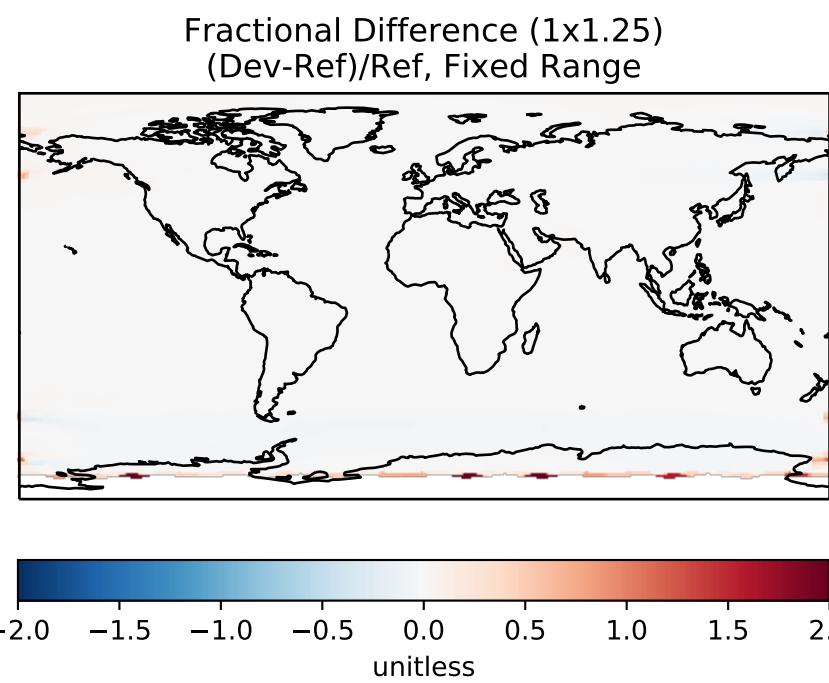
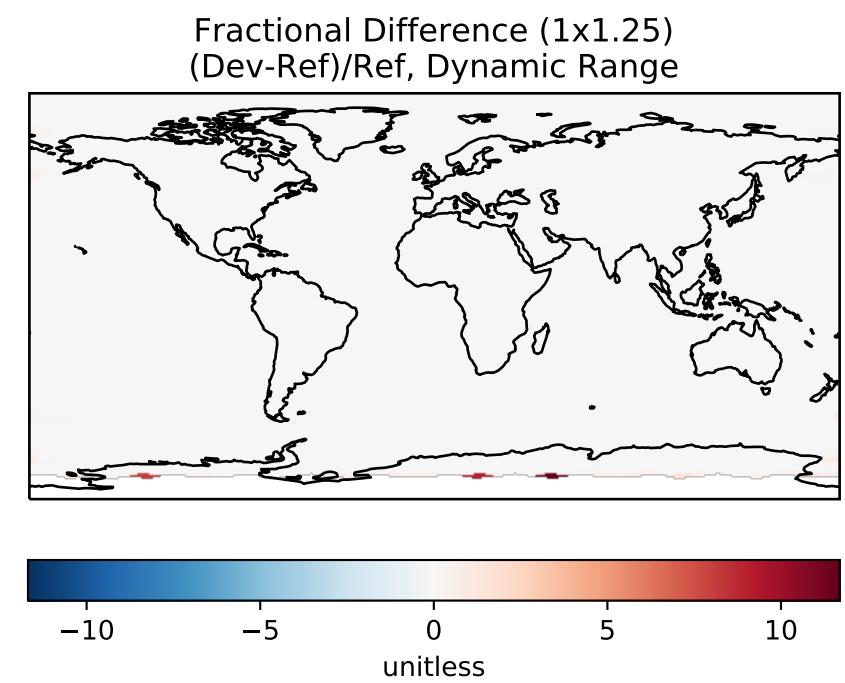
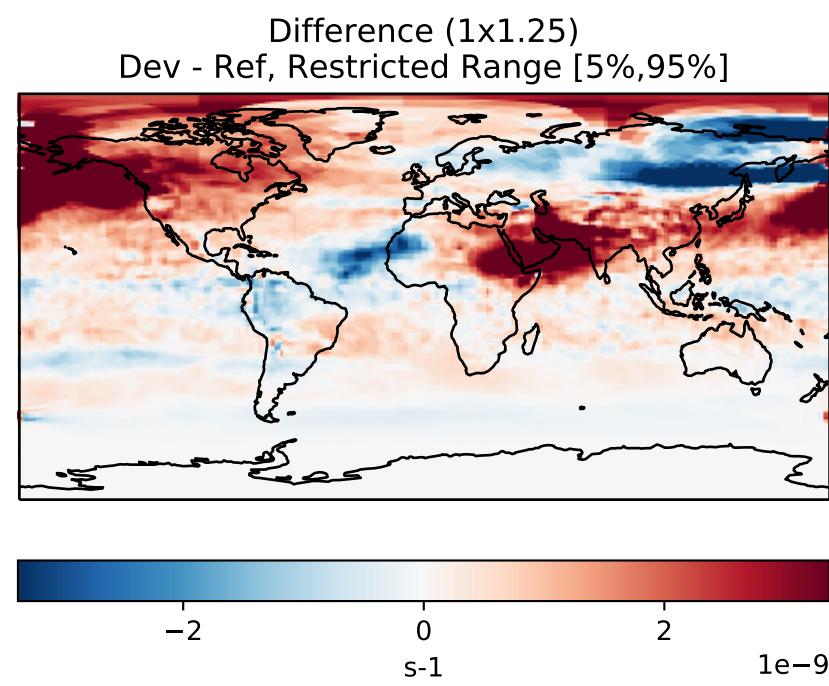
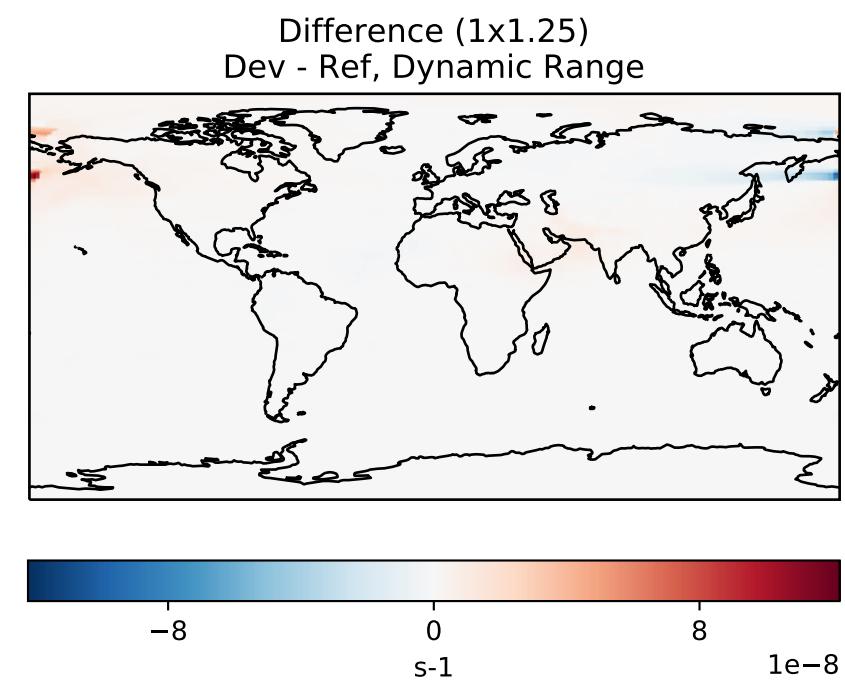
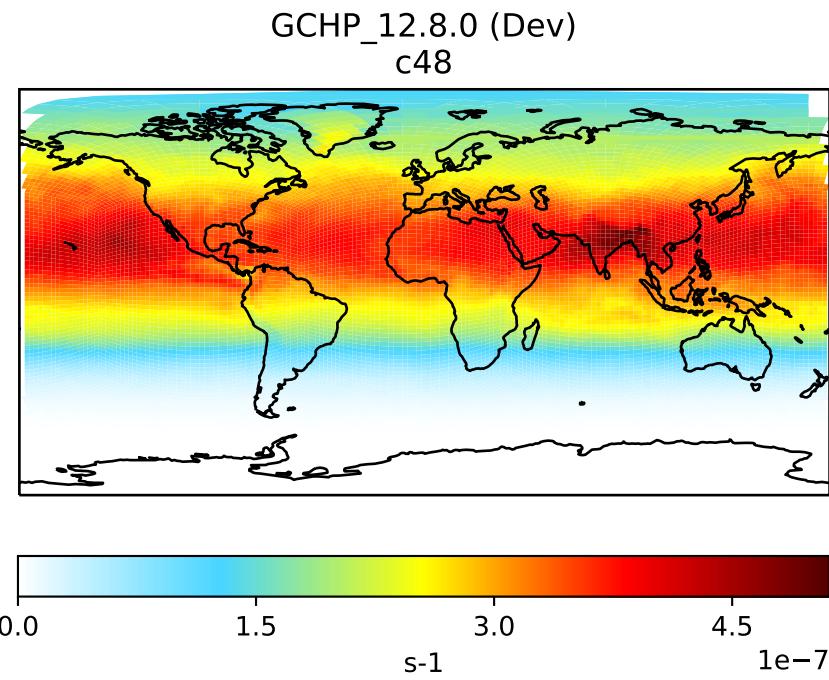
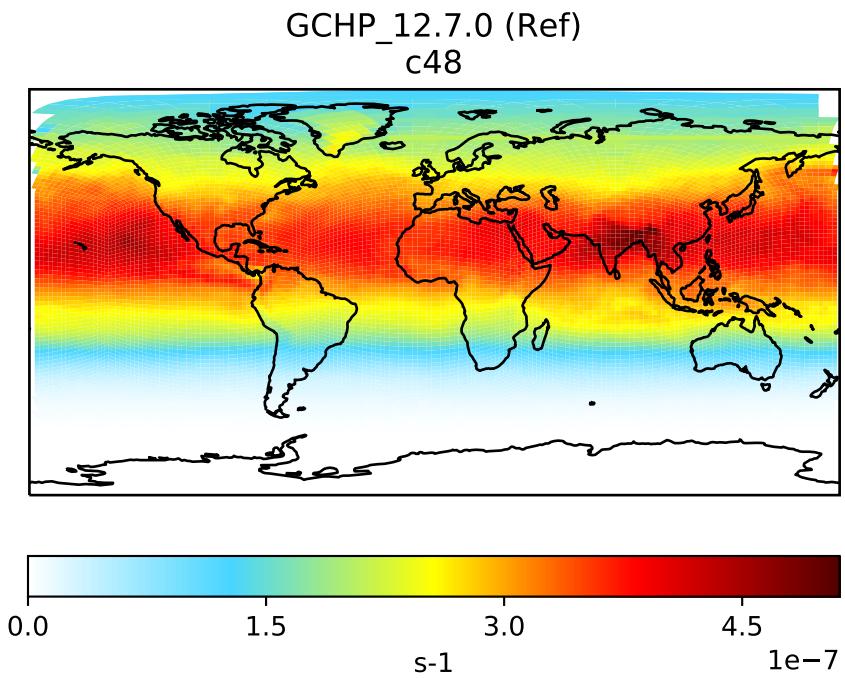
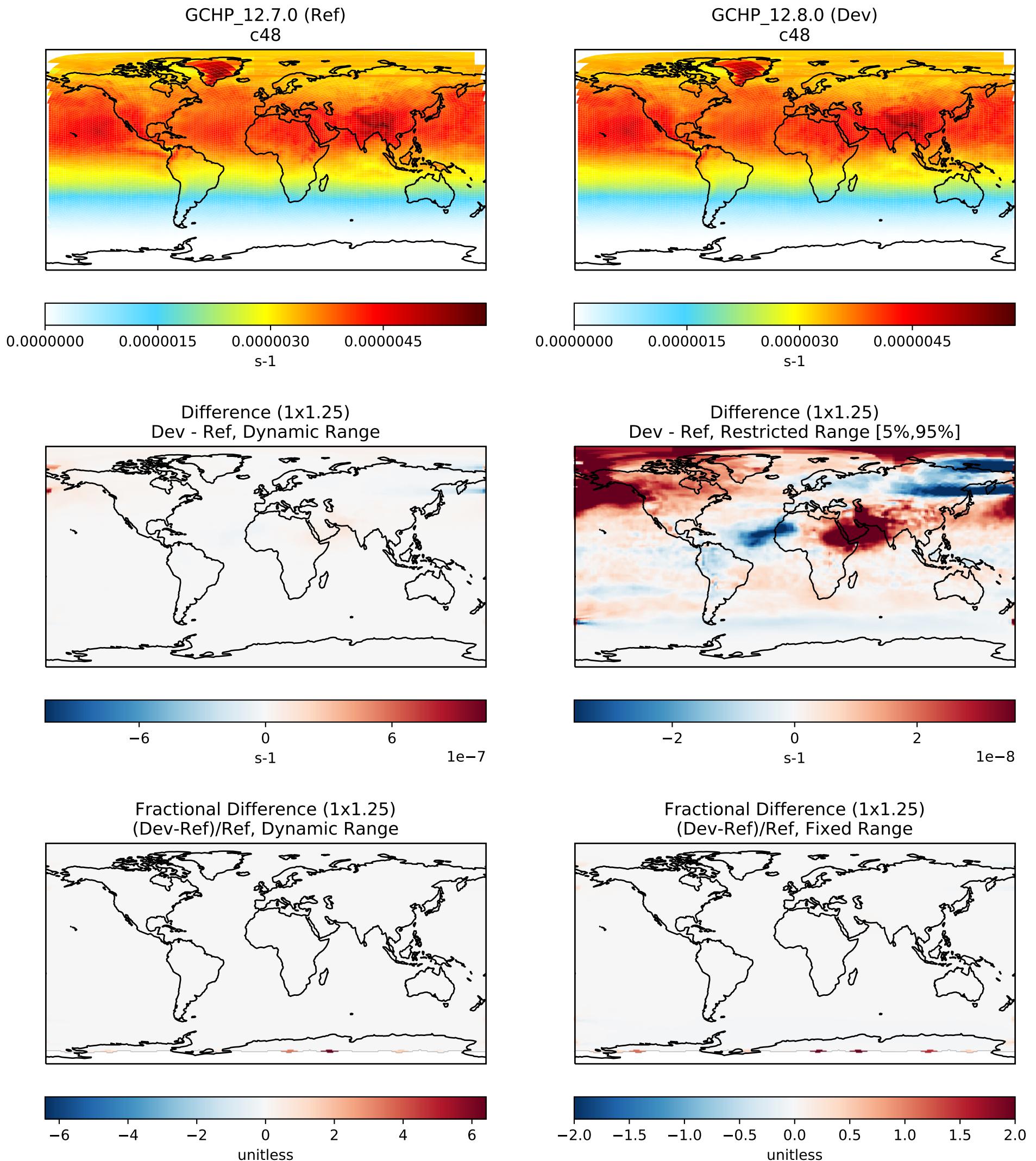


Jval_ACET

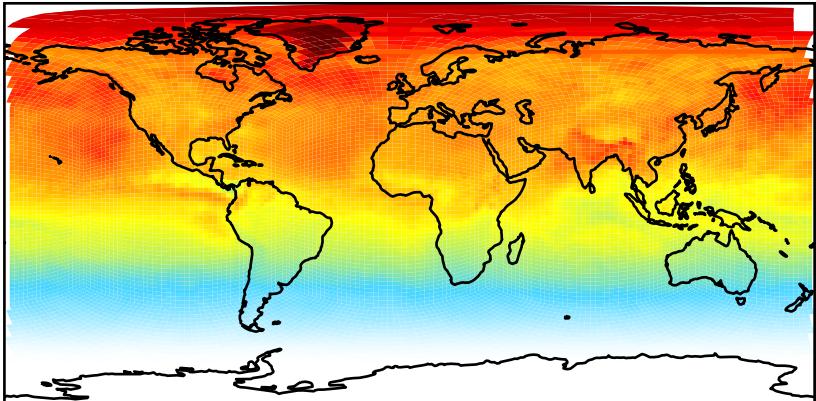


Jval_ALD2



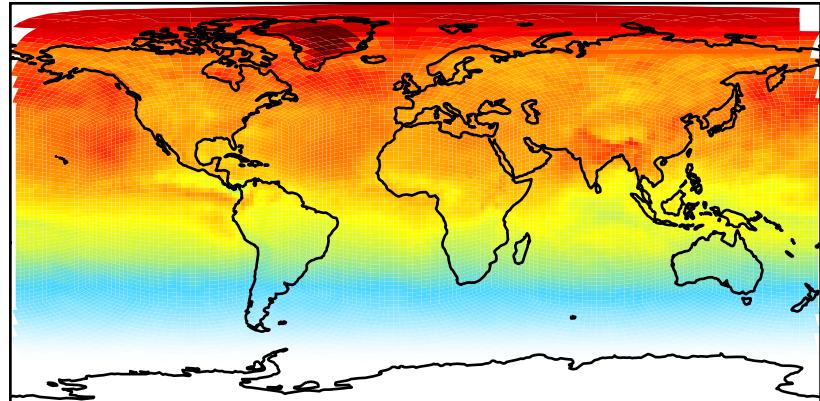
Jval_ATOOH

GCHP_12.7.0 (Ref)
c48



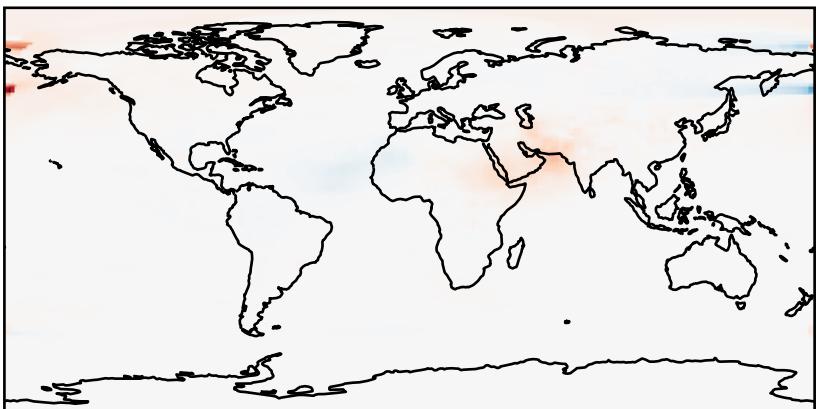
0.0000000 0.0000015 0.0000030 0.0000045
s⁻¹

GCHP_12.8.0 (Dev)
c48



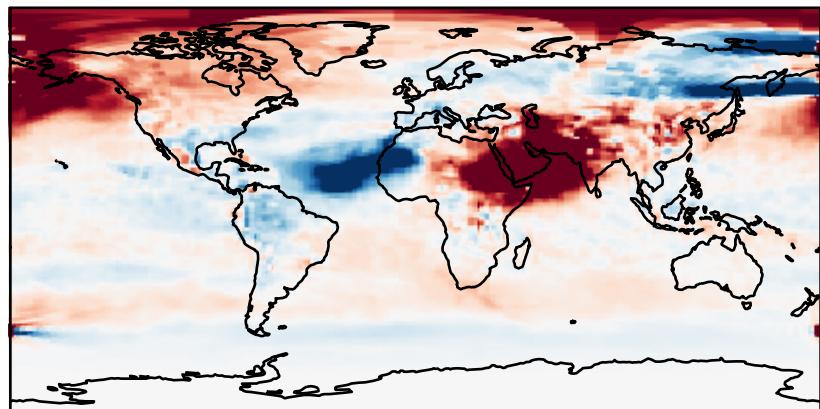
0.0000000 0.0000015 0.0000030 0.0000045
s⁻¹

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



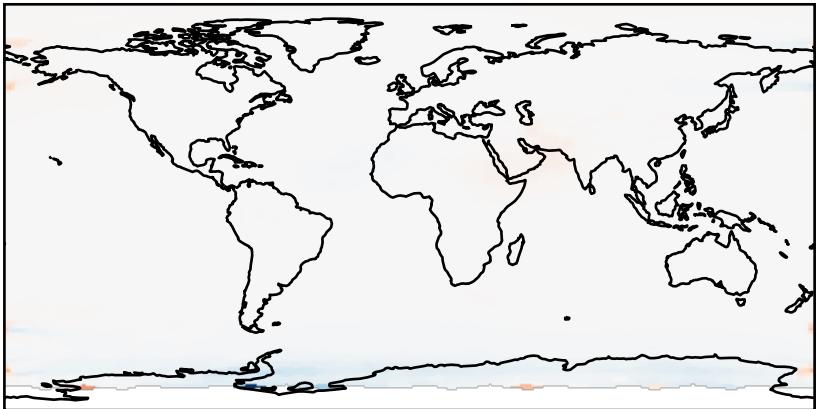
-2 0 2 1e-7
s⁻¹

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



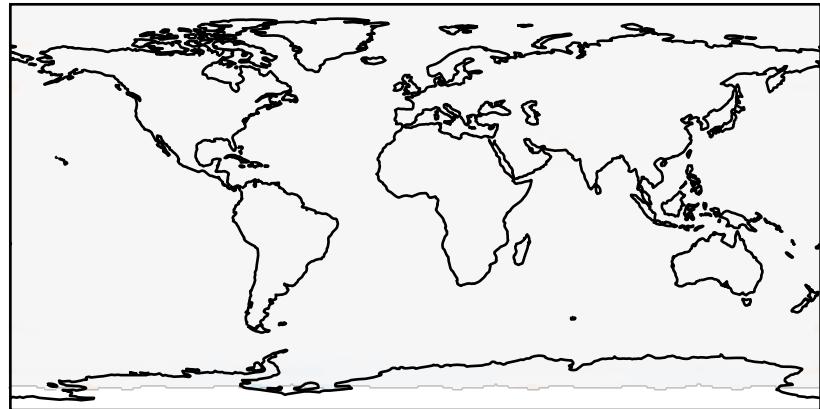
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s⁻¹

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



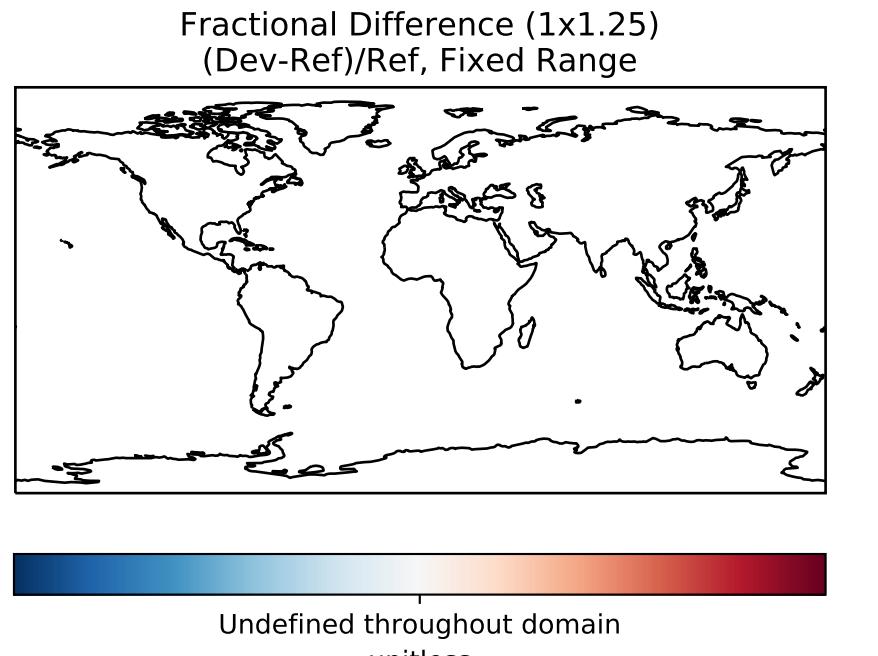
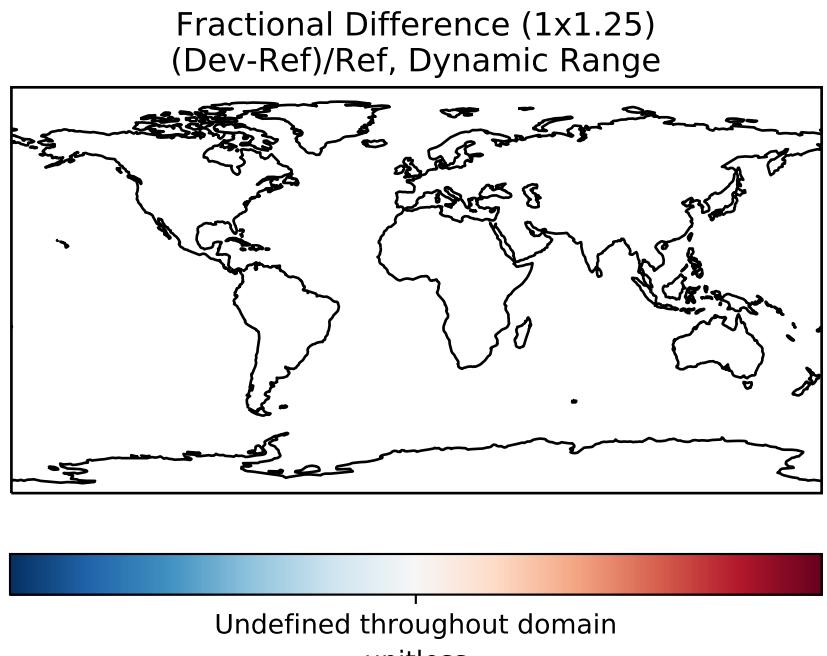
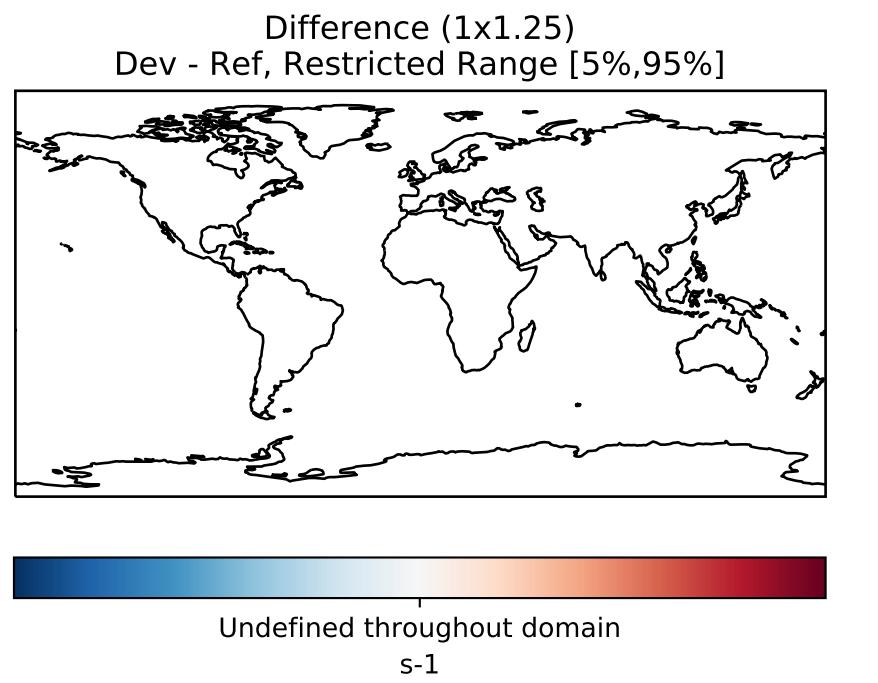
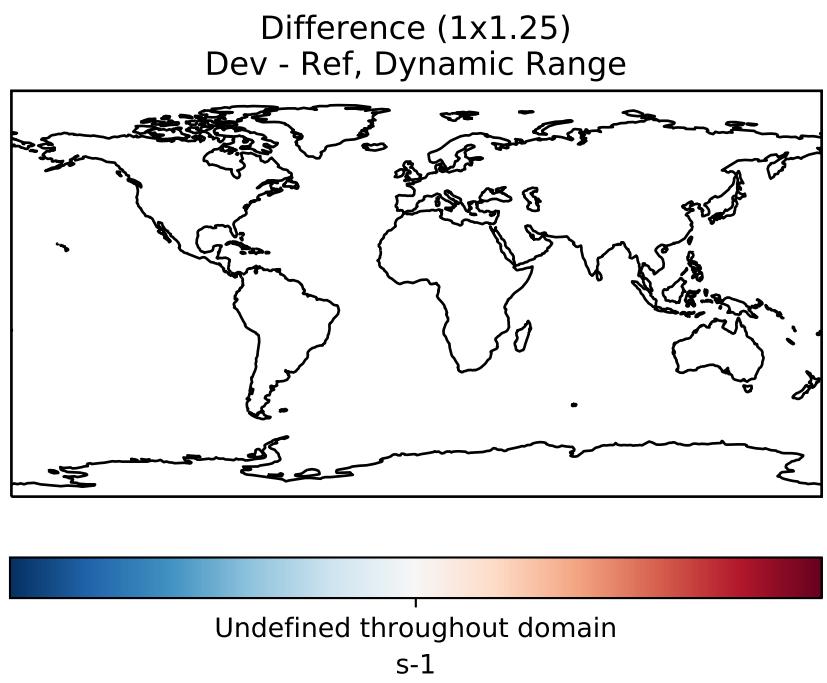
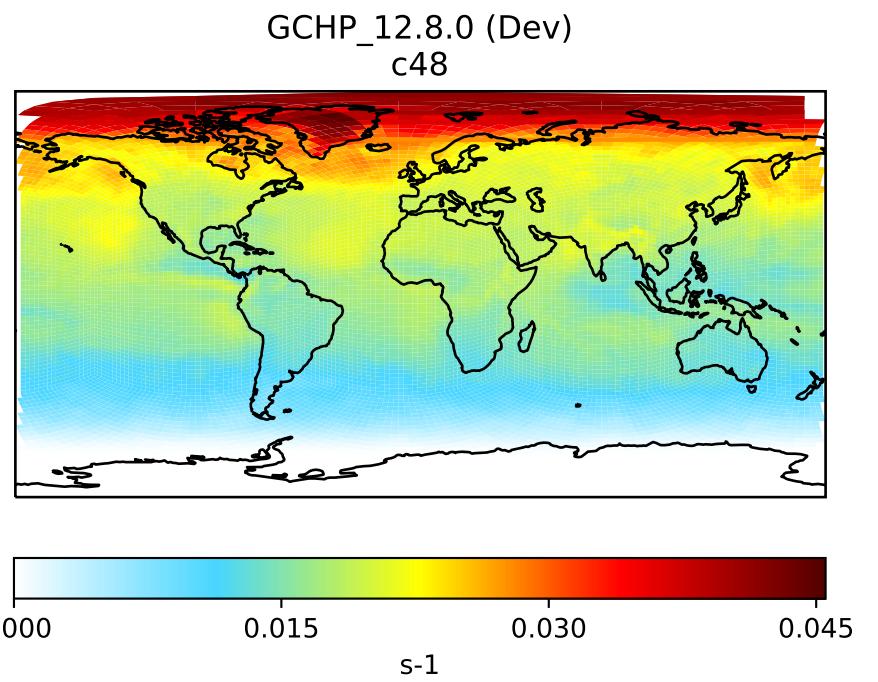
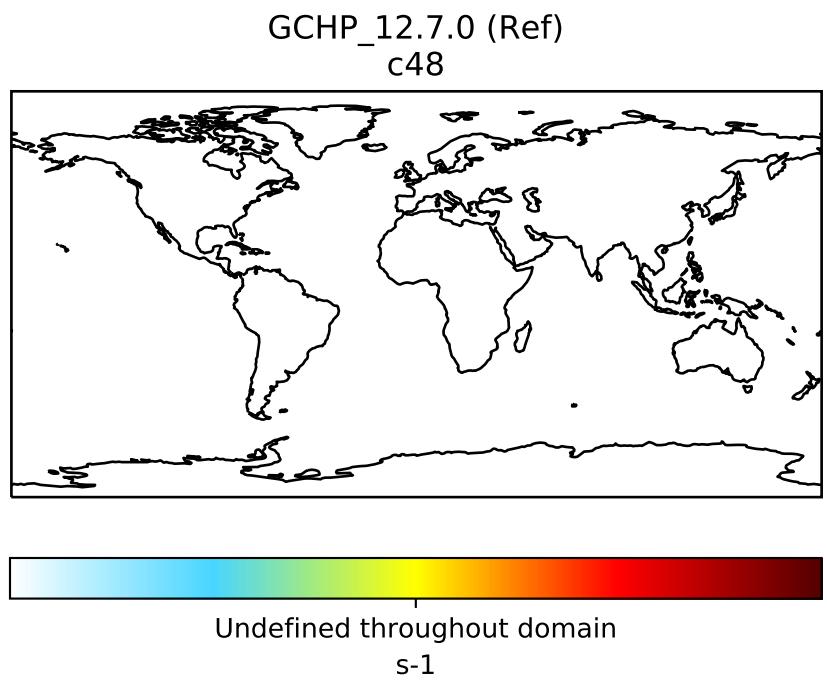
-0.3 -0.2 -0.1 0.0 0.1 0.2 0.3
unitless

Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



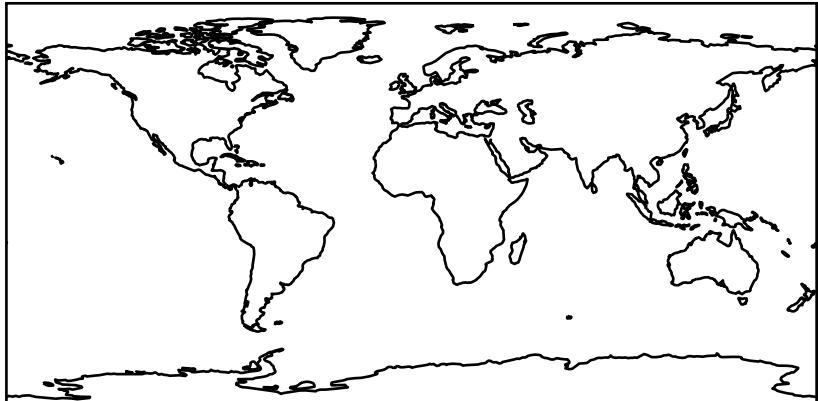
-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0
unitless

Jval_BR2

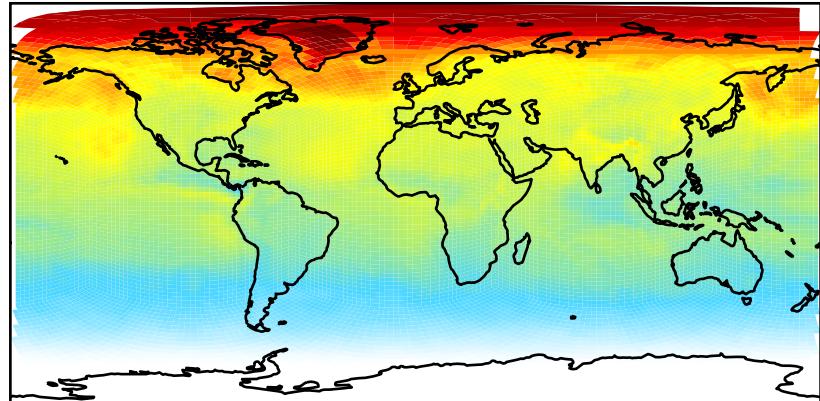


Jval_BRCL

GCHP_12.7.0 (Ref)
c48



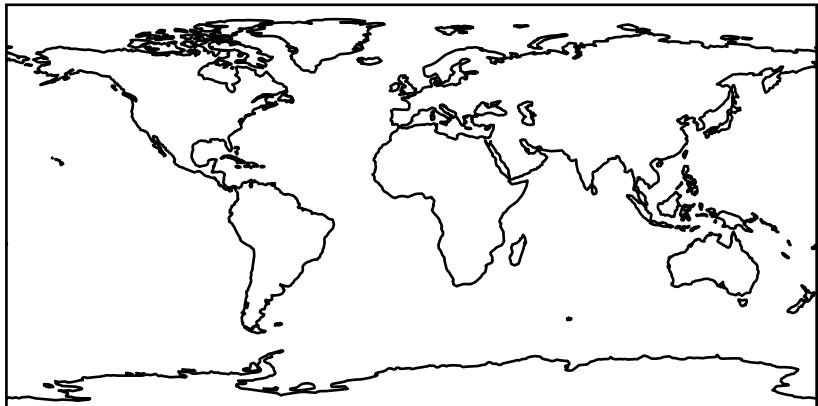
GCHP_12.8.0 (Dev)
c48



Undefined throughout domain
s-1

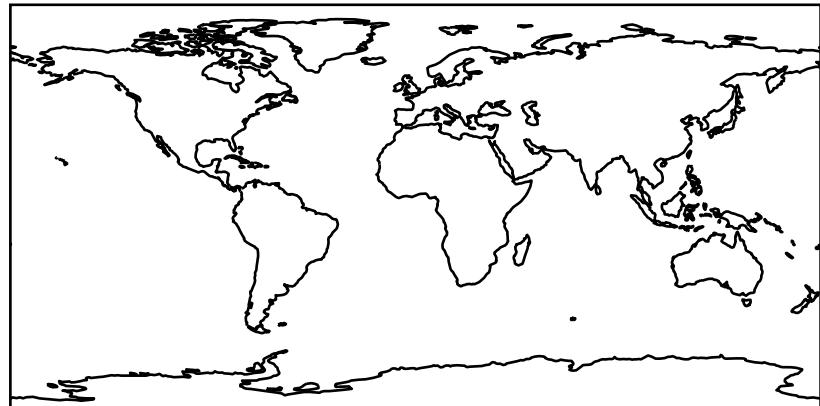
0.000 0.004 0.008 0.012
s-1

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



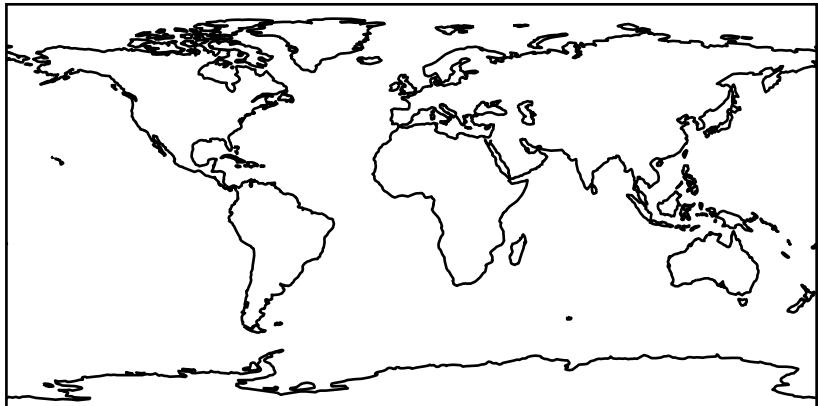
Undefined throughout domain
s-1

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



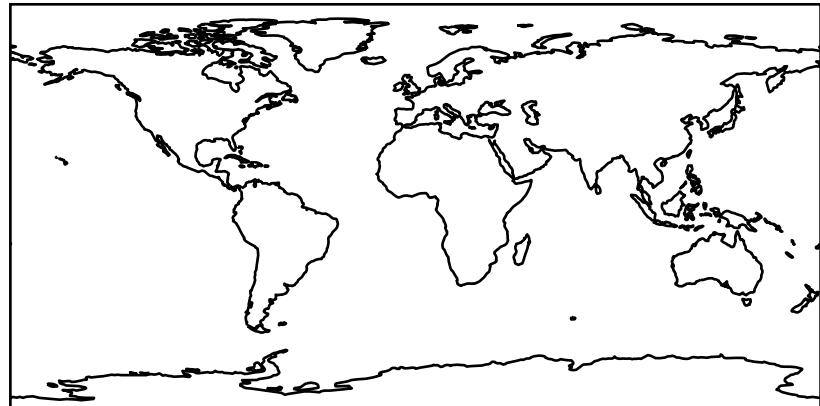
Undefined throughout domain
s-1

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



Undefined throughout domain
unitless

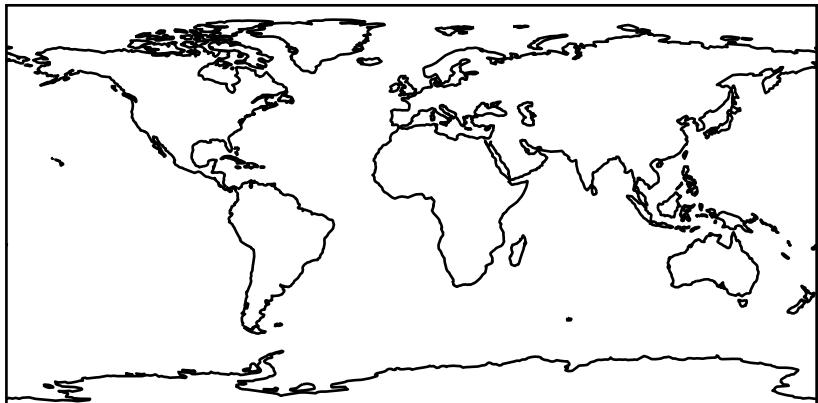
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



Undefined throughout domain
unitless

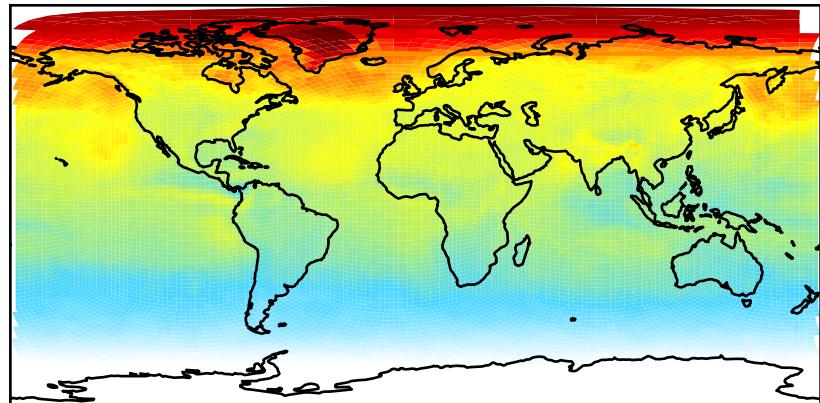
Jval_BRNO2

GCHP_12.7.0 (Ref)
c48



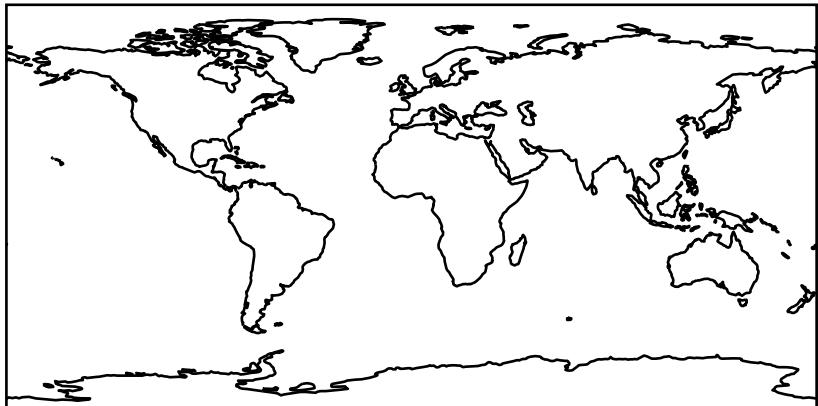
Undefined throughout domain
s-1

GCHP_12.8.0 (Dev)
c48



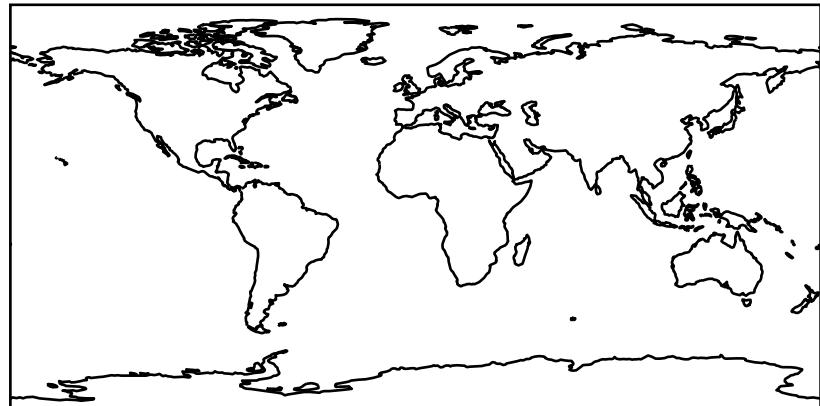
0.0000 0.0025 0.0050 0.0075
s-1

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



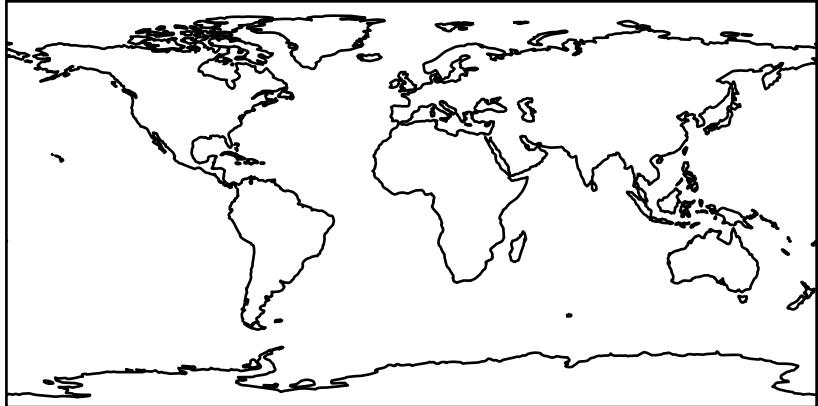
Undefined throughout domain
s-1

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



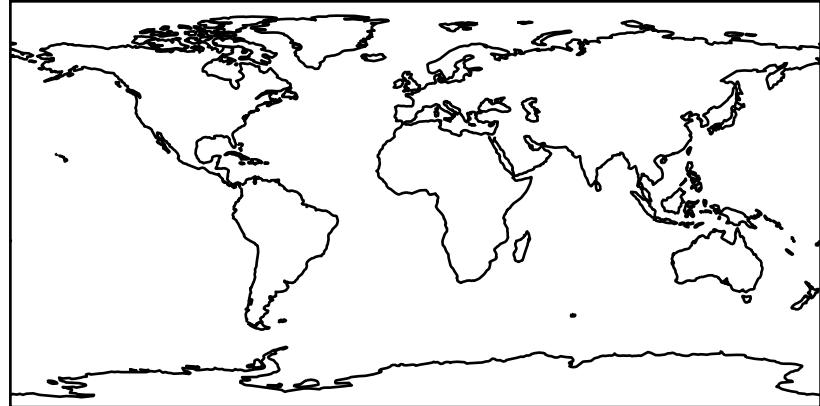
Undefined throughout domain
s-1

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



Undefined throughout domain
unitless

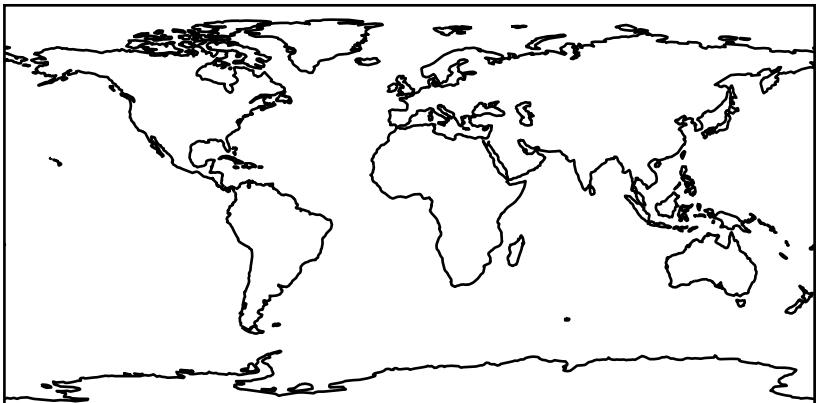
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



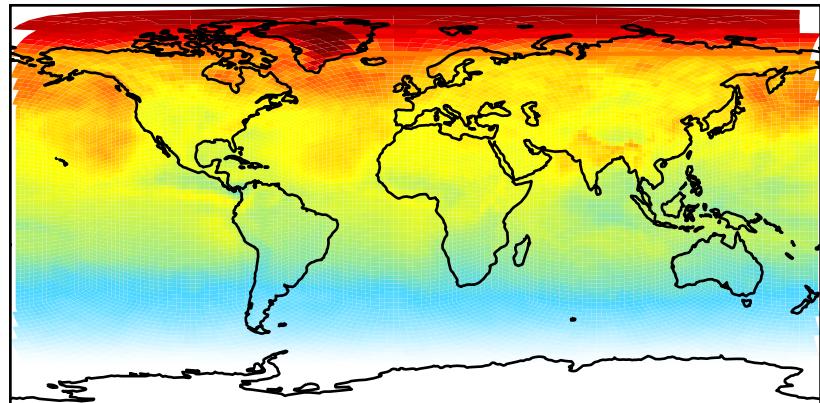
Undefined throughout domain
unitless

Jval_BRNO3

GCHP_12.7.0 (Ref)
c48



GCHP_12.8.0 (Dev)
c48



Undefined throughout domain
s⁻¹

0.0000 0.0005 0.0010 0.0015
s⁻¹

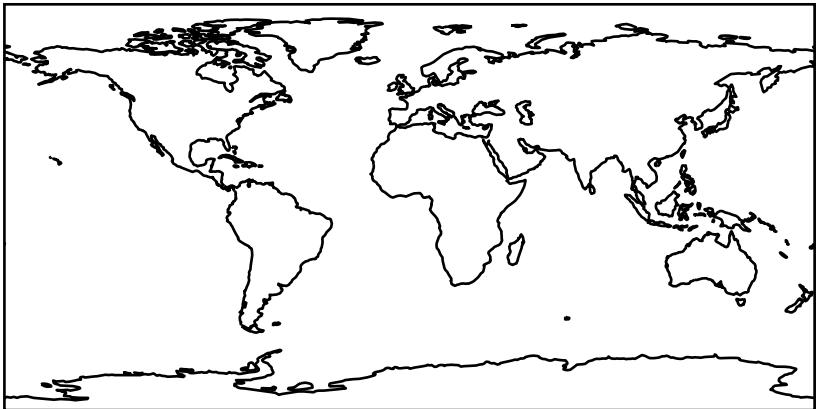
Difference (1x1.25)
Dev - Ref, Dynamic Range



Undefined throughout domain
s⁻¹

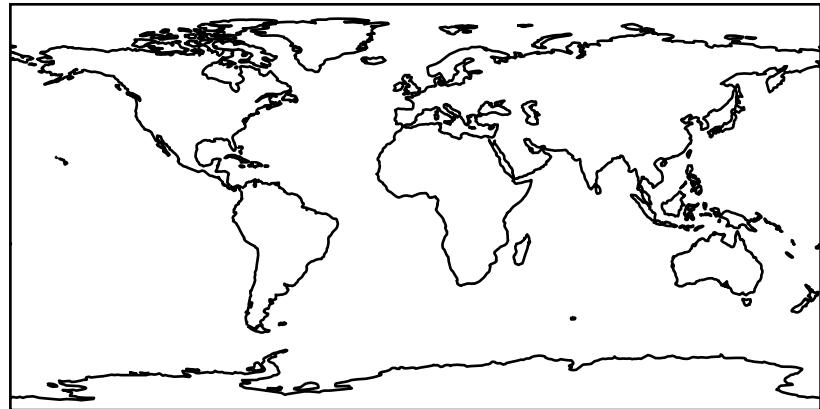
Undefined throughout domain
s⁻¹

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



Undefined throughout domain
unitless

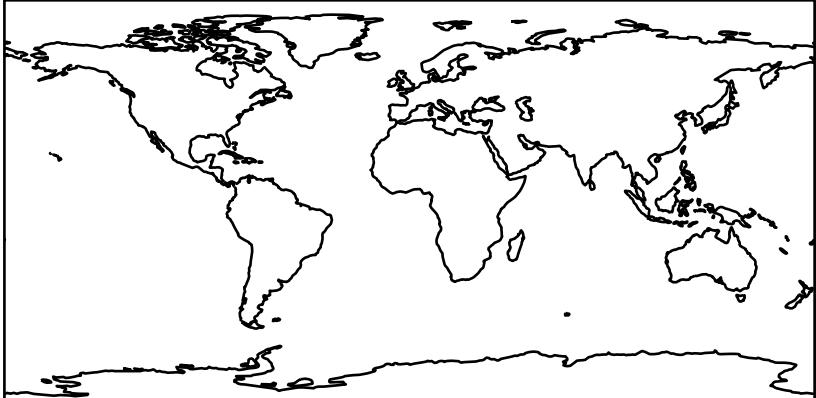
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



Undefined throughout domain
unitless

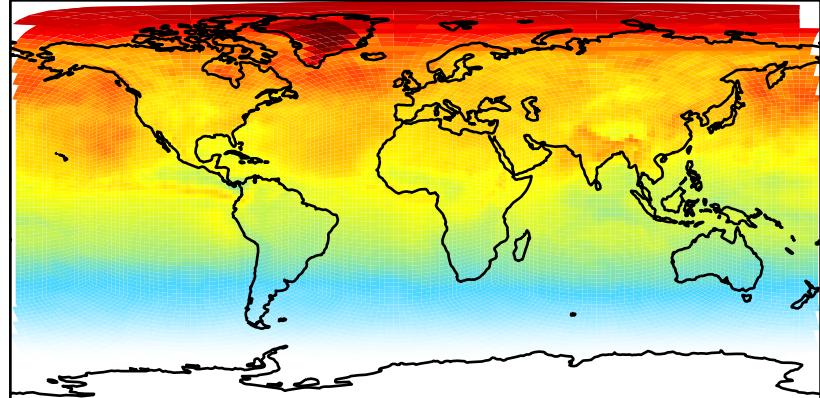
Jval_BRO

GCHP_12.7.0 (Ref)
c48



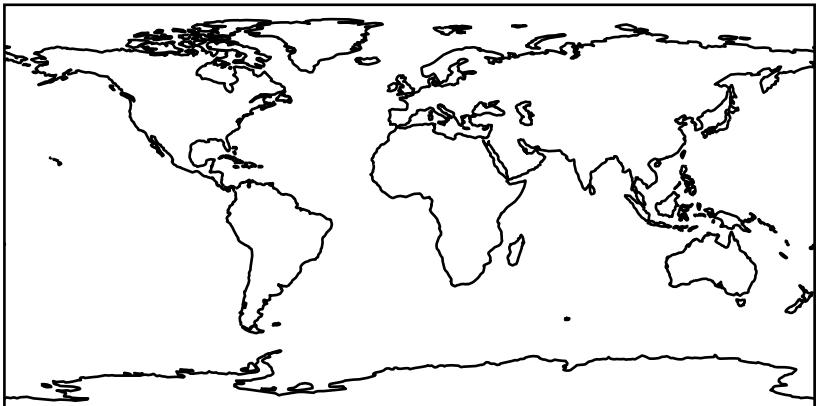
Undefined throughout domain
s-1

GCHP_12.8.0 (Dev)
c48



0.000 0.015 0.030
s-1

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



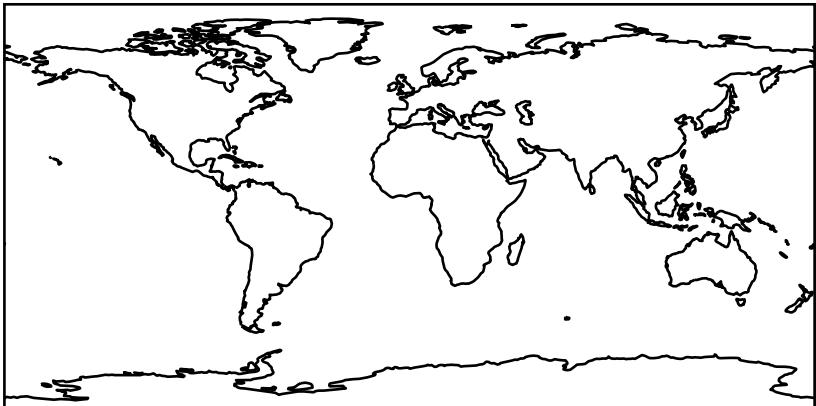
Undefined throughout domain
s-1

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



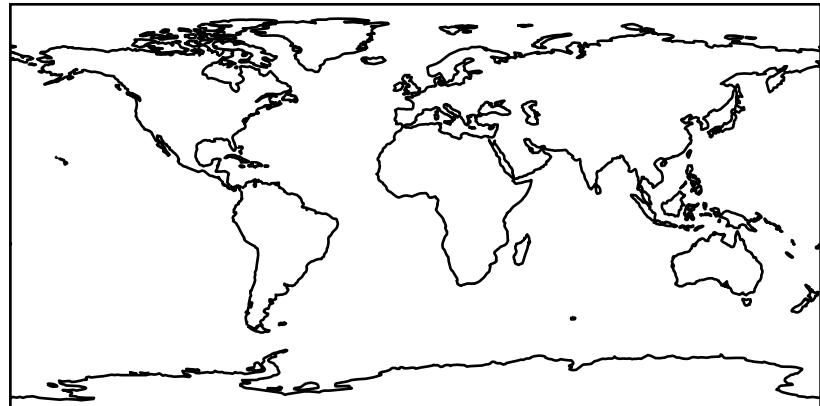
Undefined throughout domain
s-1

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



Undefined throughout domain
unitless

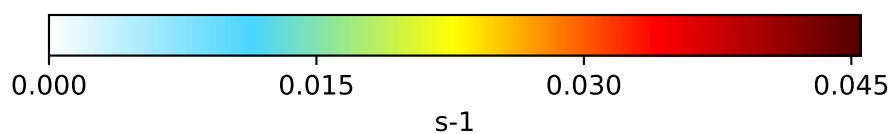
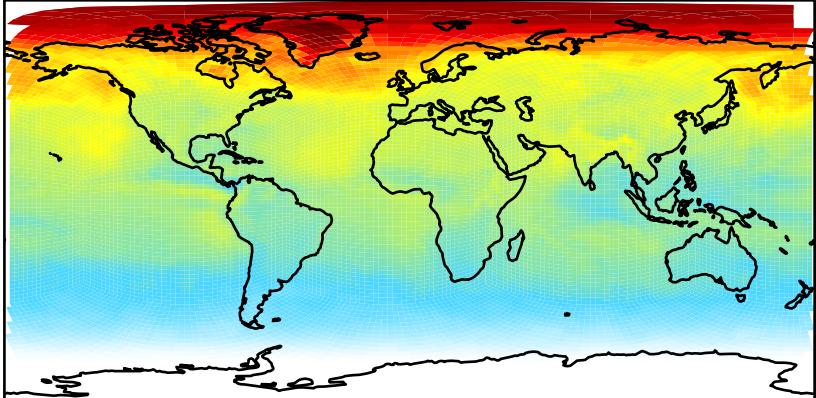
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



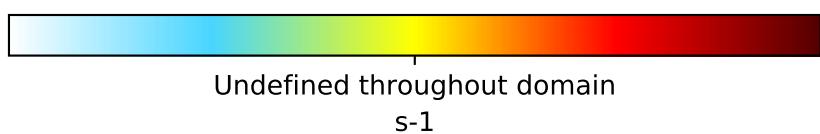
Undefined throughout domain
unitless

Jval_Br2

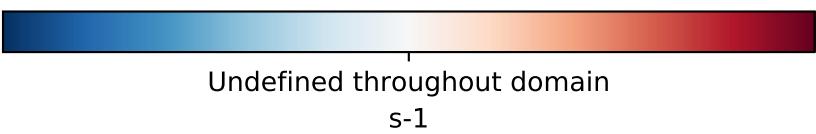
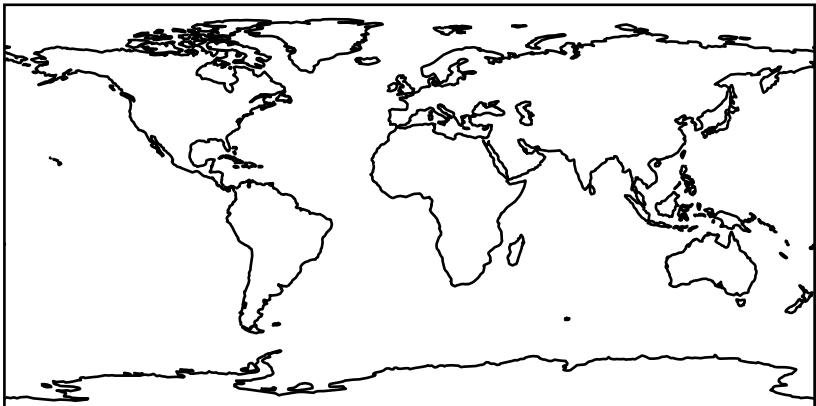
GCHP_12.7.0 (Ref)
c48



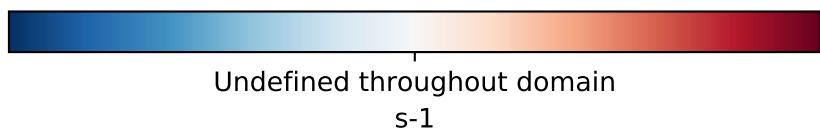
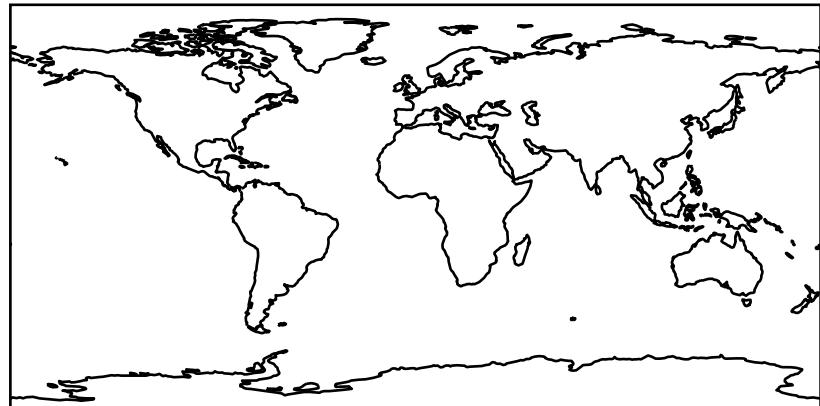
GCHP_12.8.0 (Dev)
c48



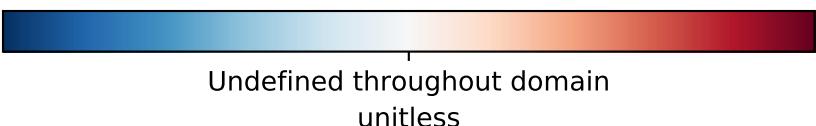
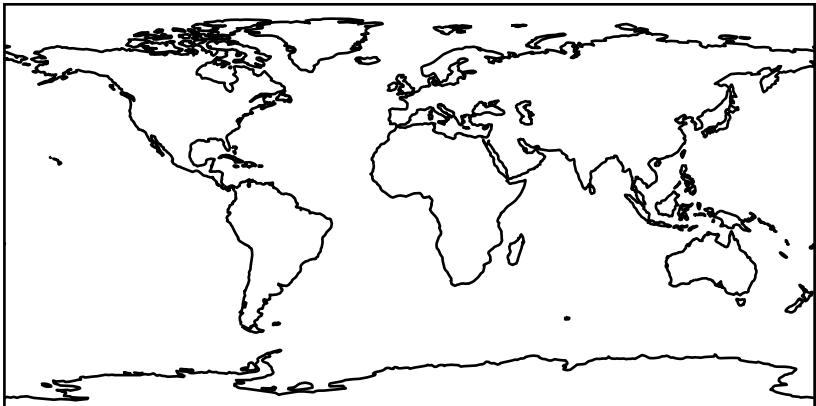
Difference (1x1.25)
Dev - Ref, Dynamic Range



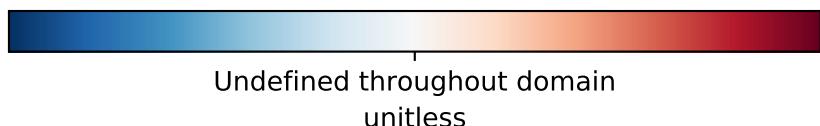
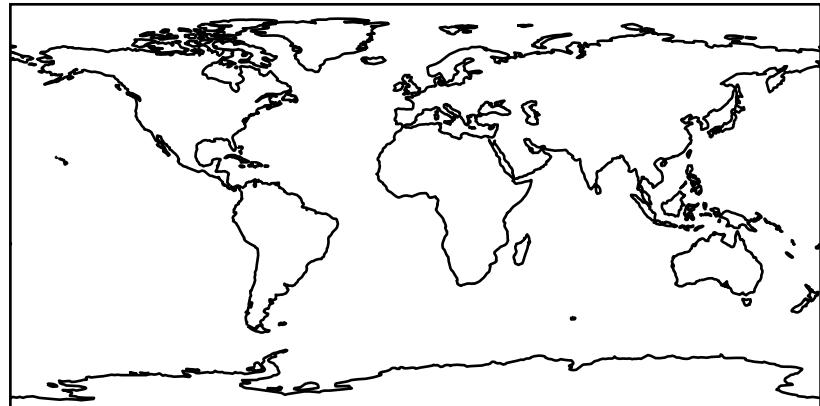
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

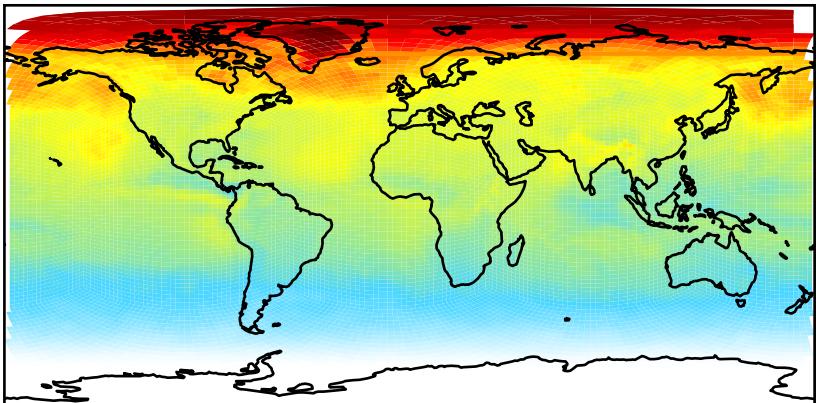


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

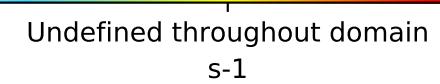
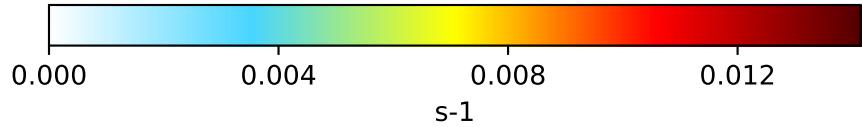
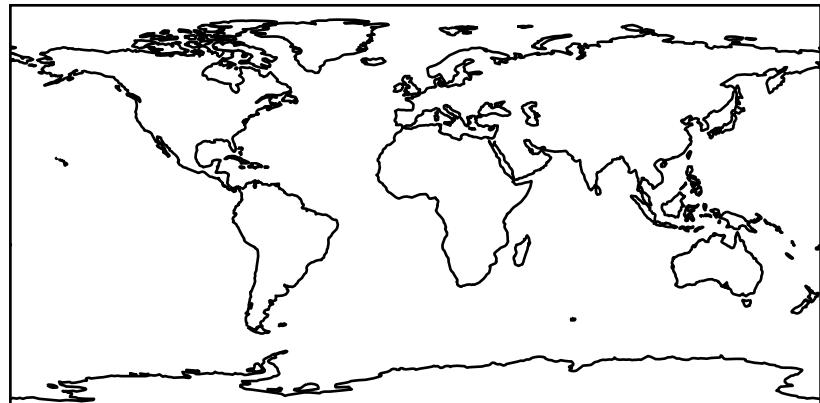


Jval_BrCl

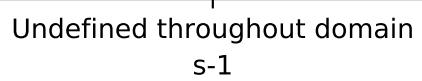
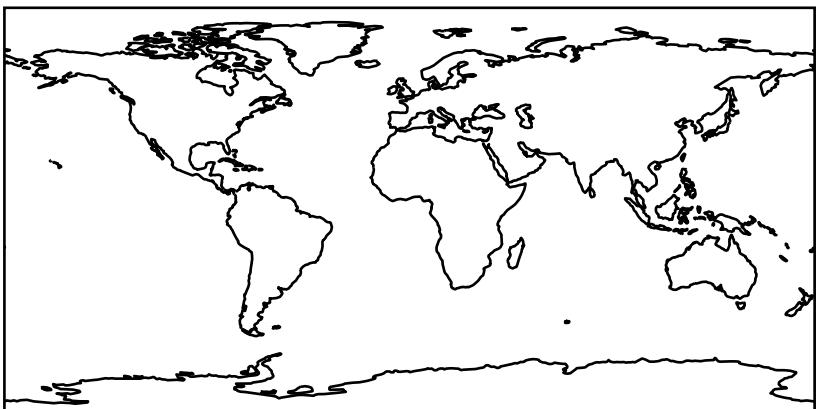
GCHP_12.7.0 (Ref)
c48



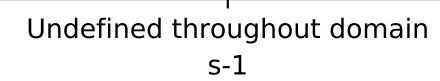
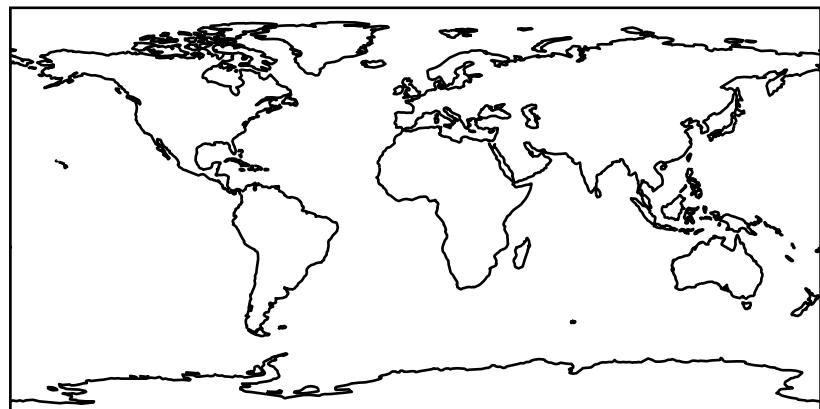
GCHP_12.8.0 (Dev)
c48



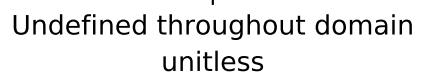
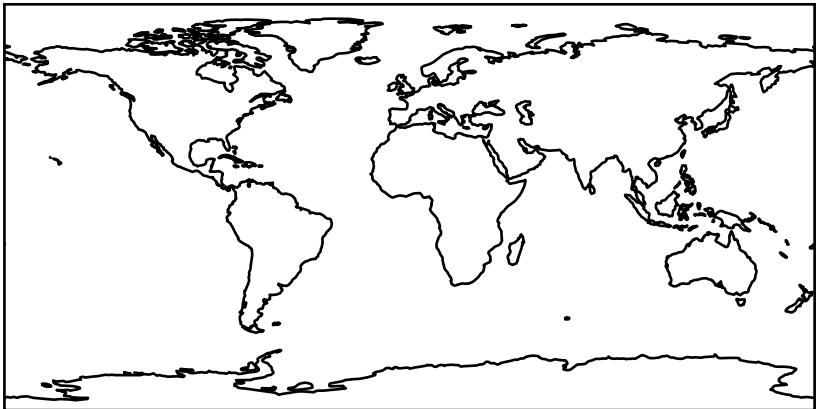
Difference (1x1.25)
Dev - Ref, Dynamic Range



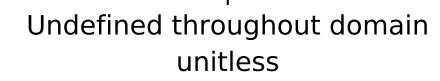
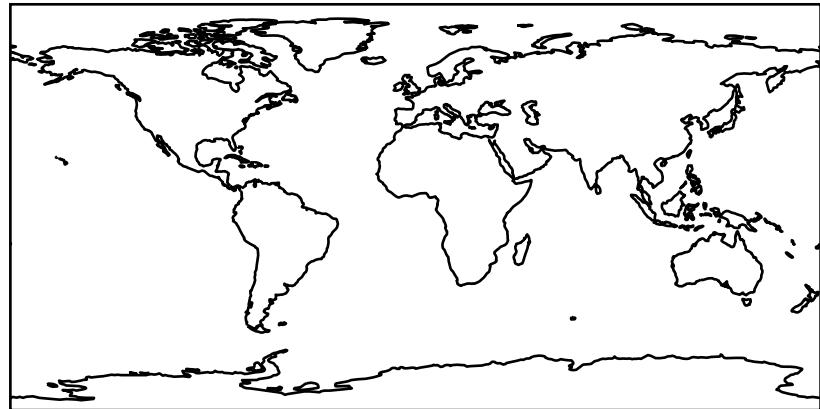
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

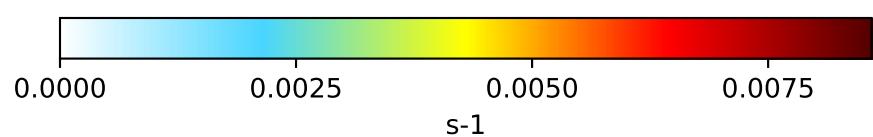
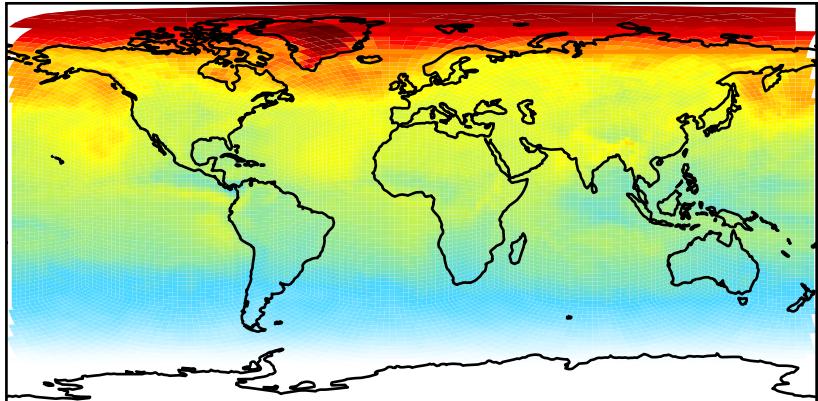


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

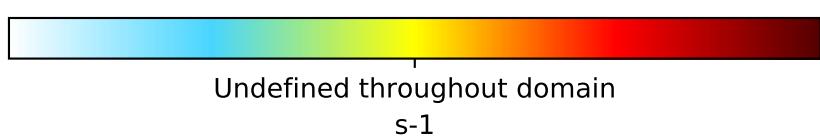
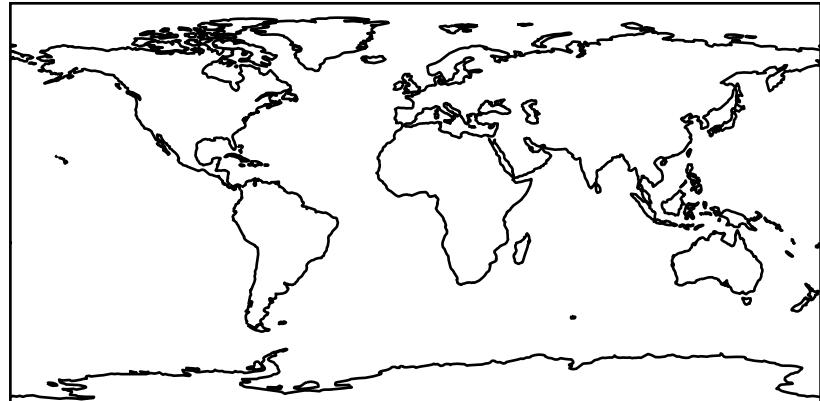


Jval_BrNO2

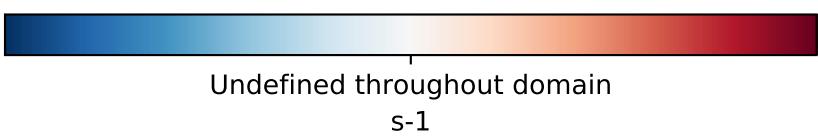
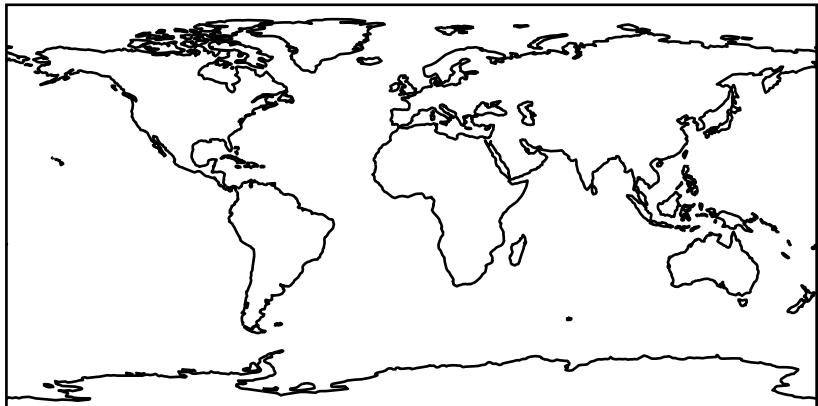
GCHP_12.7.0 (Ref)
c48



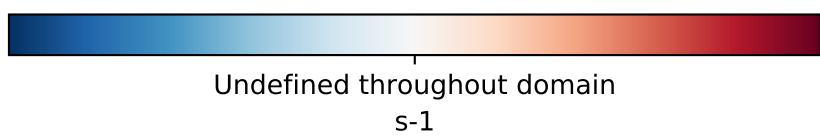
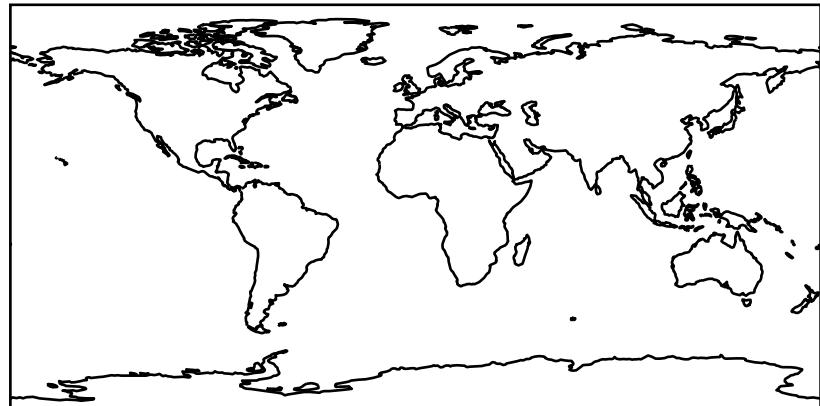
GCHP_12.8.0 (Dev)
c48



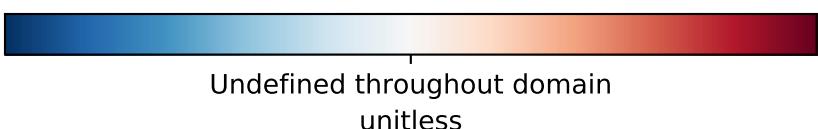
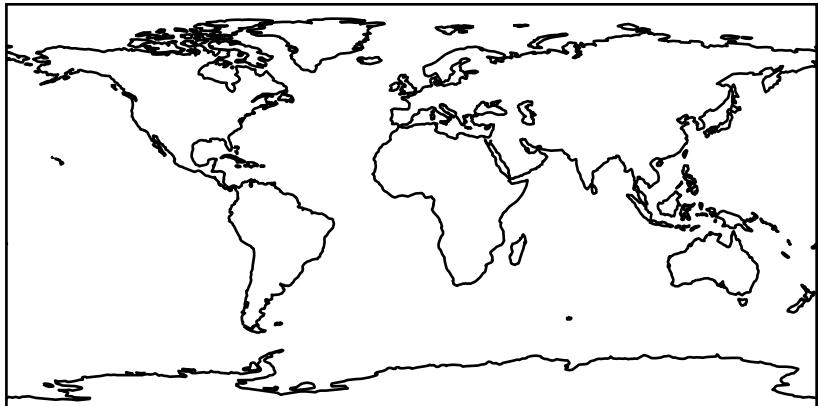
Difference (1x1.25)
Dev - Ref, Dynamic Range



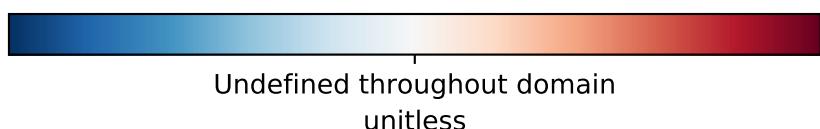
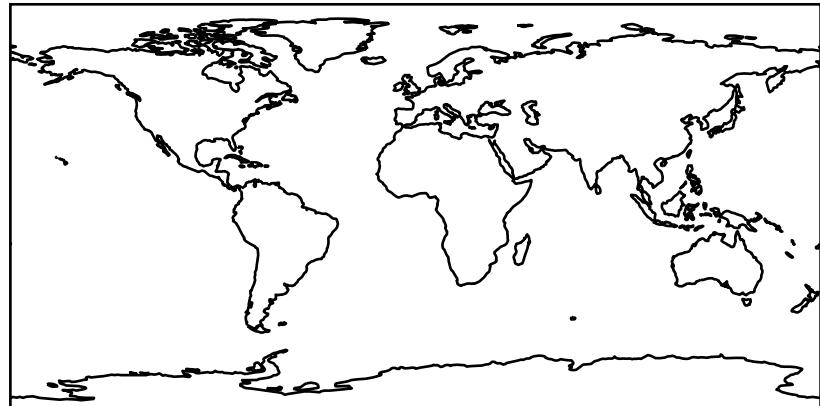
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

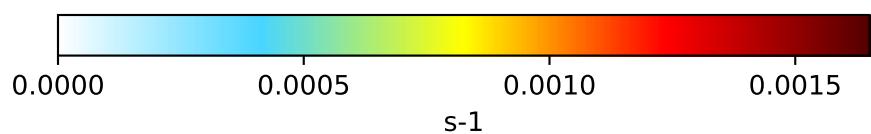
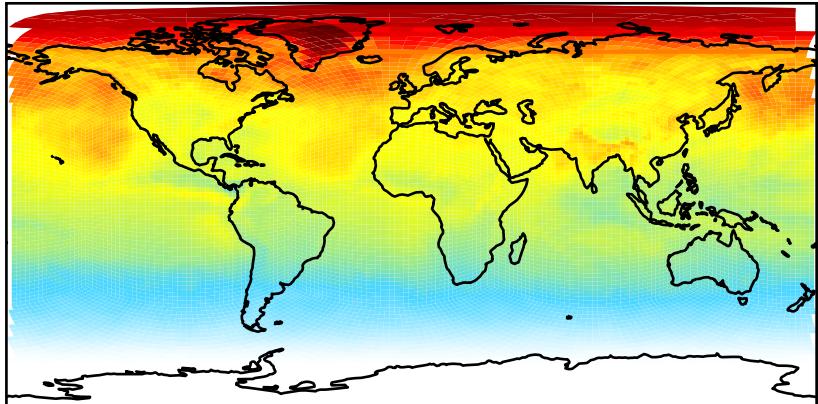


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

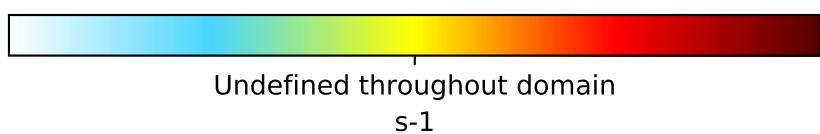
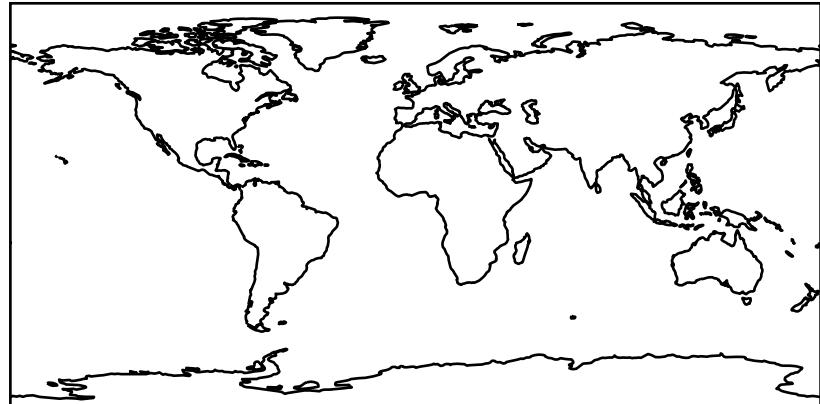


Jval_BrNO3

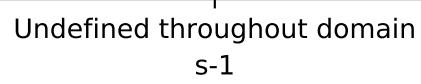
GCHP_12.7.0 (Ref)
c48



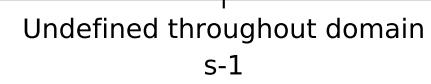
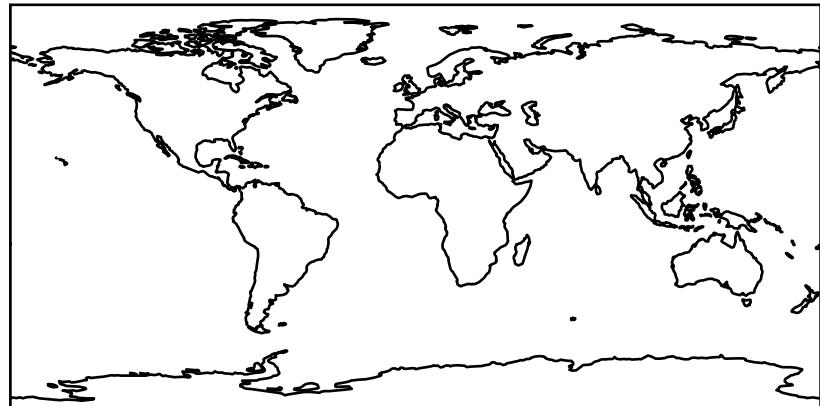
GCHP_12.8.0 (Dev)
c48



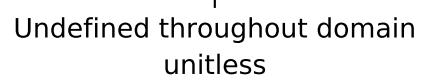
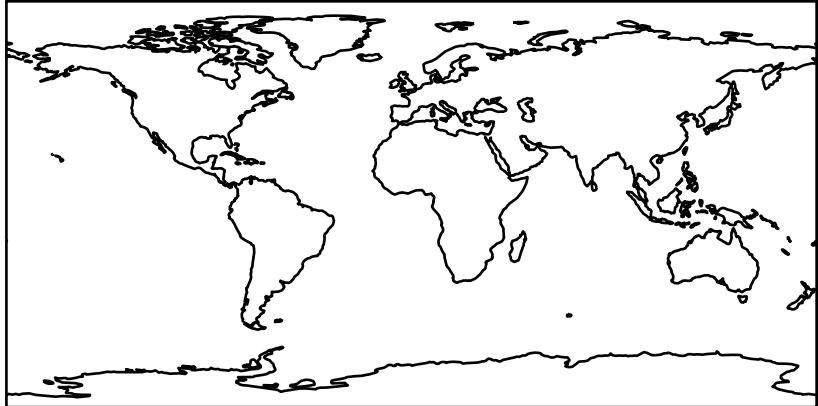
Difference (1x1.25)
Dev - Ref, Dynamic Range



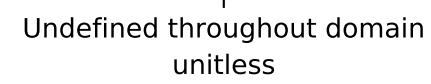
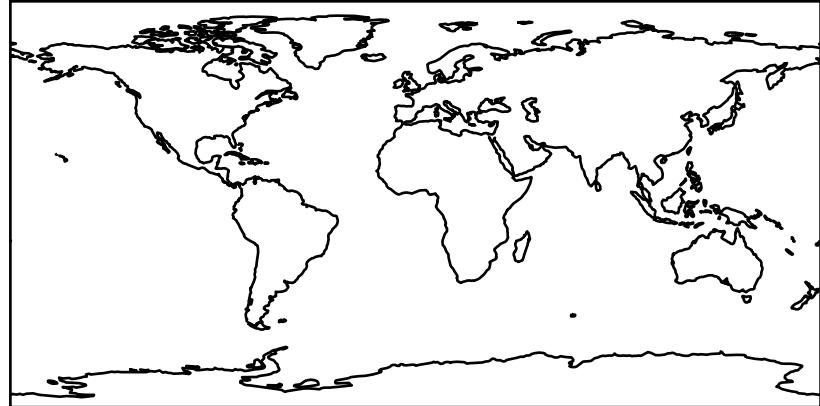
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

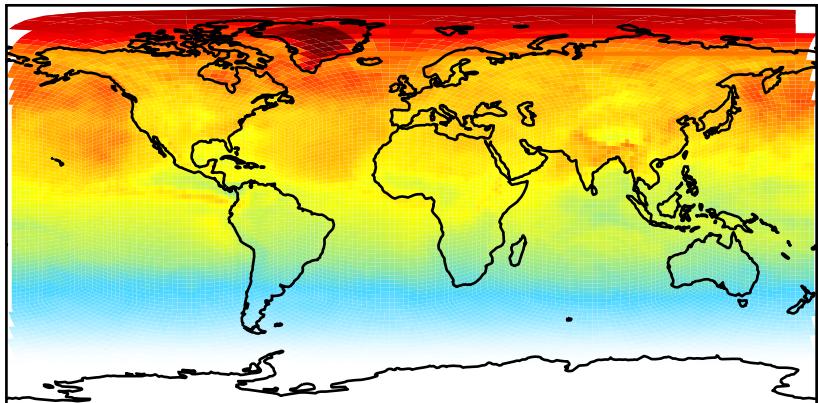


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

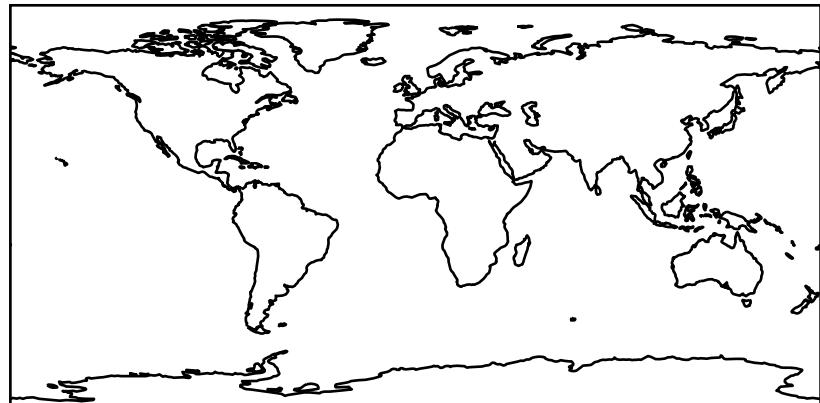


Jval_BrO

GCHP_12.7.0 (Ref)
c48



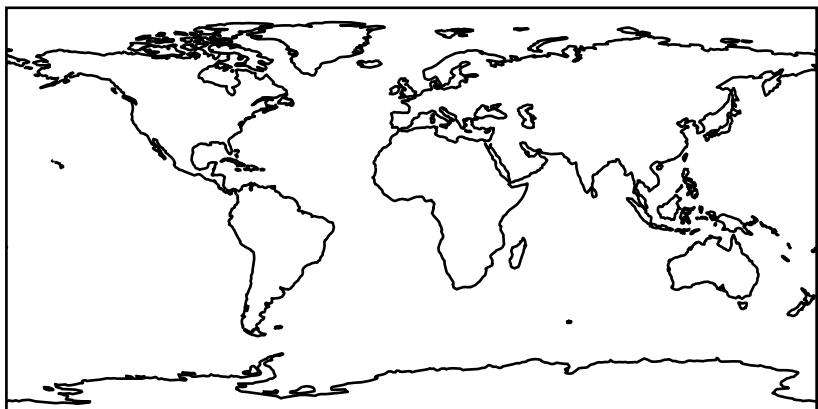
GCHP_12.8.0 (Dev)
c48



0.000 0.015 0.030
 s^{-1}

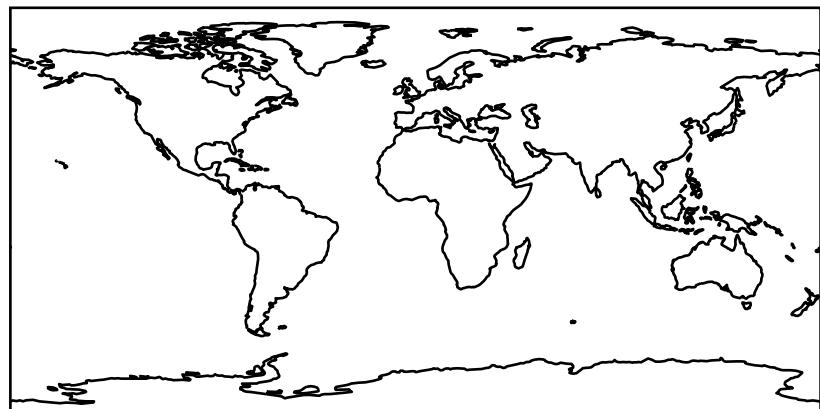
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Difference (1x1.25)
Dev - Ref, Dynamic Range



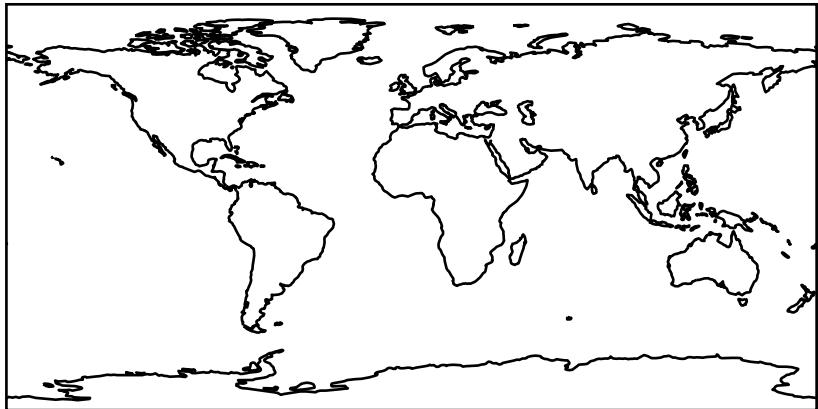
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Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



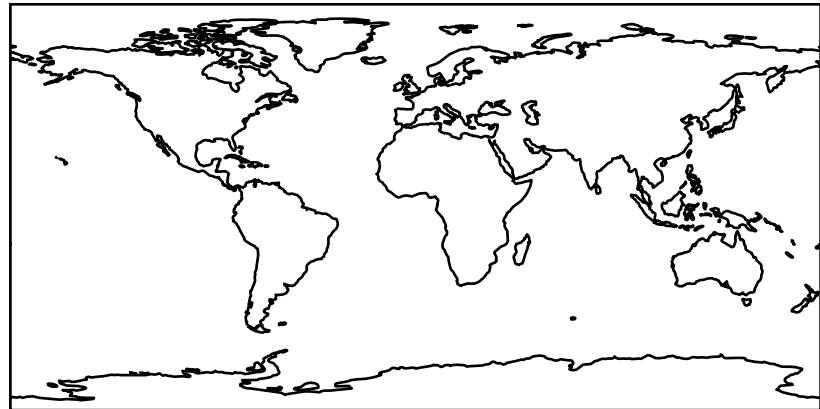
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



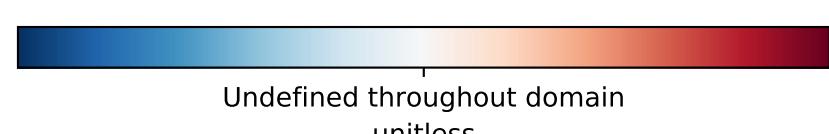
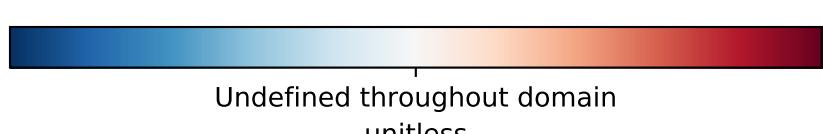
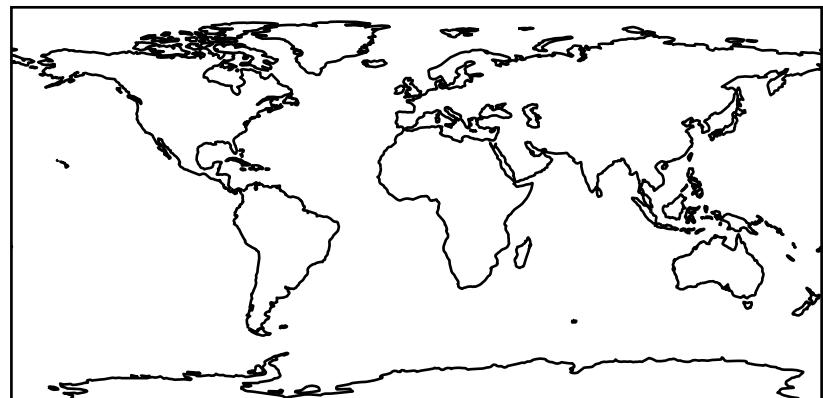
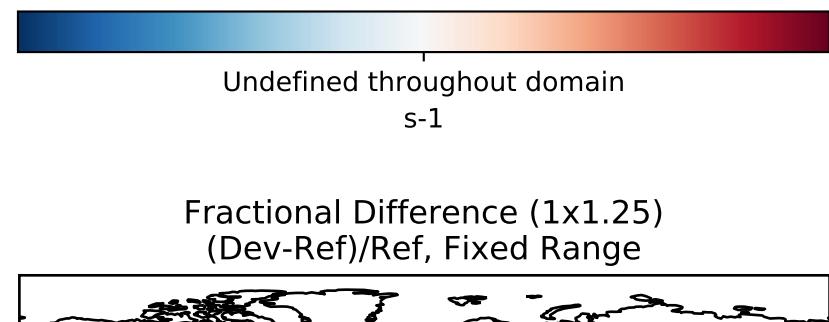
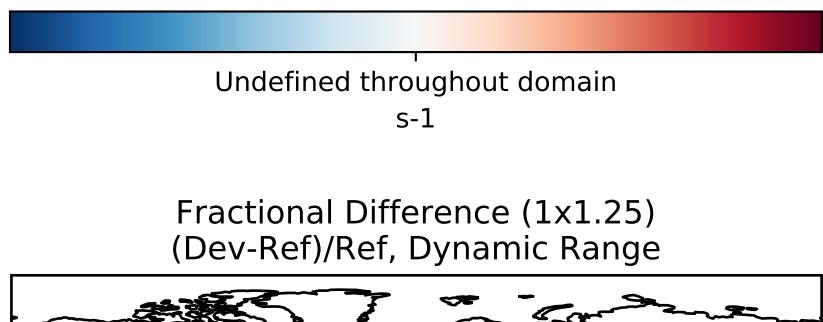
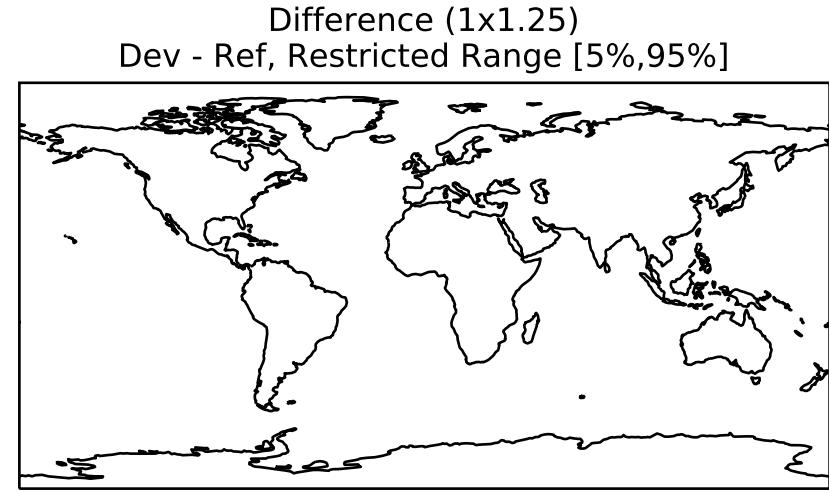
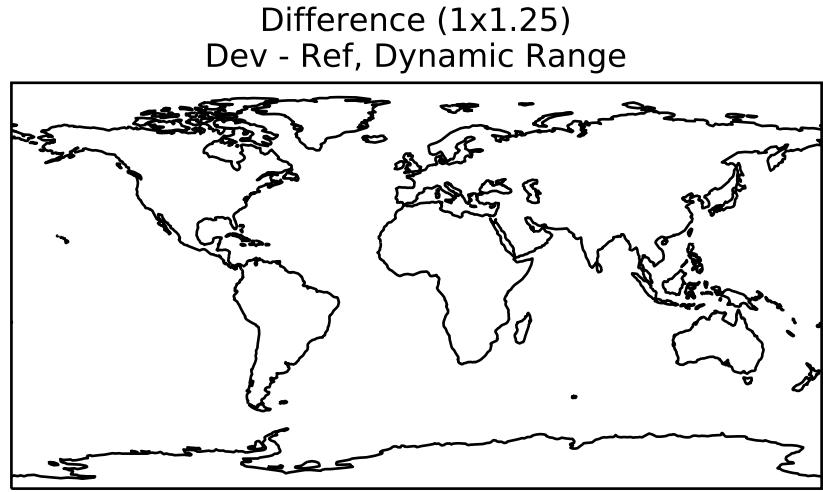
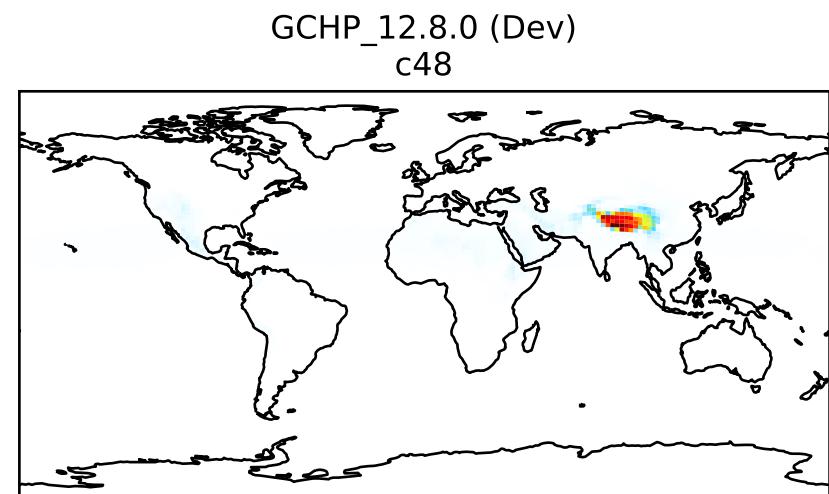
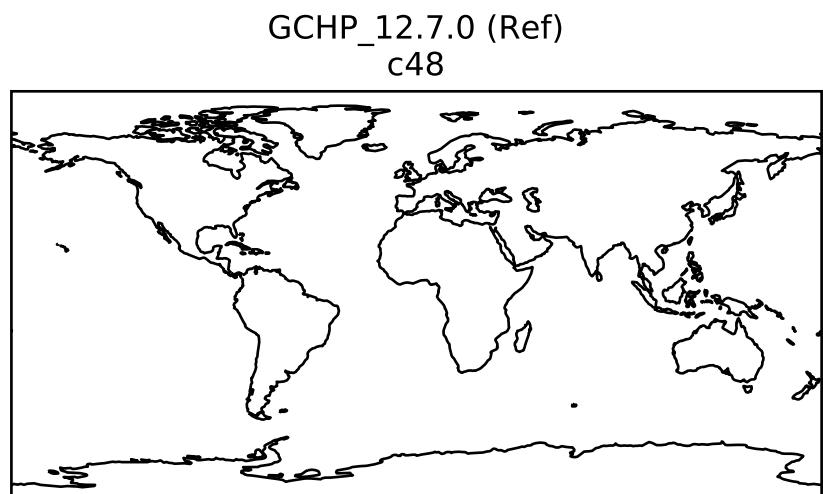
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

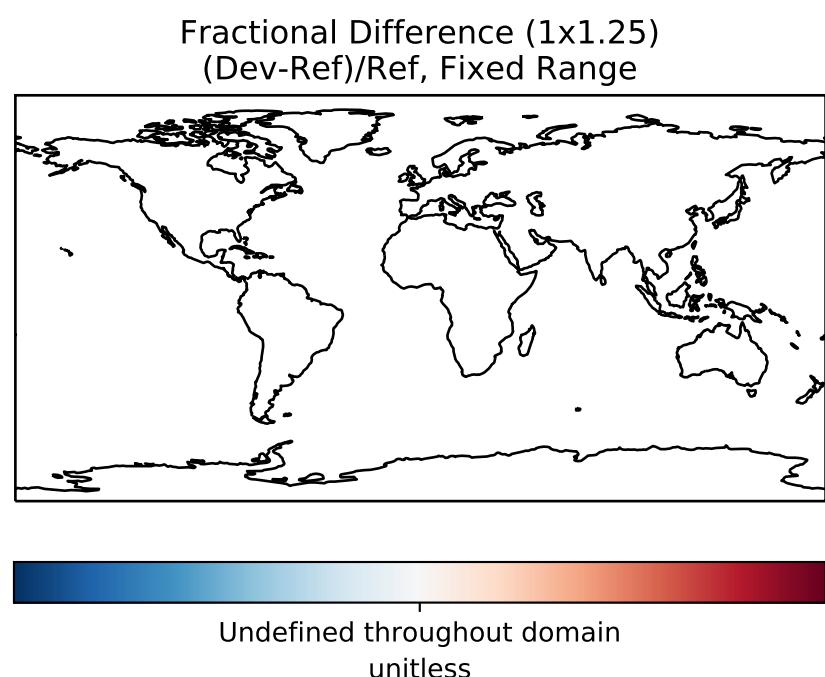
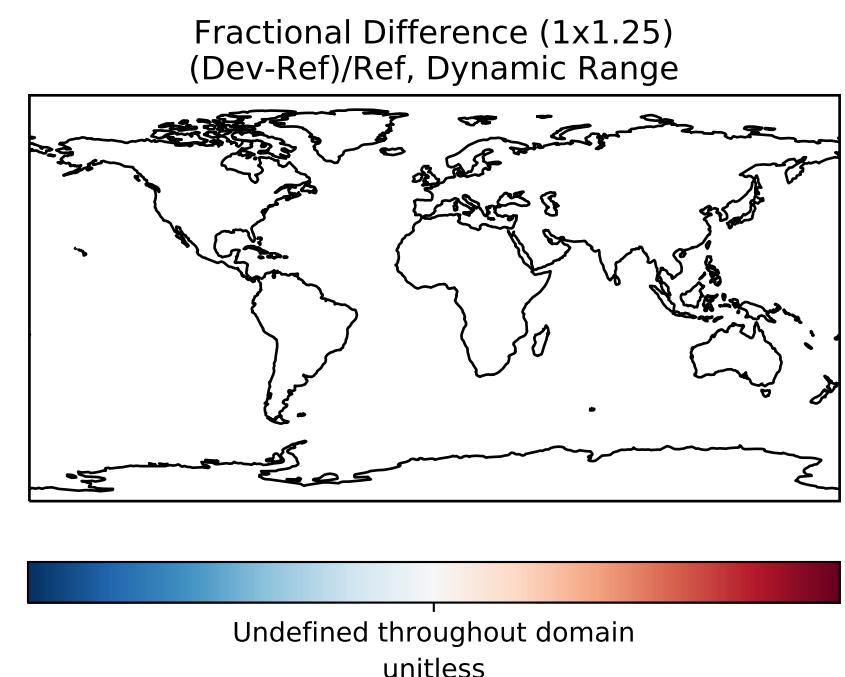
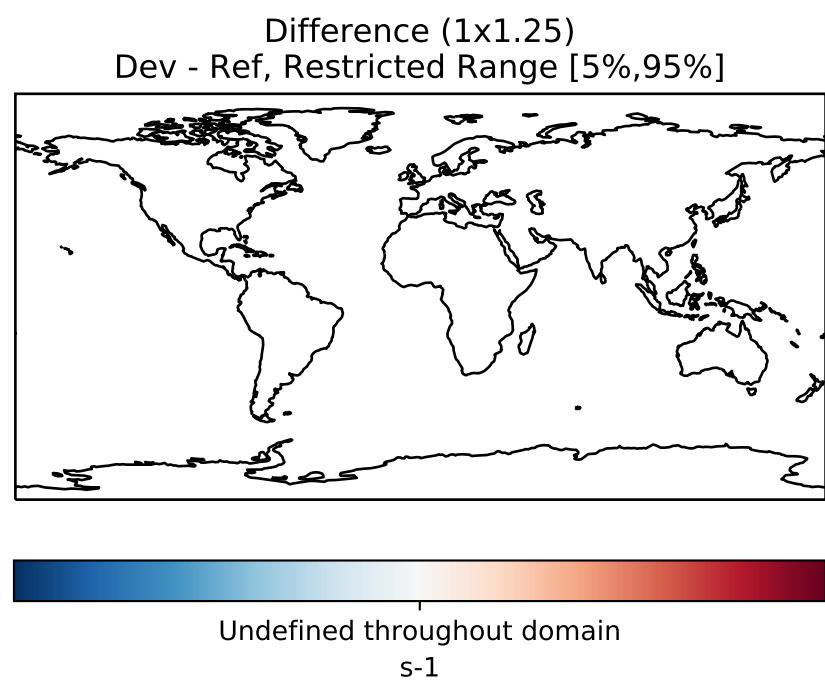
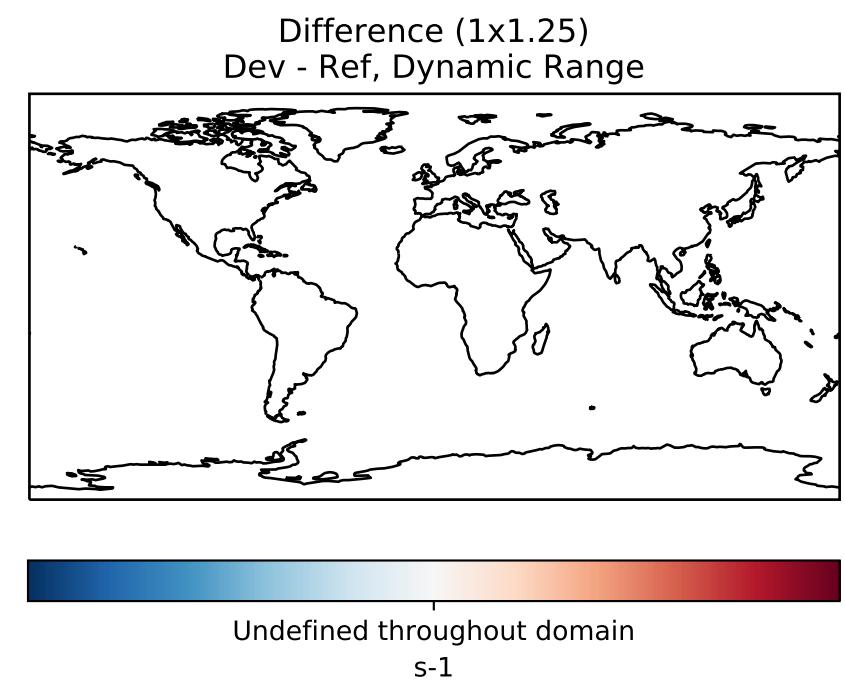
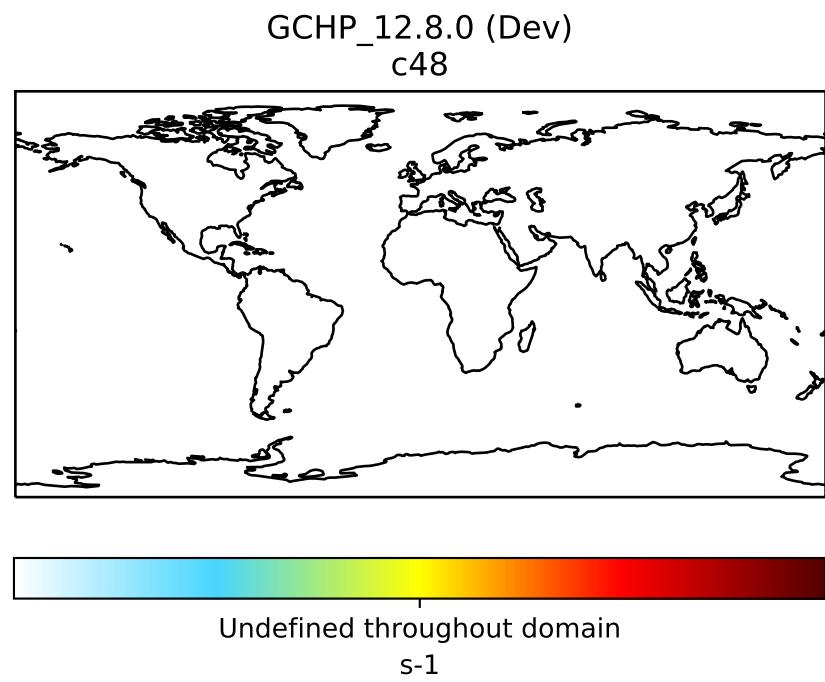
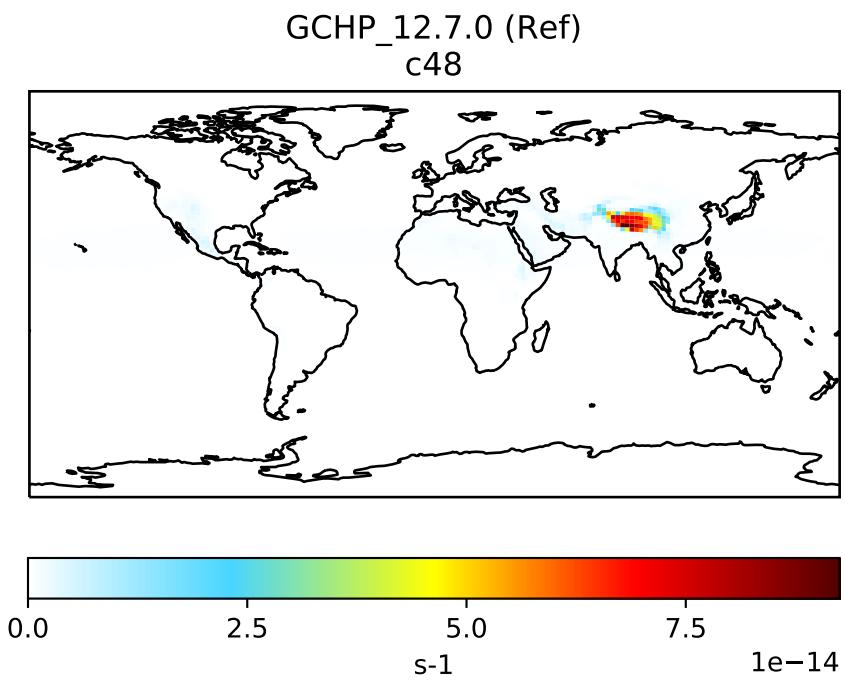


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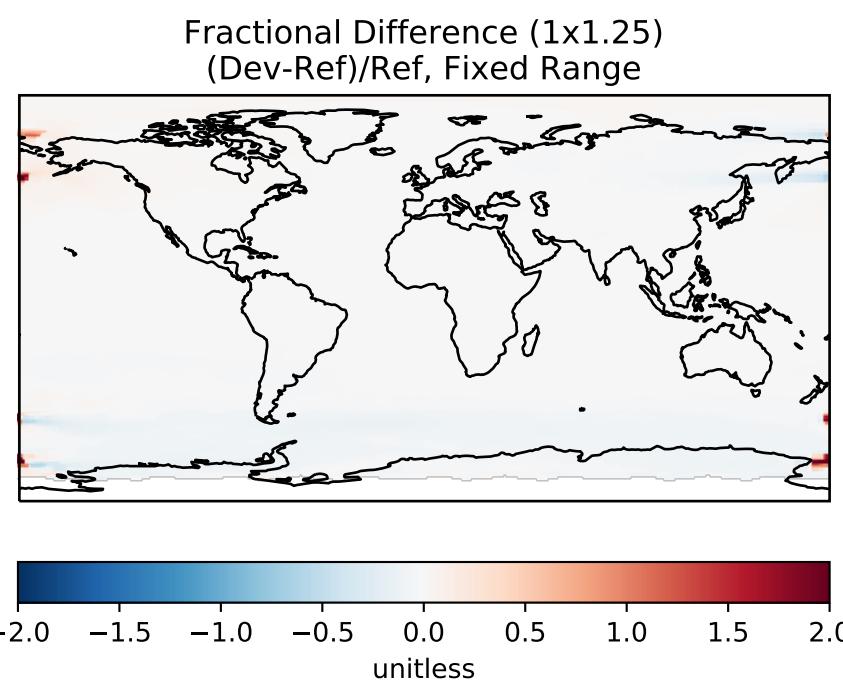
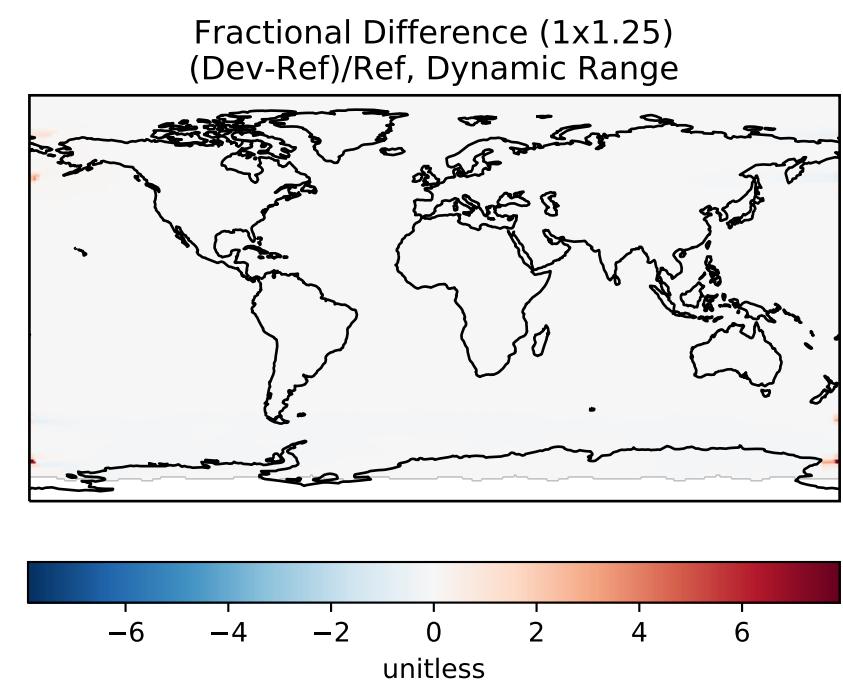
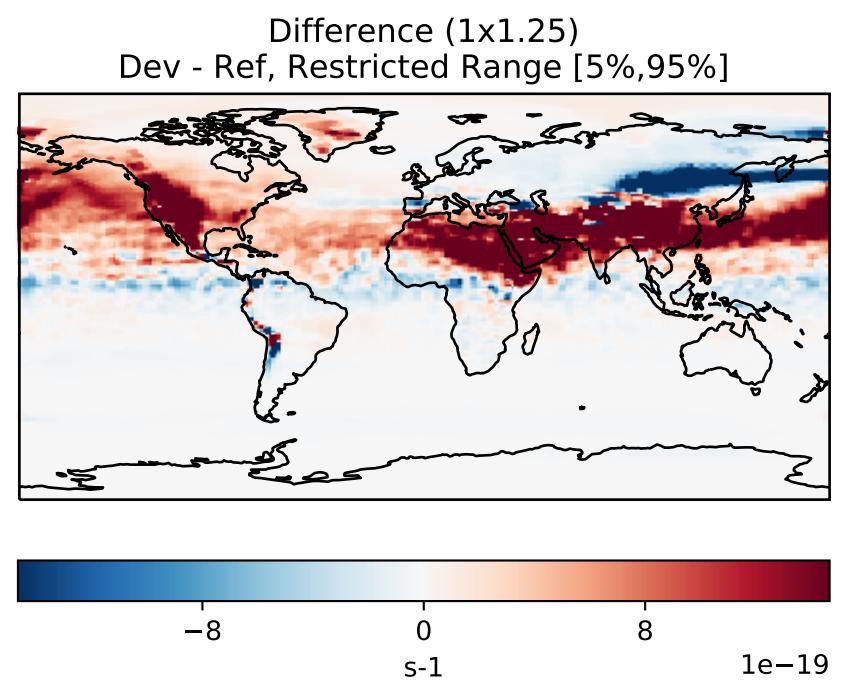
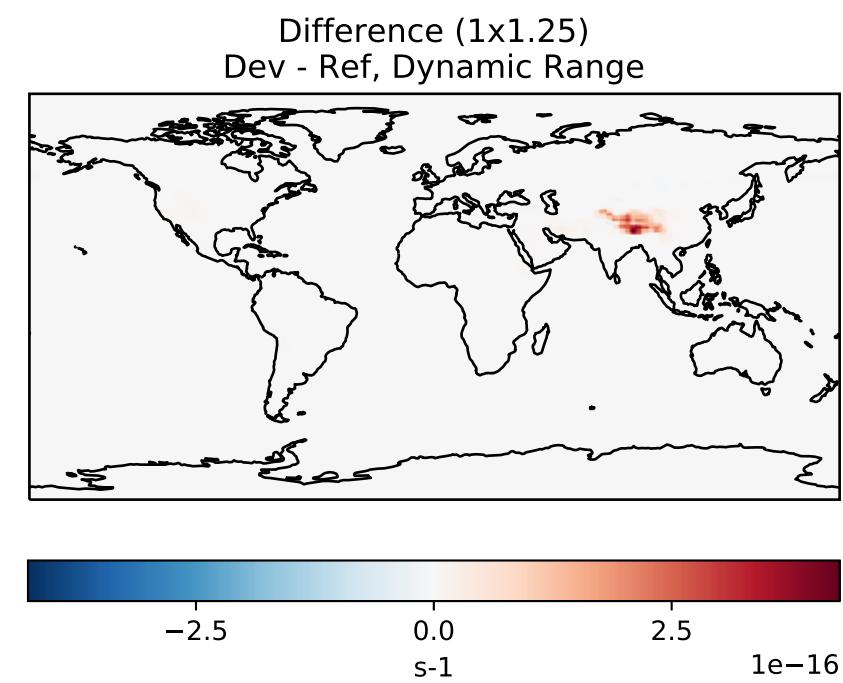
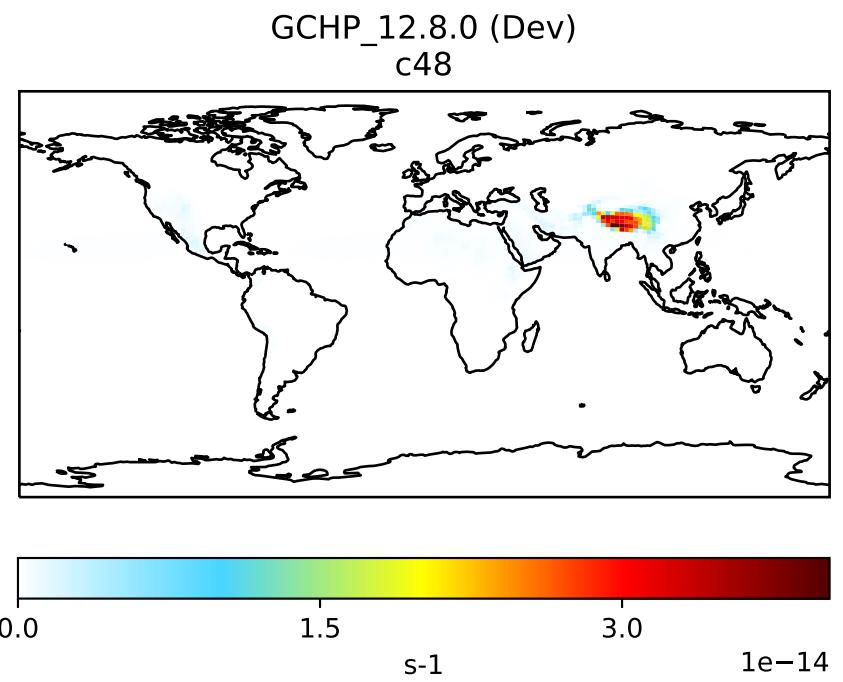
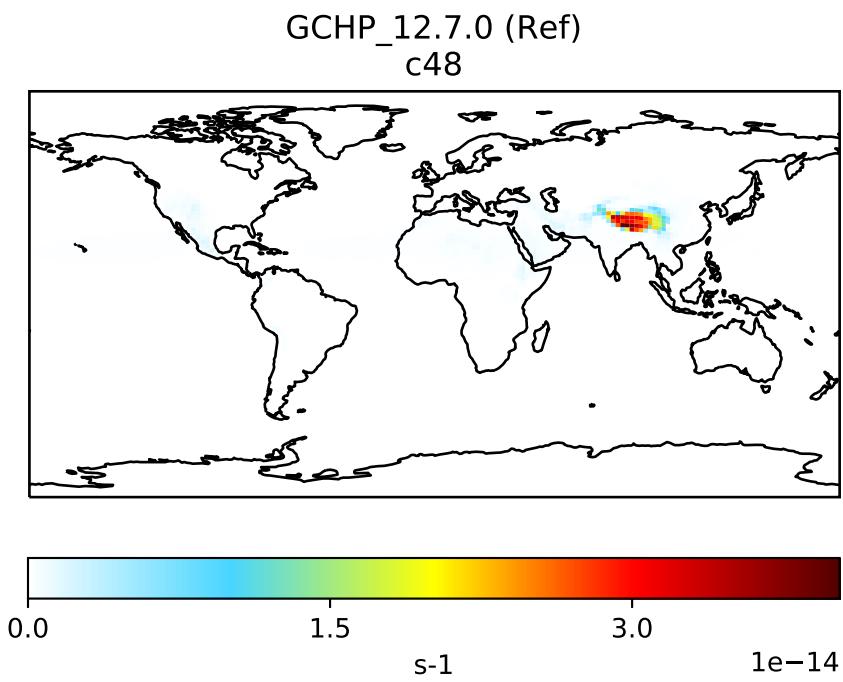
Jval_CCL4



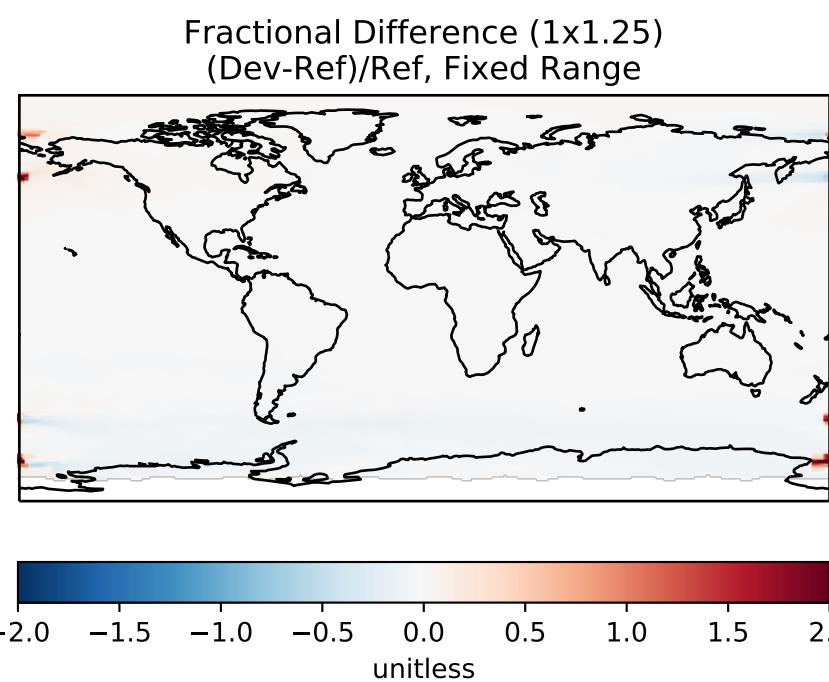
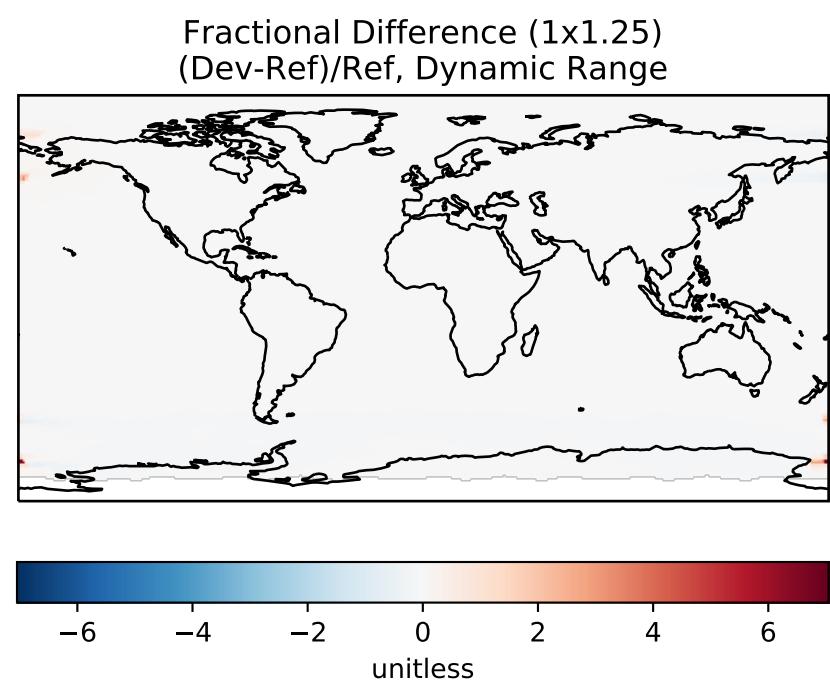
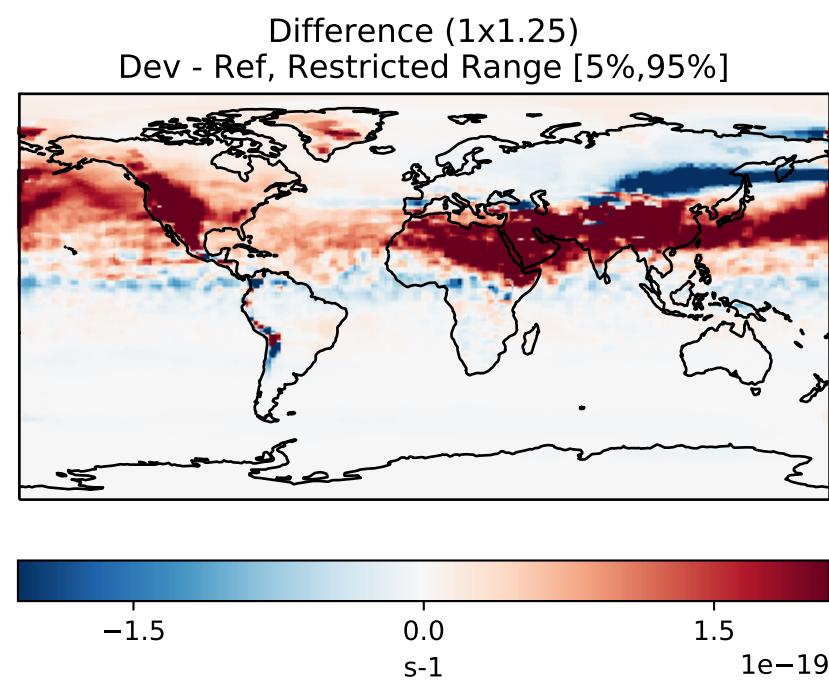
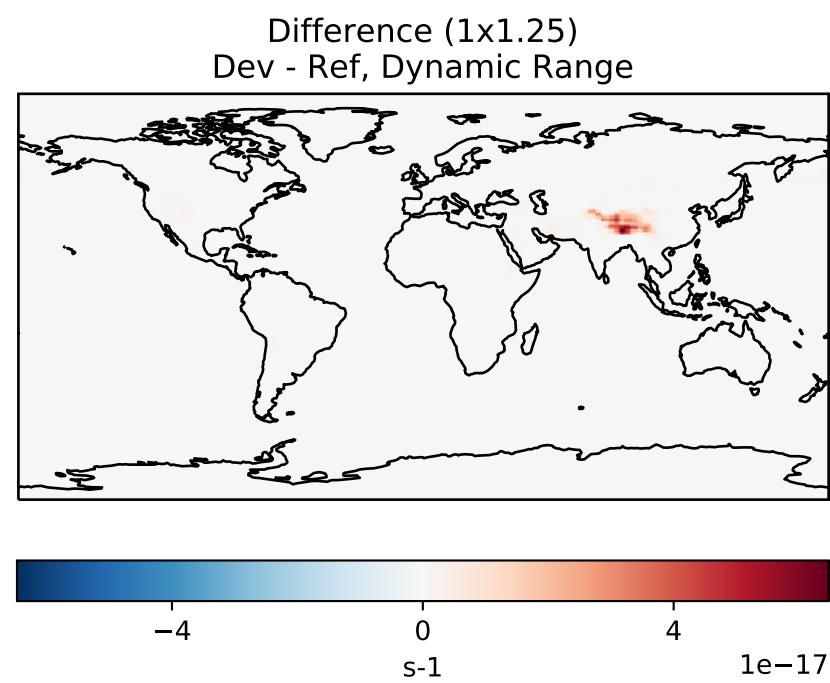
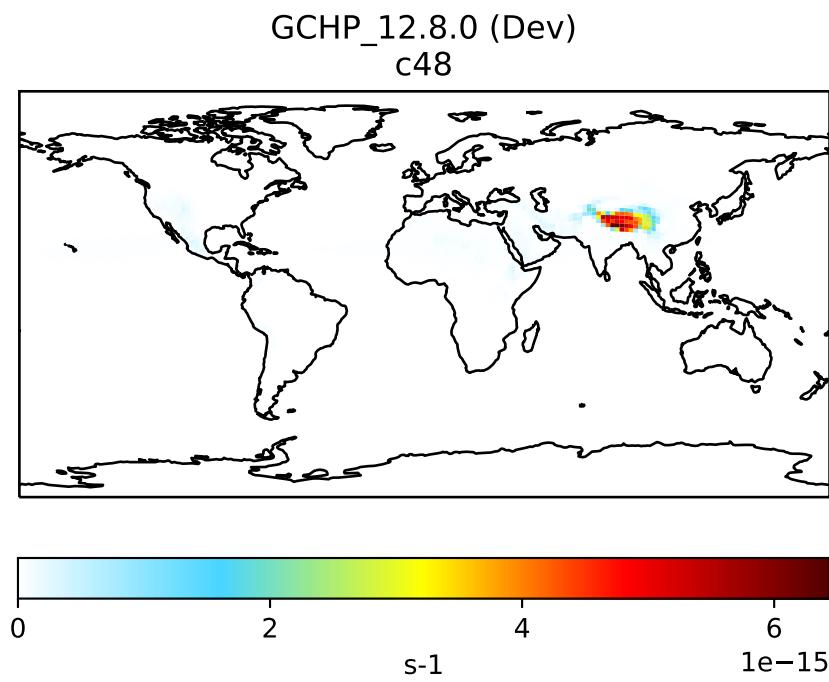
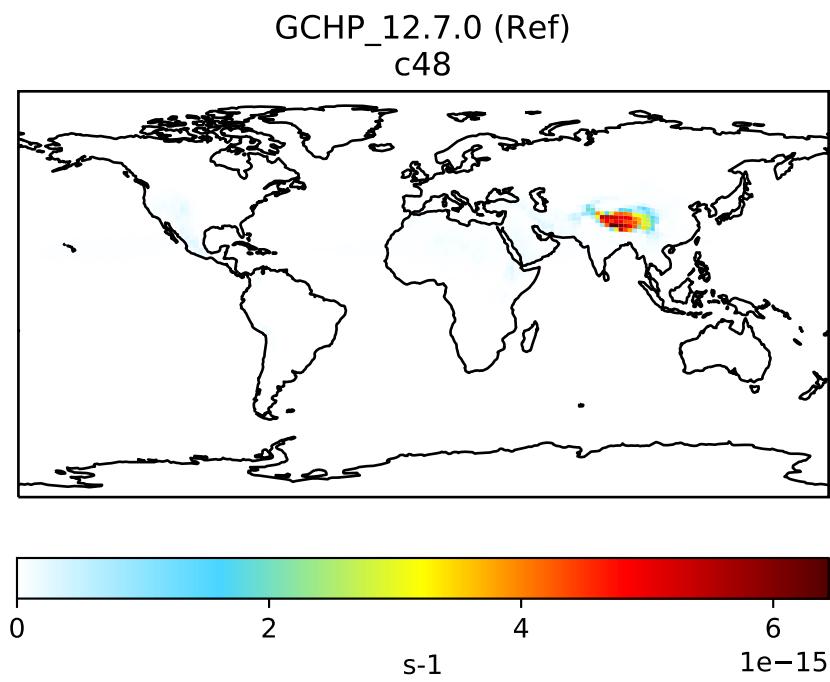
Jval_CCI4



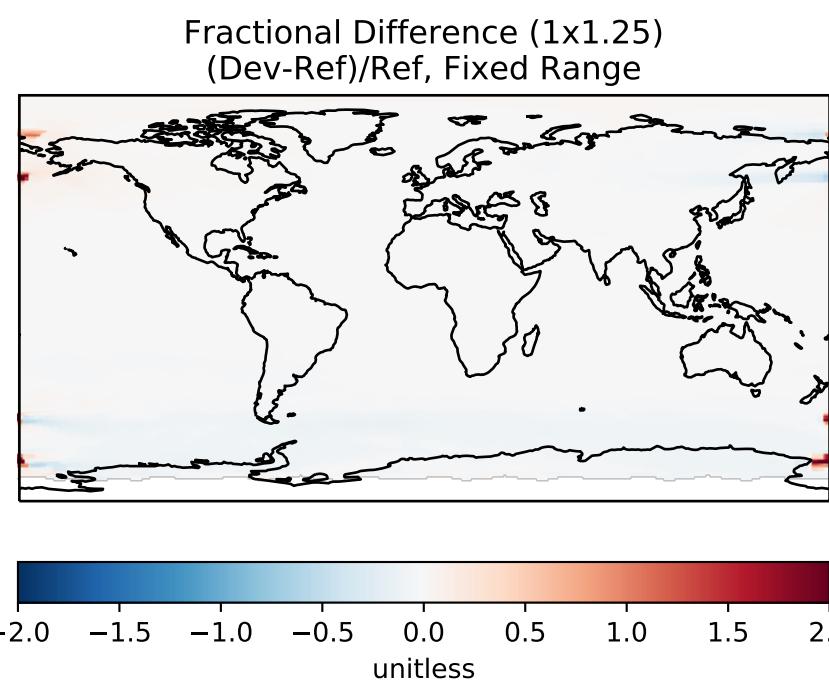
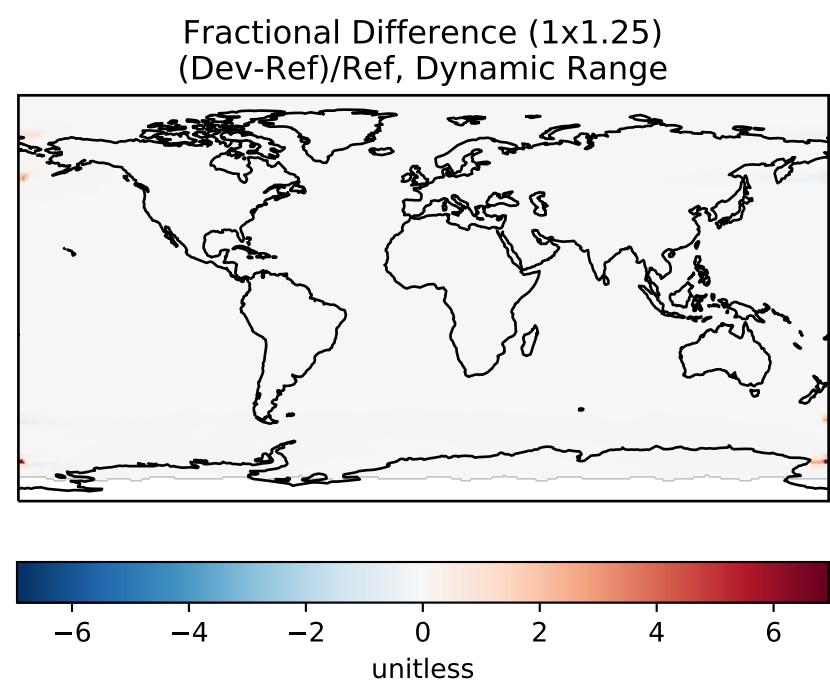
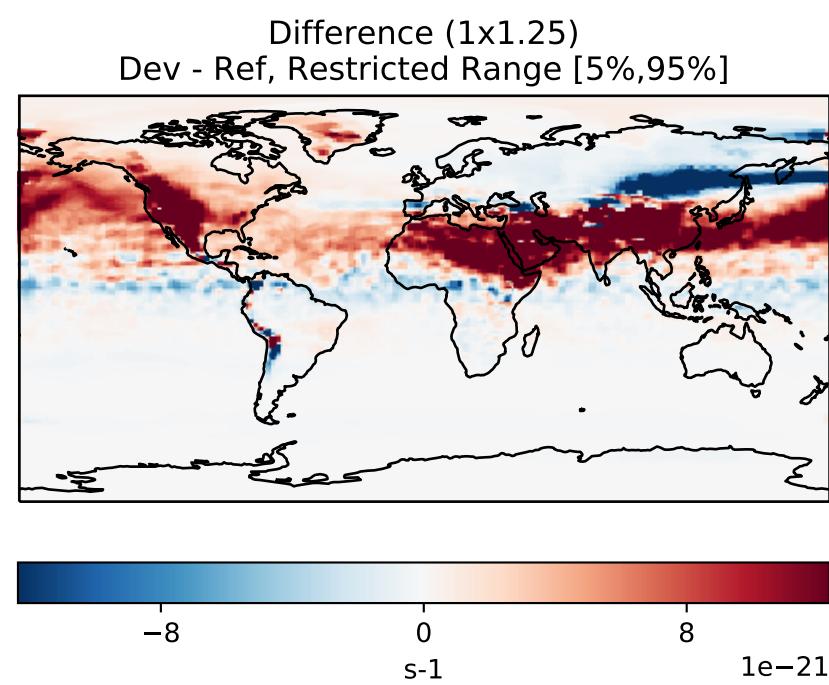
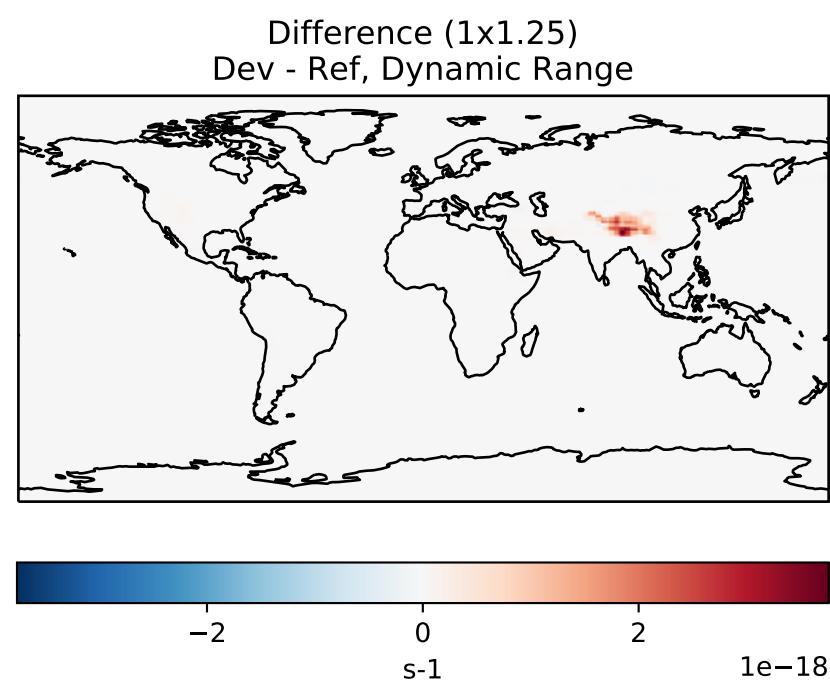
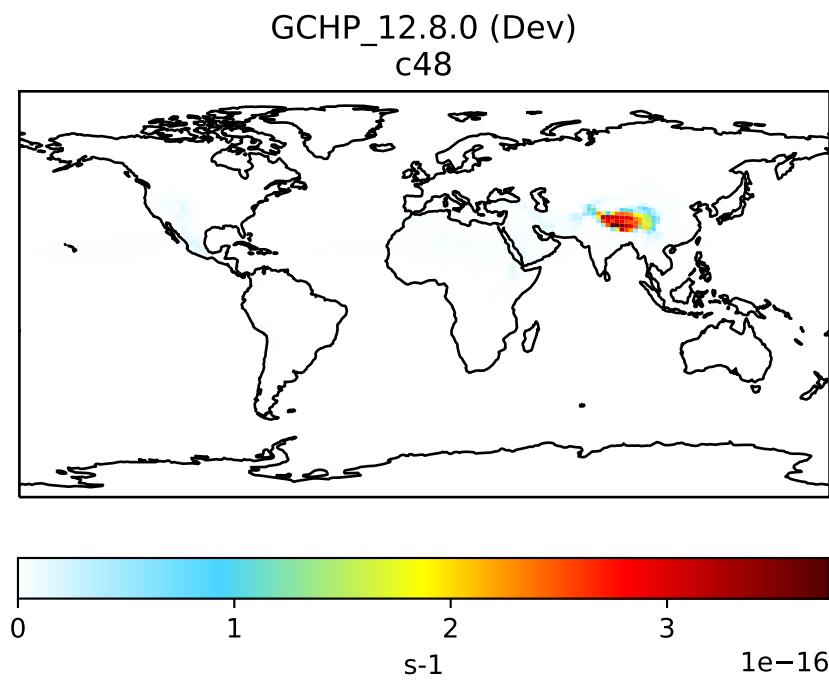
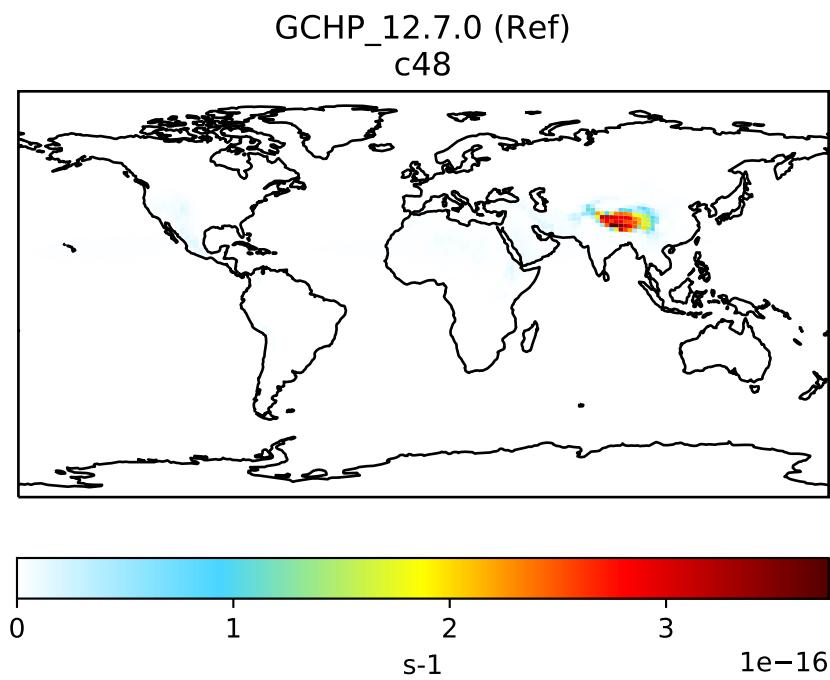
Jval_CFC11



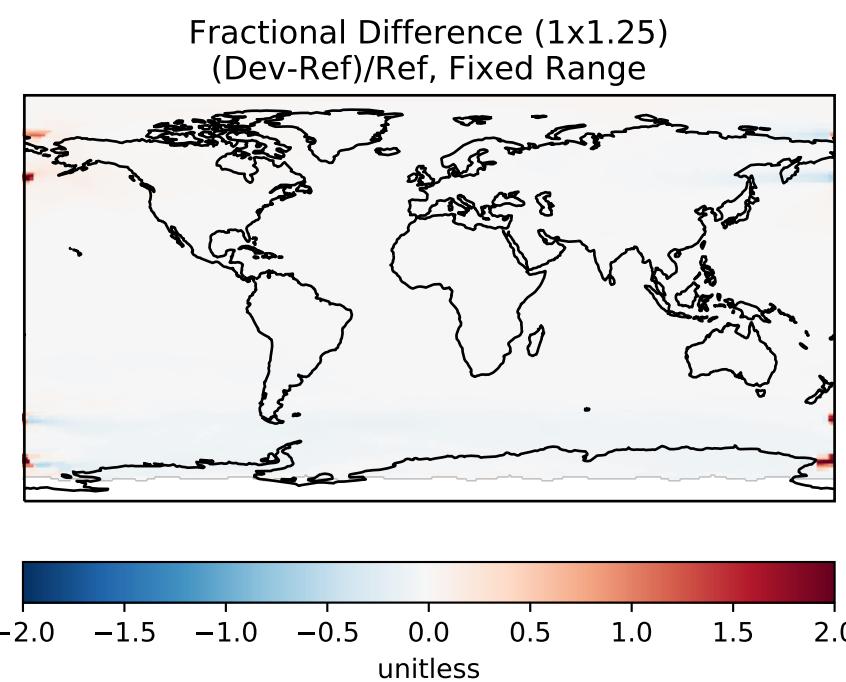
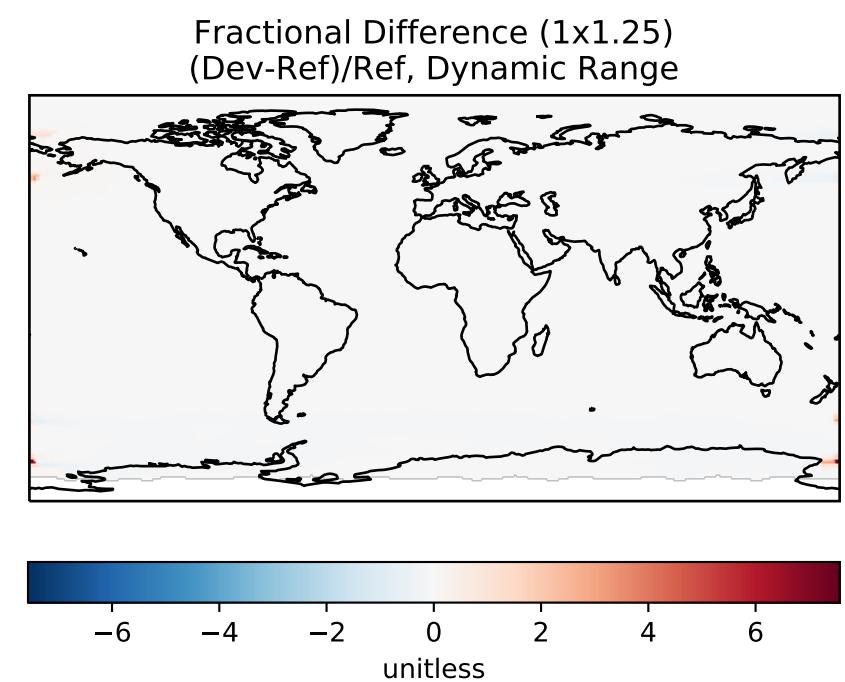
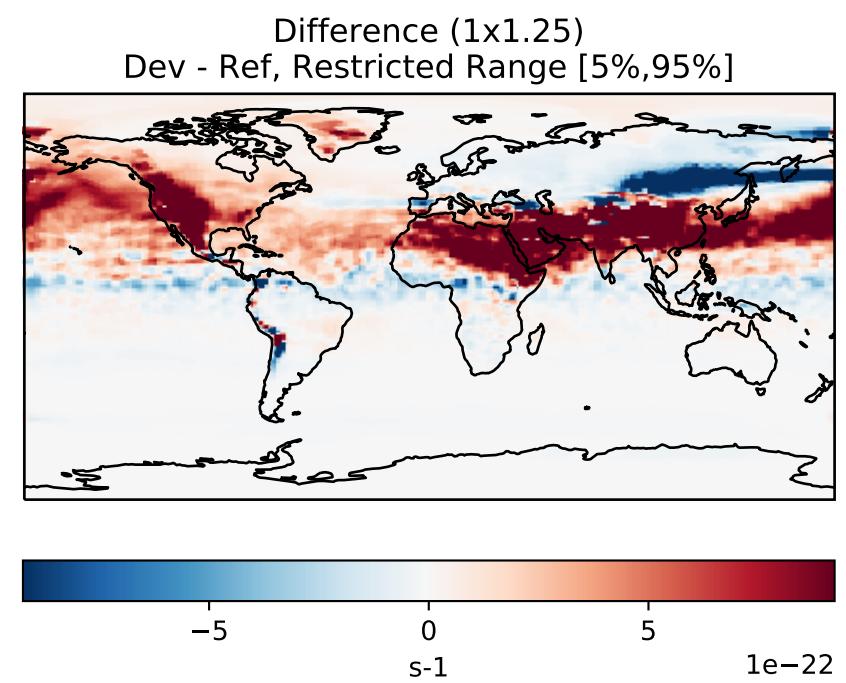
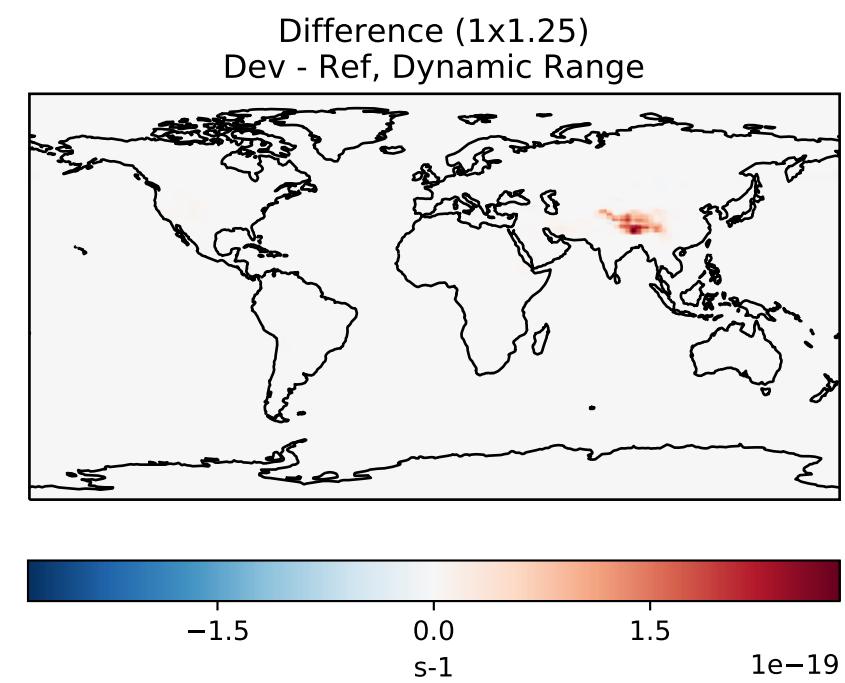
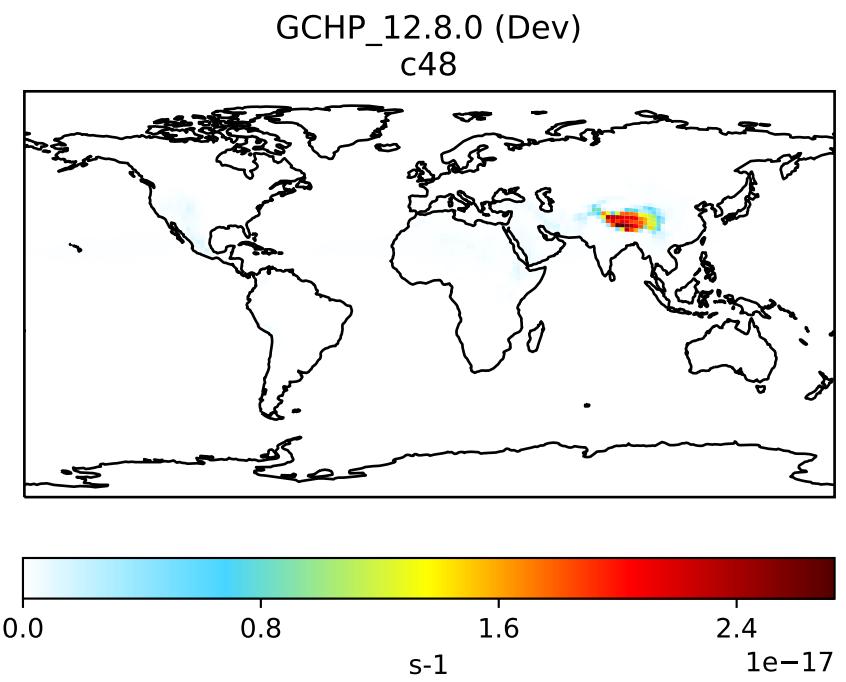
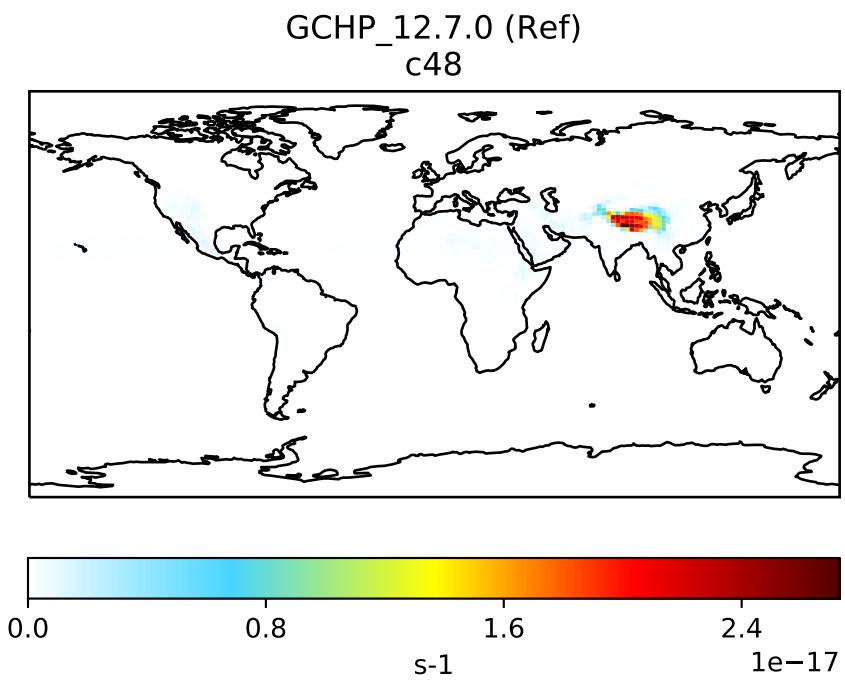
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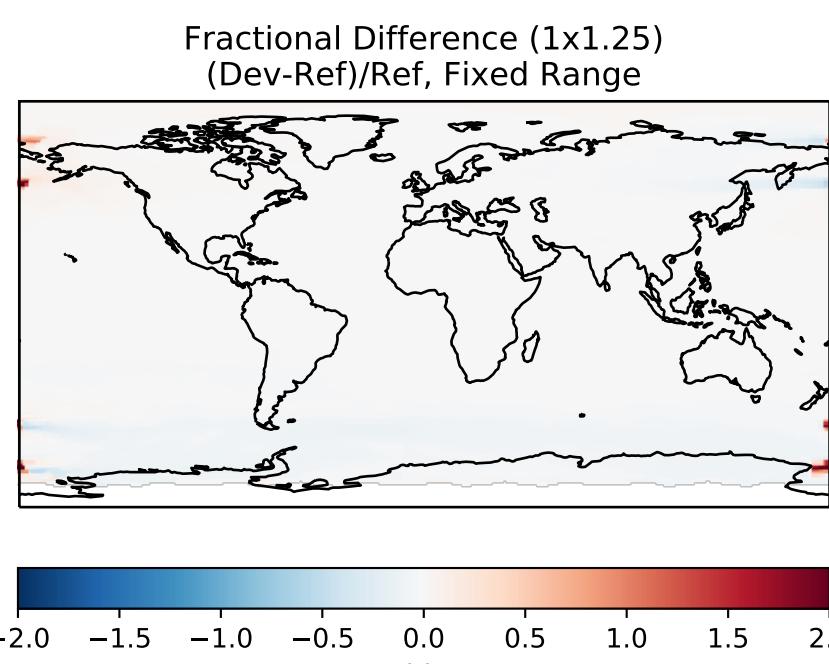
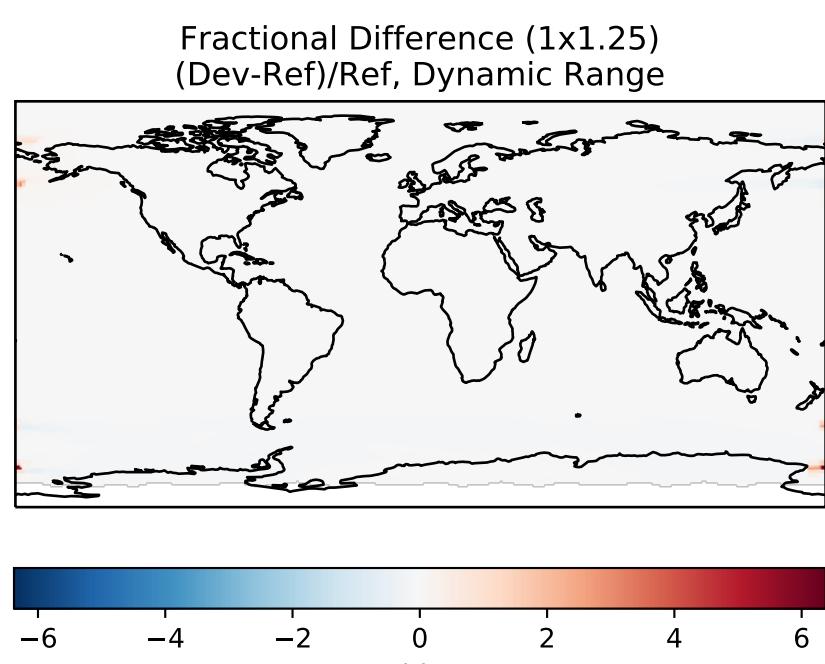
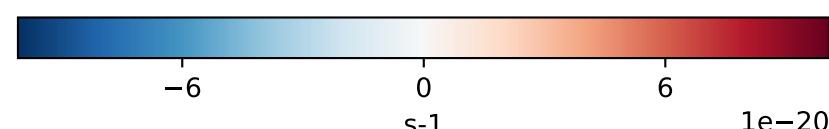
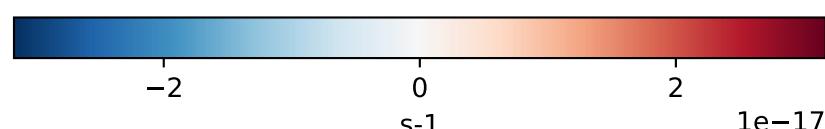
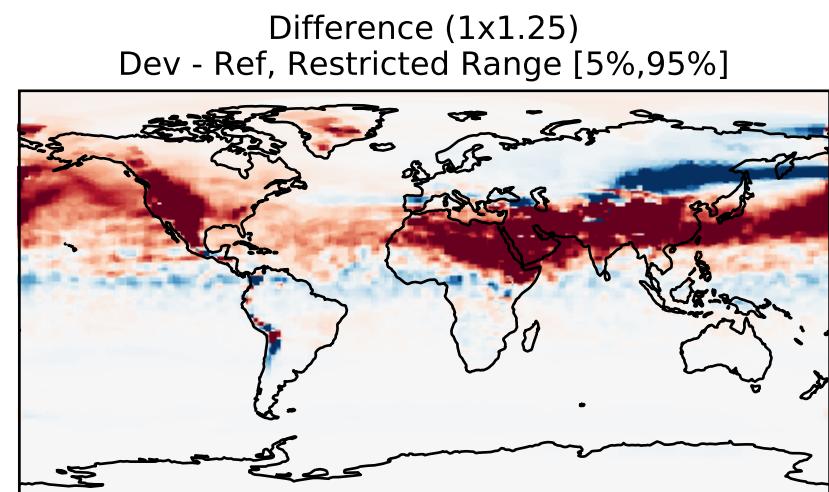
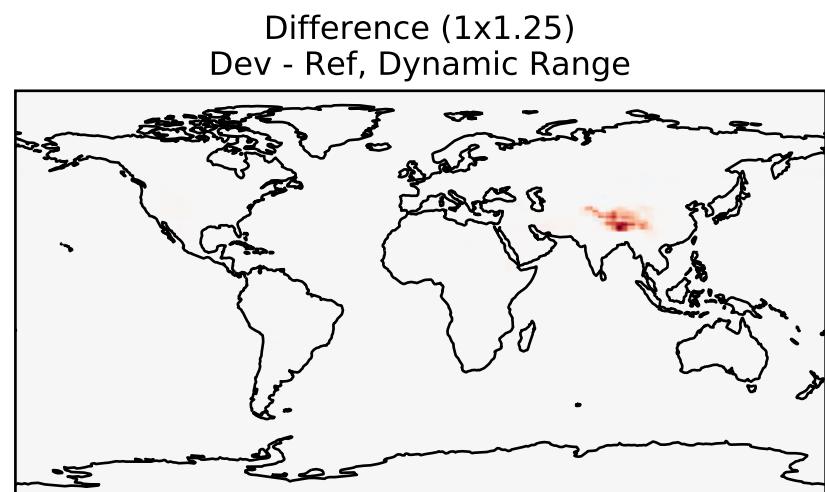
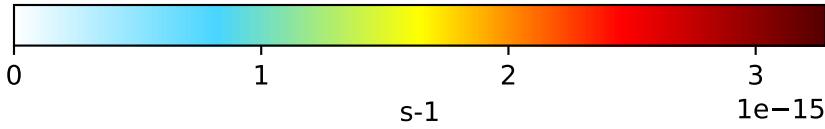
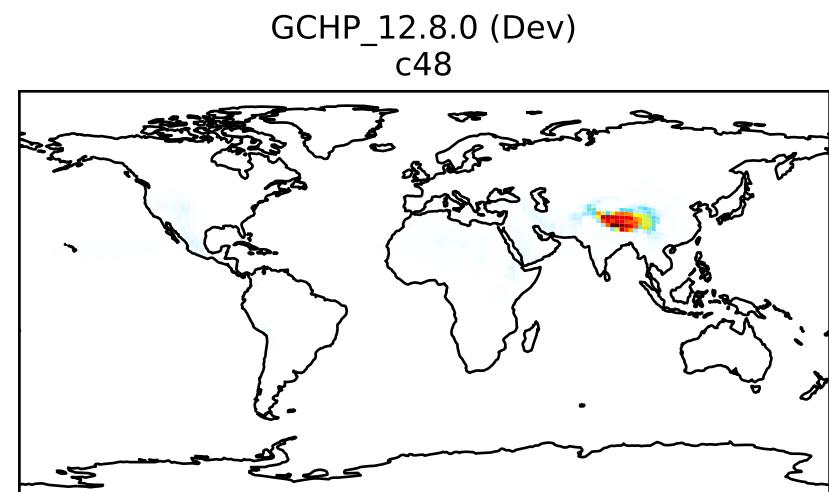
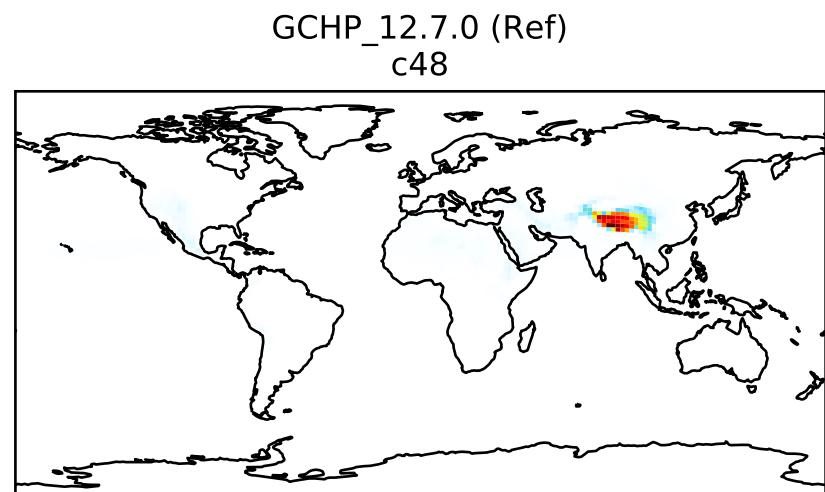
Jval_CFC114



Jval_CFC115

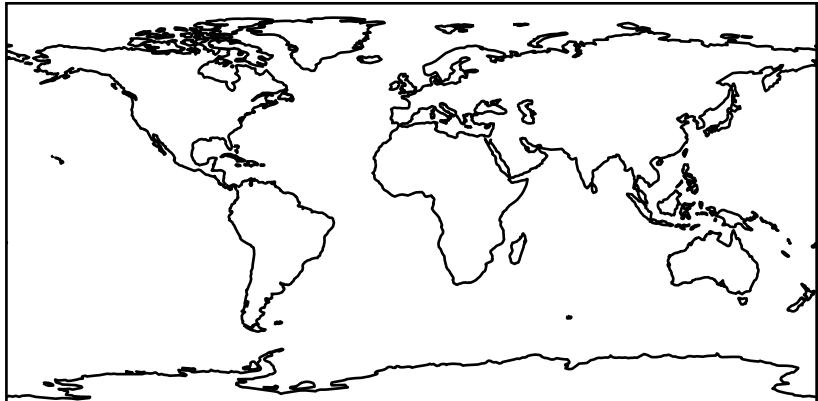


Jval_CFC12



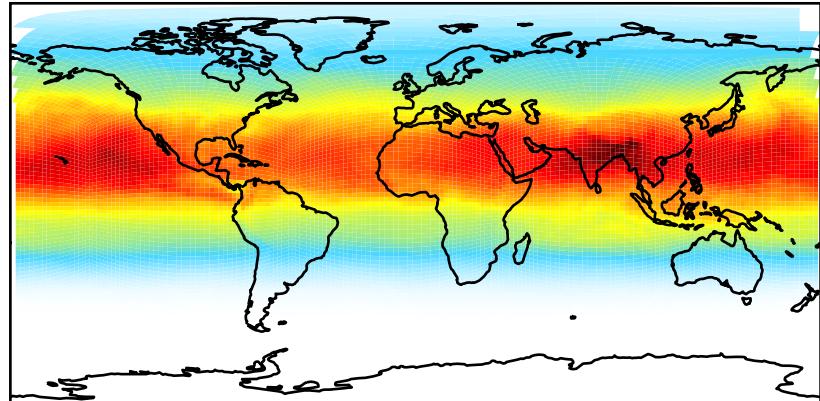
Jval_CH2BR2

GCHP_12.7.0 (Ref)
c48



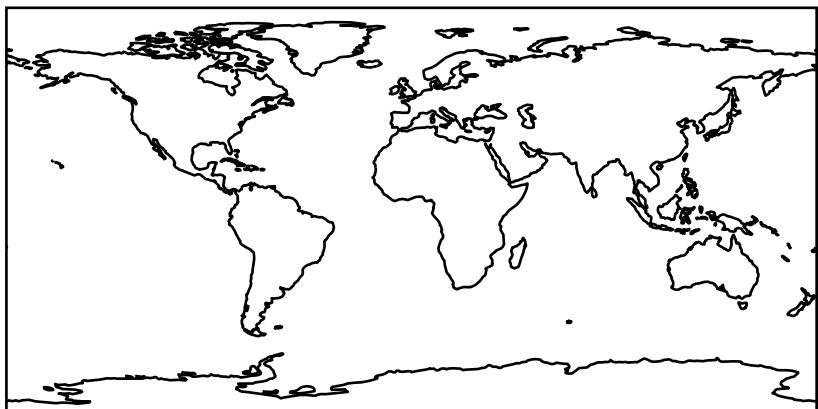
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s⁻¹

GCHP_12.8.0 (Dev)
c48



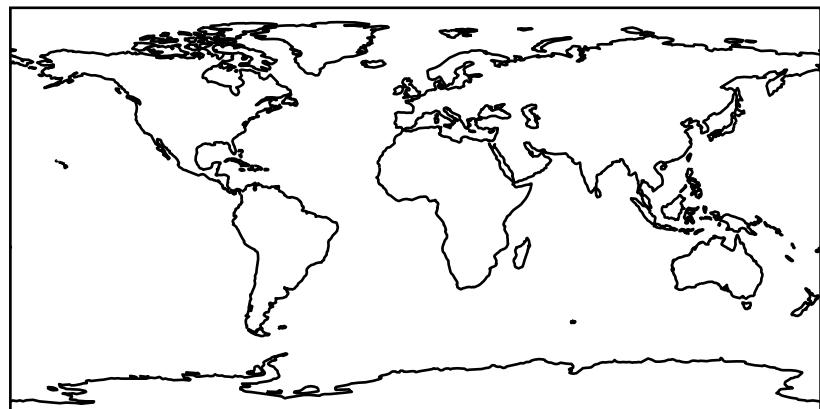
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s⁻¹

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



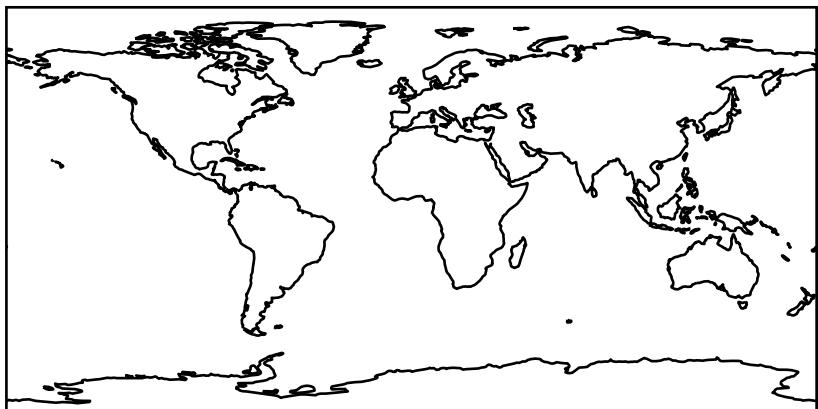
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Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



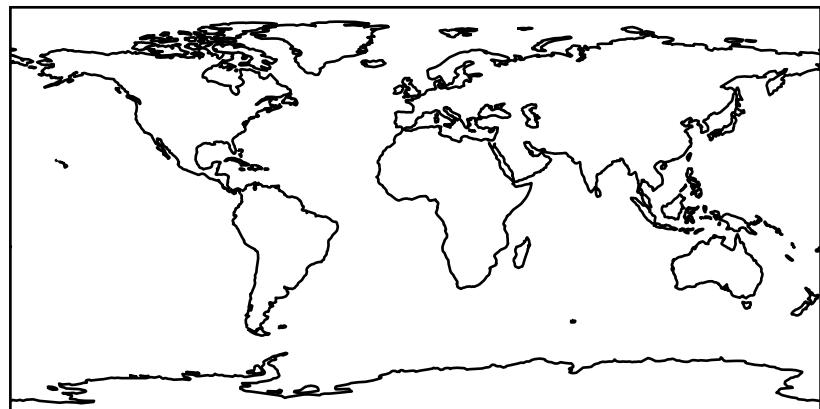
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s⁻¹

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



Undefined throughout domain
unitless

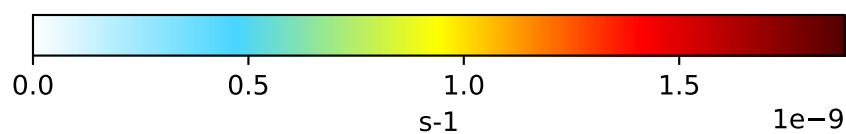
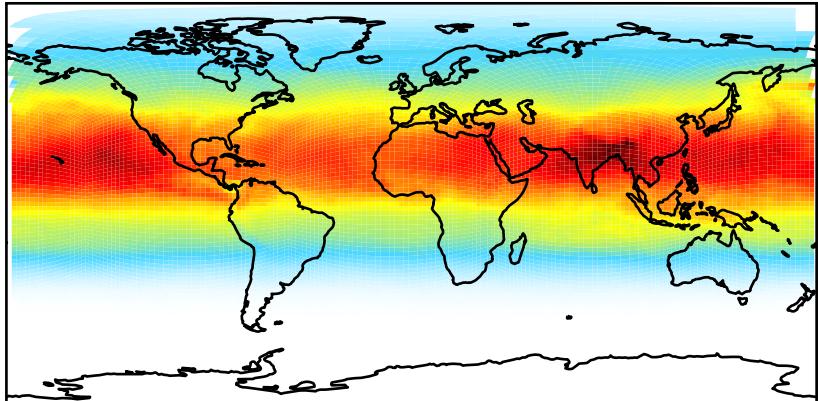
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



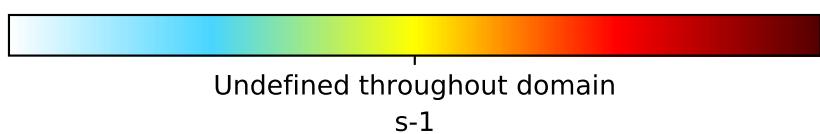
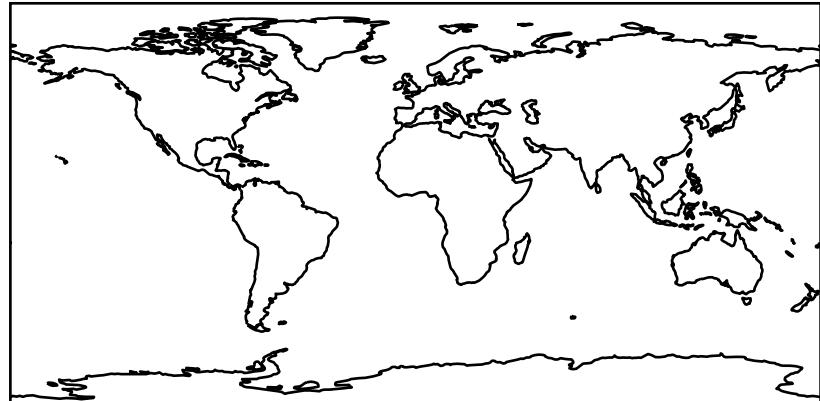
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Jval_CH2Br2

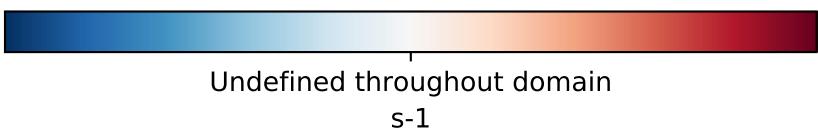
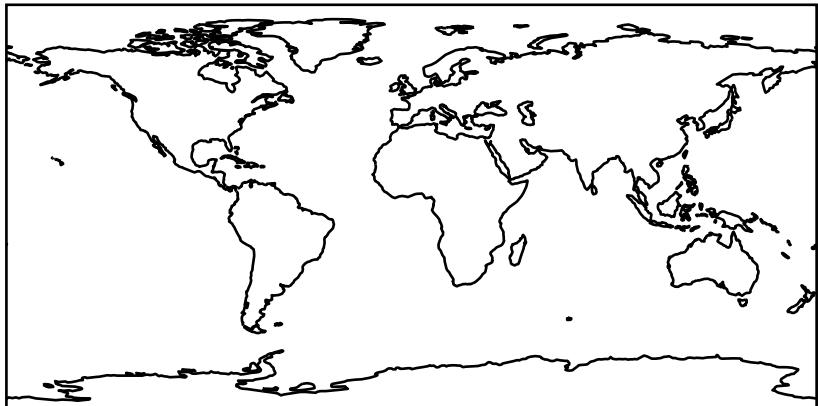
GCHP_12.7.0 (Ref)
c48



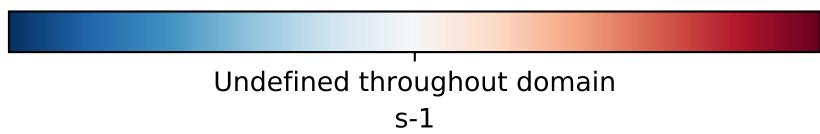
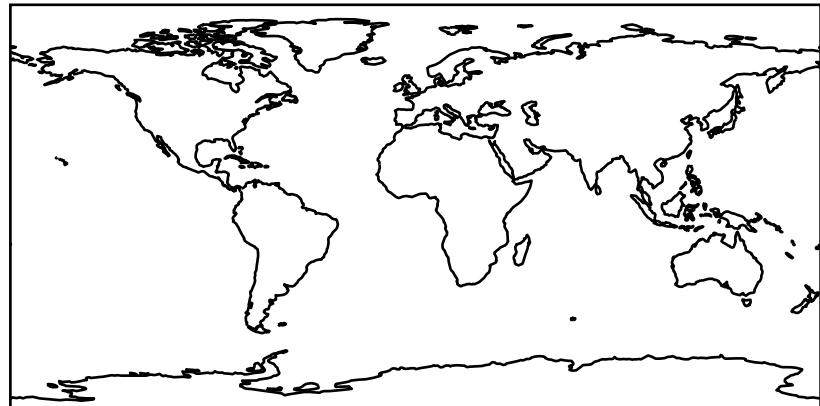
GCHP_12.8.0 (Dev)
c48



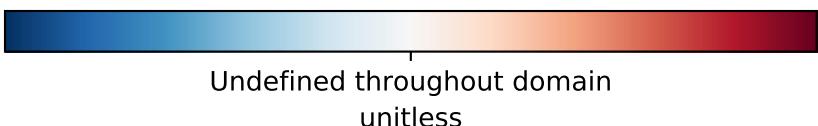
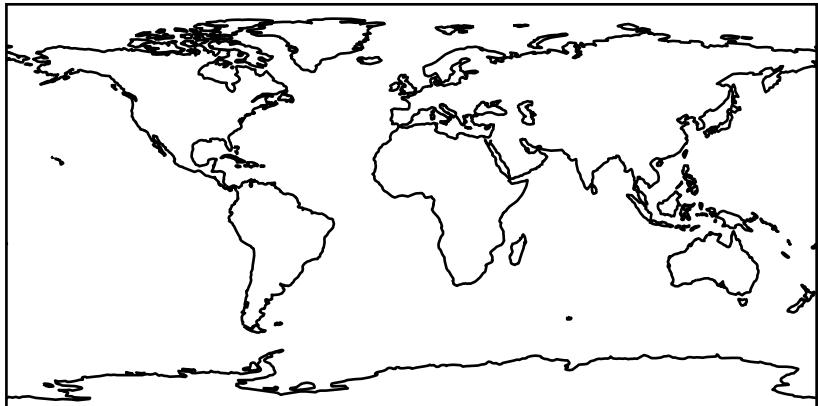
Difference (1x1.25)
Dev - Ref, Dynamic Range



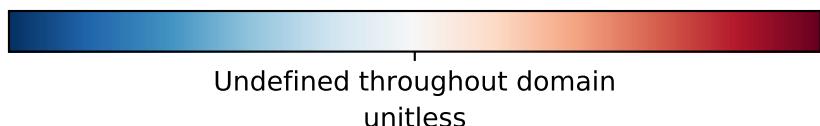
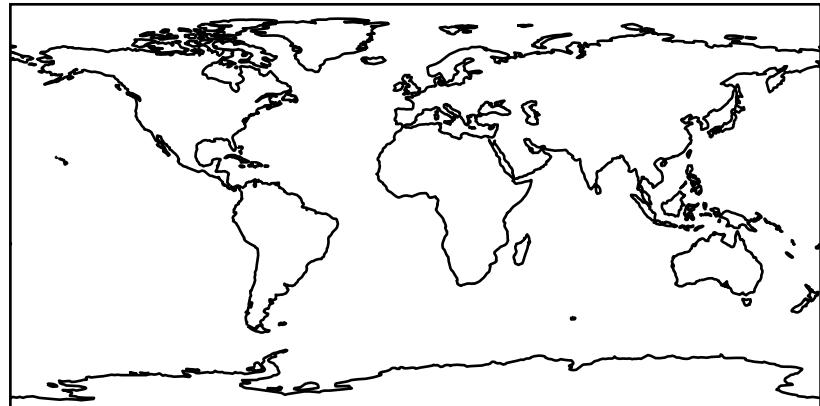
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

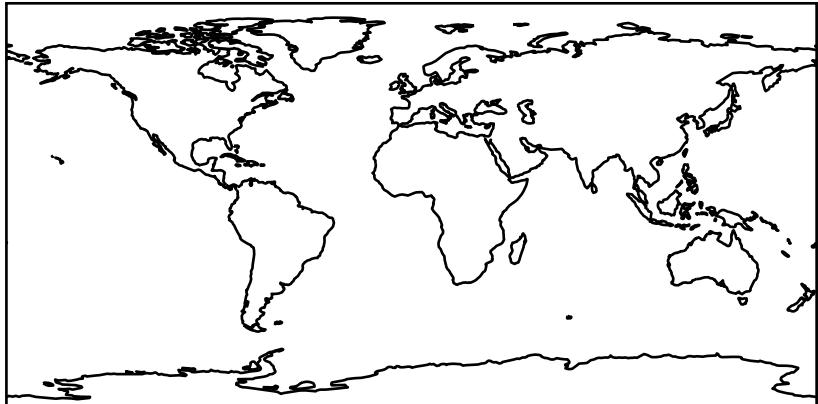


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



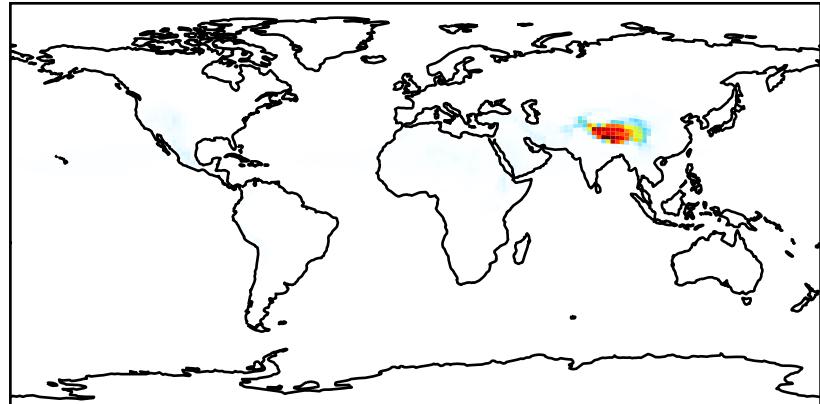
Jval_CH2CL2

GCHP_12.7.0 (Ref)
c48



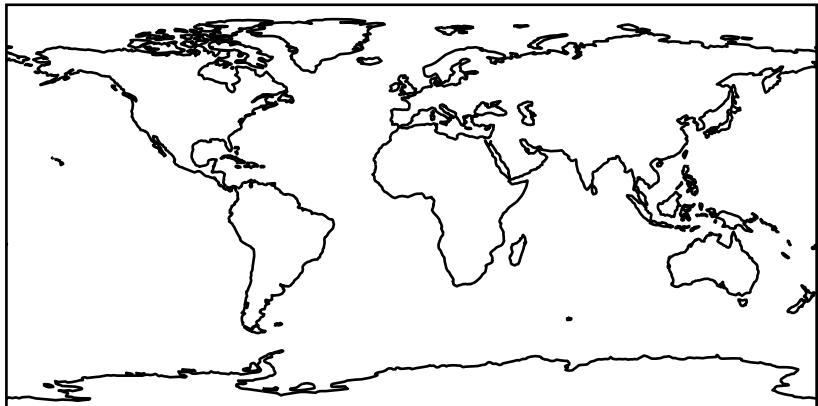
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s⁻¹

GCHP_12.8.0 (Dev)
c48



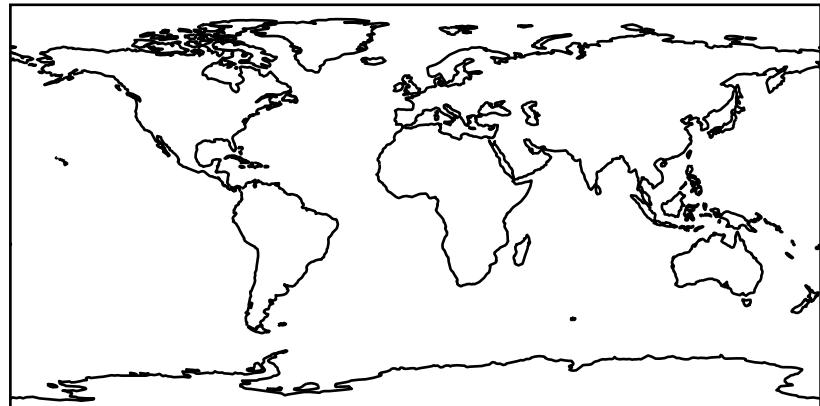
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s⁻¹
1e-15

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



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s⁻¹

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



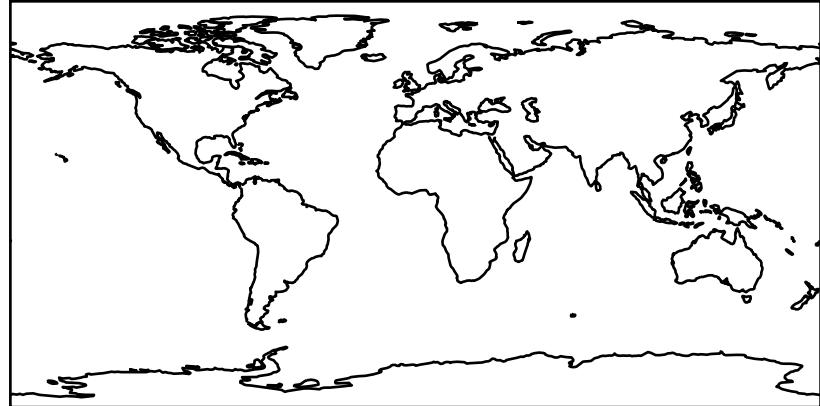
Undefined throughout domain
s⁻¹

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



Undefined throughout domain
unitless

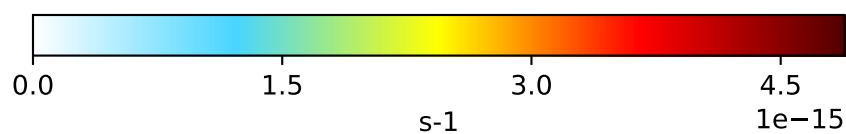
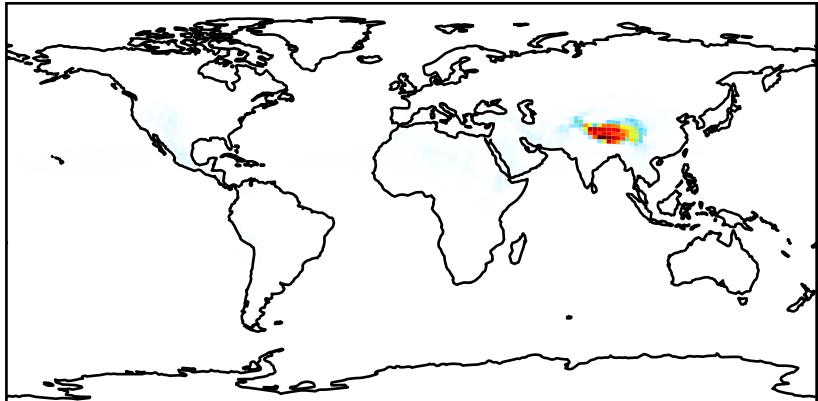
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



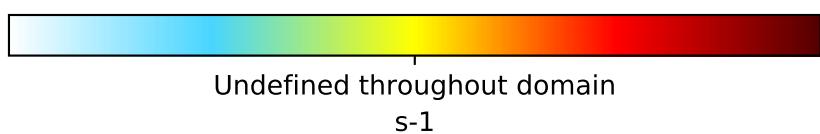
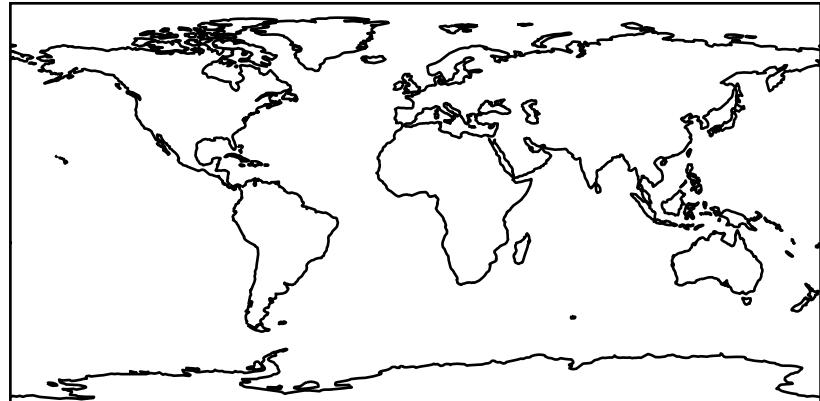
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unitless

Jval_CH2Cl2

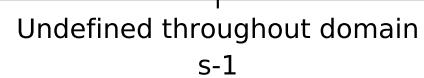
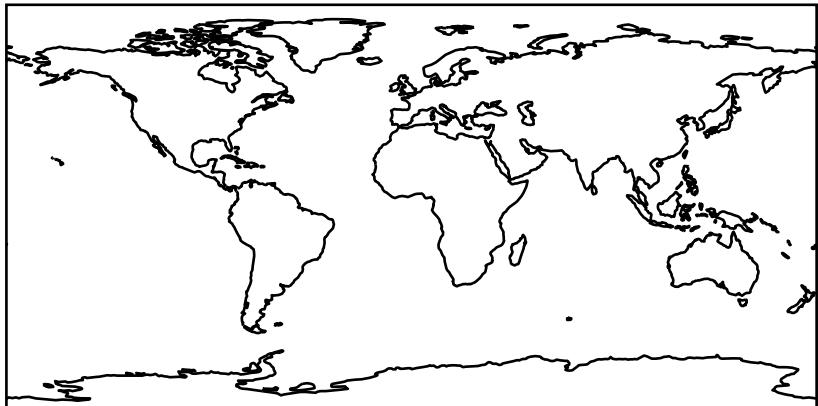
GCHP_12.7.0 (Ref)
c48



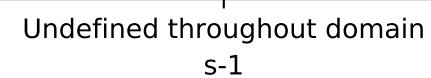
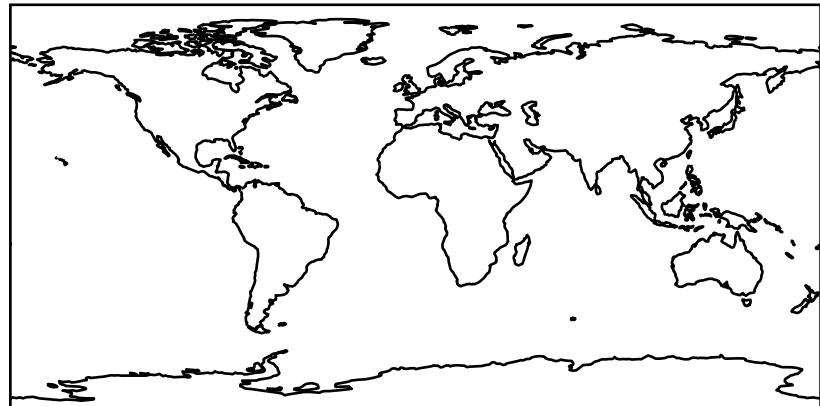
GCHP_12.8.0 (Dev)
c48



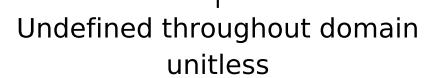
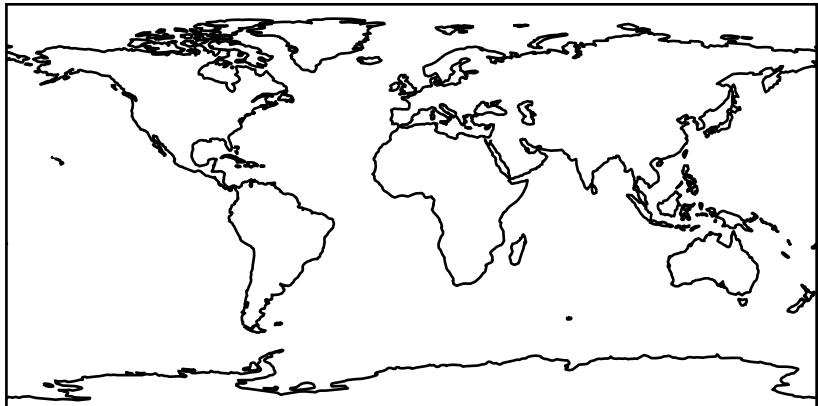
Difference (1x1.25)
Dev - Ref, Dynamic Range



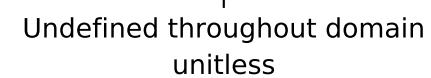
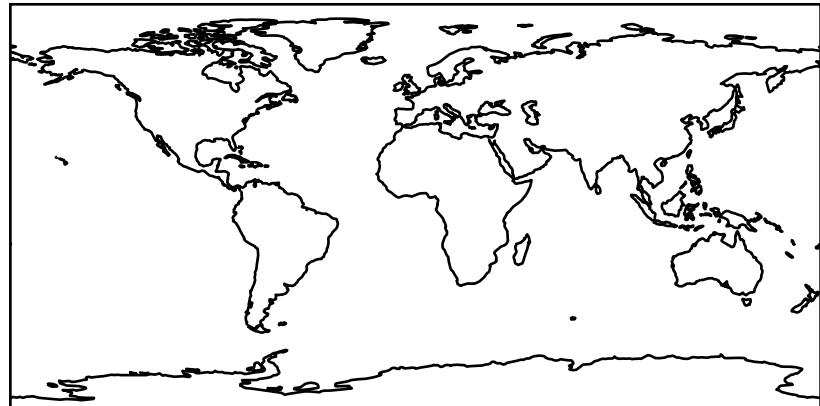
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

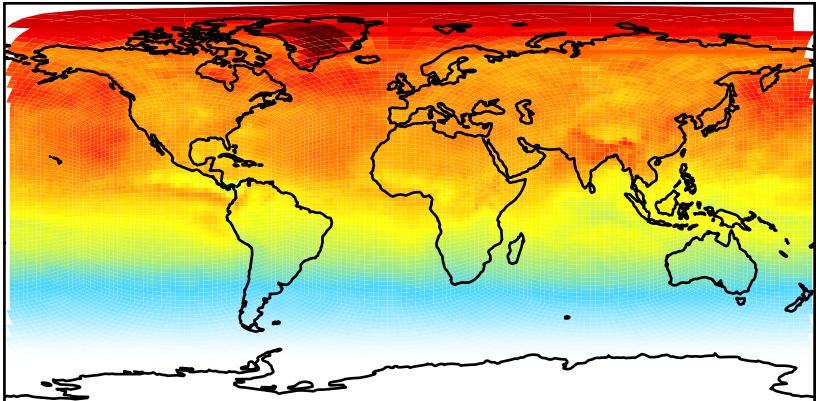


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

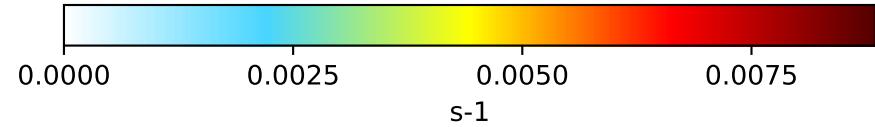
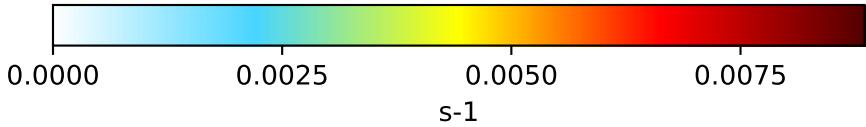
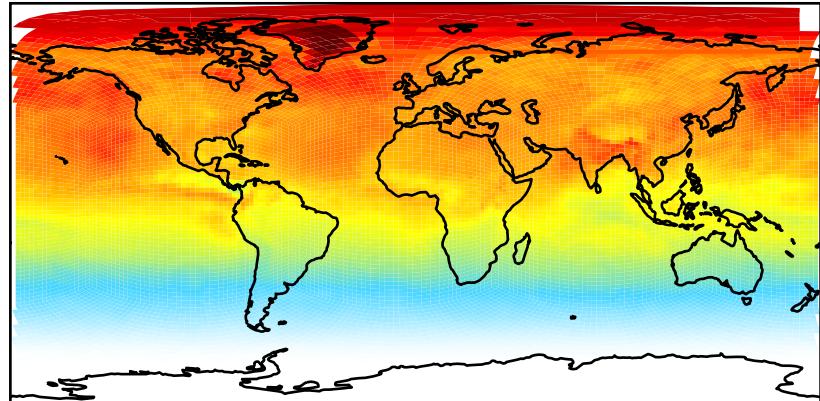


Jval_CH2I2

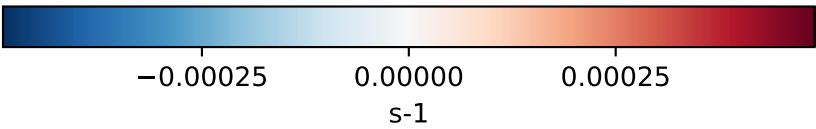
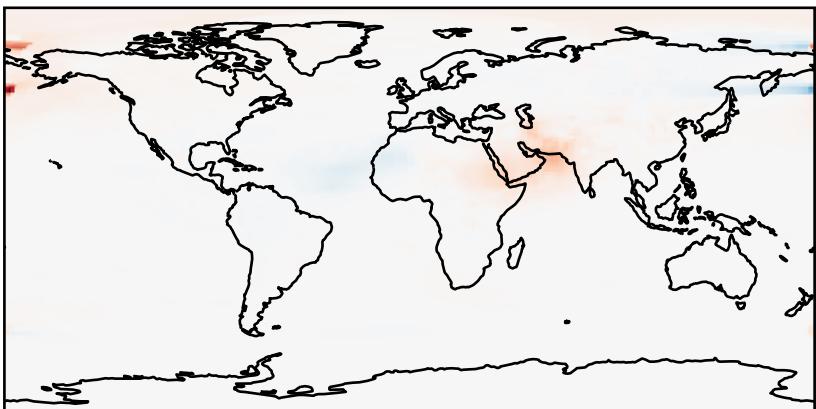
GCHP_12.7.0 (Ref)
c48



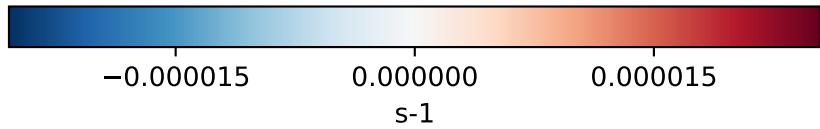
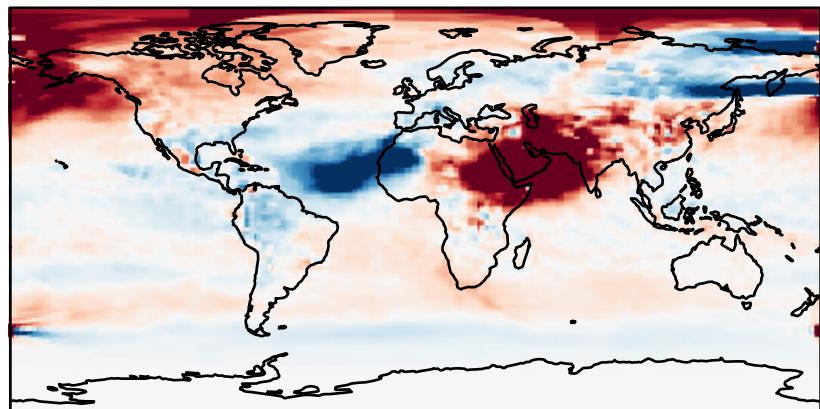
GCHP_12.8.0 (Dev)
c48



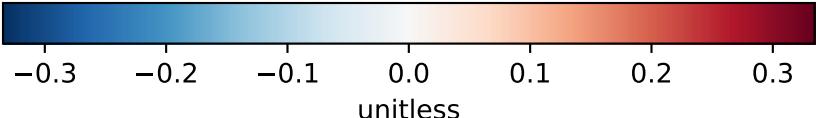
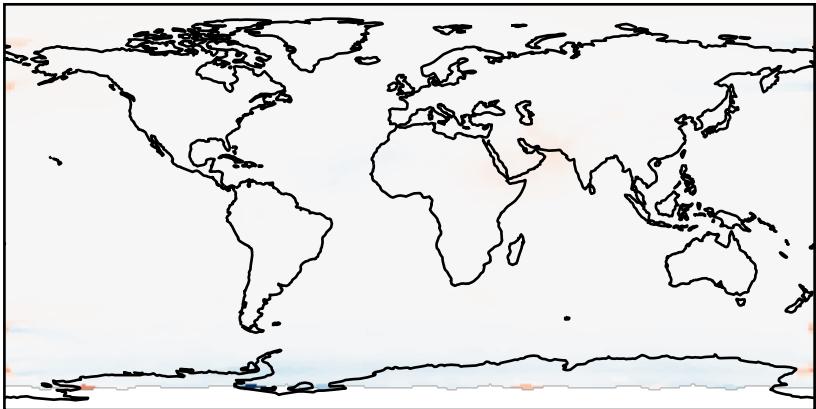
Difference (1x1.25)
Dev - Ref, Dynamic Range



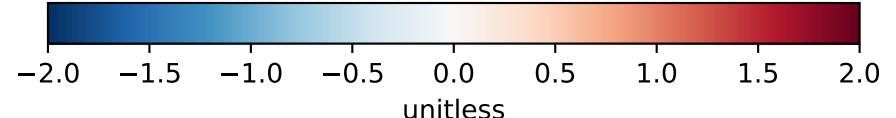
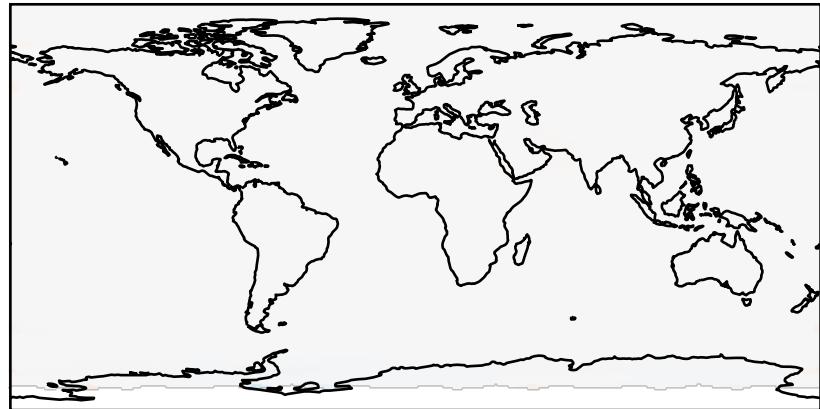
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

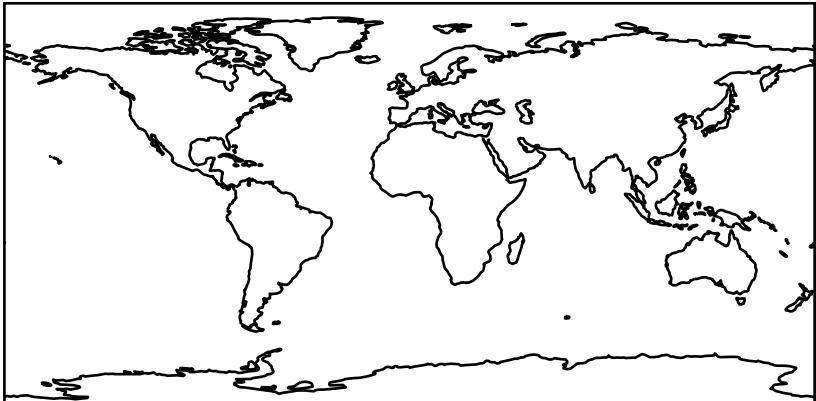


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



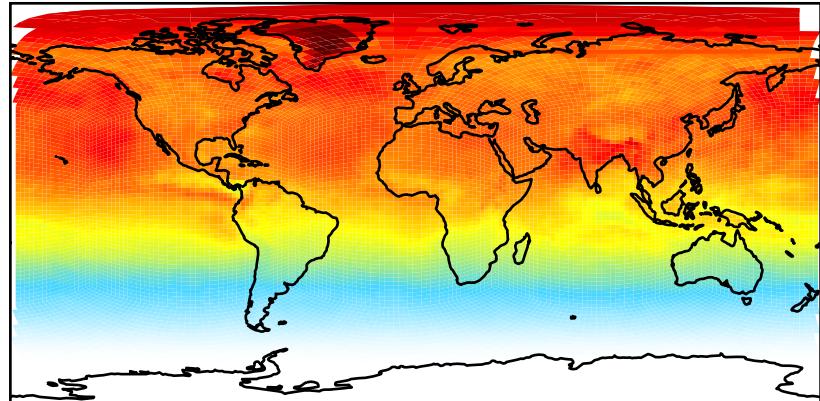
Jval_CH2IBR

GCHP_12.7.0 (Ref)
c48



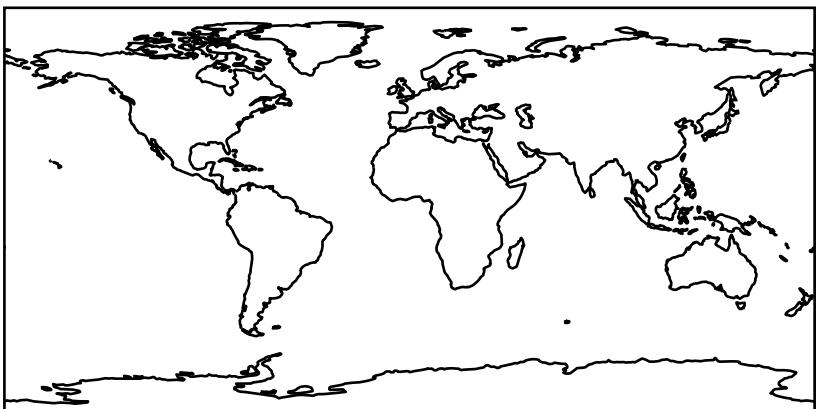
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s-1

GCHP_12.8.0 (Dev)
c48



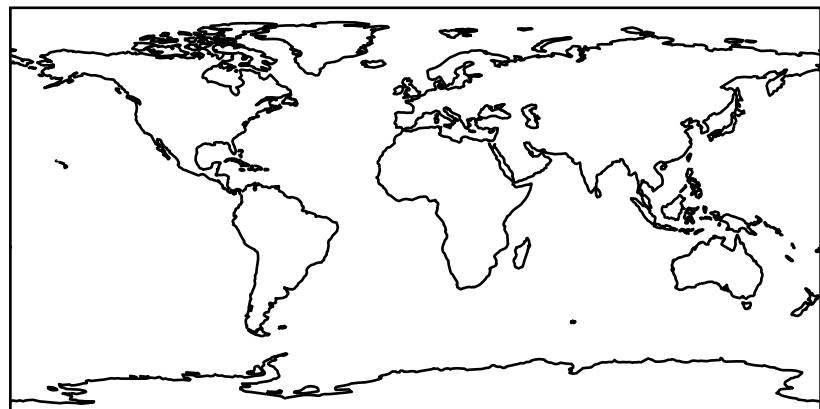
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s-1

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



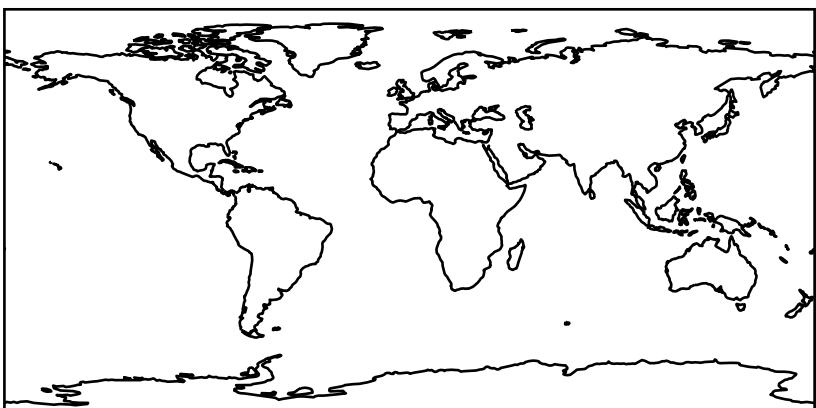
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Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



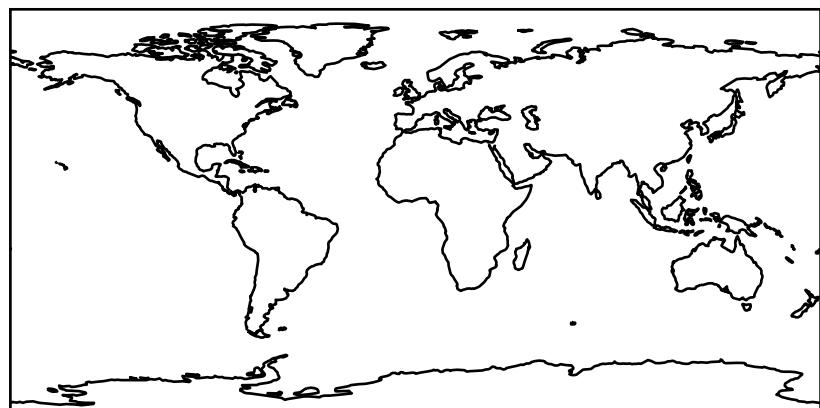
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s-1

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



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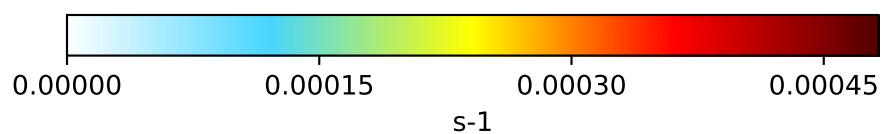
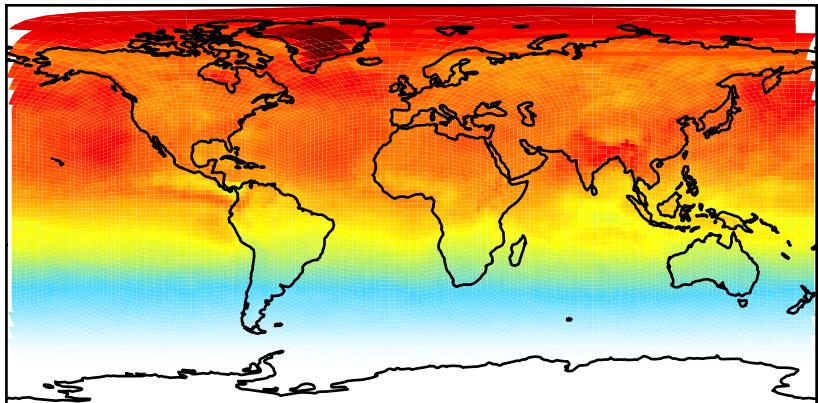
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



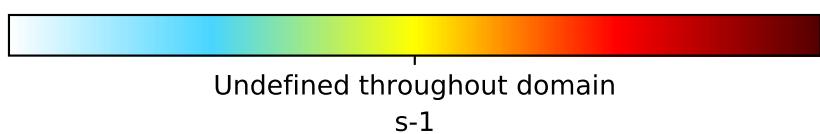
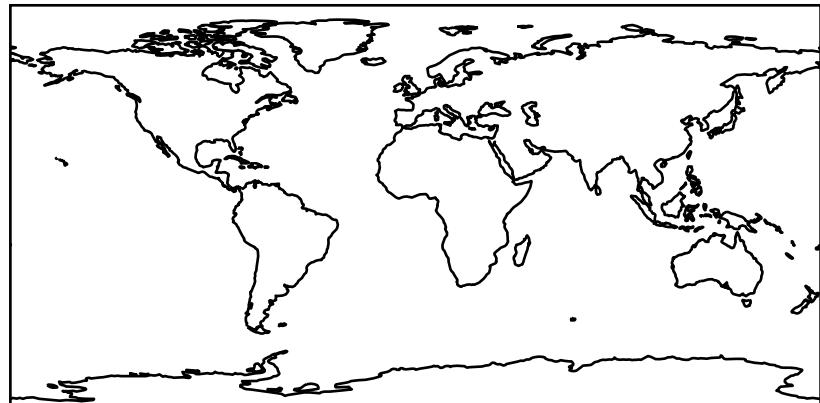
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Jval_CH2IBr

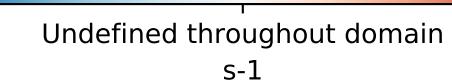
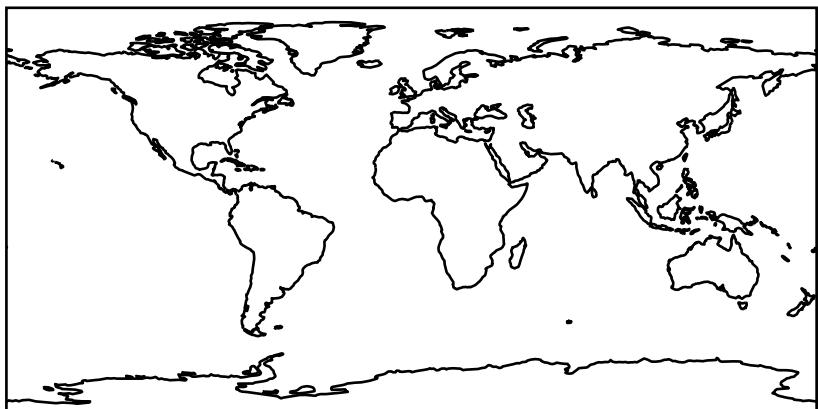
GCHP_12.7.0 (Ref)
c48



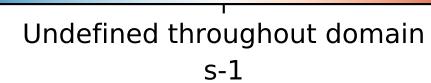
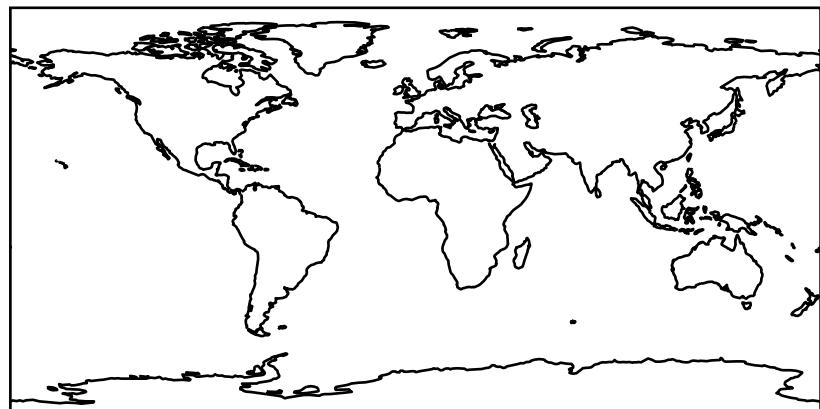
GCHP_12.8.0 (Dev)
c48



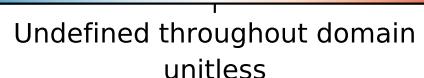
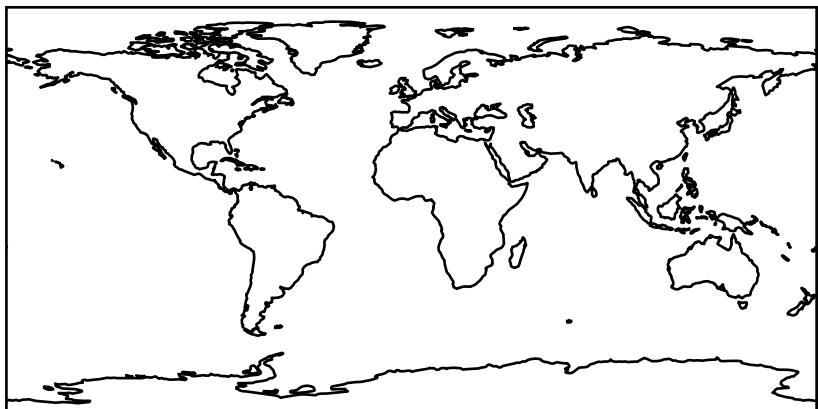
Difference (1x1.25)
Dev - Ref, Dynamic Range



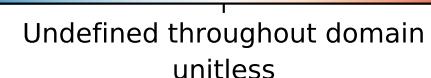
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

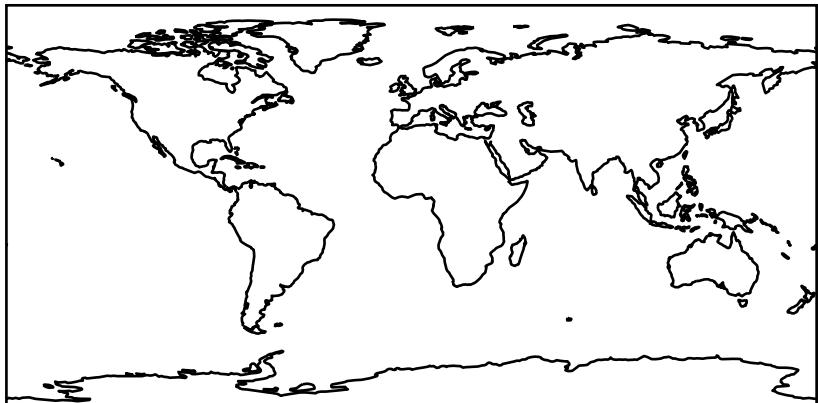


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



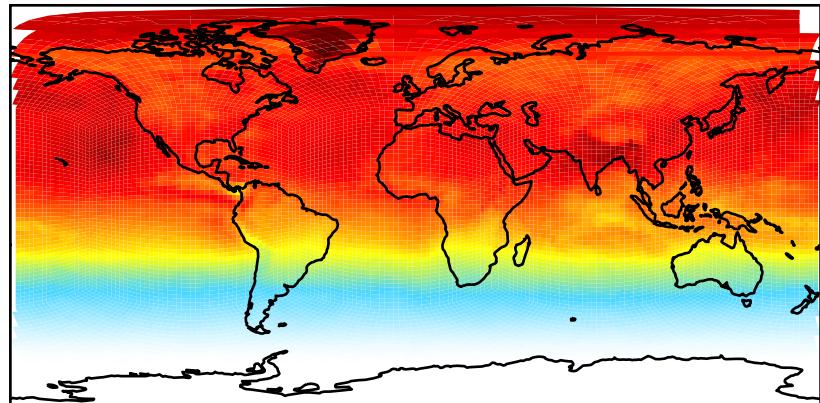
Jval_CH2ICL

GCHP_12.7.0 (Ref)
c48



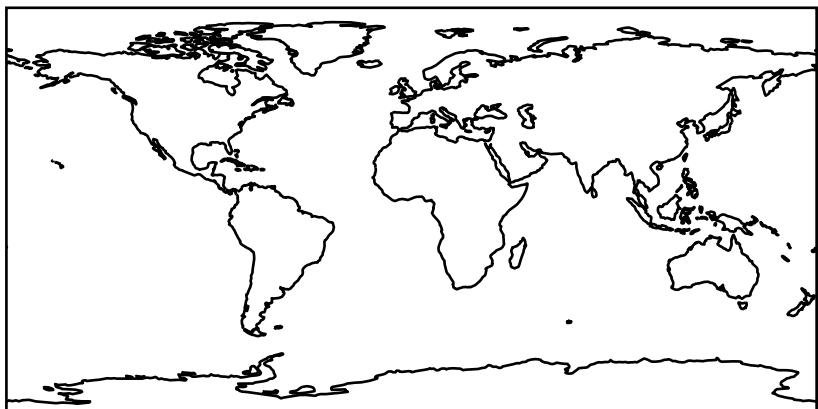
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s-1

GCHP_12.8.0 (Dev)
c48



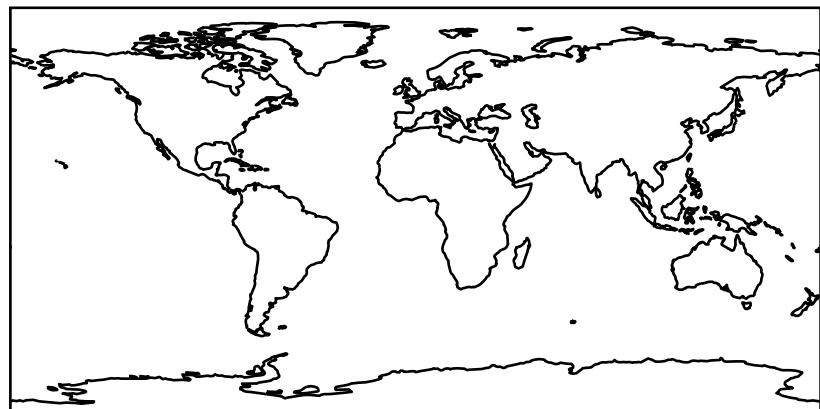
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s-1

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



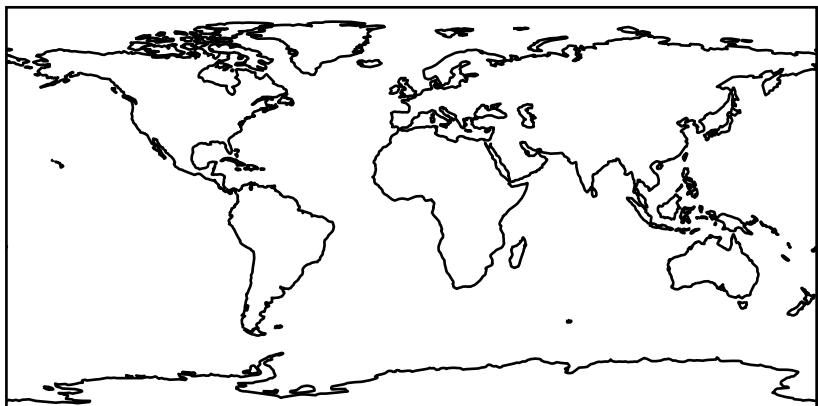
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s-1

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



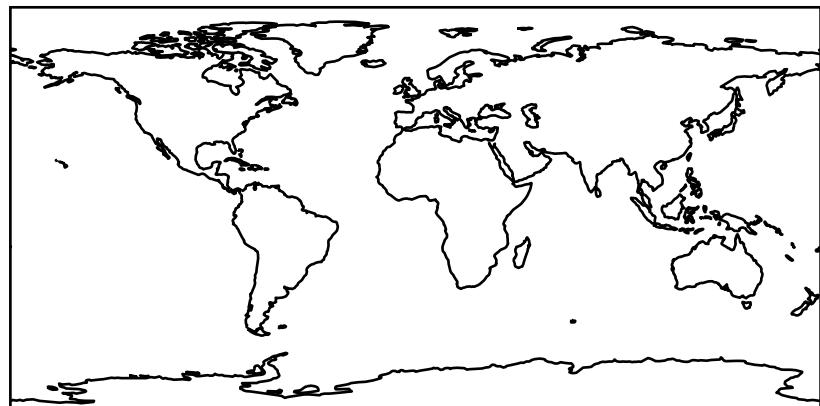
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s-1

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



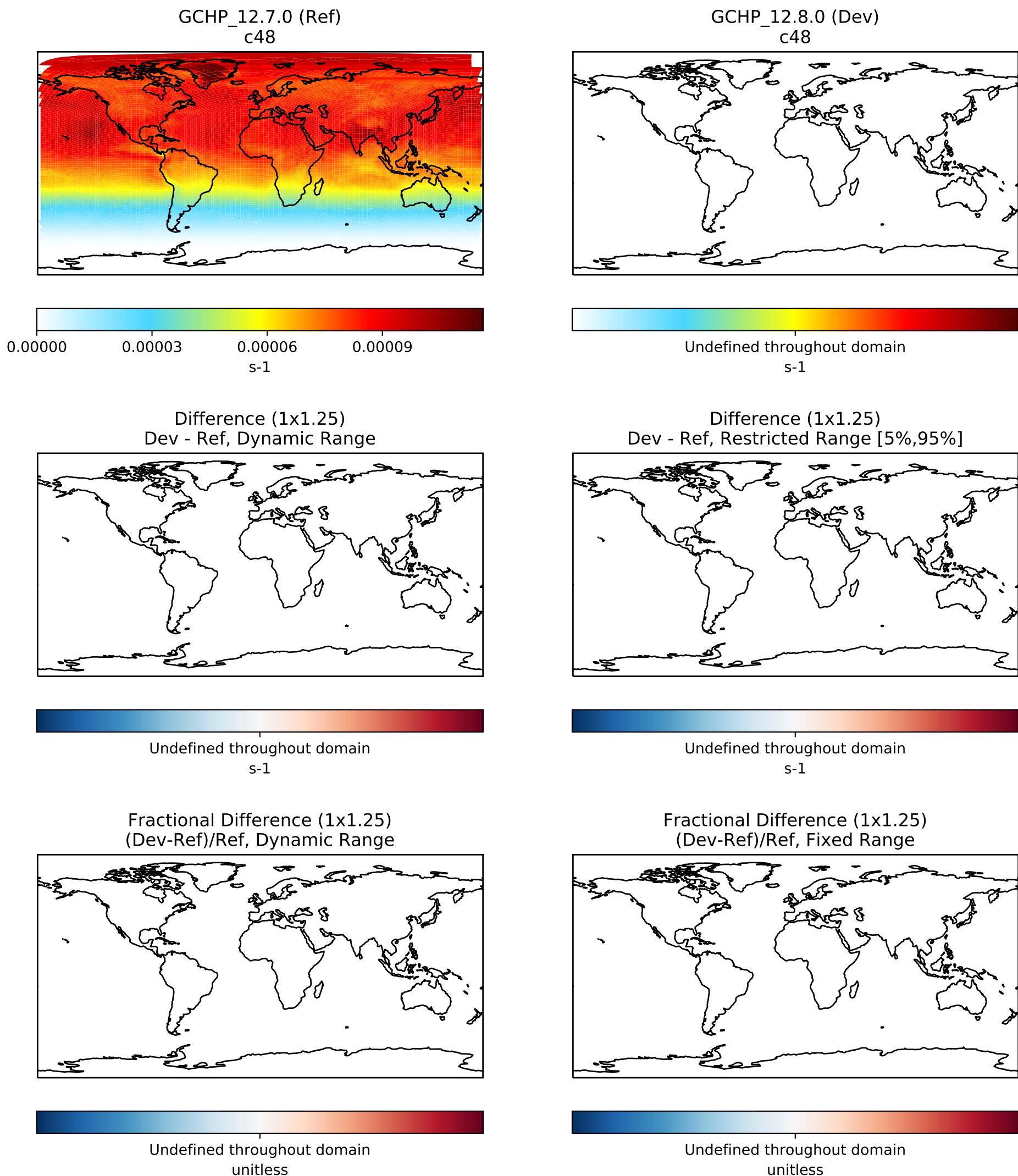
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unitless

Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

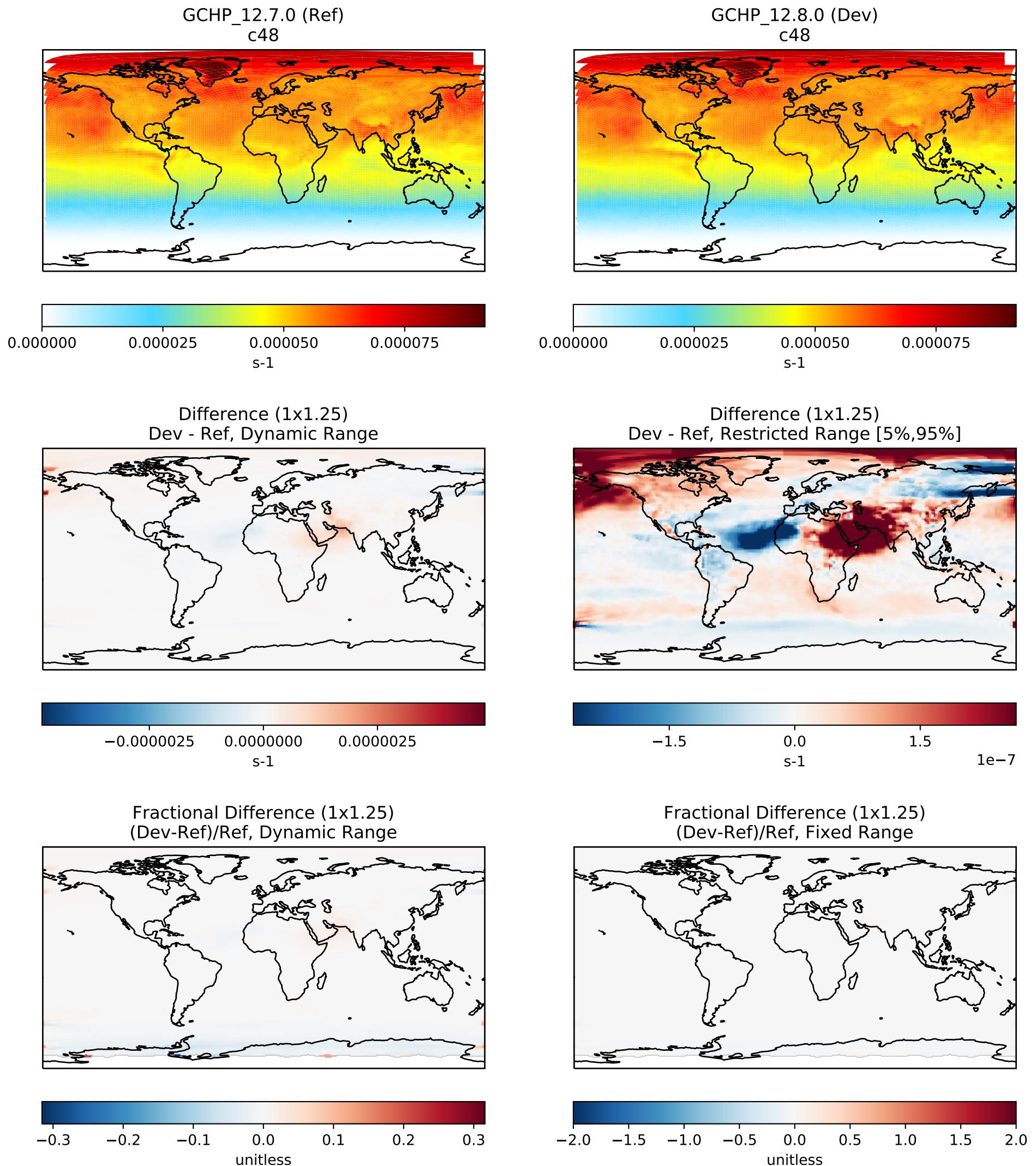


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Jval_CH2ICI

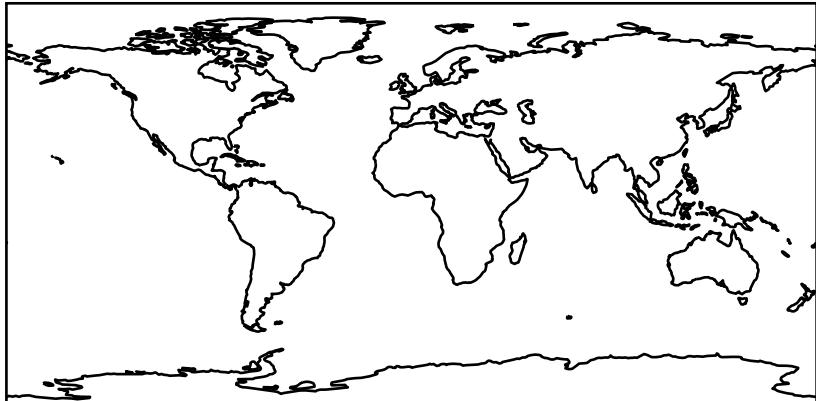


Jval_CH2O



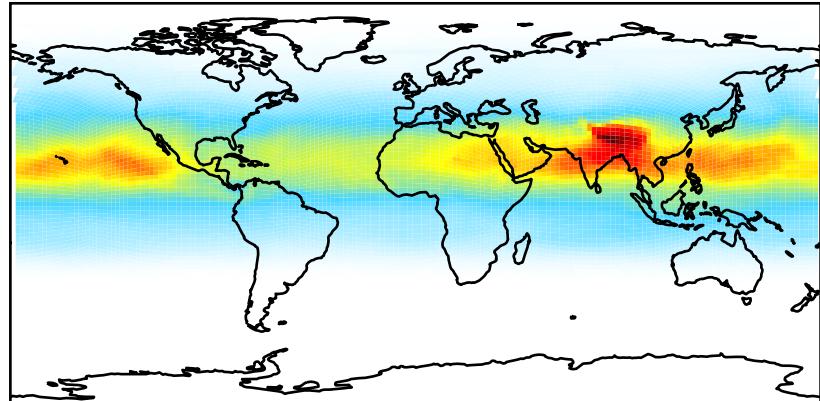
Jval_CH3BR

GCHP_12.7.0 (Ref)
c48



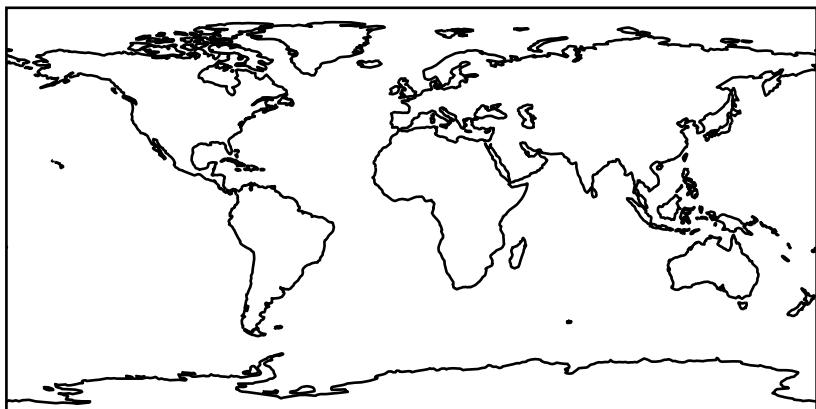
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s-1

GCHP_12.8.0 (Dev)
c48



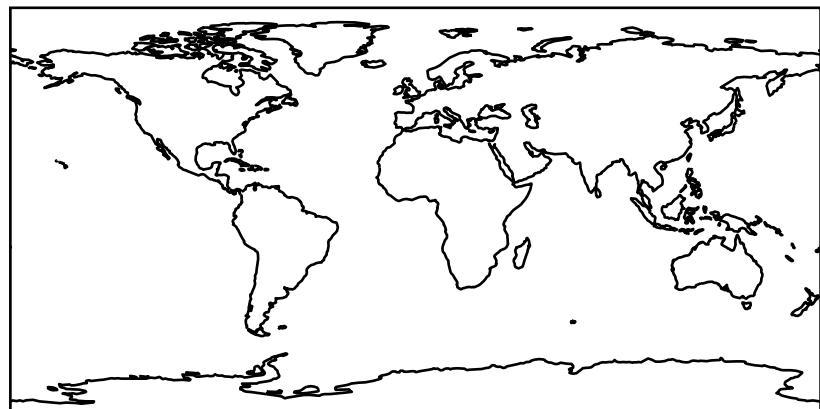
0 1 2 3 1e-13
s-1

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



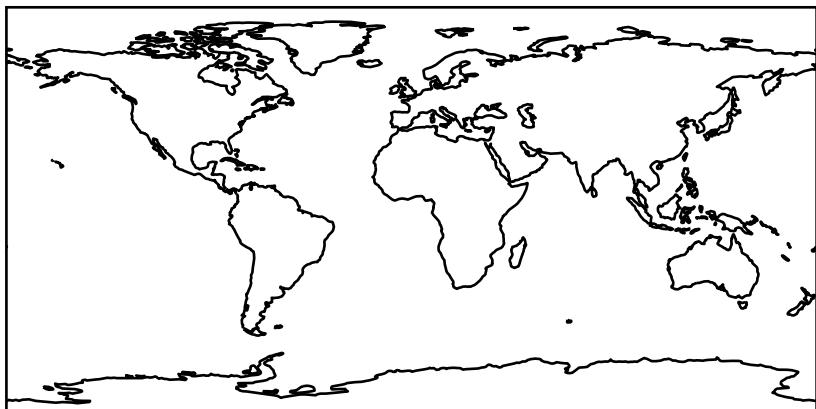
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s-1

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



Undefined throughout domain
s-1

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



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unitless

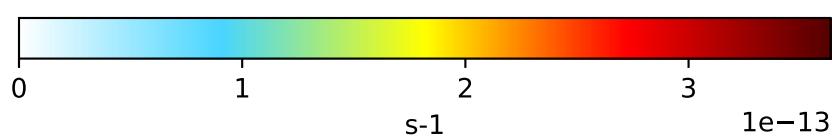
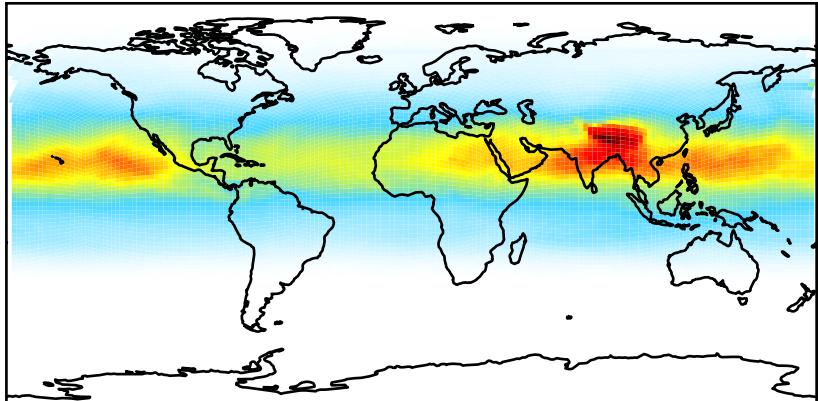
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



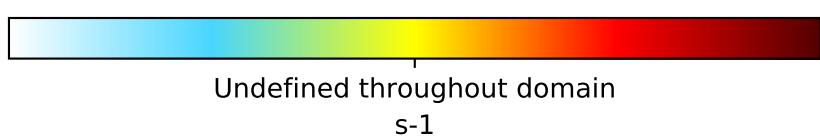
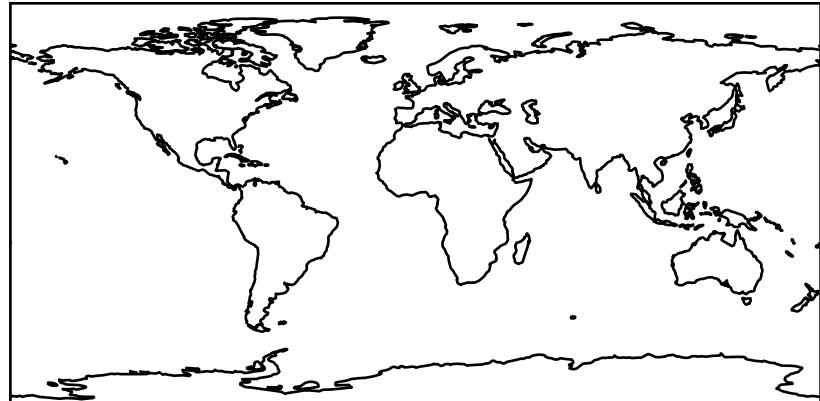
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Jval_CH3Br

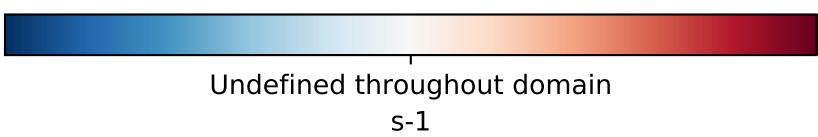
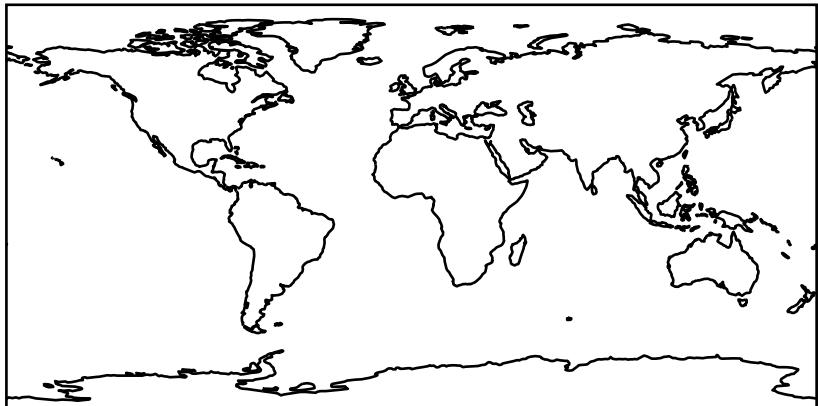
GCHP_12.7.0 (Ref)
c48



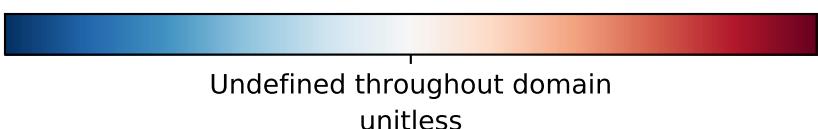
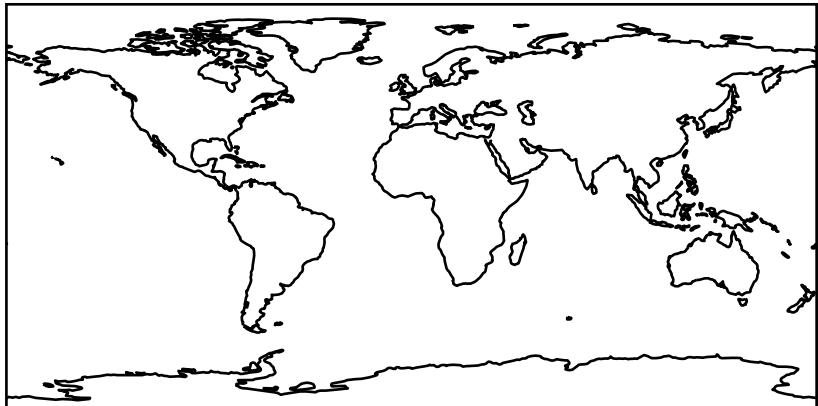
GCHP_12.8.0 (Dev)
c48



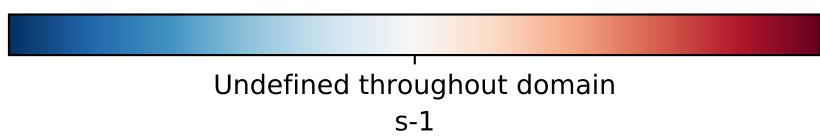
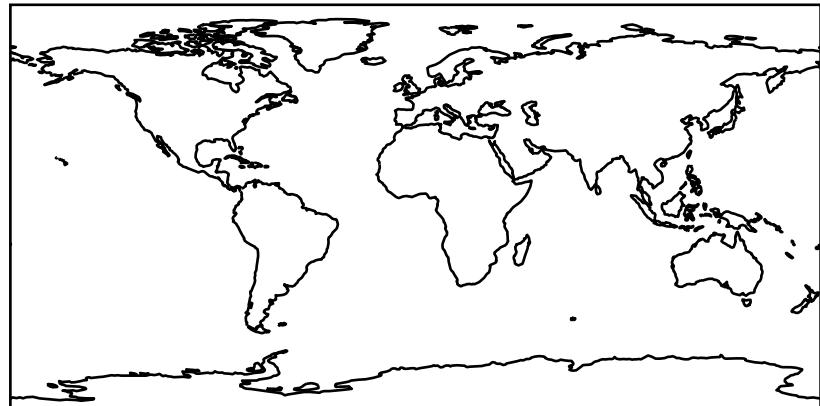
Difference (1x1.25)
Dev - Ref, Dynamic Range



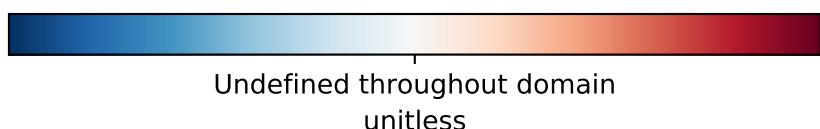
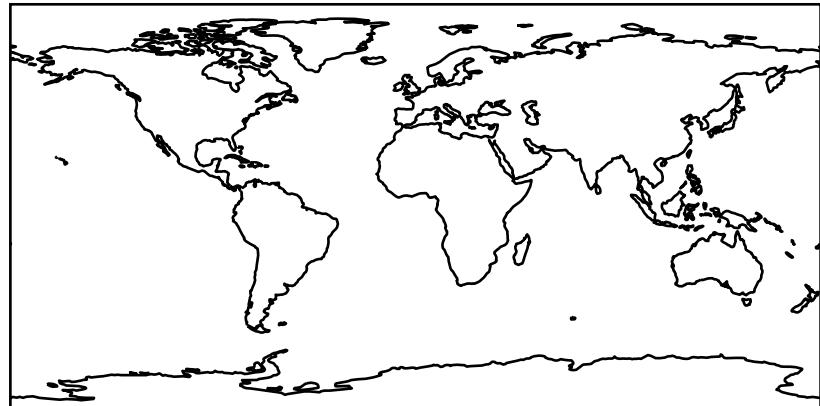
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



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

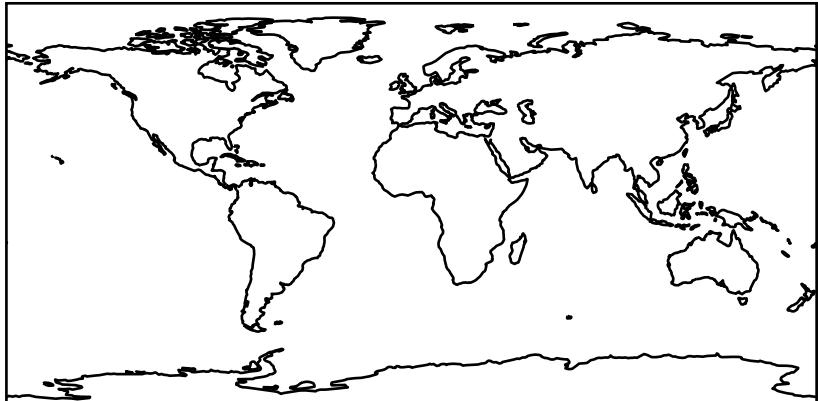


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



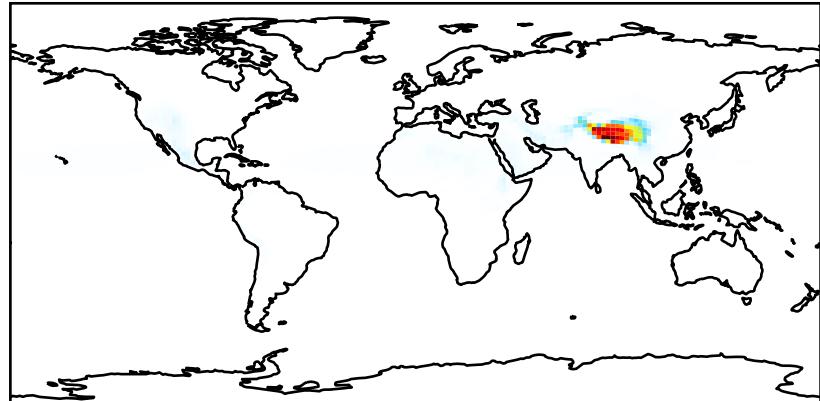
Jval_CH3CCL3

GCHP_12.7.0 (Ref)
c48



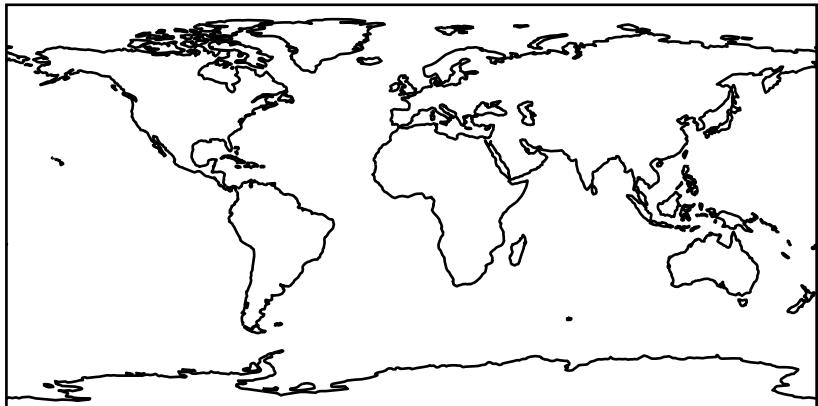
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s⁻¹

GCHP_12.8.0 (Dev)
c48



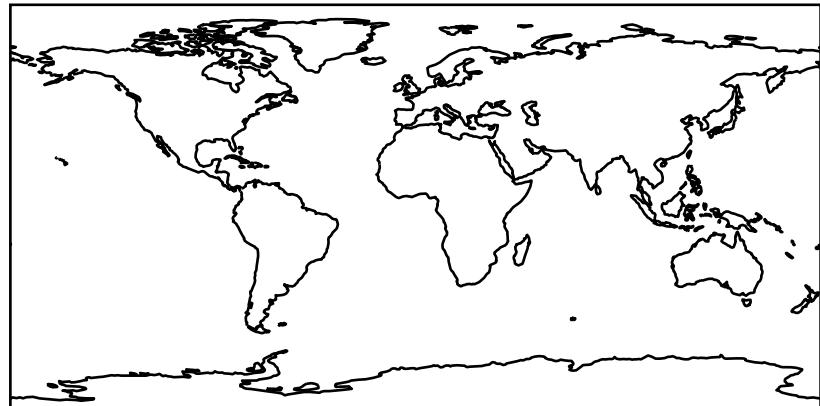
0 2 4 6 1e-14
s⁻¹

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



Undefined throughout domain
s⁻¹

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



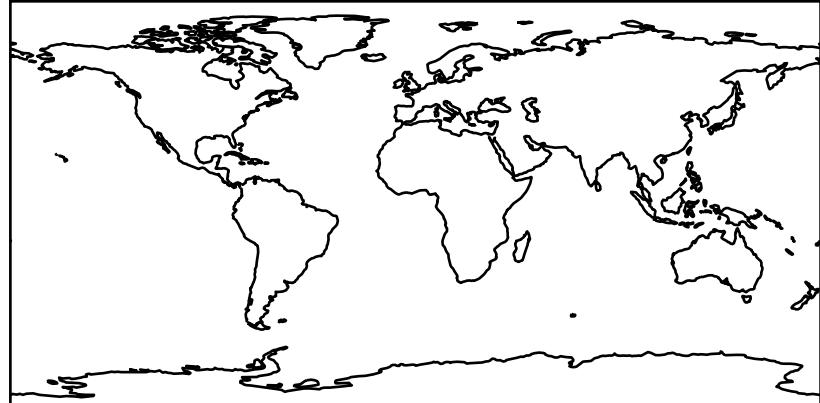
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s⁻¹

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



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unitless

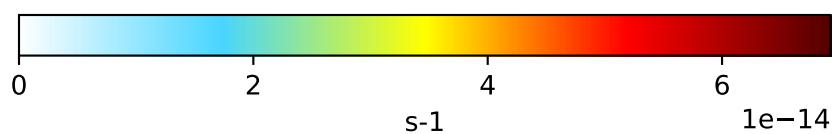
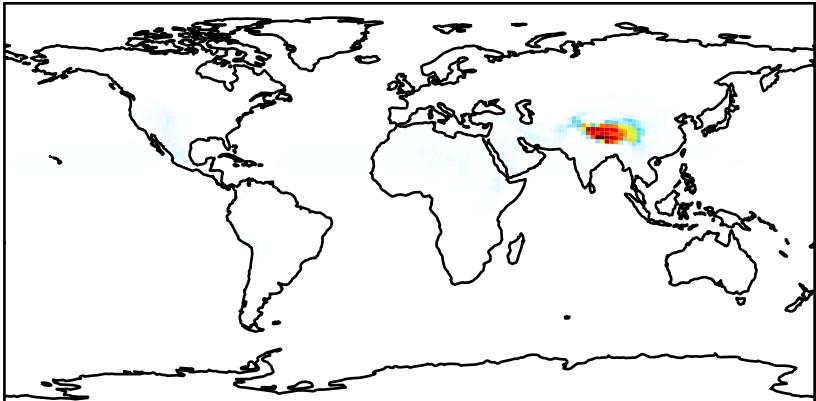
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



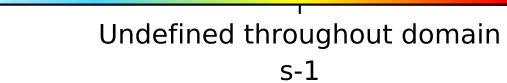
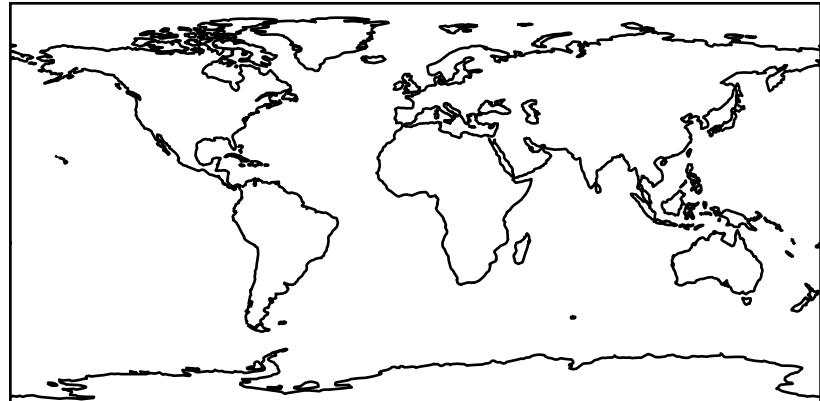
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Jval_CH3CCl3

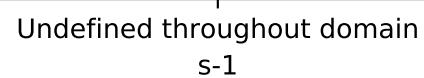
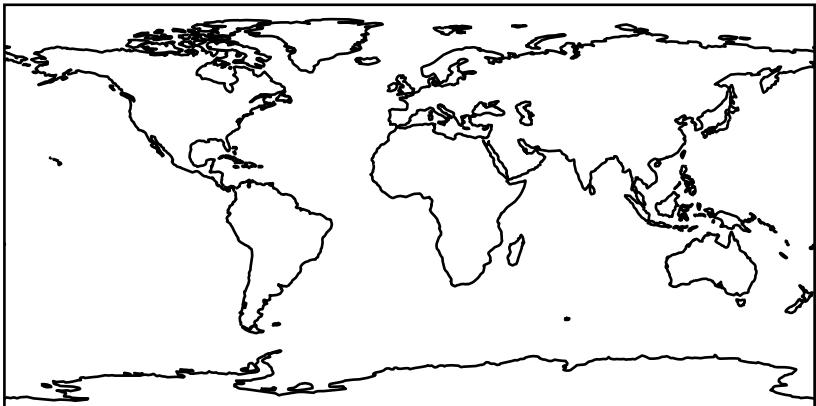
GCHP_12.7.0 (Ref)
c48



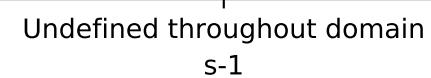
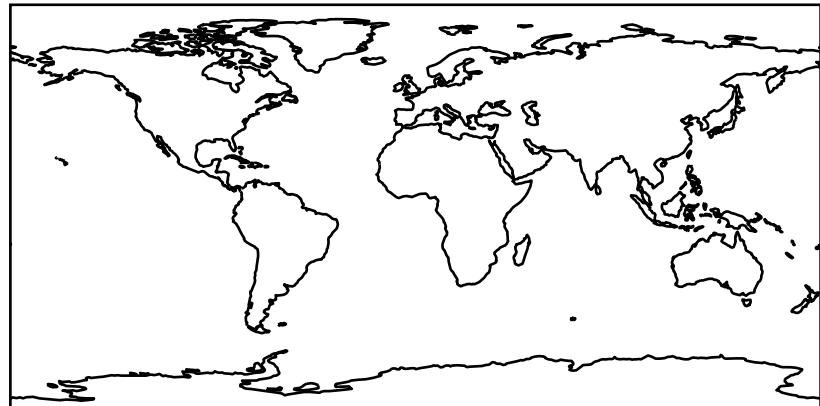
GCHP_12.8.0 (Dev)
c48



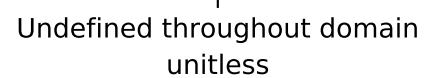
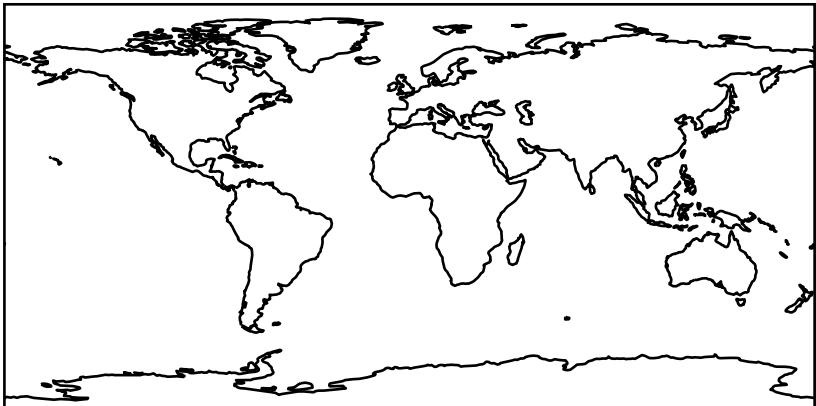
Difference (1x1.25)
Dev - Ref, Dynamic Range



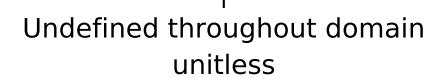
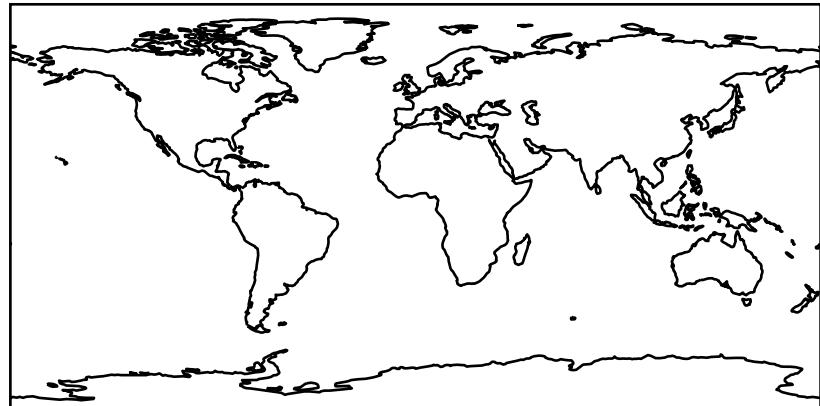
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

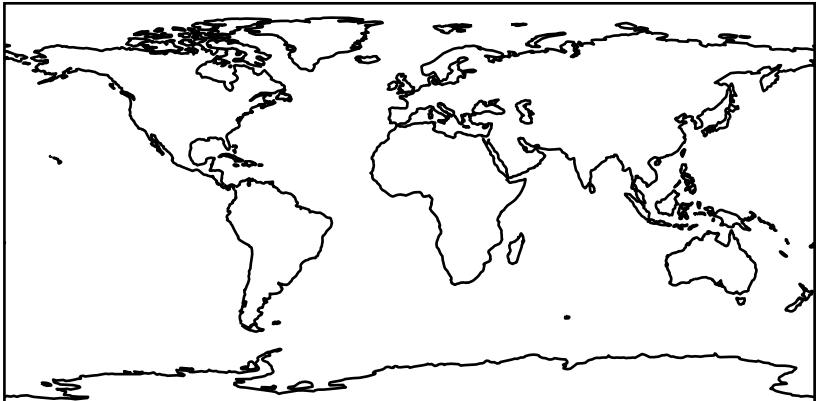


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



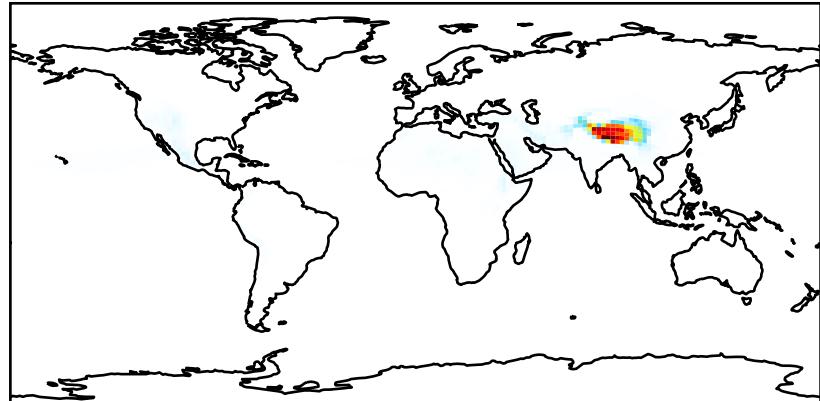
Jval_CH3CL

GCHP_12.7.0 (Ref)
c48



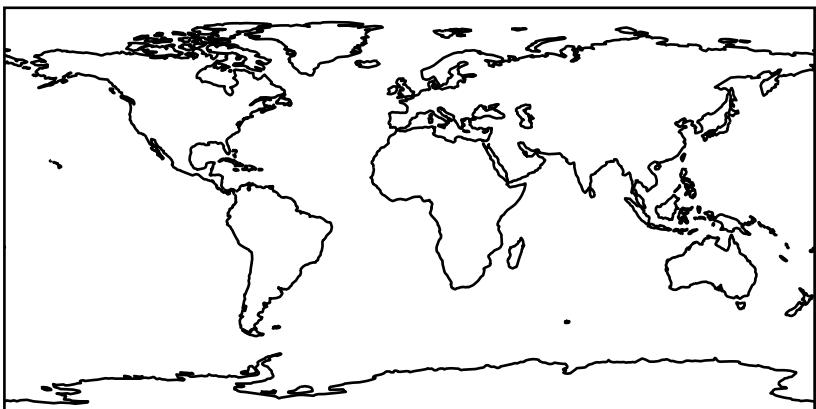
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s-1

GCHP_12.8.0 (Dev)
c48



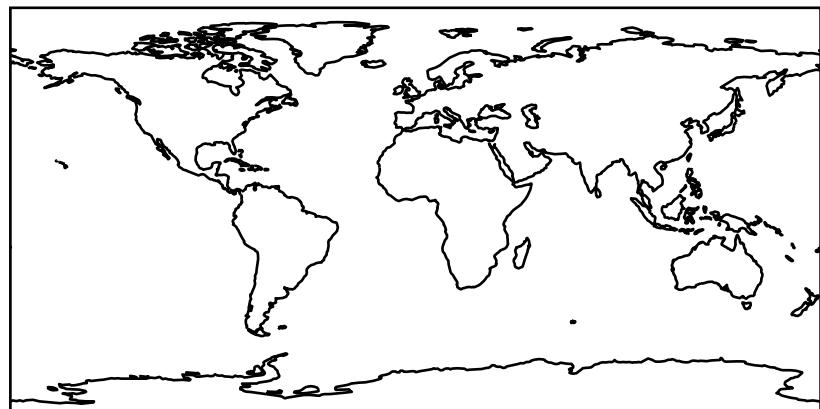
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Difference (1x1.25)
Dev - Ref, Dynamic Range



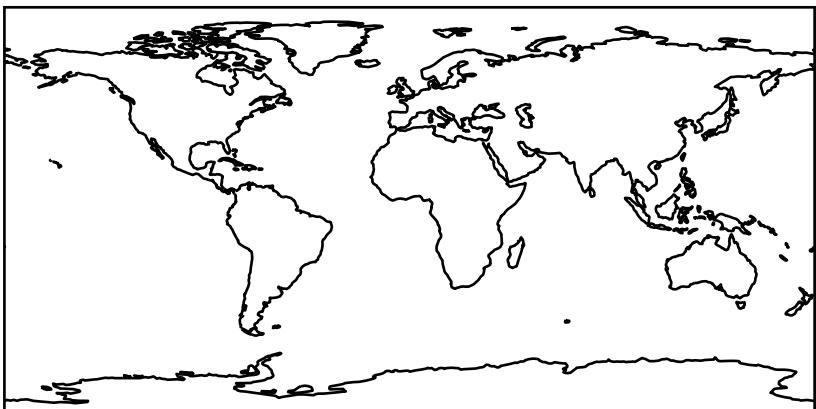
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s-1

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



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s-1

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



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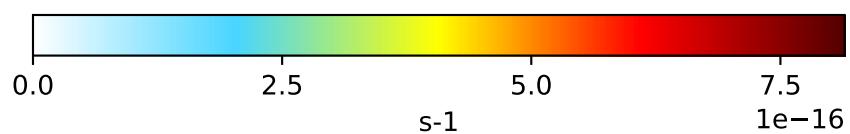
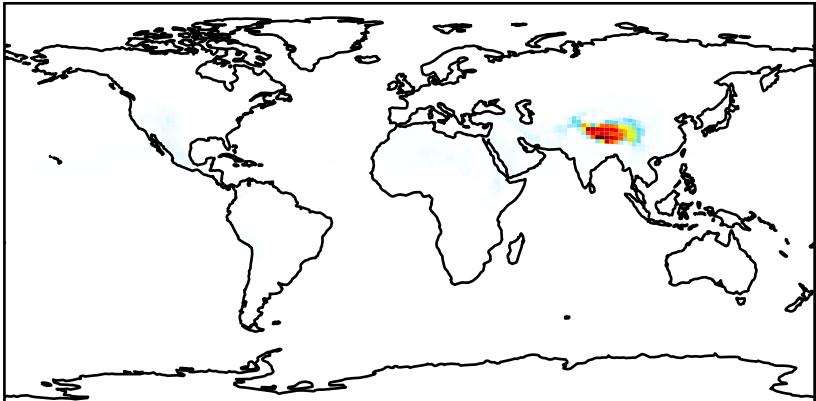
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



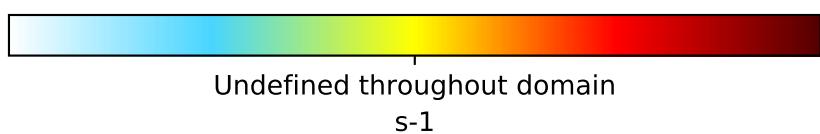
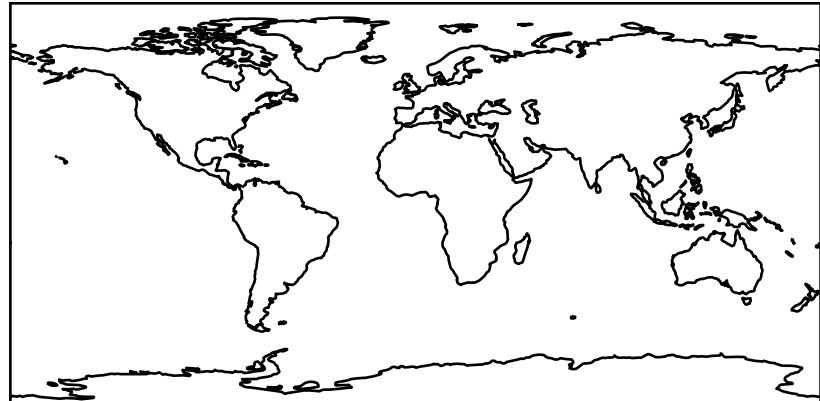
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Jval_CH3Cl

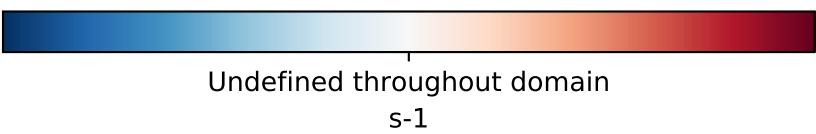
GCHP_12.7.0 (Ref)
c48



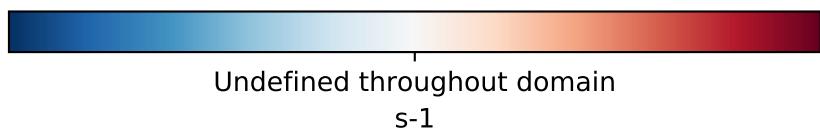
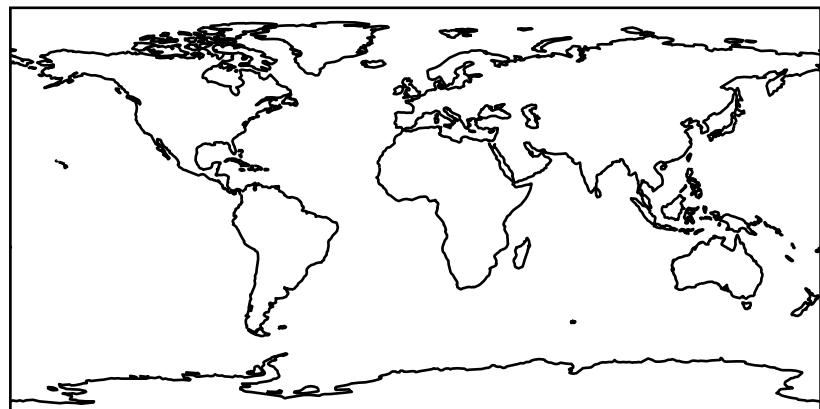
GCHP_12.8.0 (Dev)
c48



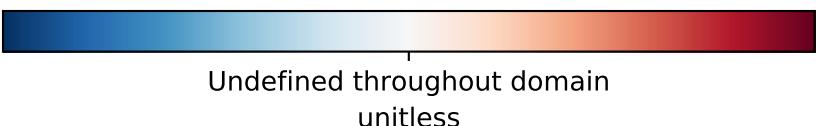
Difference (1x1.25)
Dev - Ref, Dynamic Range



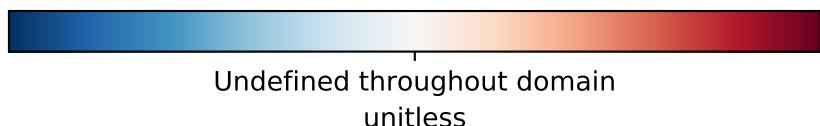
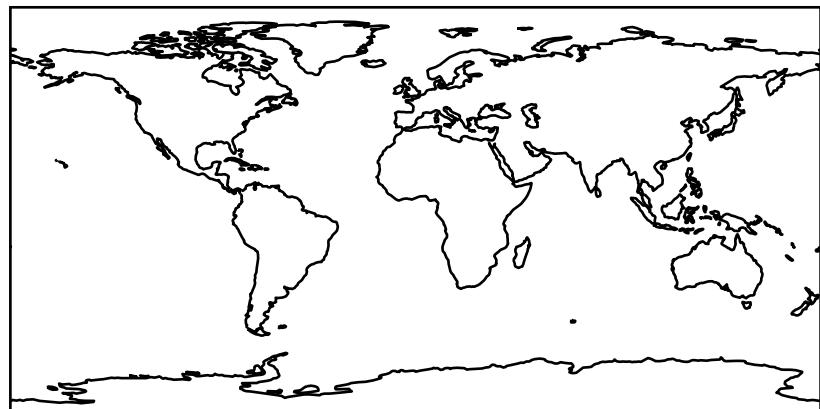
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



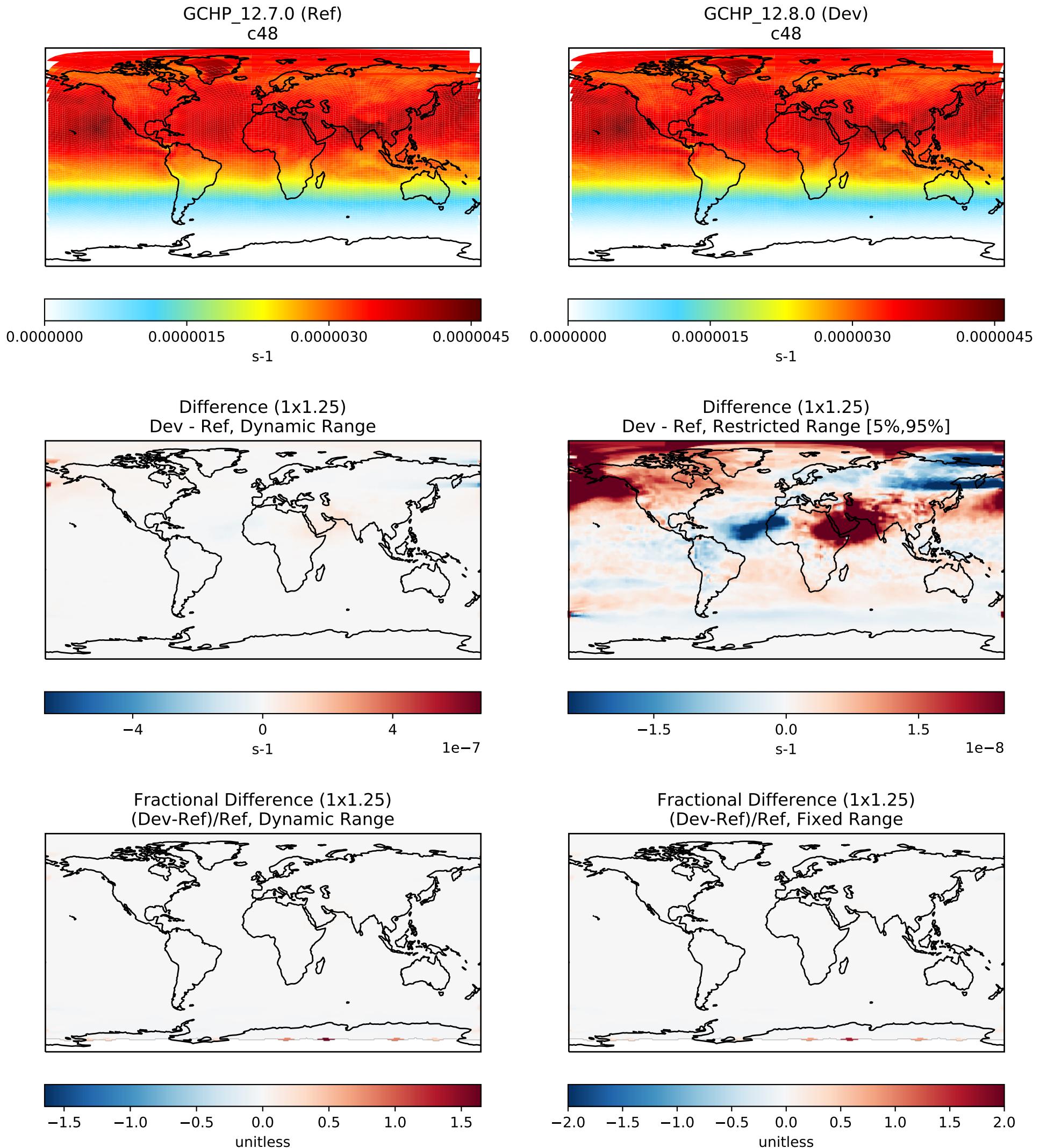
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

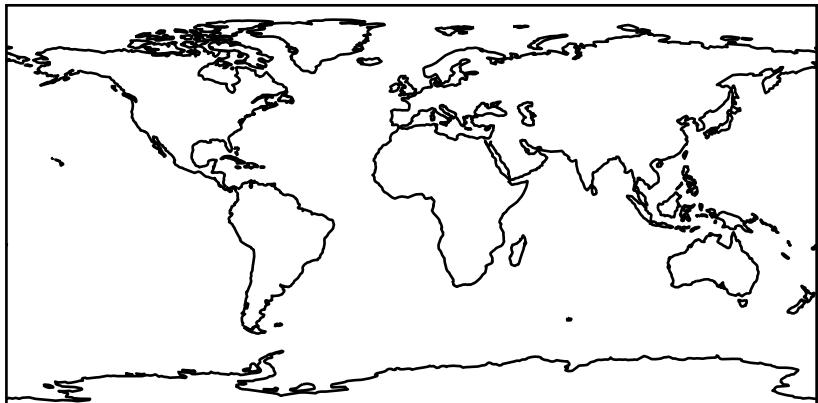


Jval_CH3I

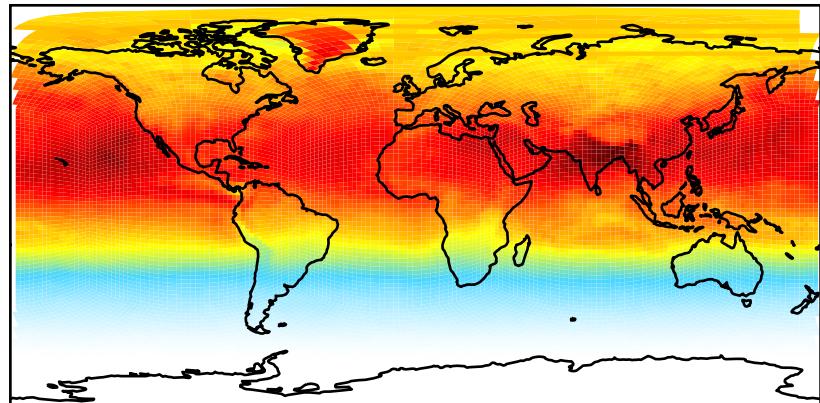


Jval_CHBR3

GCHP_12.7.0 (Ref)
c48



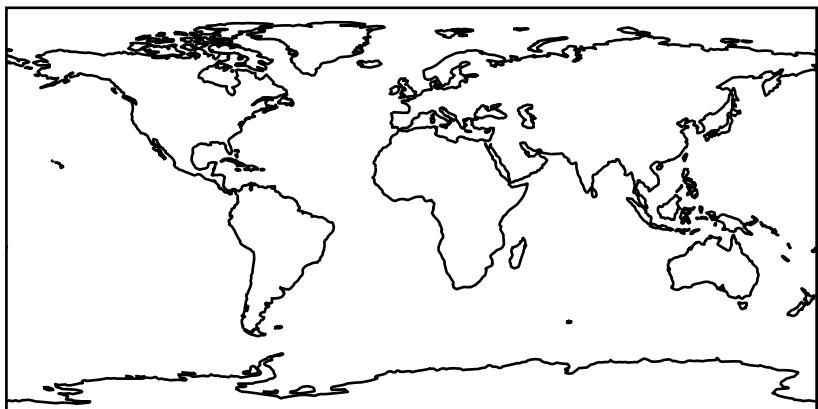
GCHP_12.8.0 (Dev)
c48



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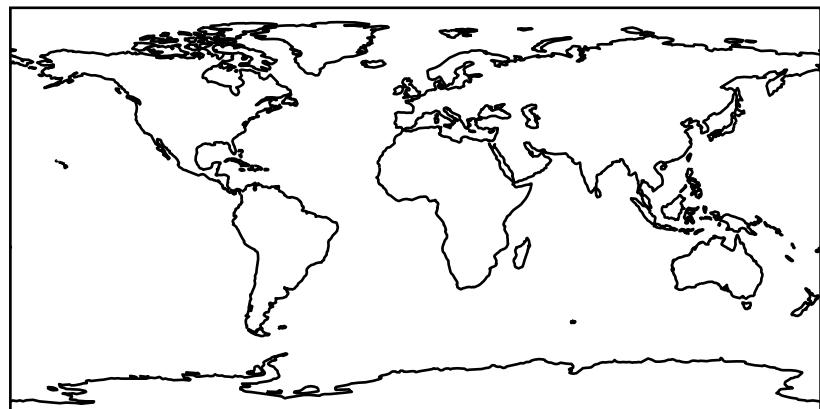
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Difference (1x1.25)
Dev - Ref, Dynamic Range



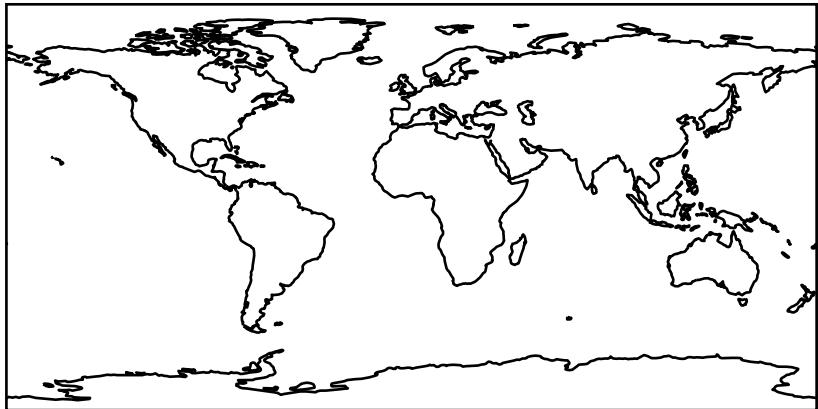
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Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



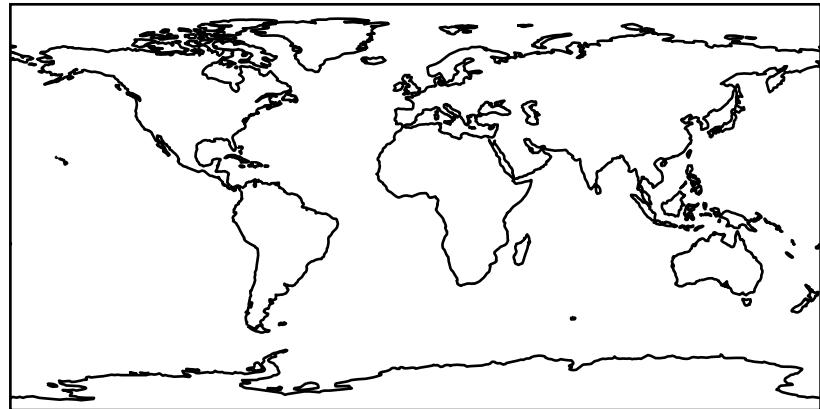
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



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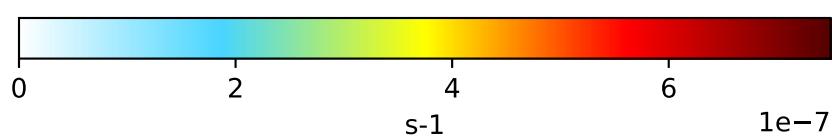
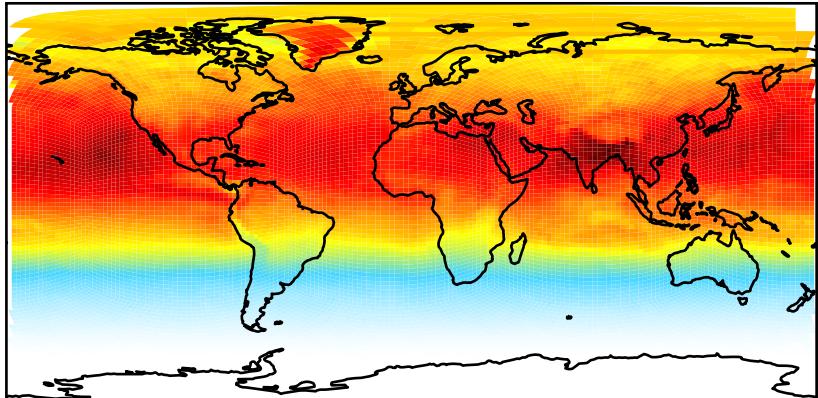
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



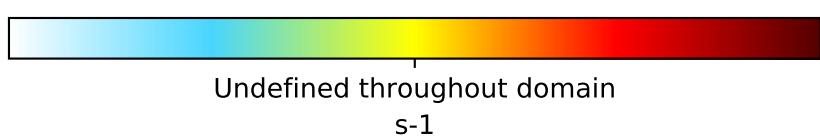
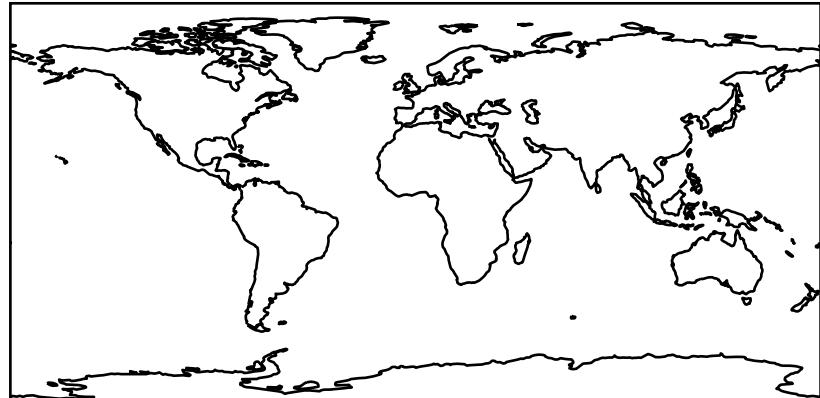
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Jval_CHBr3

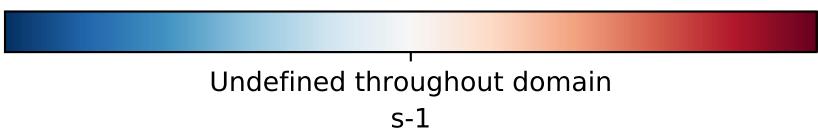
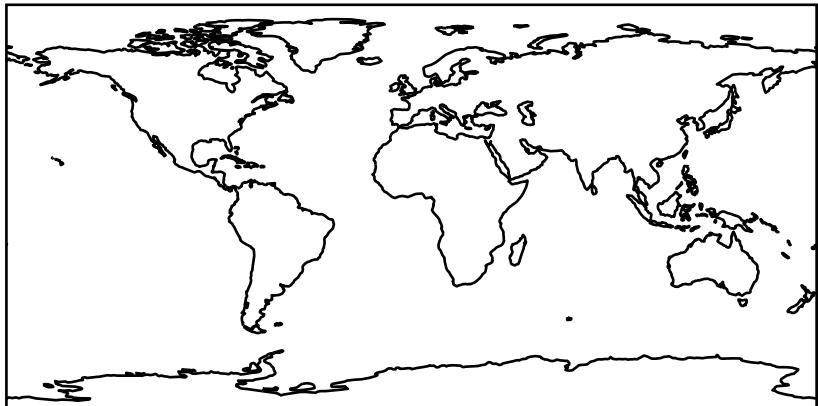
GCHP_12.7.0 (Ref)
c48



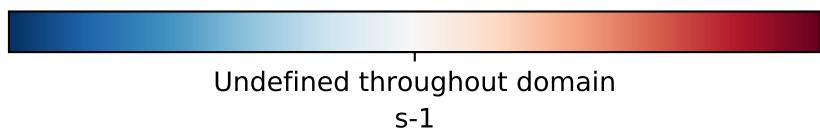
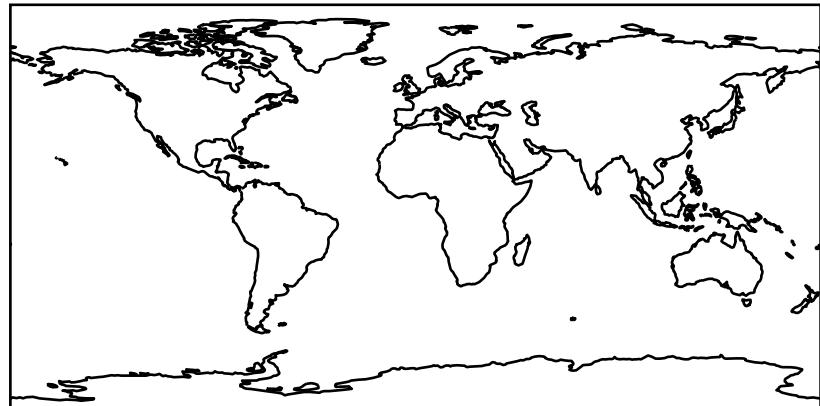
GCHP_12.8.0 (Dev)
c48



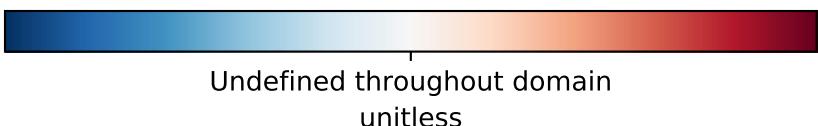
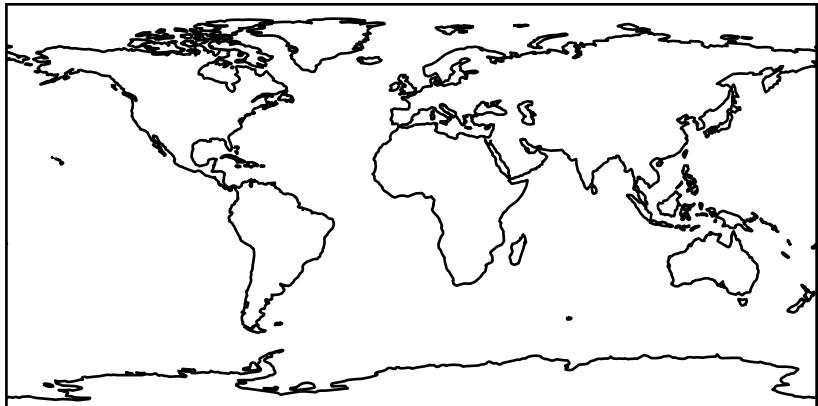
Difference (1x1.25)
Dev - Ref, Dynamic Range



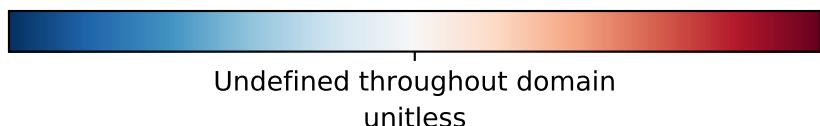
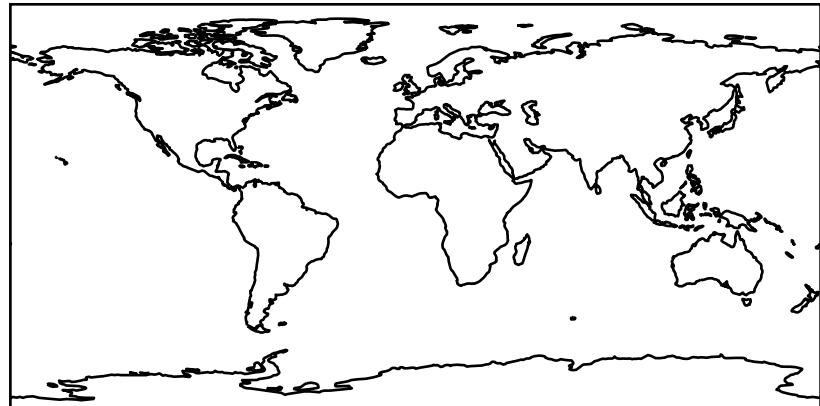
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

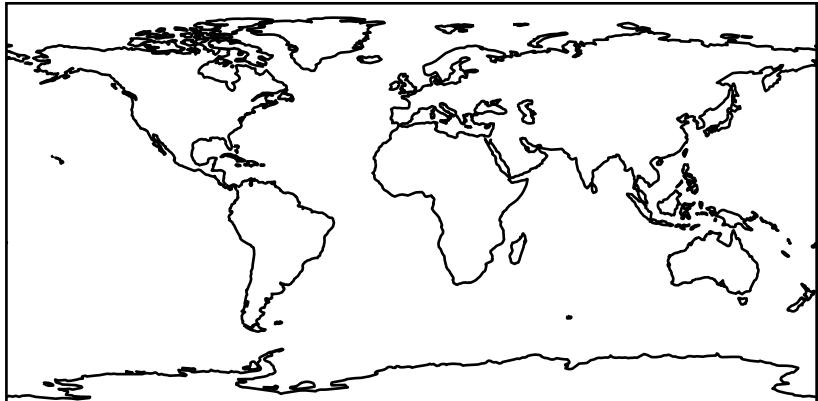


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



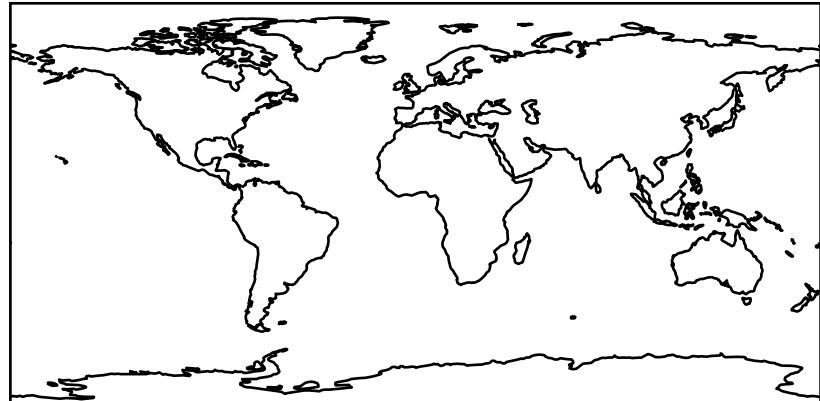
Jval_CHCL3

GCHP_12.7.0 (Ref)
c48



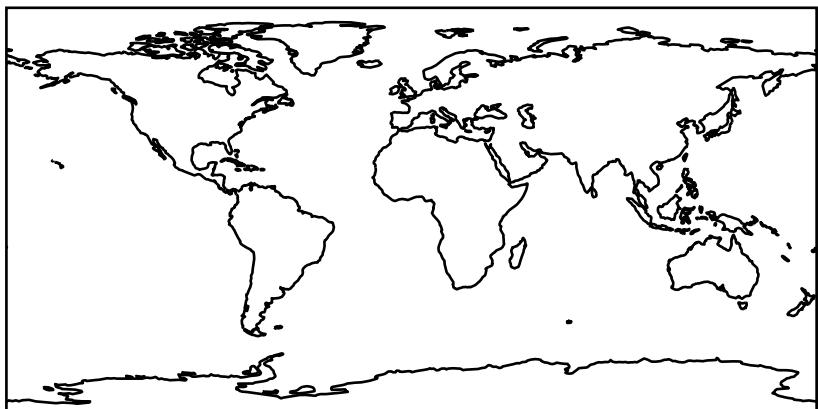
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GCHP_12.8.0 (Dev)
c48



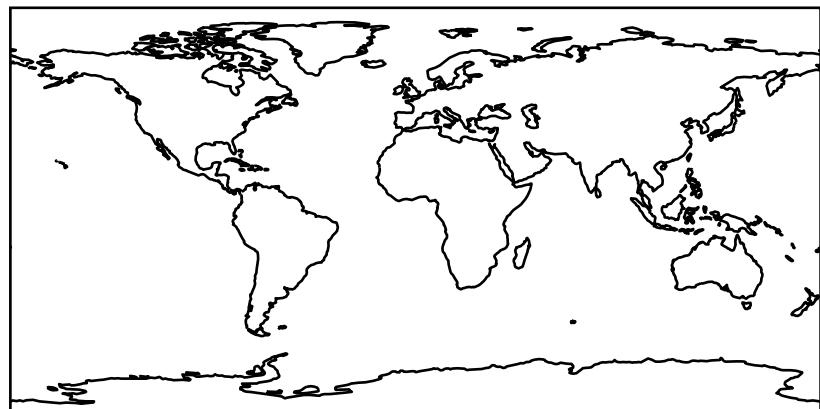
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Difference (1x1.25)
Dev - Ref, Dynamic Range



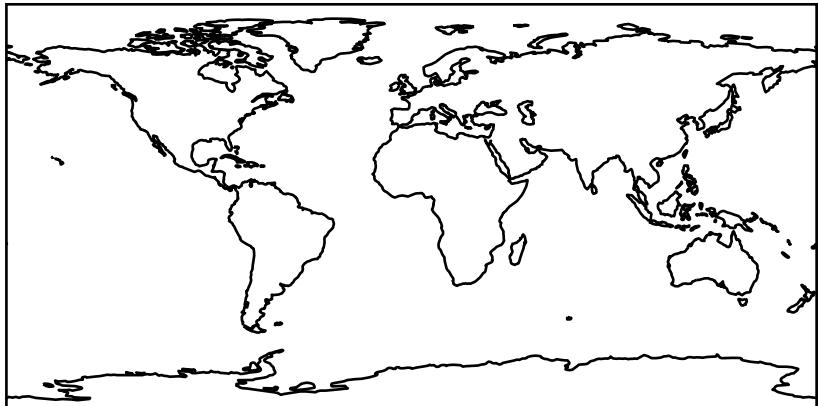
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Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



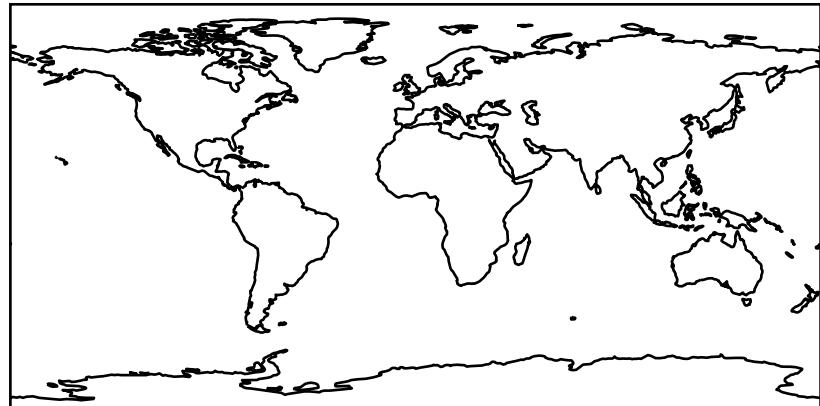
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



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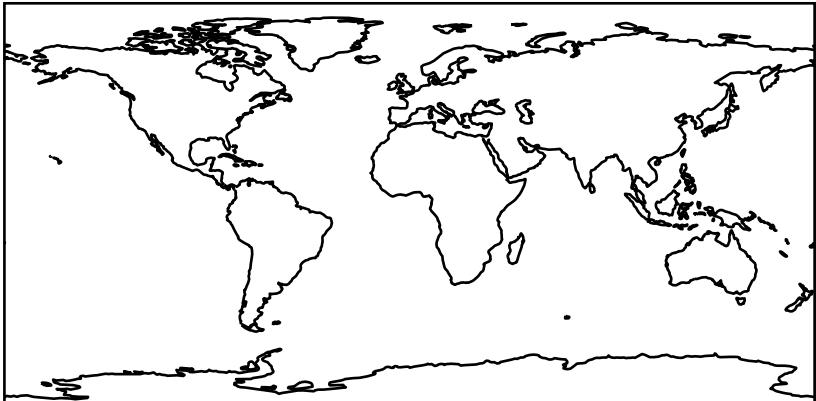
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



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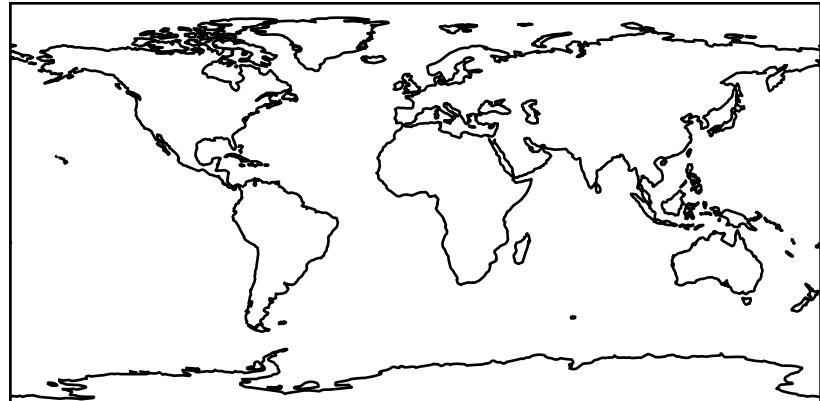
Jval_CHCl3

GCHP_12.7.0 (Ref)
c48



Zero throughout domain
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GCHP_12.8.0 (Dev)
c48



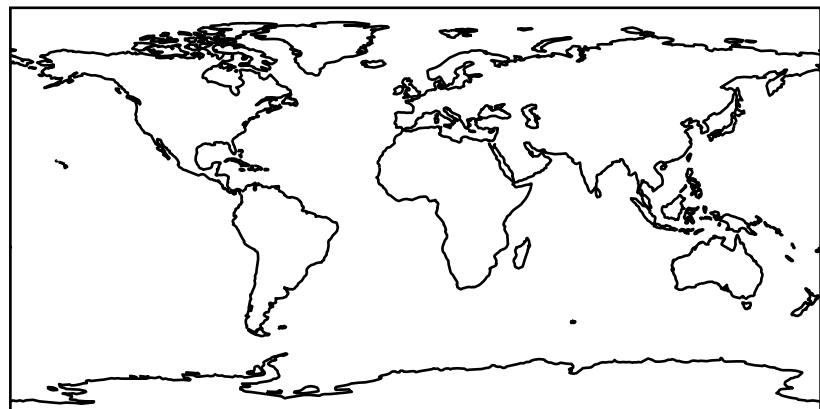
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Difference (1x1.25)
Dev - Ref, Dynamic Range



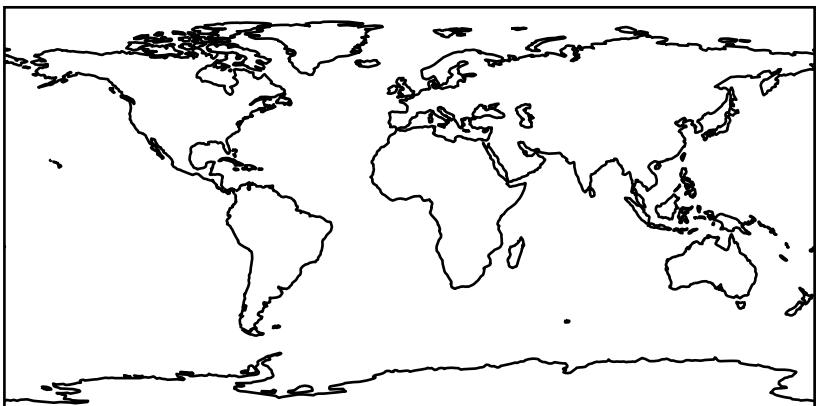
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Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



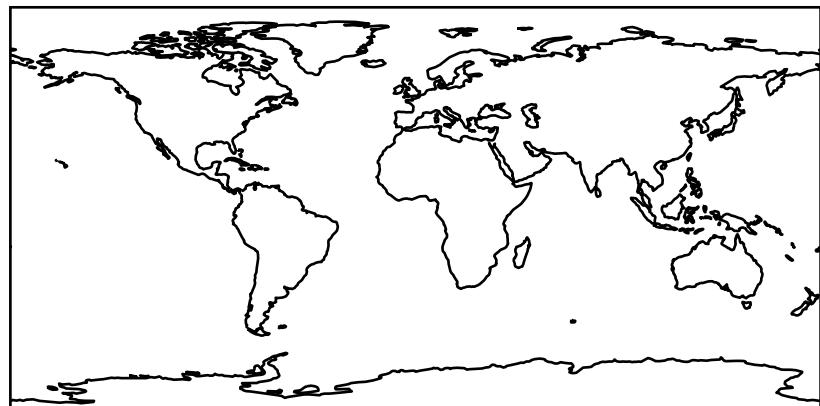
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



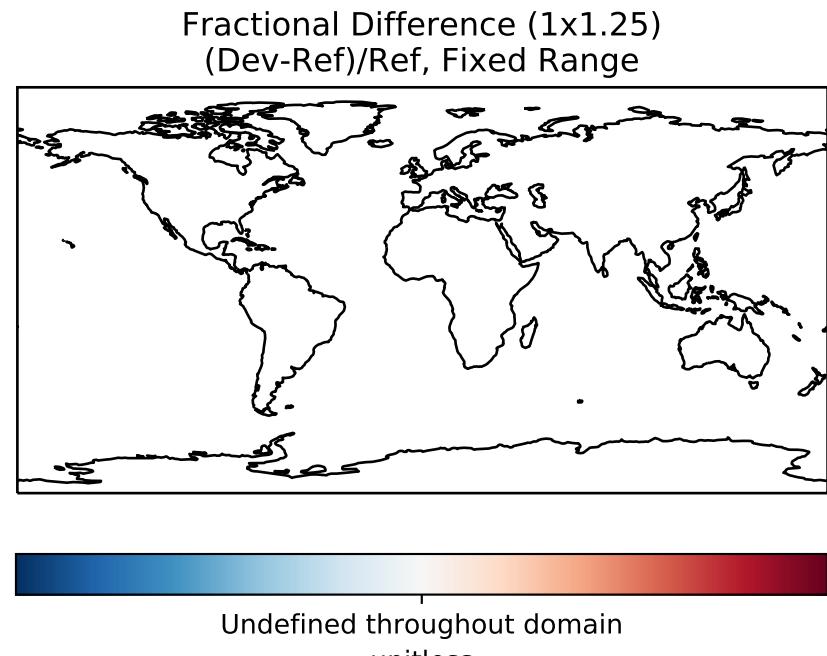
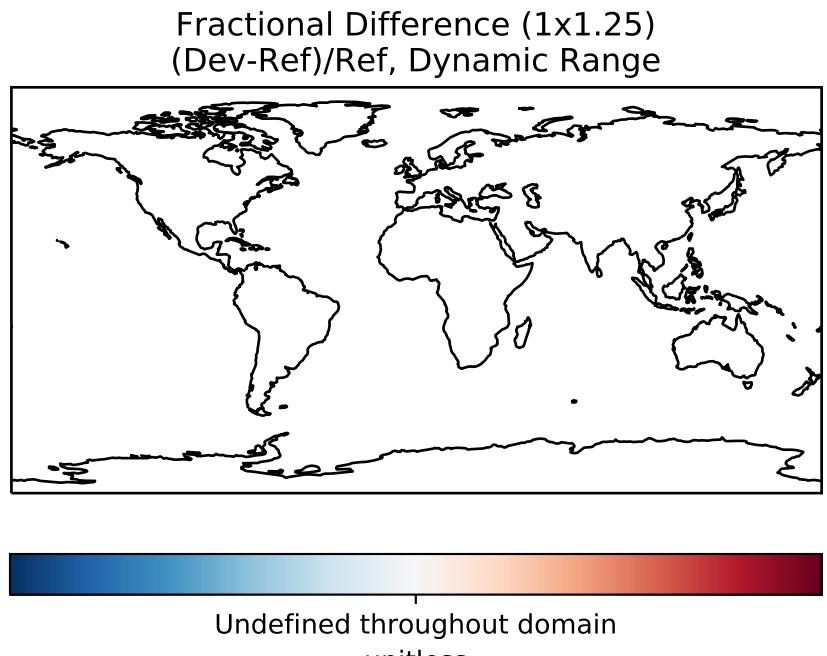
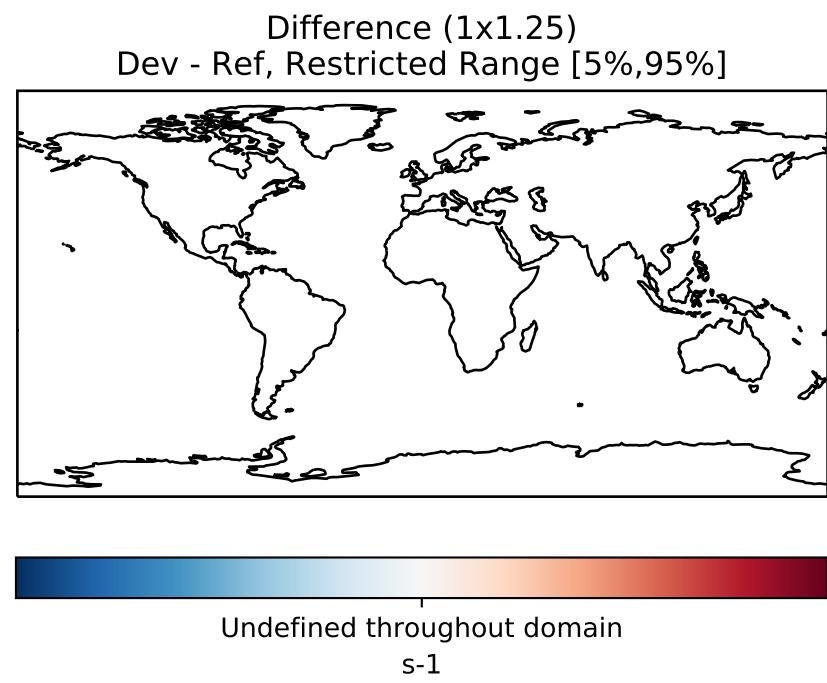
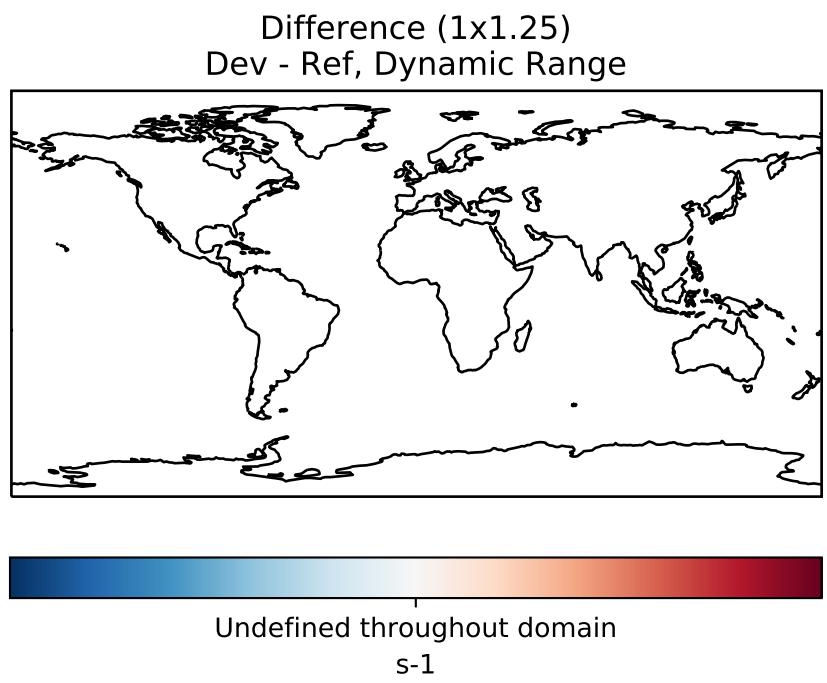
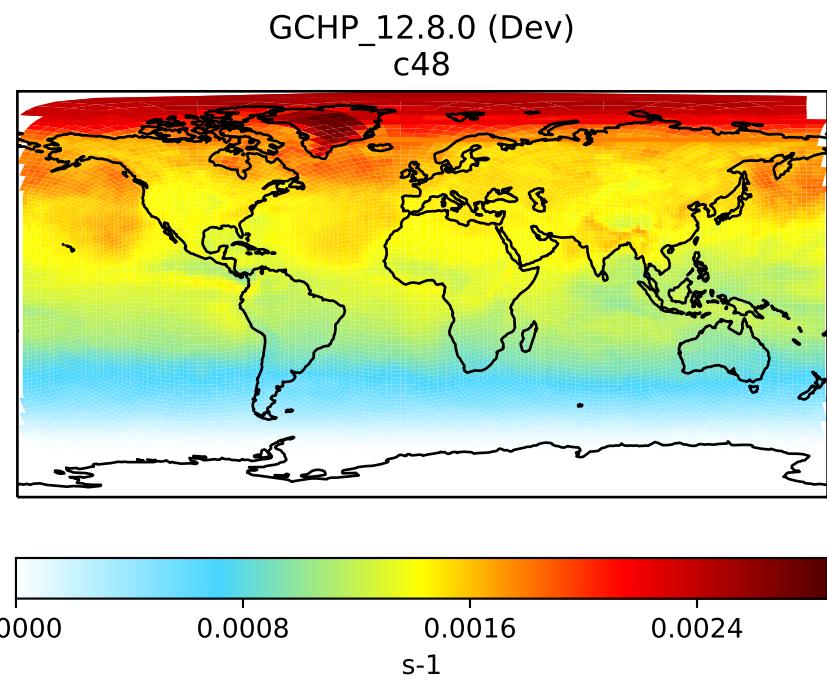
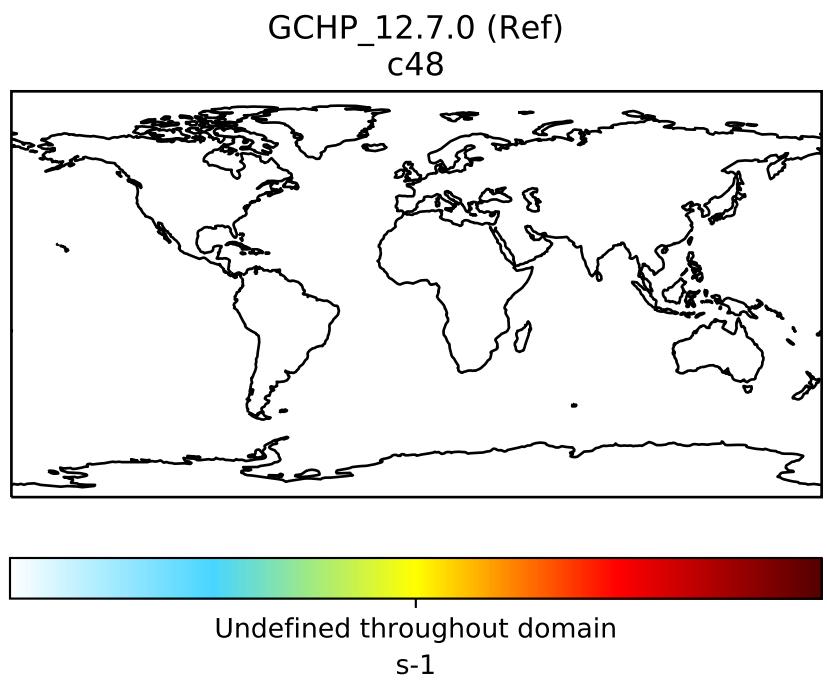
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

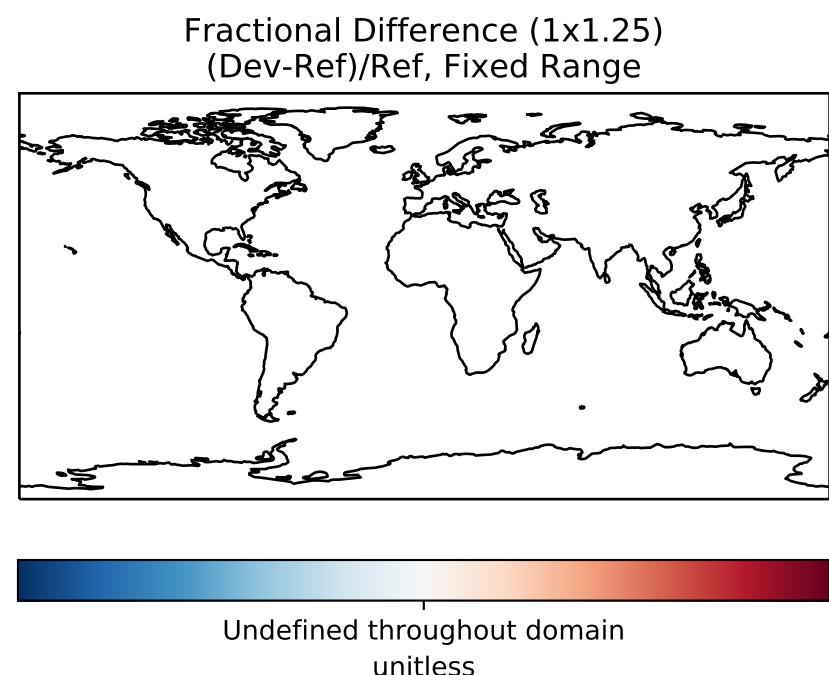
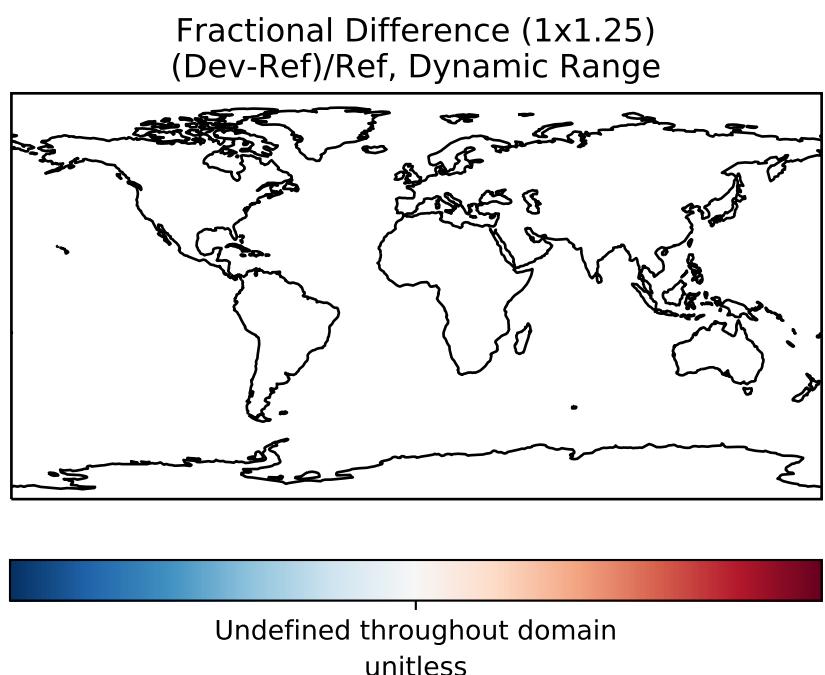
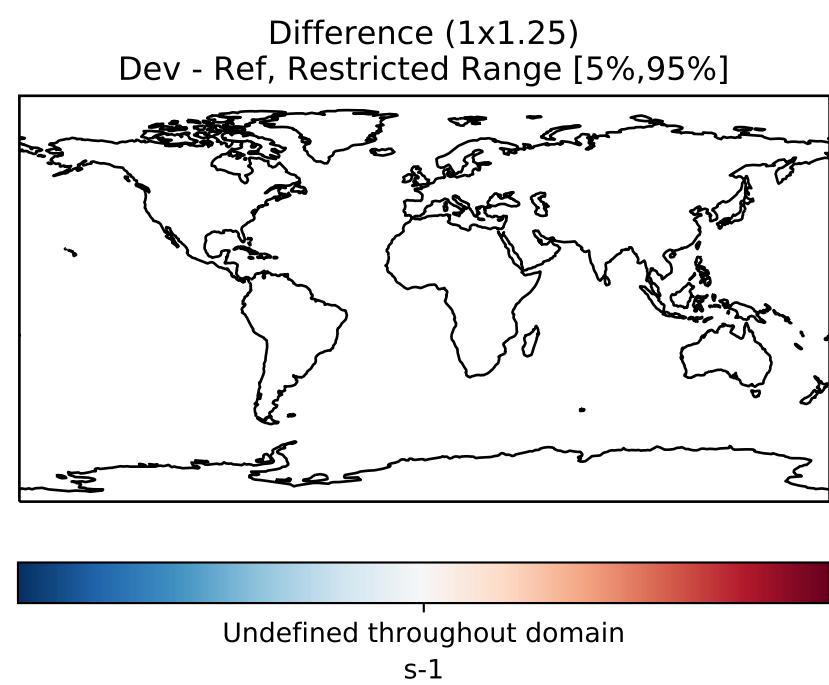
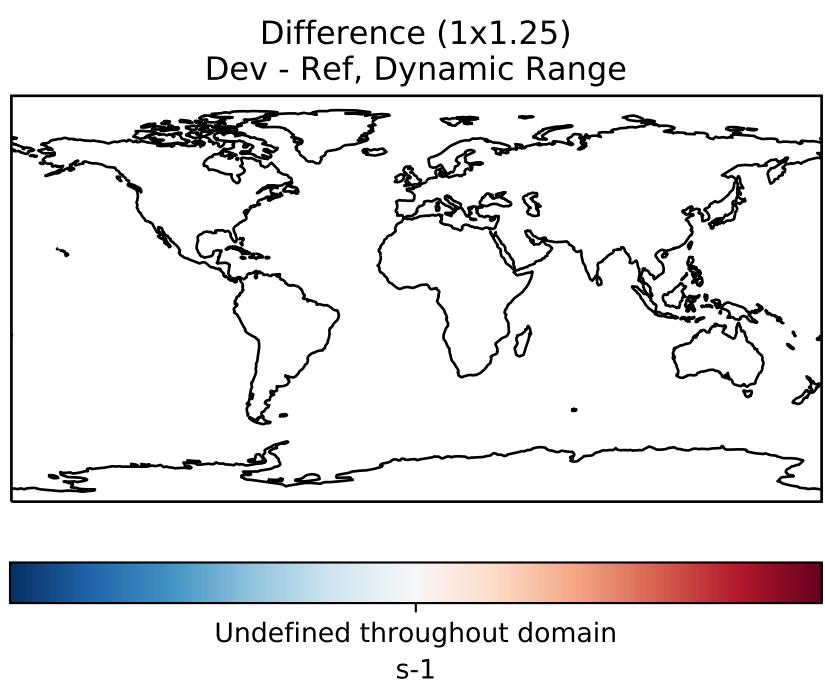
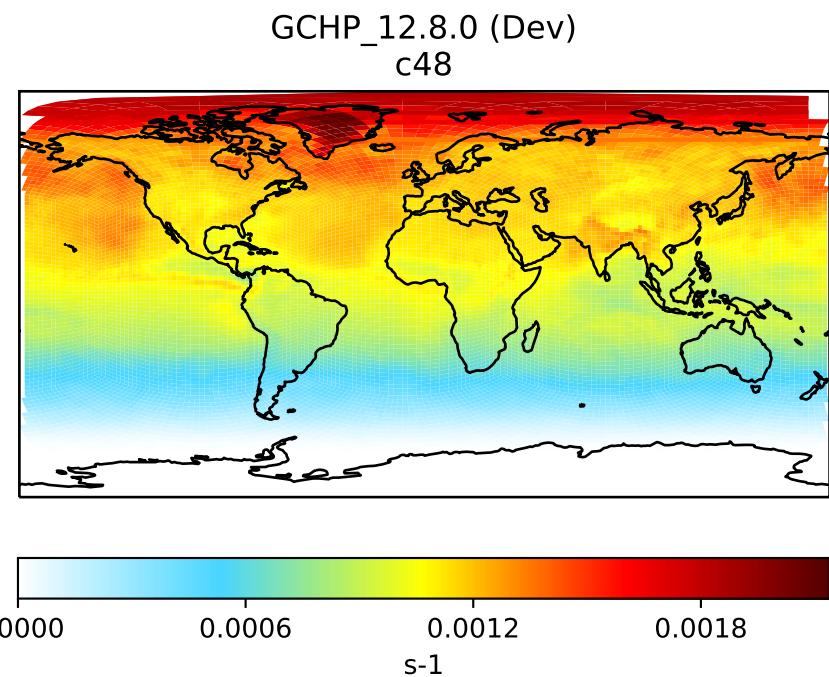
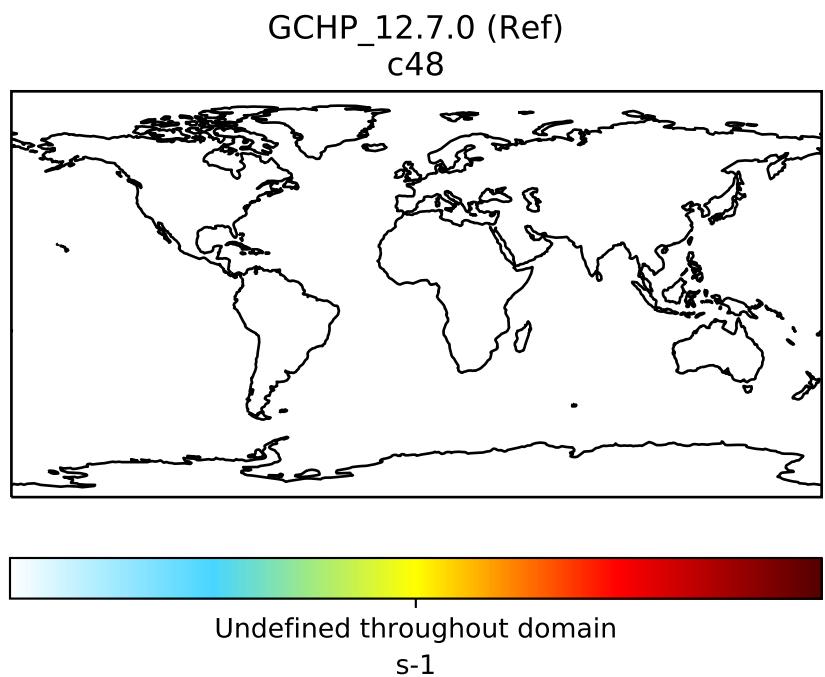


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Jval_CL2

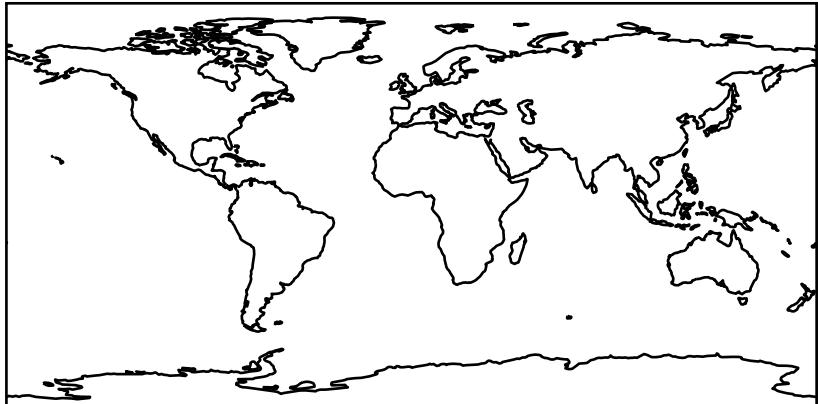


Jval_CL202



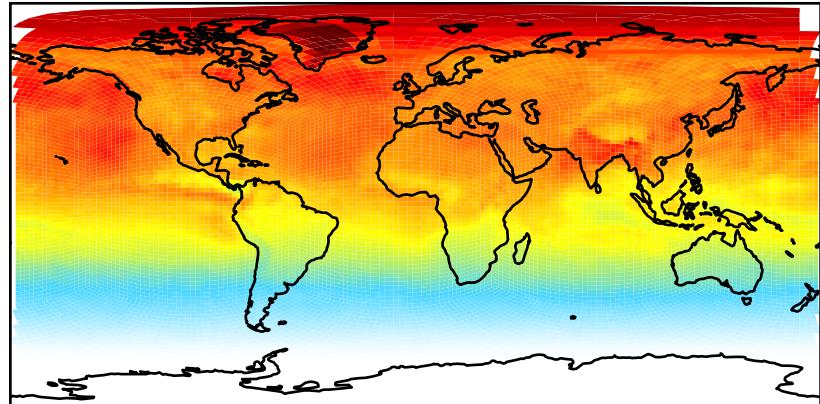
Jval_CLNO2

GCHP_12.7.0 (Ref)
c48



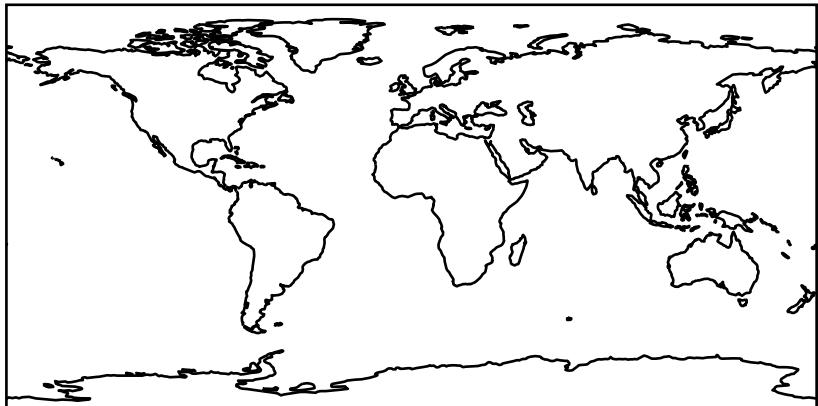
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GCHP_12.8.0 (Dev)
c48



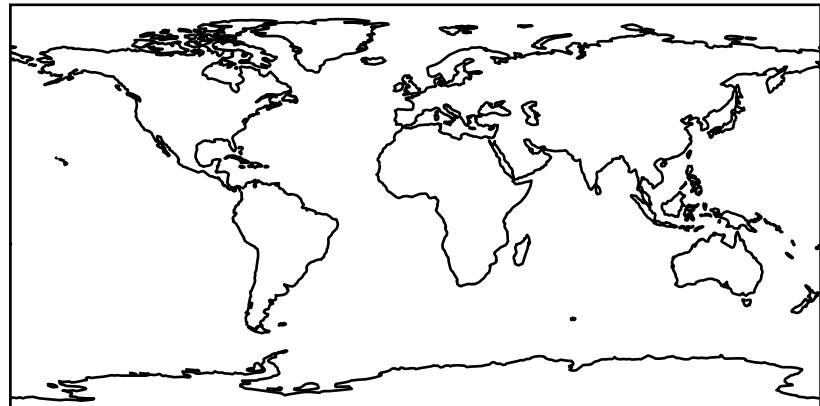
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Difference (1x1.25)
Dev - Ref, Dynamic Range



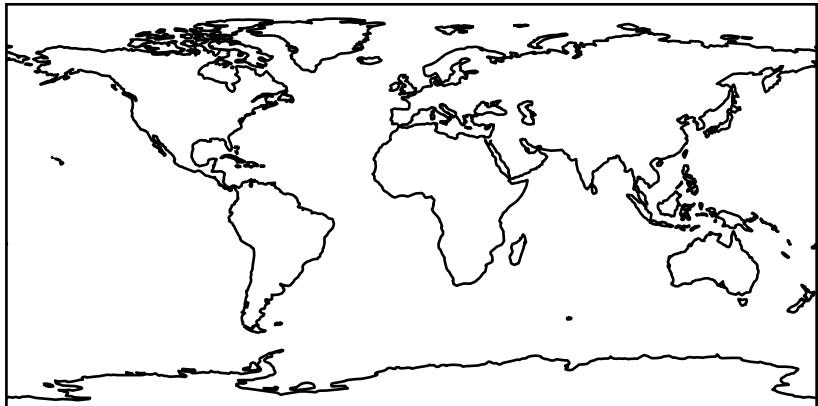
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Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



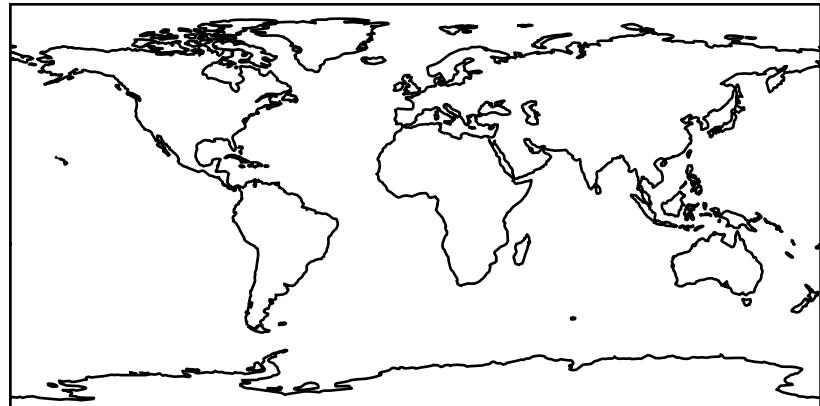
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s-1

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



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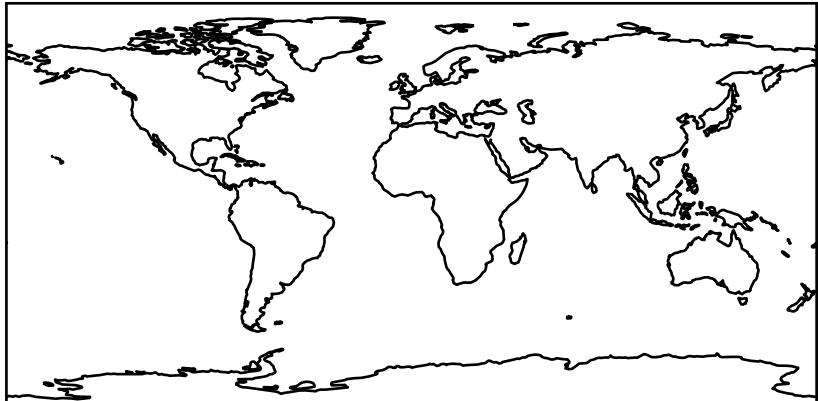
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



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unitless

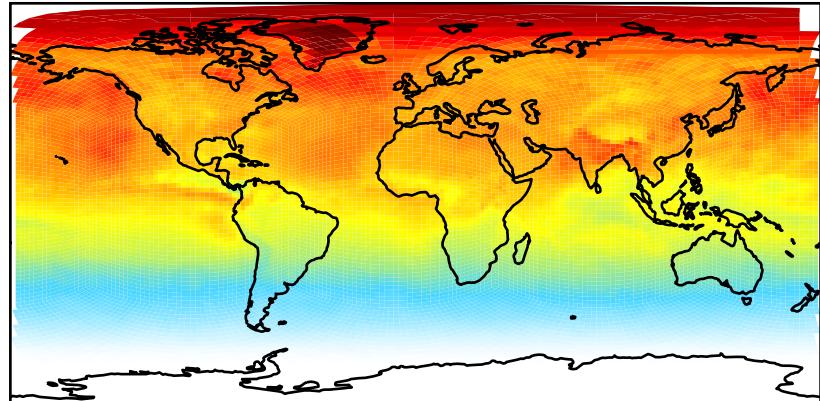
Jval_CLNO3

GCHP_12.7.0 (Ref)
c48



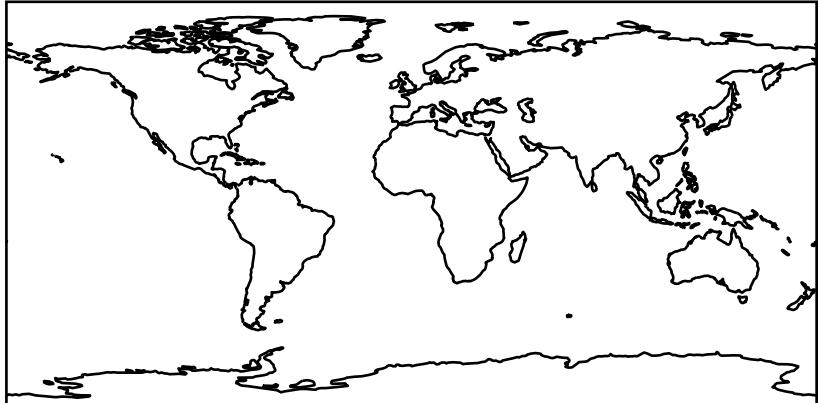
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s-1

GCHP_12.8.0 (Dev)
c48



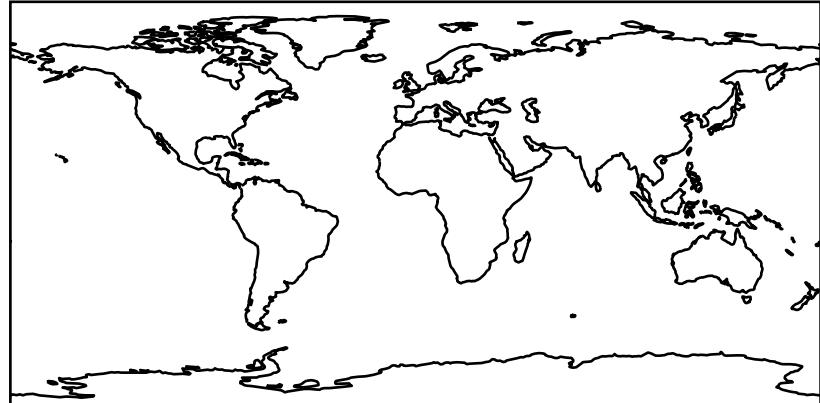
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s-1

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



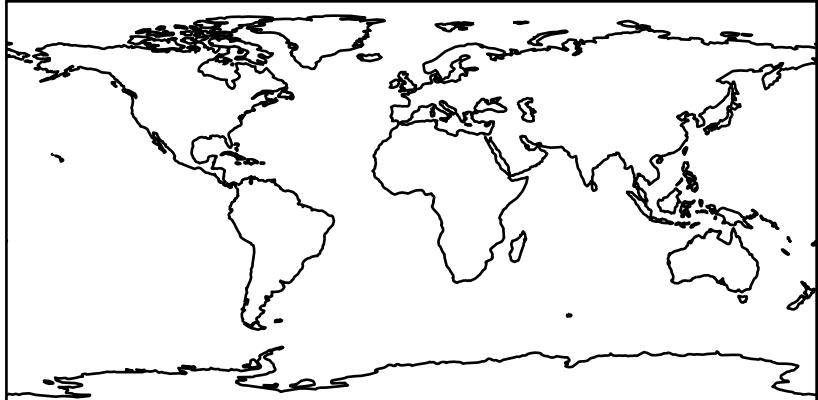
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Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



Undefined throughout domain
s-1

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



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unitless

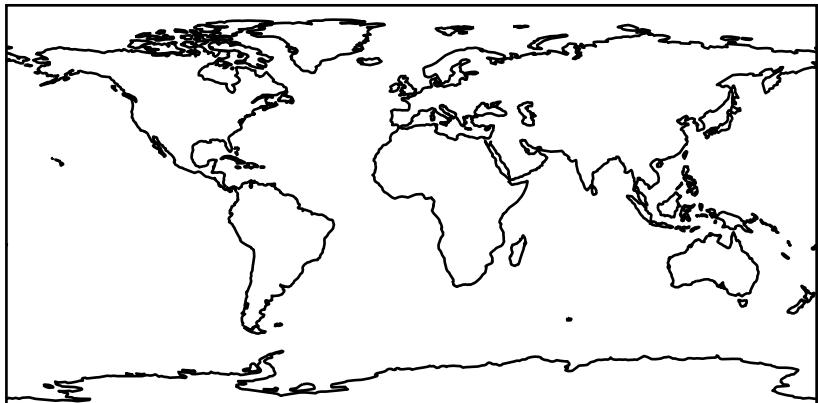
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



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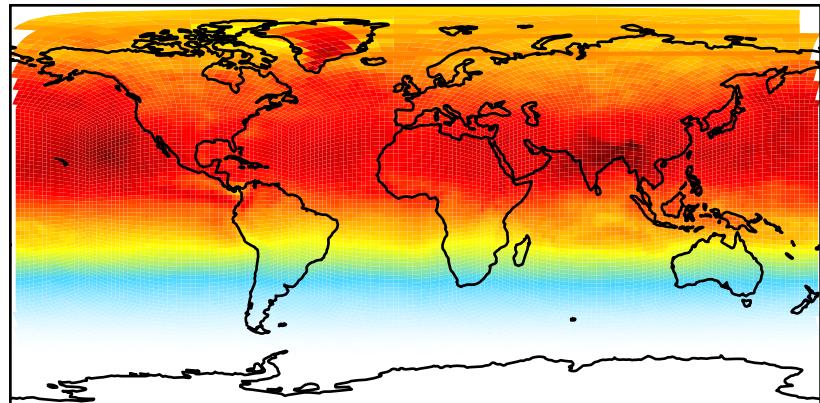
Jval_CLO

GCHP_12.7.0 (Ref)
c48



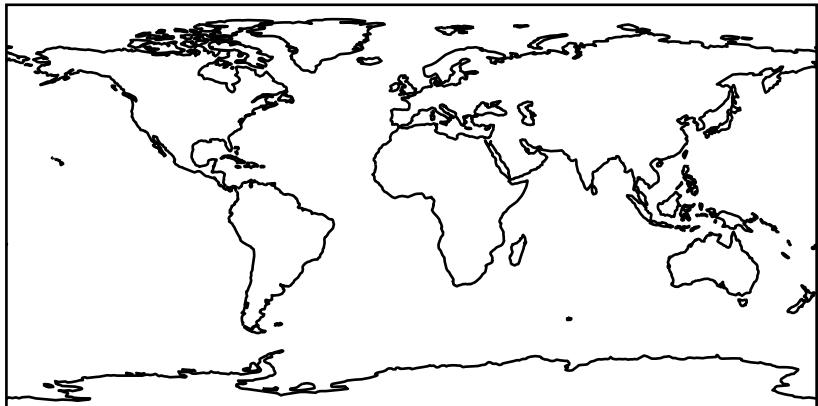
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GCHP_12.8.0 (Dev)
c48



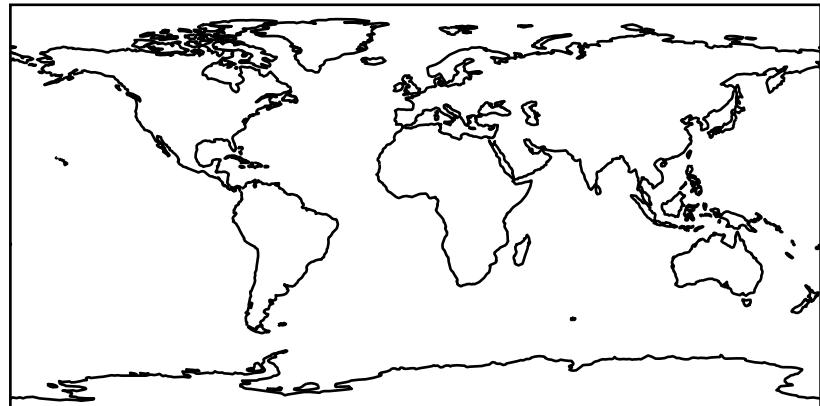
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s-1

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



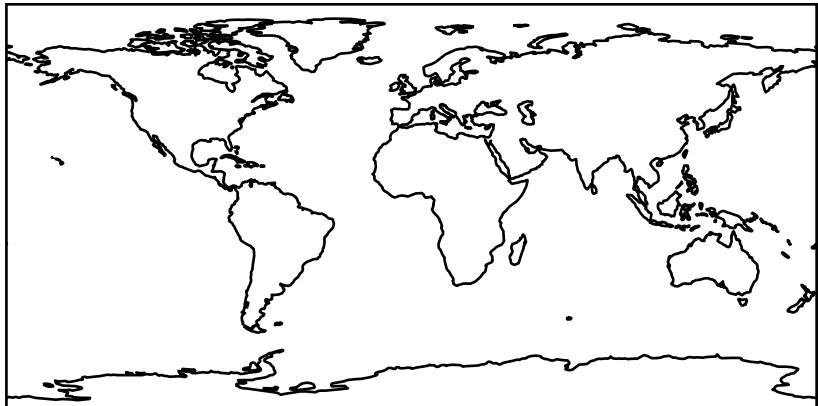
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s-1

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



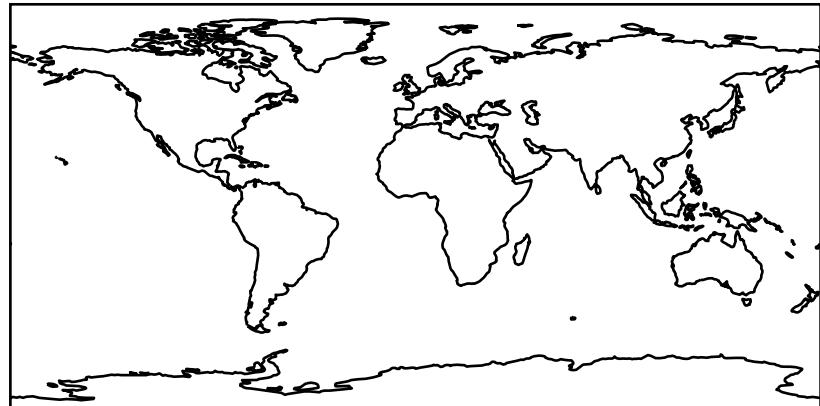
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s-1

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



Undefined throughout domain
unitless

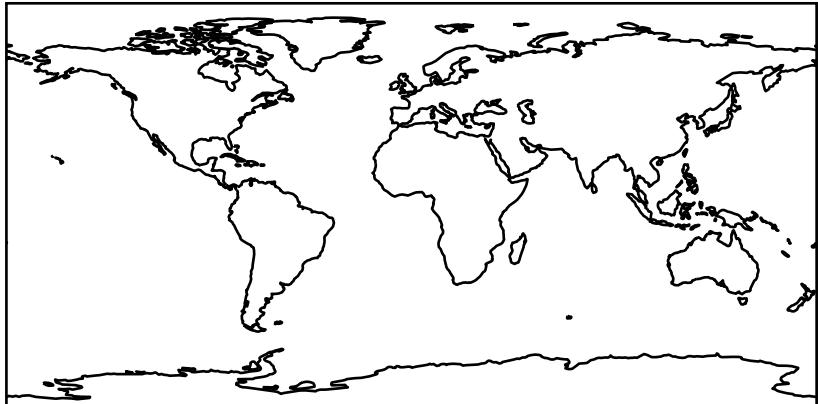
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



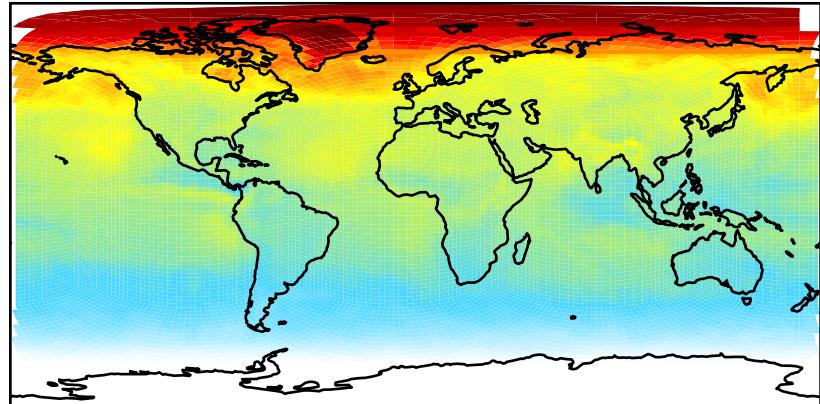
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Jval_CLOO

GCHP_12.7.0 (Ref)
c48



GCHP_12.8.0 (Dev)
c48



Undefined throughout domain
s⁻¹

0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7
s⁻¹

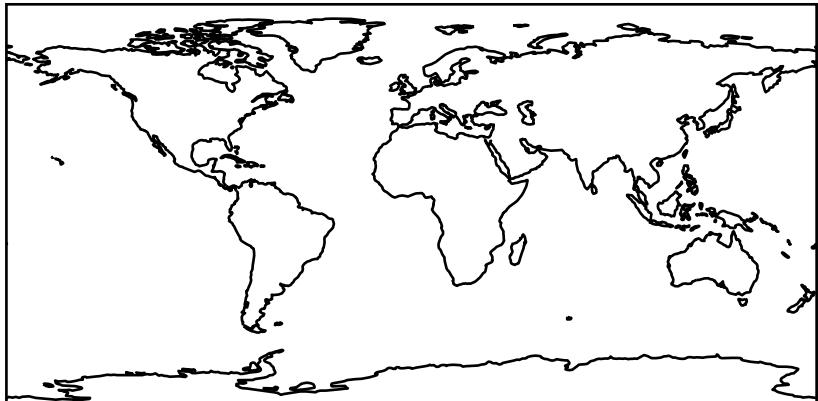
Difference (1x1.25)
Dev - Ref, Dynamic Range



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s⁻¹

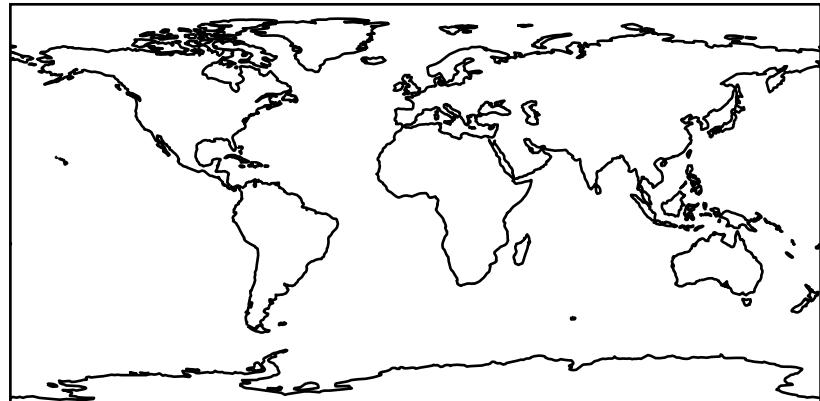
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s⁻¹

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



Undefined throughout domain
unitless

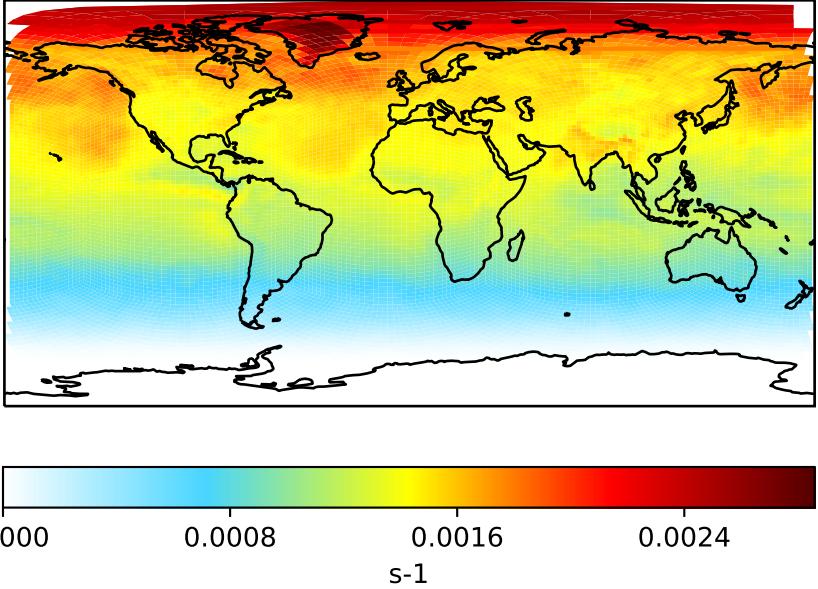
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



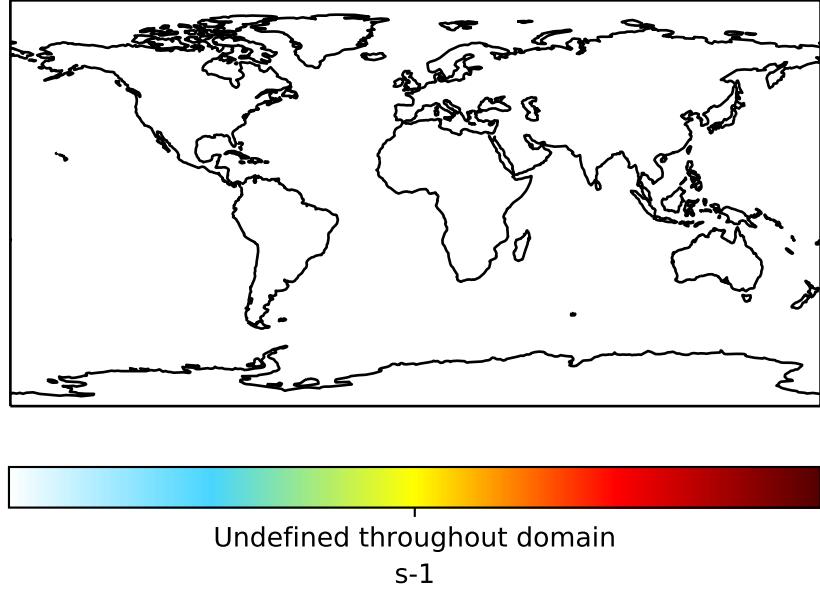
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Jval_CI2

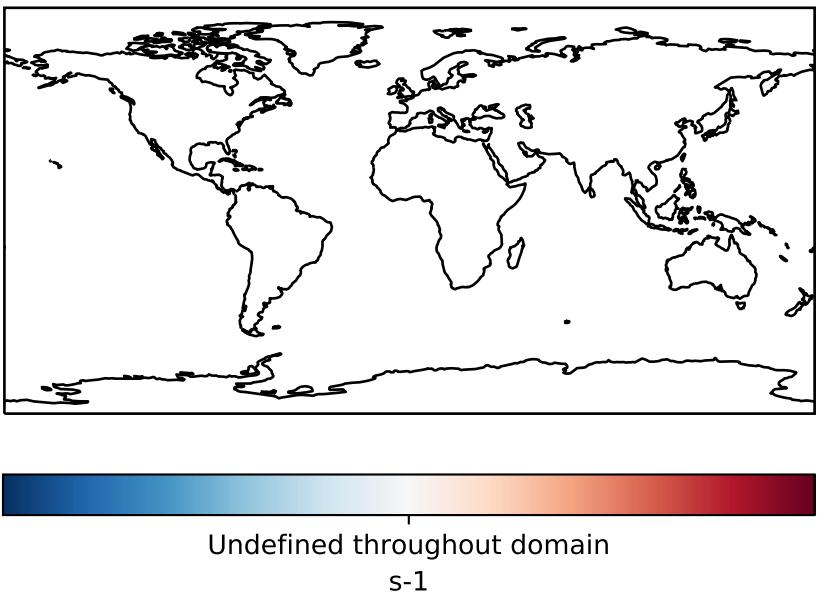
GCHP_12.7.0 (Ref)
c48



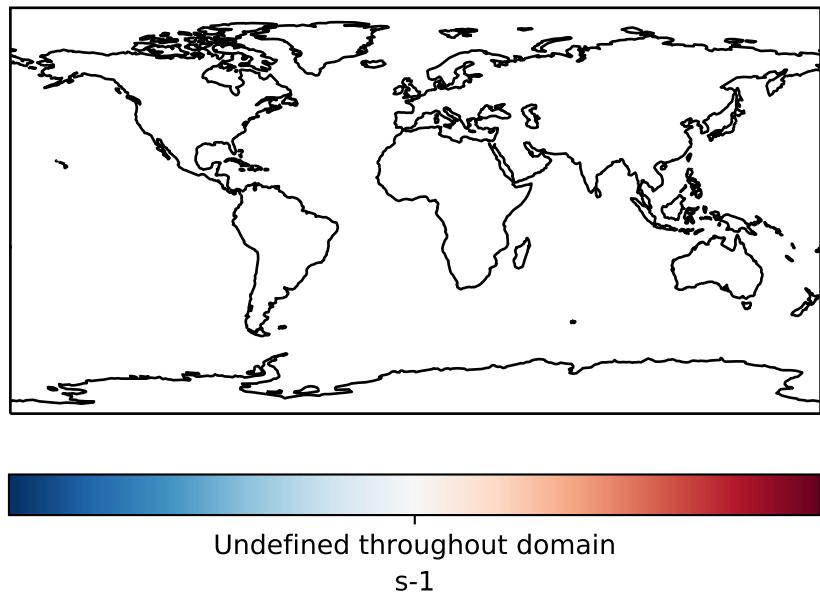
GCHP_12.8.0 (Dev)
c48



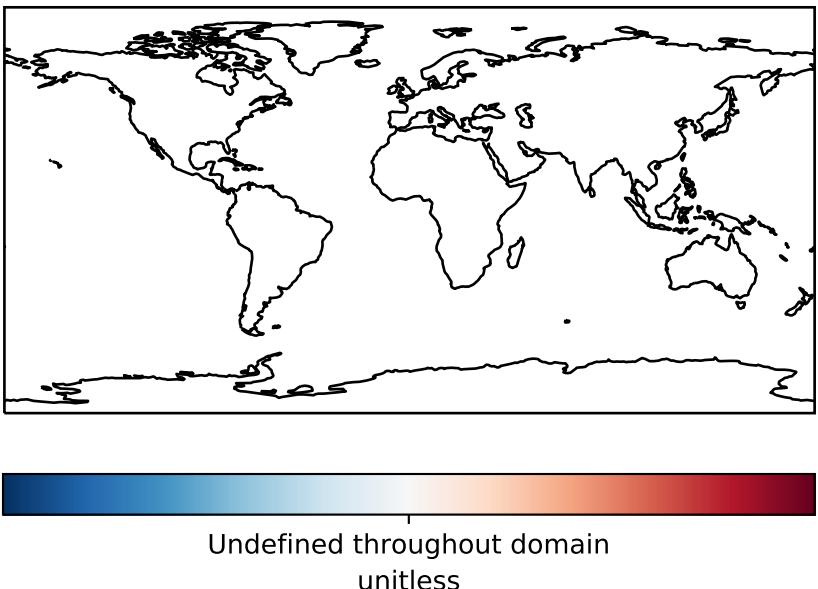
Difference (1x1.25)
Dev - Ref, Dynamic Range



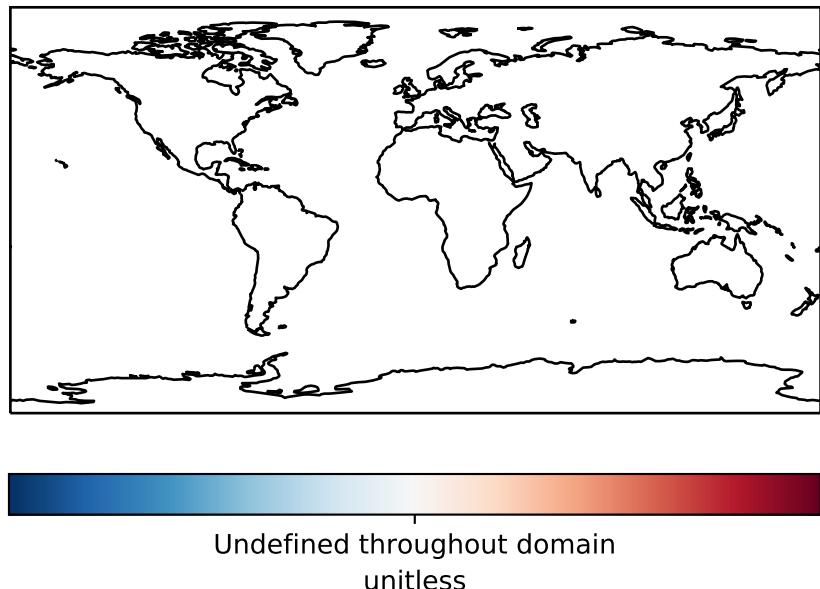
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

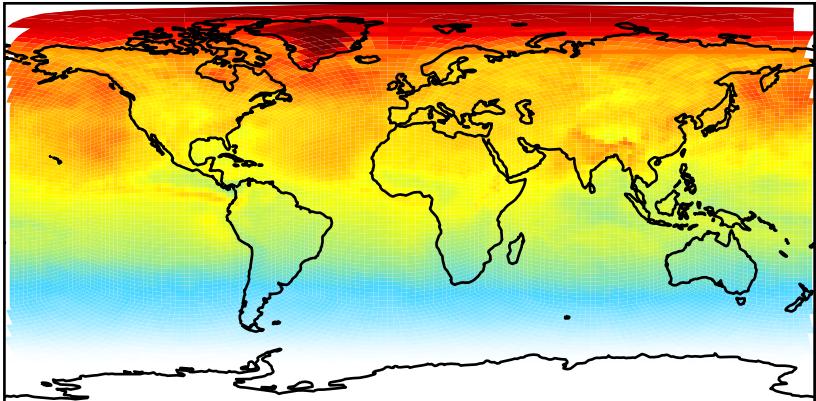


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



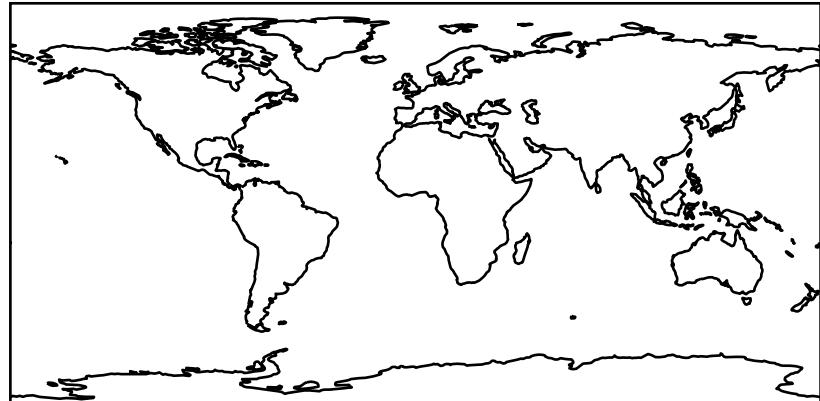
Jval_CI202

GCHP_12.7.0 (Ref)
c48



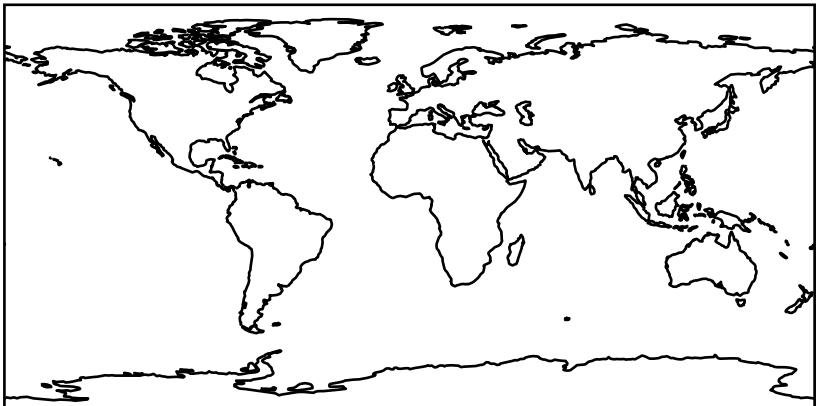
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 s^{-1}

GCHP_12.8.0 (Dev)
c48



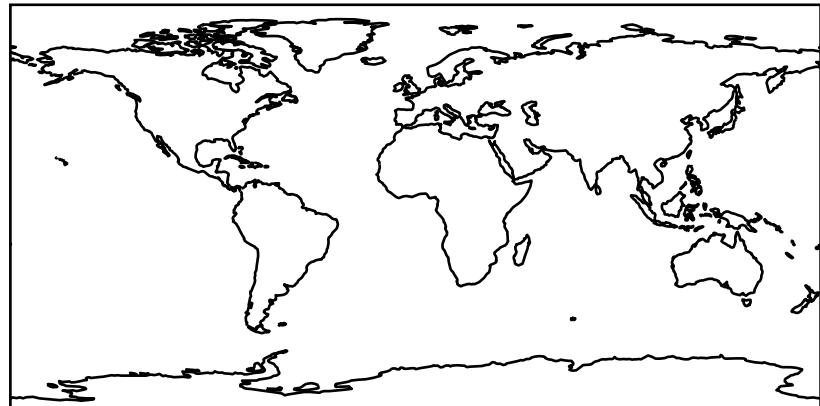
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 s^{-1}

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



Undefined throughout domain
 s^{-1}

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



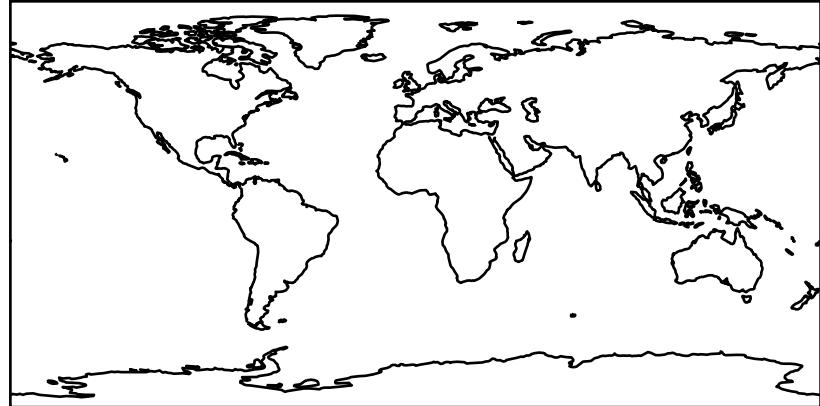
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



Undefined throughout domain
unitless

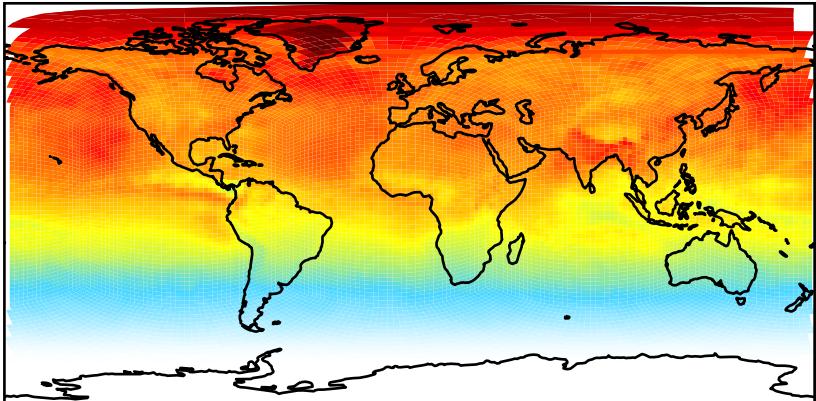
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



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unitless

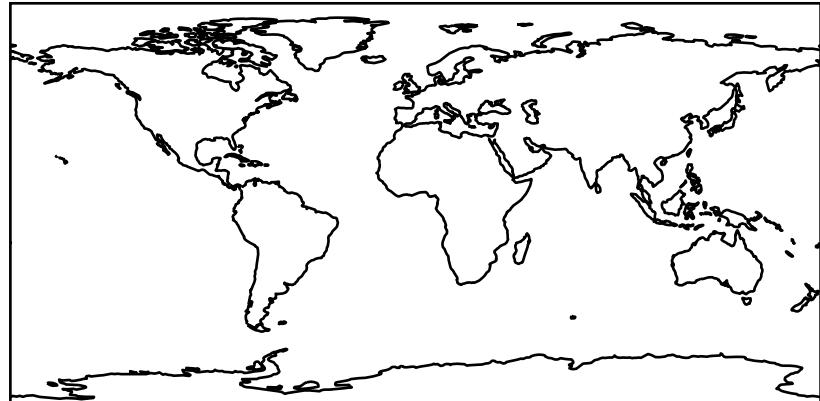
Jval_ClNO2

GCHP_12.7.0 (Ref)
c48



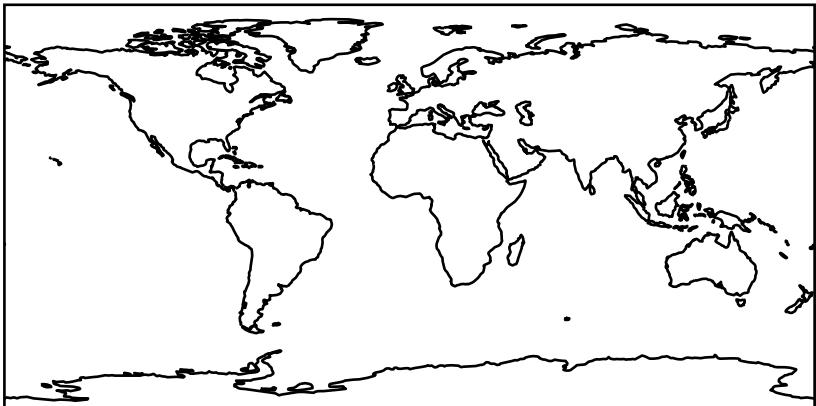
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s-1

GCHP_12.8.0 (Dev)
c48



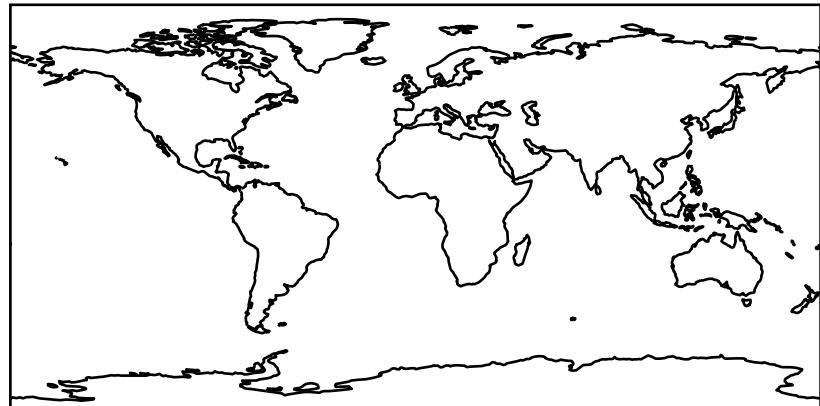
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s-1

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



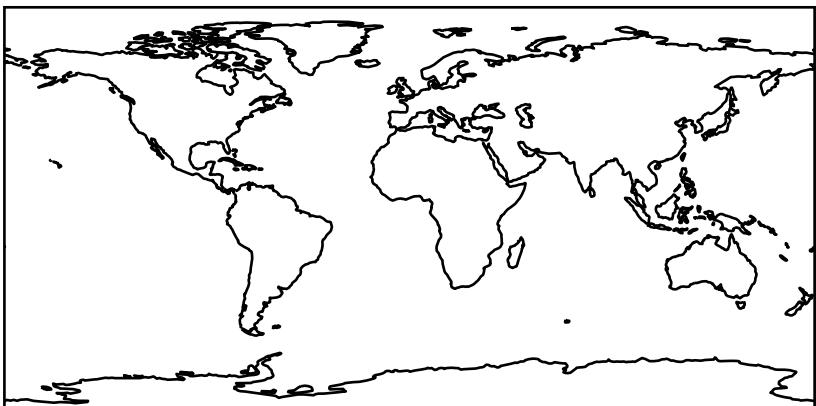
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s-1

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



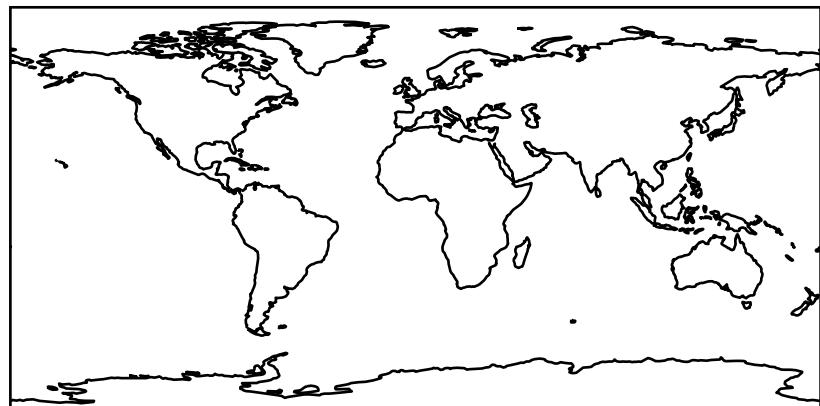
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s-1

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



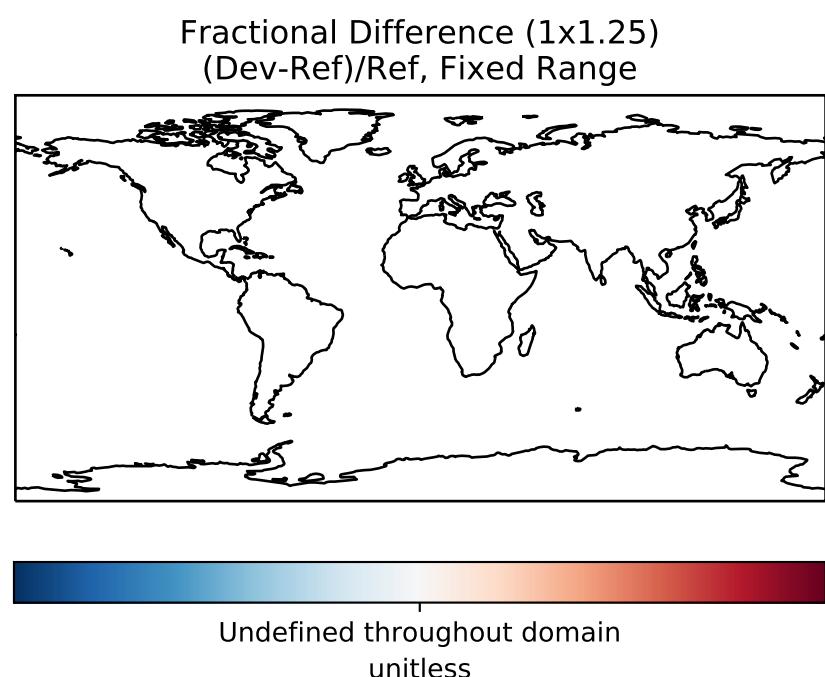
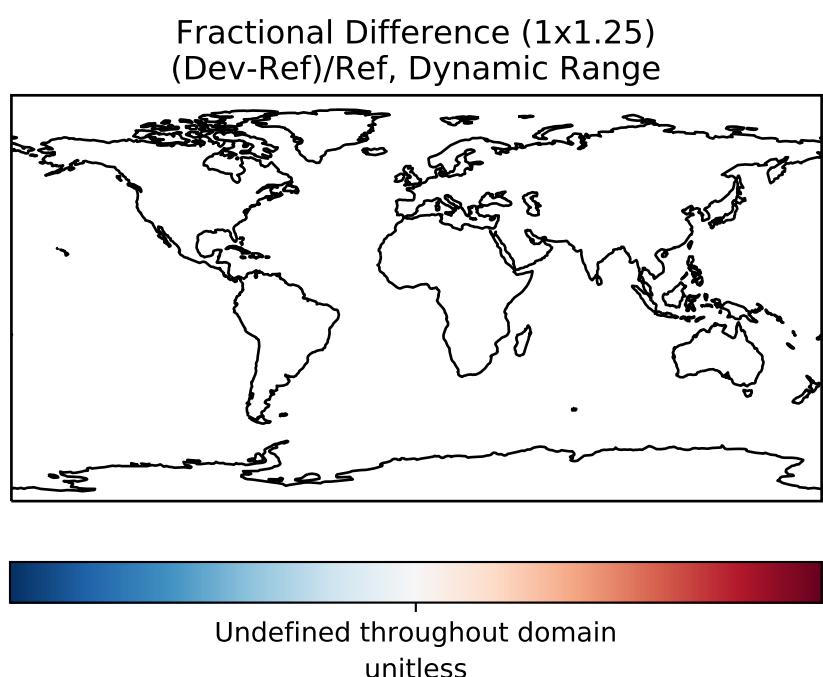
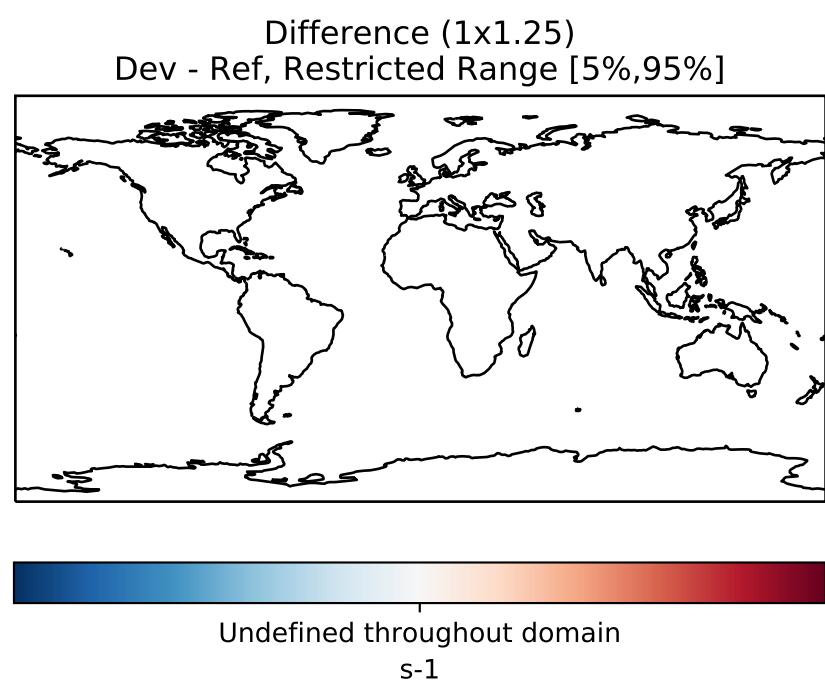
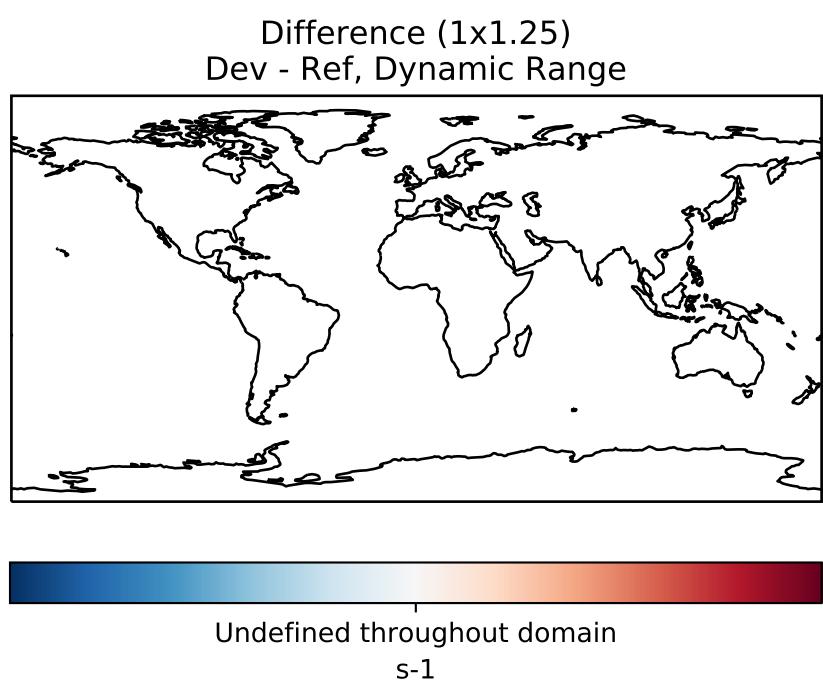
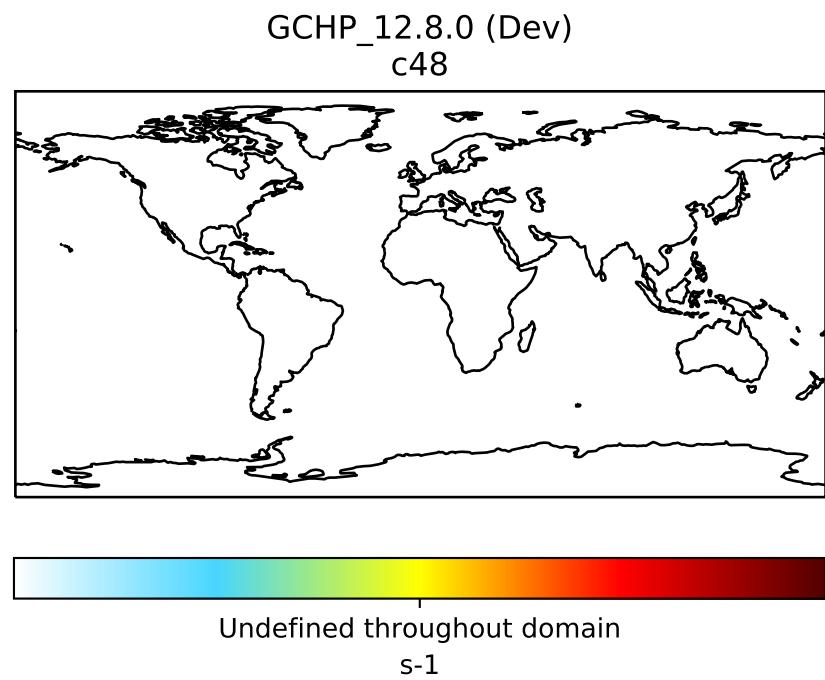
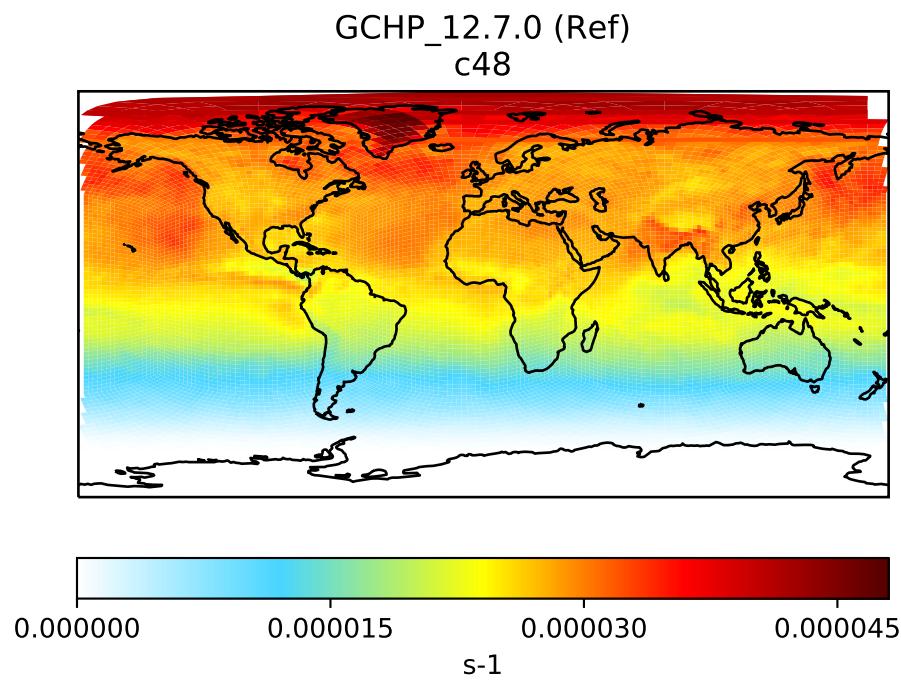
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

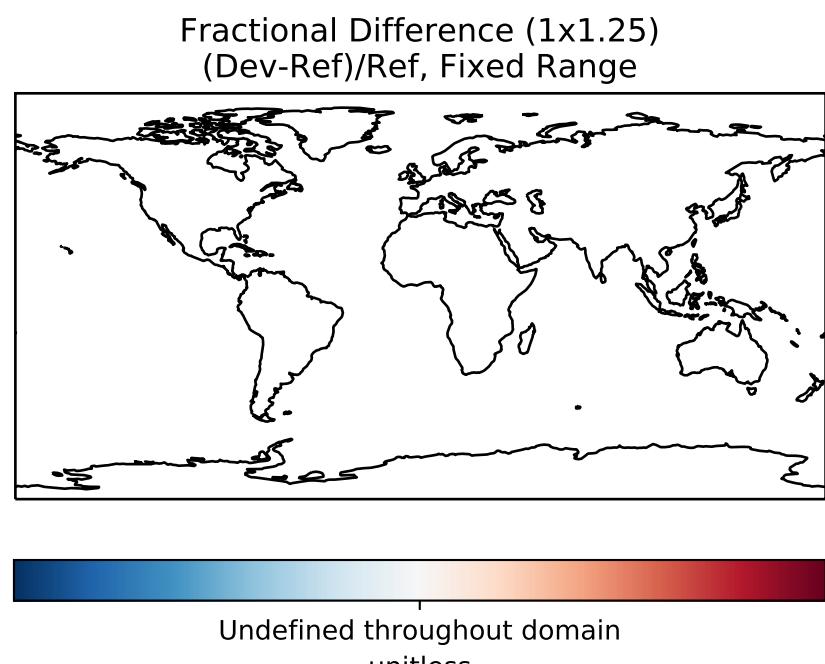
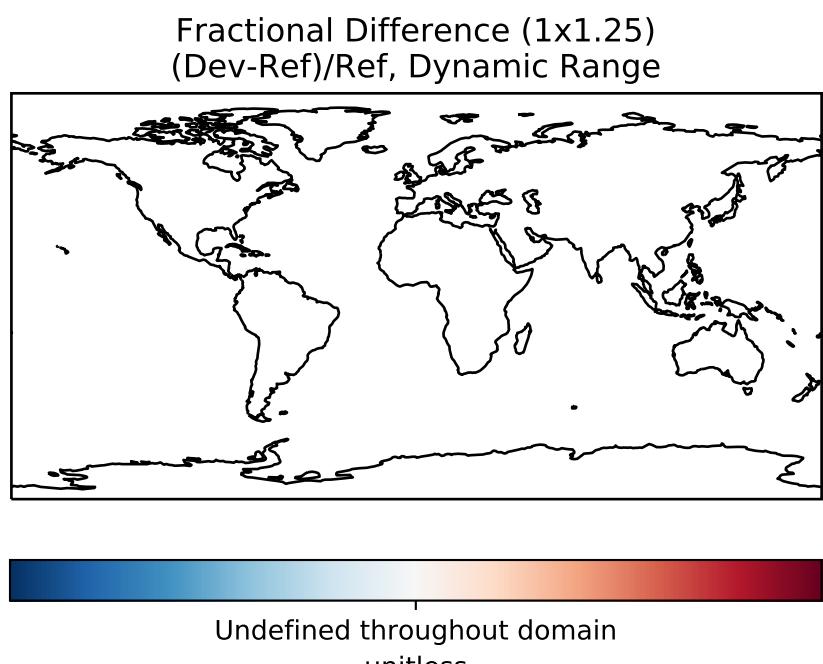
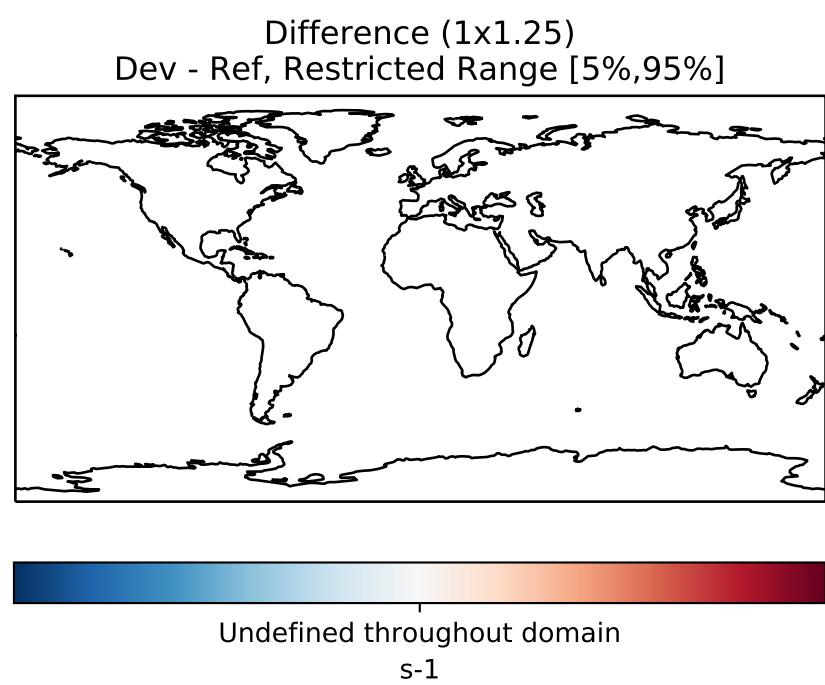
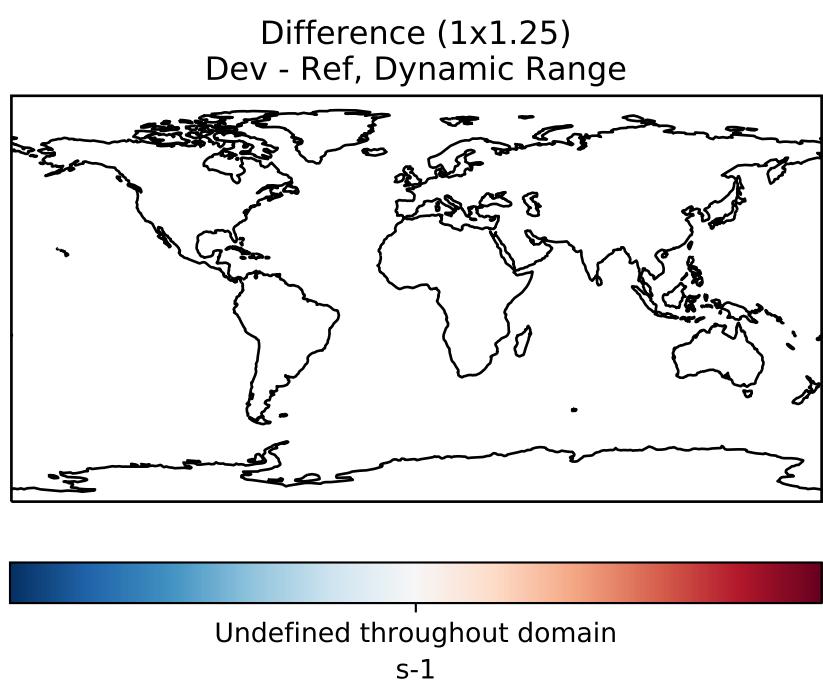
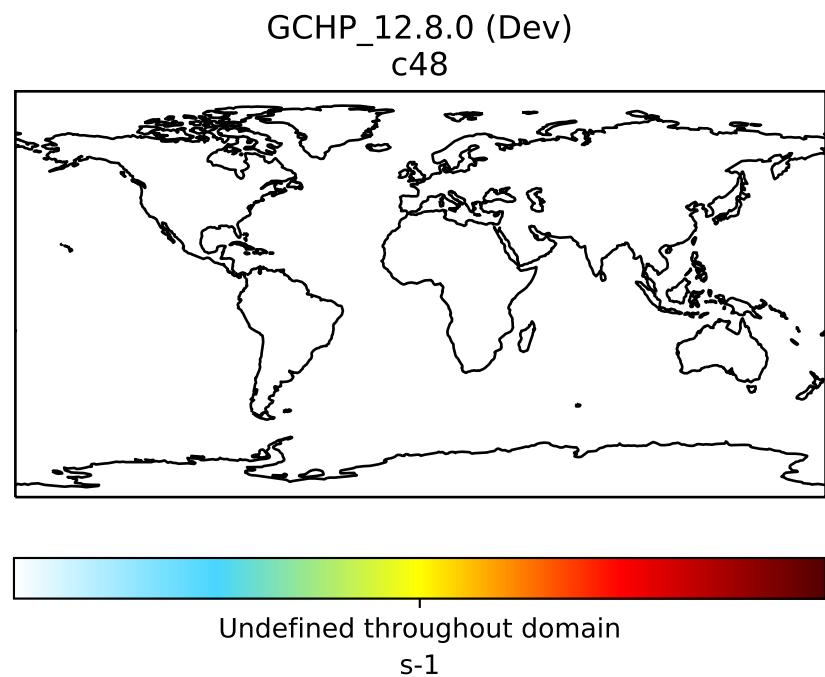
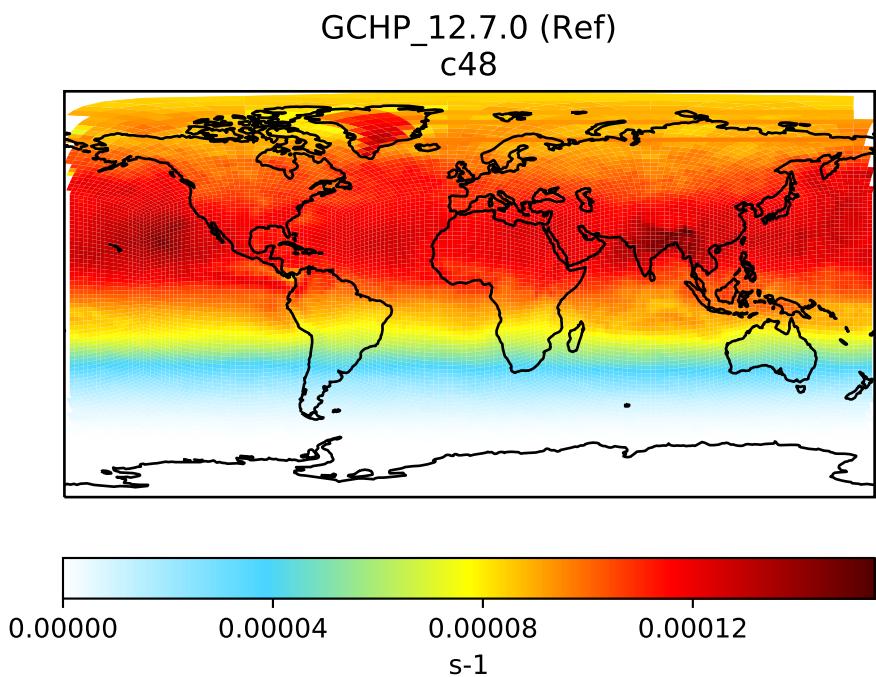


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unitless

Jval_ClNO3

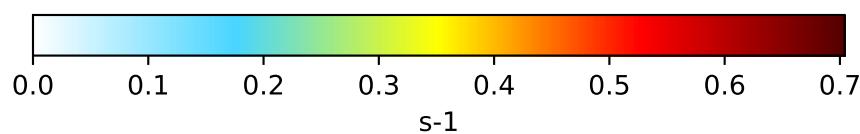
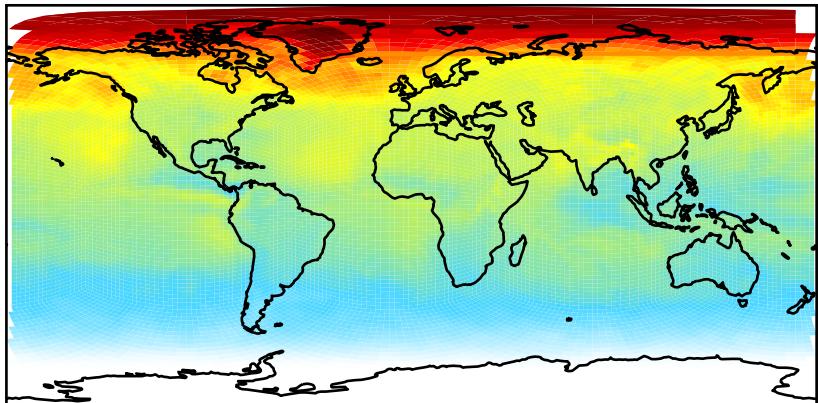


Jval_CIO

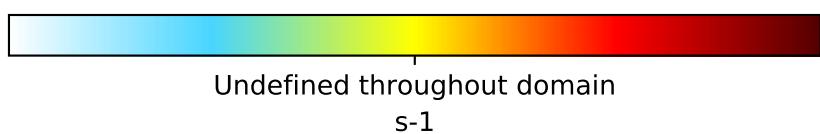
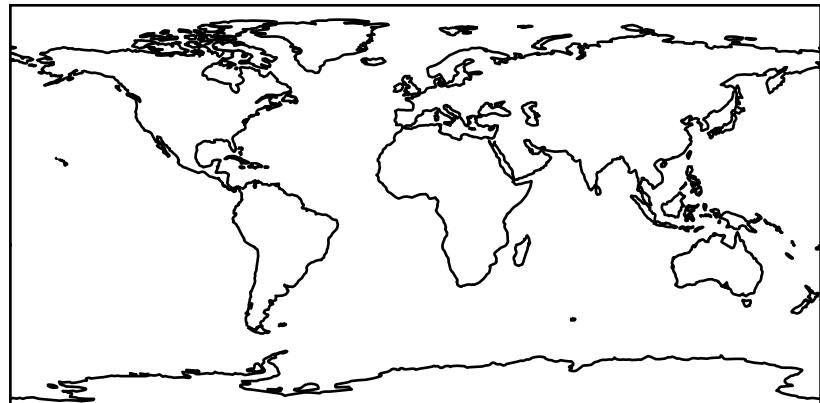


Jval_CIOO

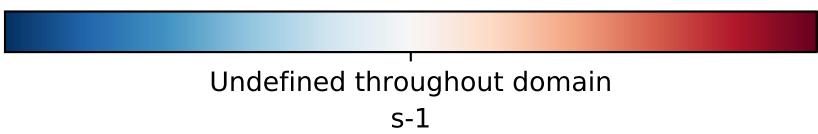
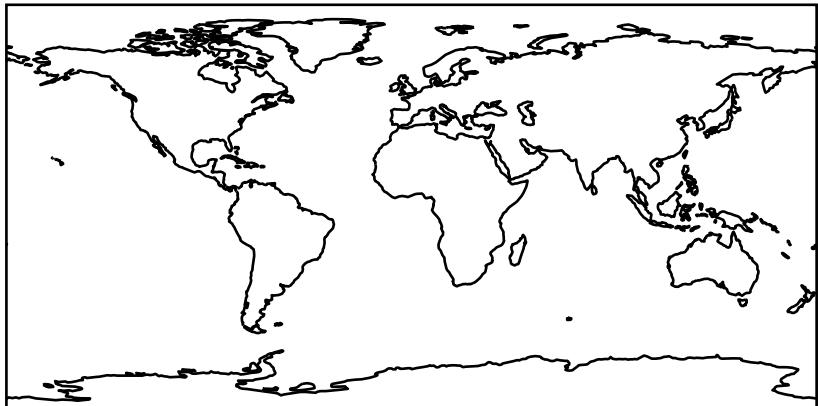
GCHP_12.7.0 (Ref)
c48



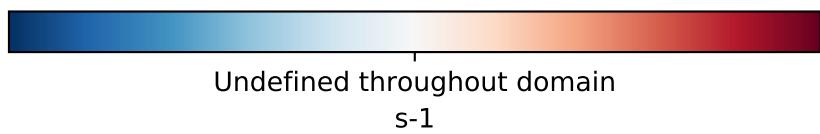
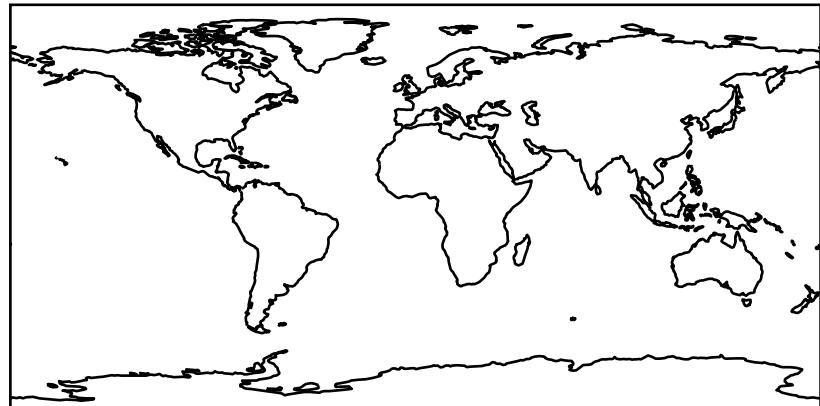
GCHP_12.8.0 (Dev)
c48



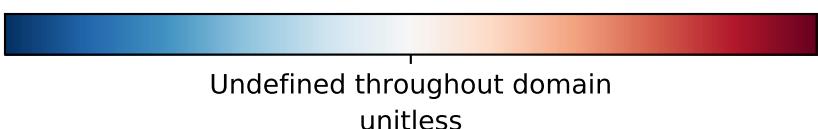
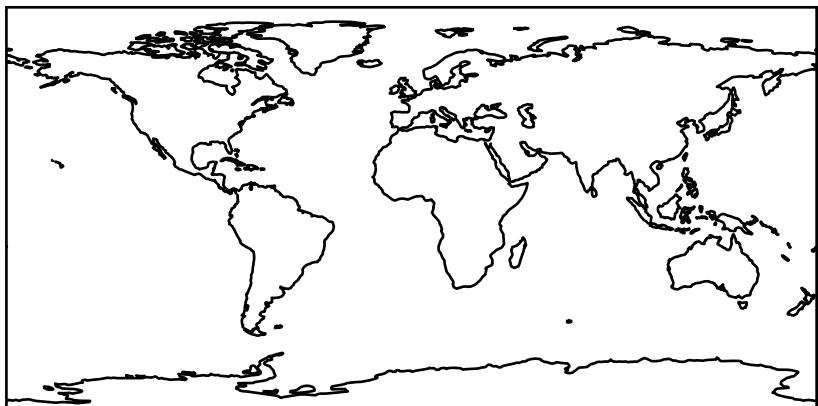
Difference (1x1.25)
Dev - Ref, Dynamic Range



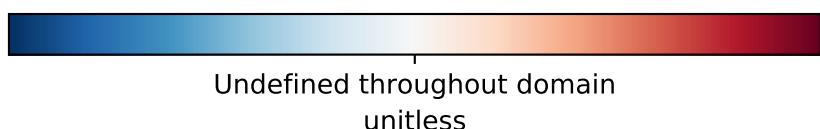
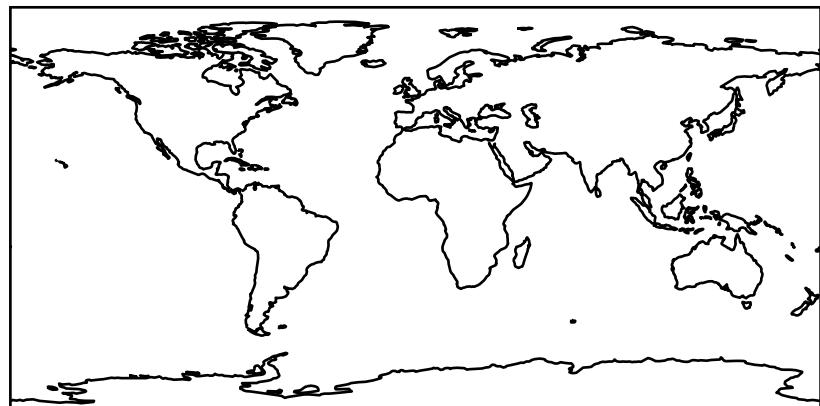
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

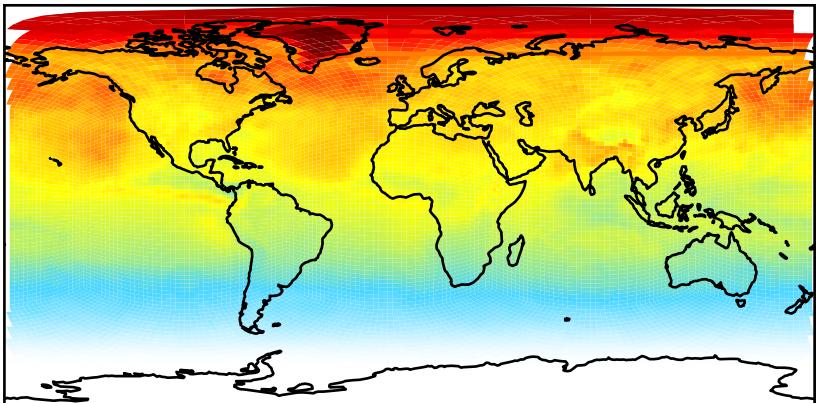


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



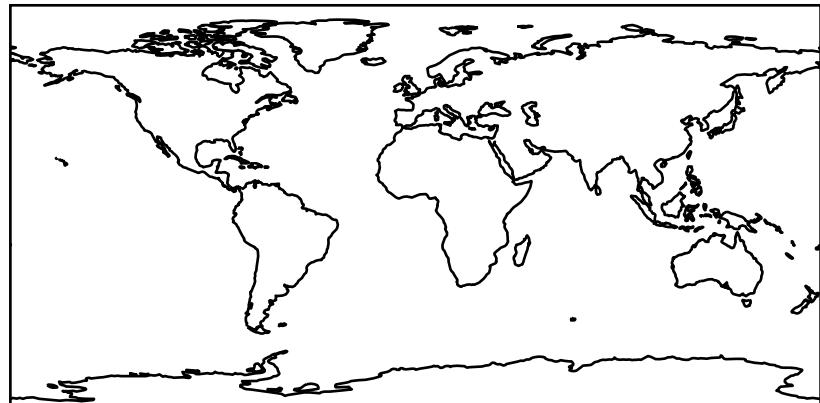
Jval_DHDC

GCHP_12.7.0 (Ref)
c48



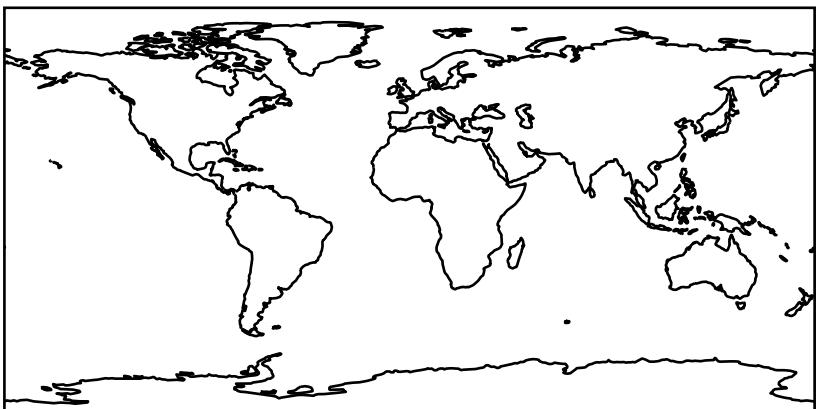
0.0000000 0.0000005 0.0000010 0.0000015
s⁻¹

GCHP_12.8.0 (Dev)
c48



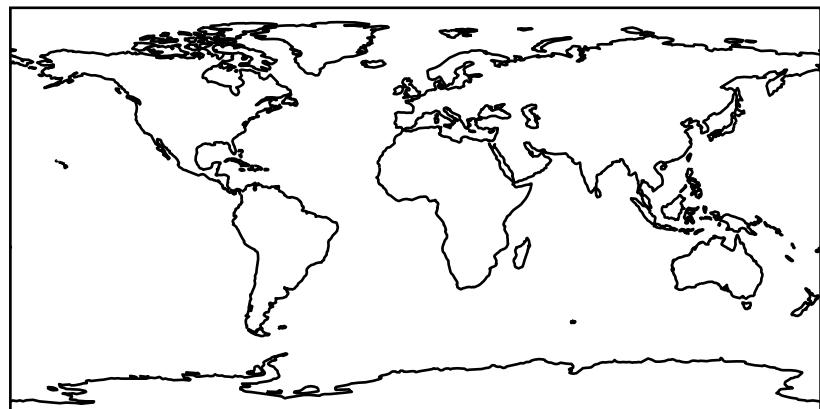
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s⁻¹

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



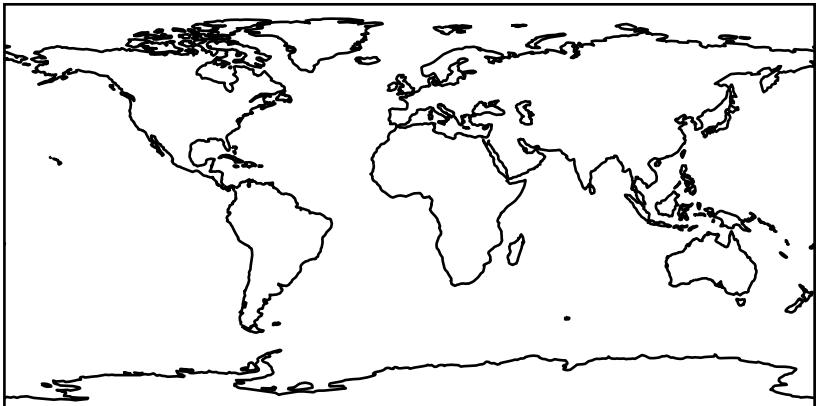
Undefined throughout domain
s⁻¹

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



Undefined throughout domain
s⁻¹

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



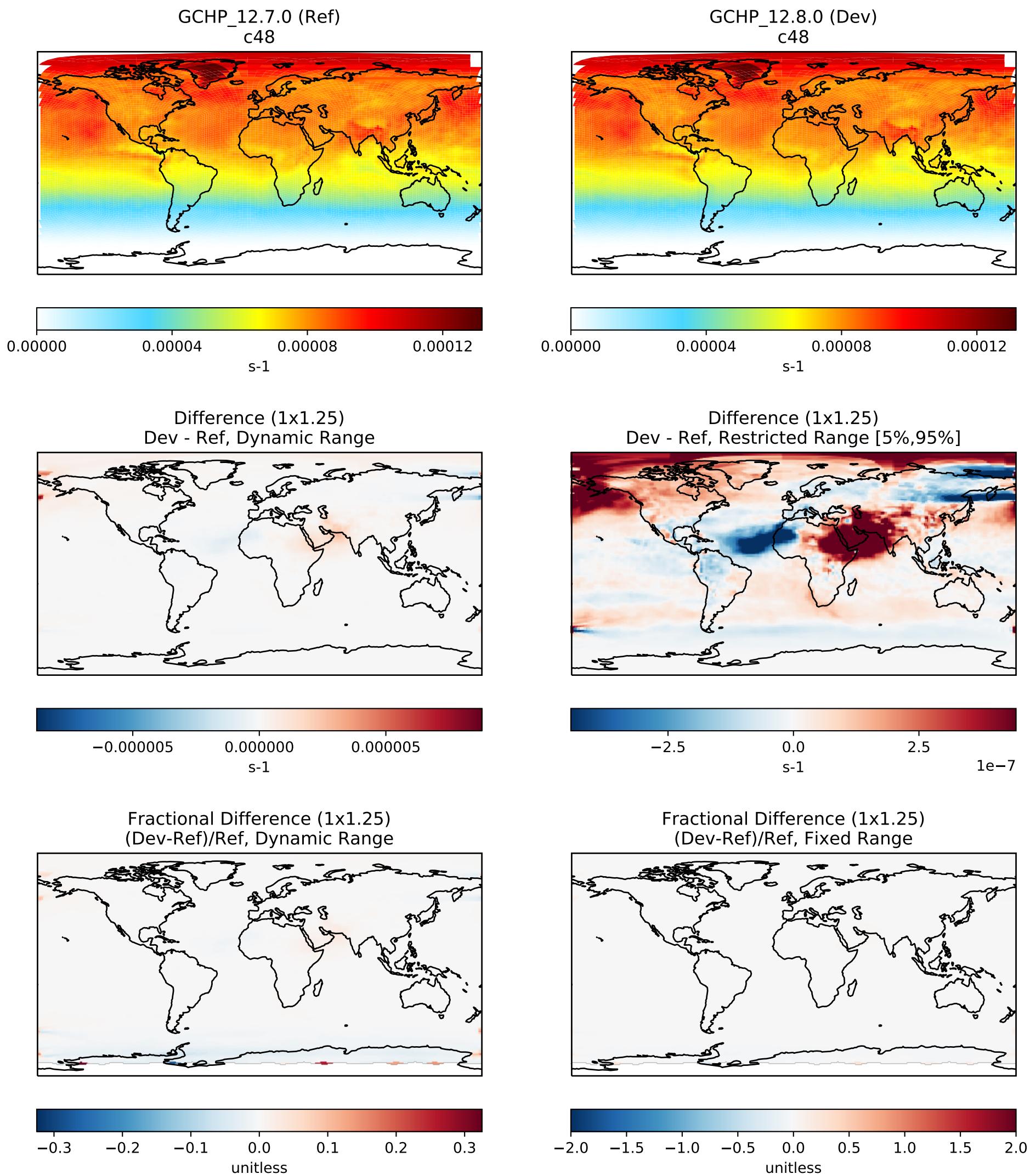
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



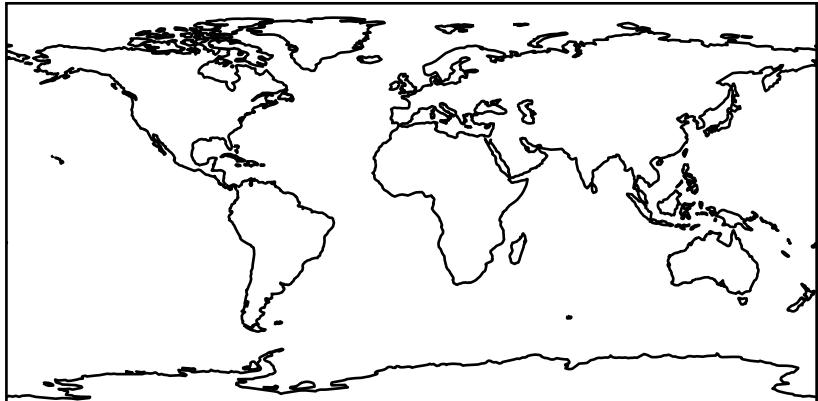
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Jval_ETHLN



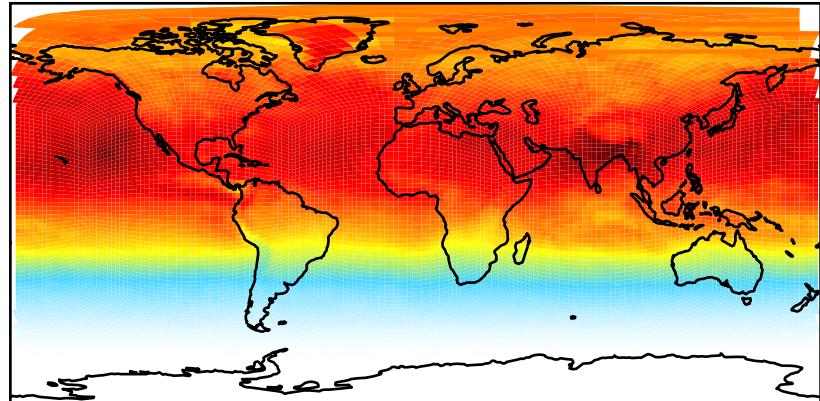
Jval_ETNO3

GCHP_12.7.0 (Ref)
c48



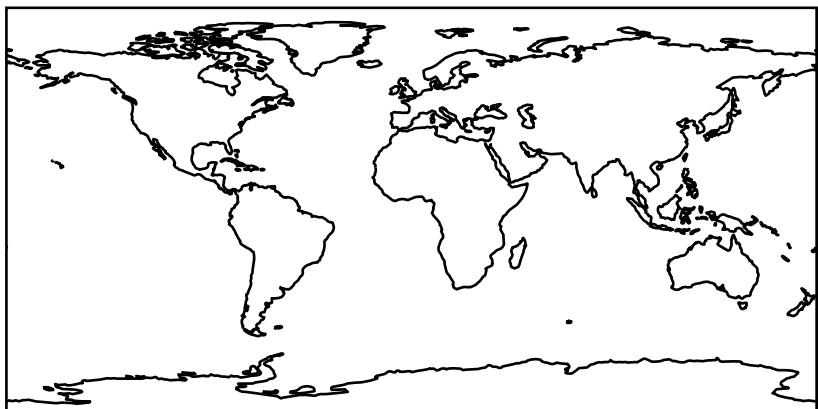
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s-1

GCHP_12.8.0 (Dev)
c48



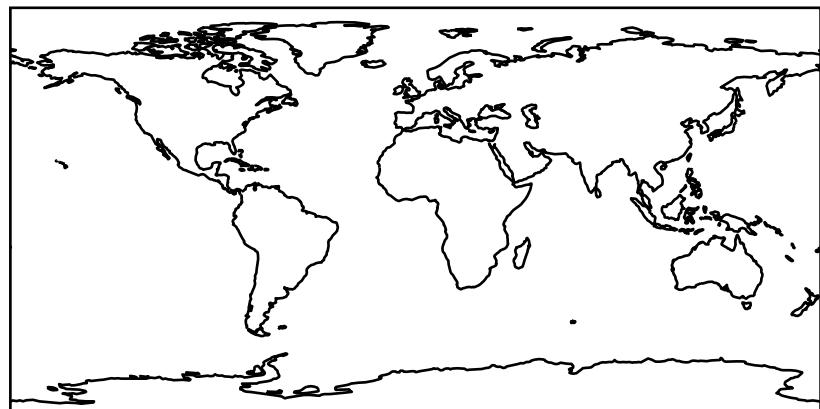
0 3 6 9
s-1
1e-7

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



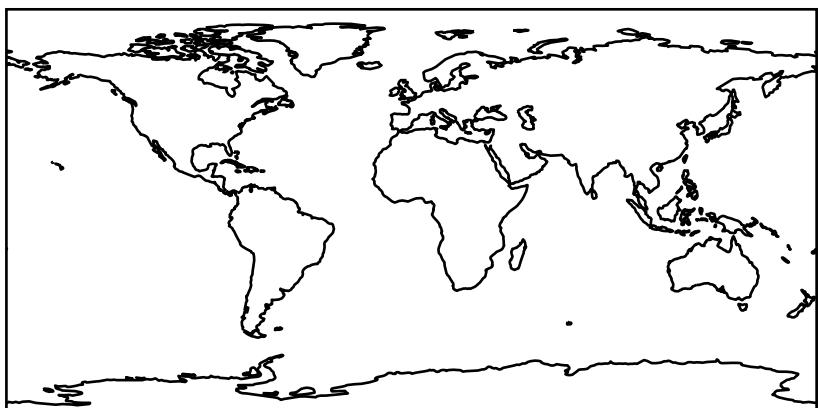
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s-1

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



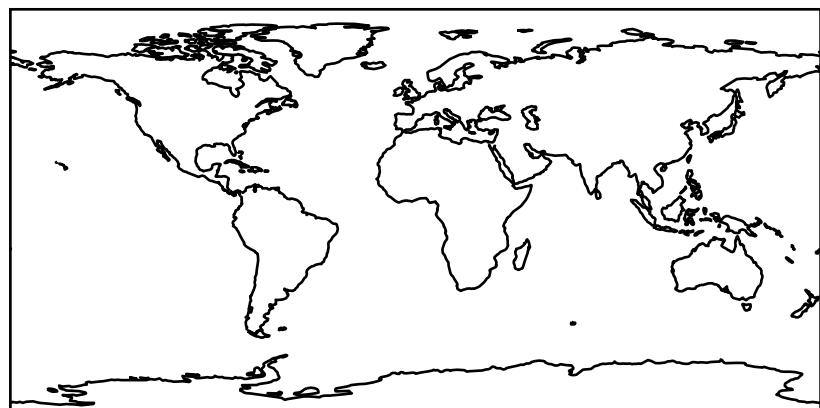
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s-1

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



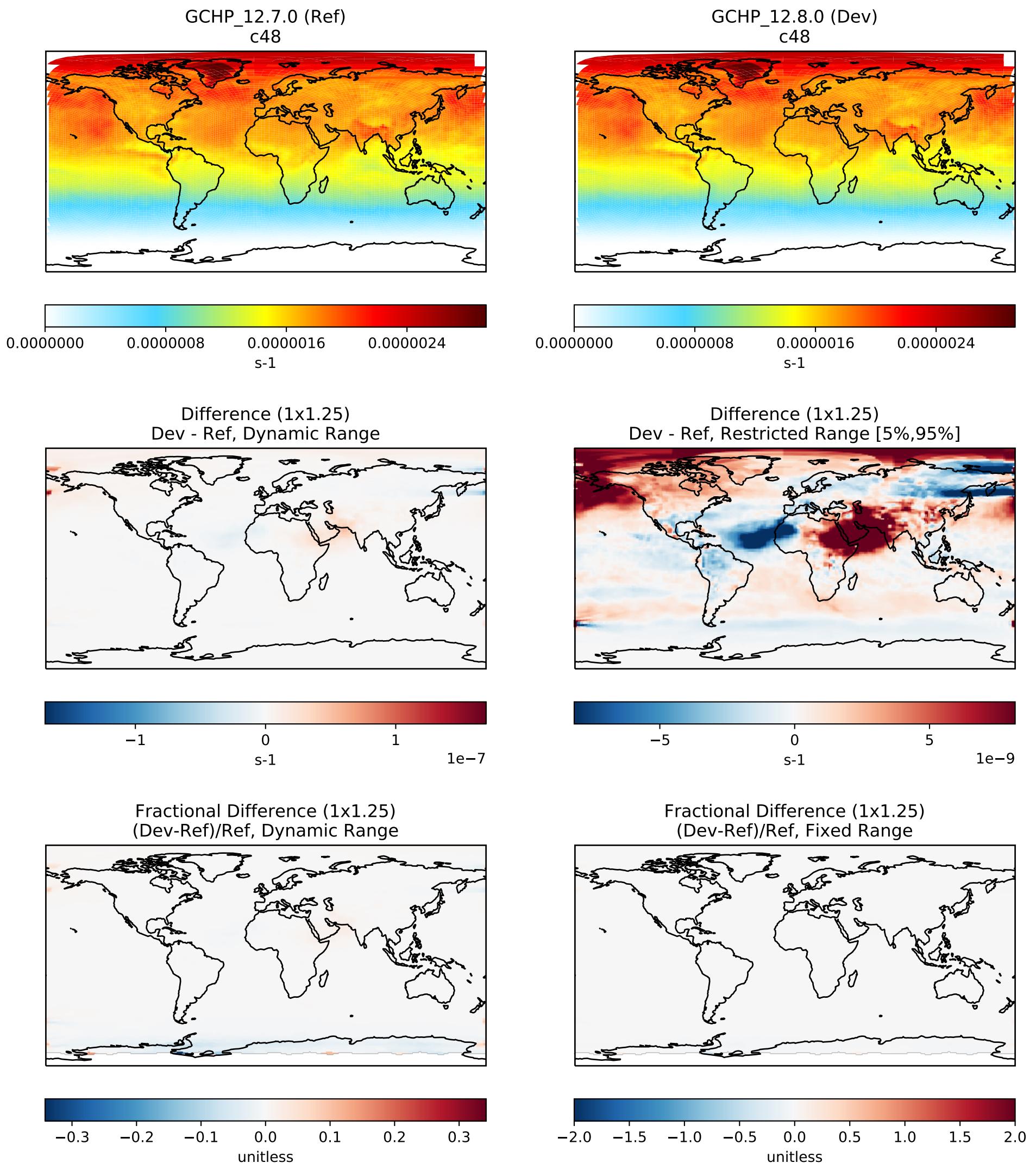
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

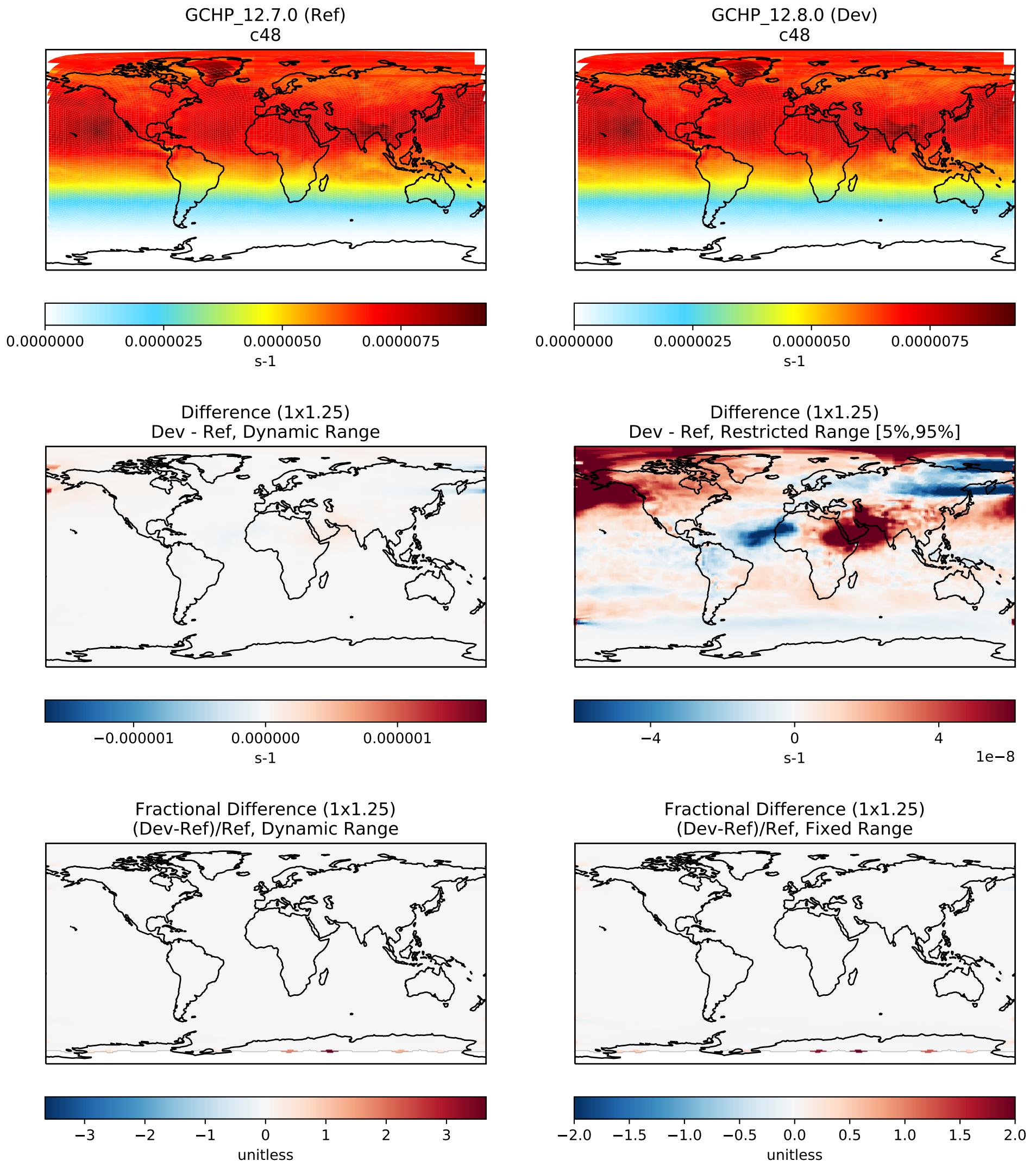


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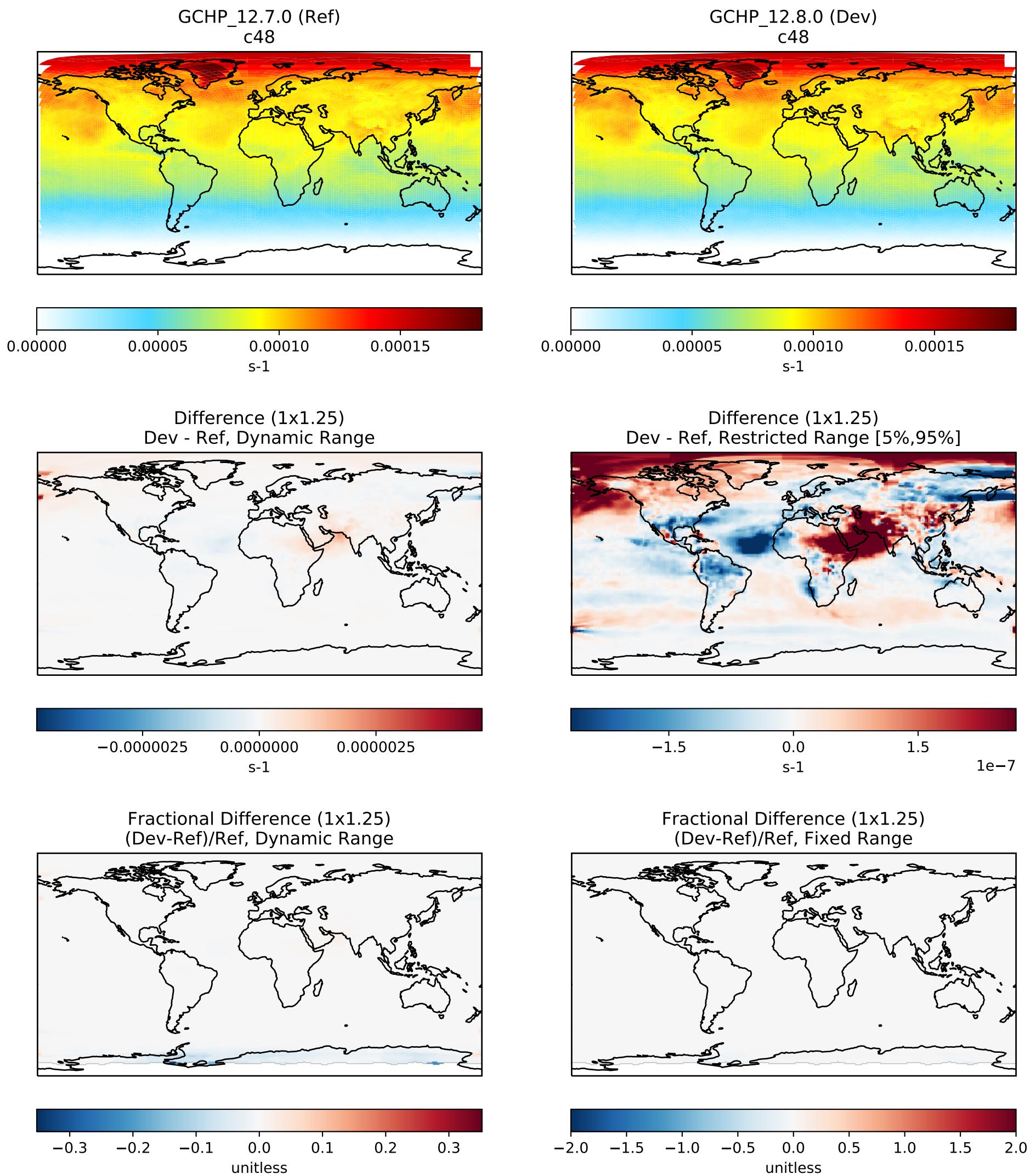
Jval_ETP



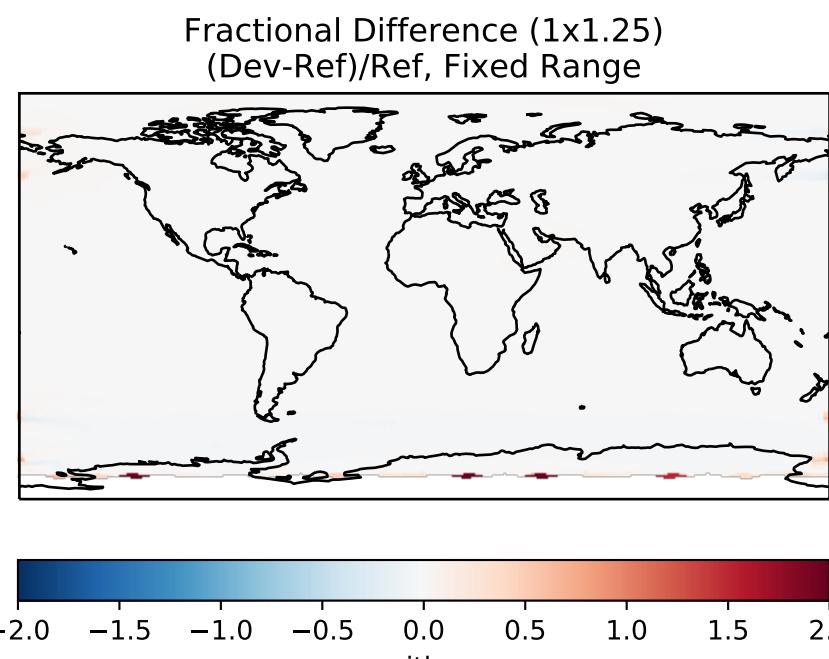
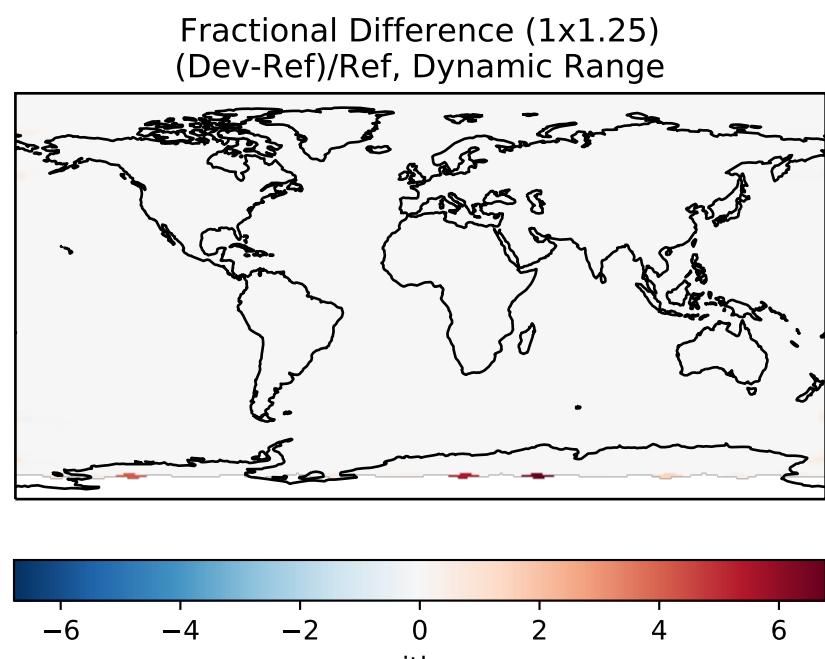
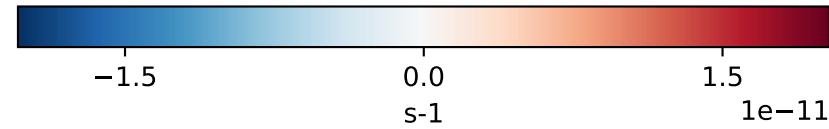
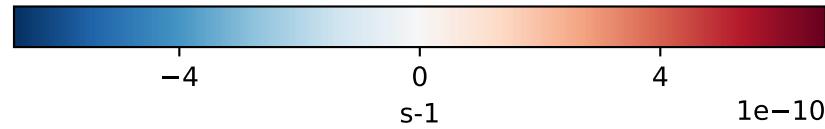
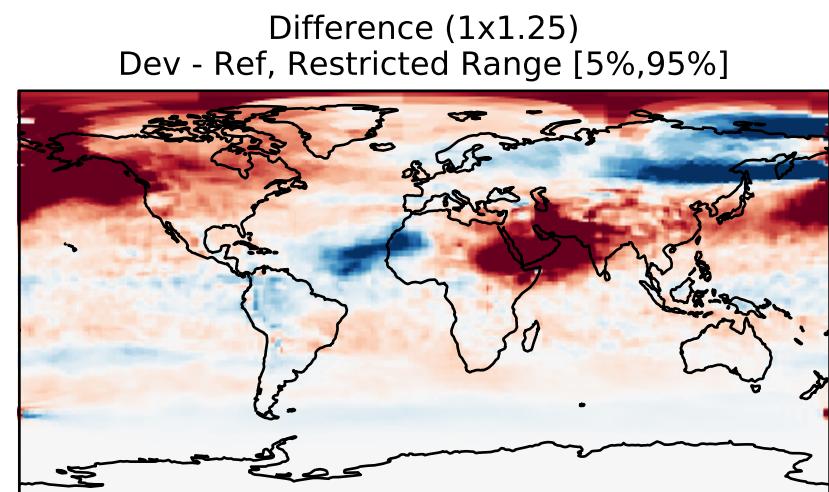
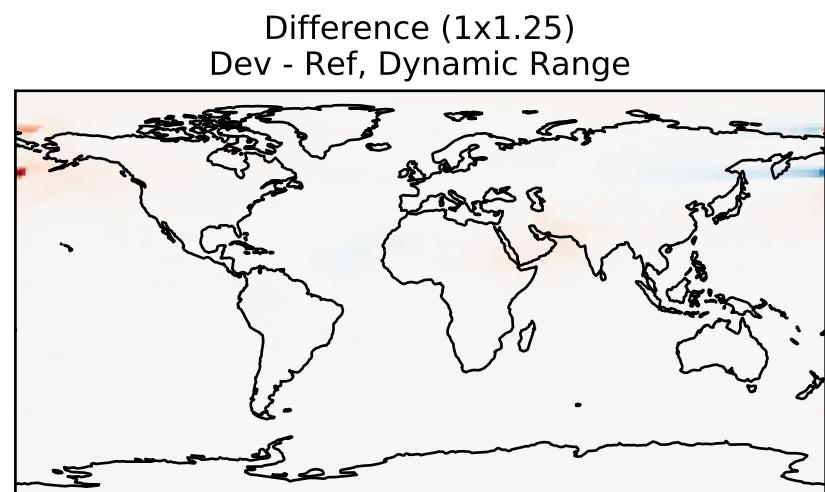
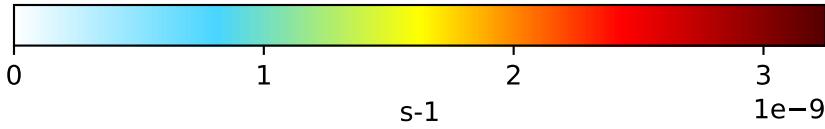
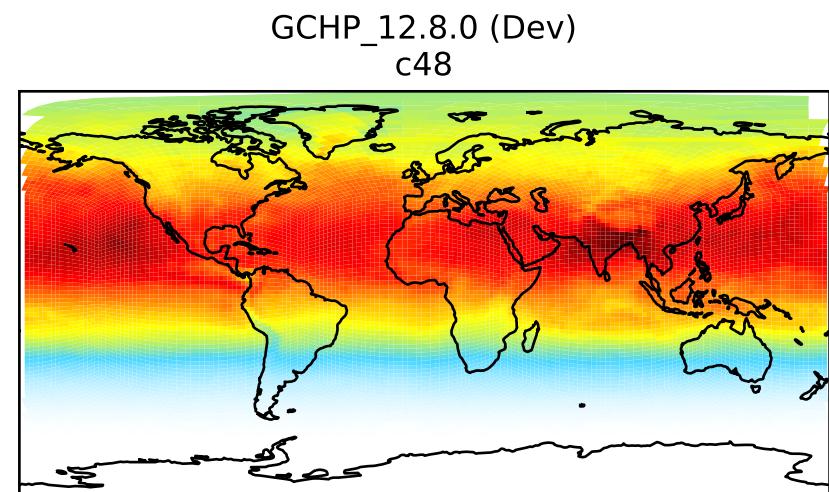
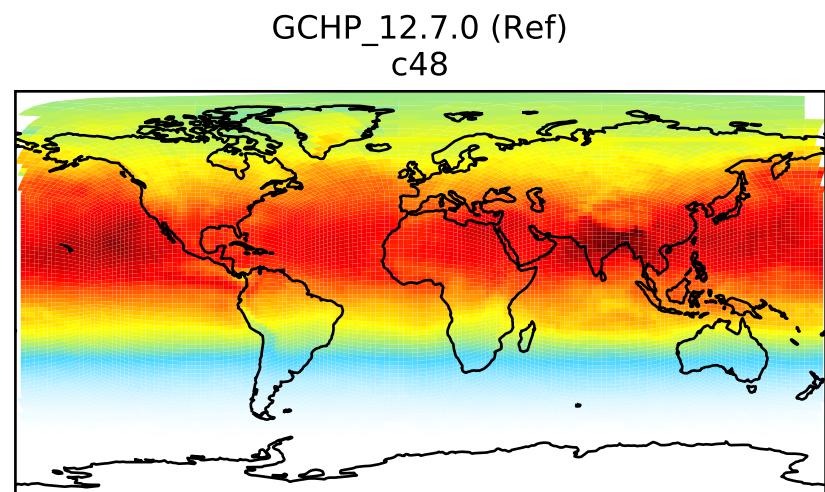
Jval_GLYC



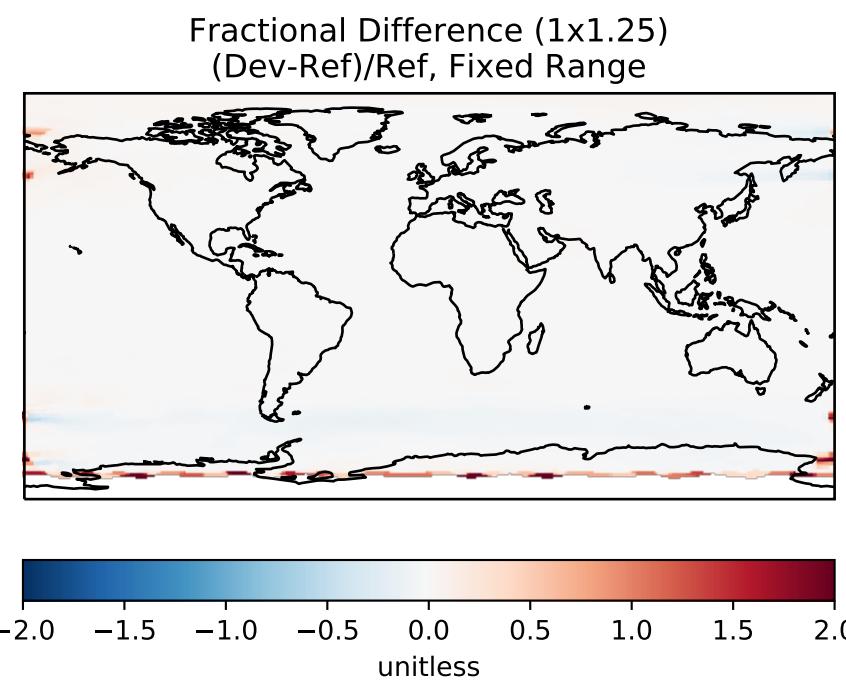
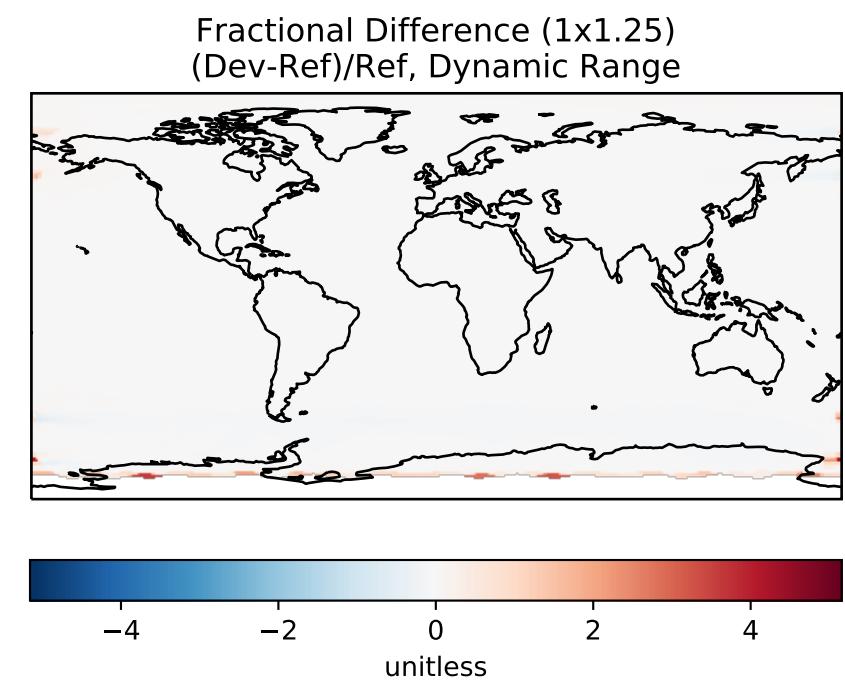
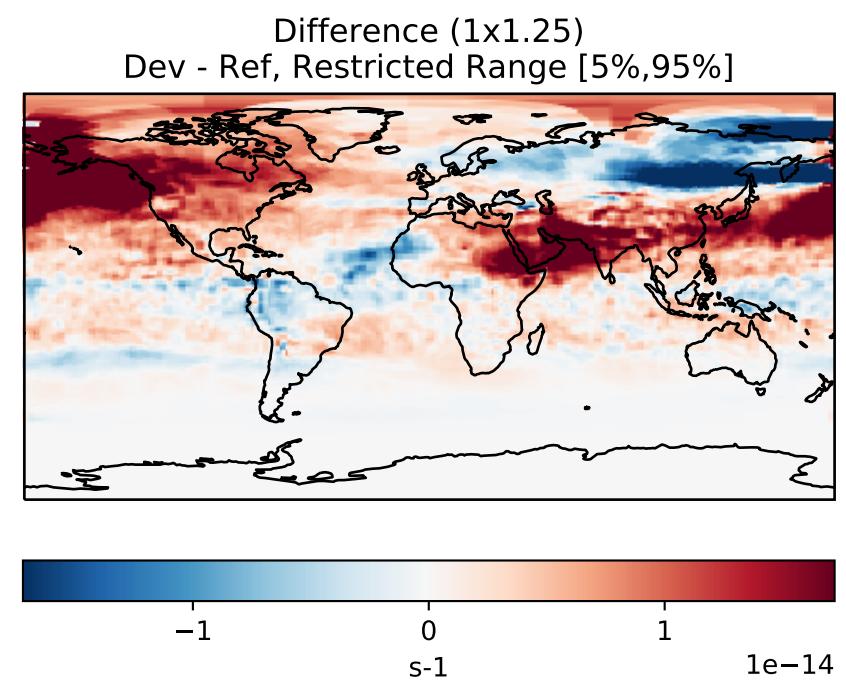
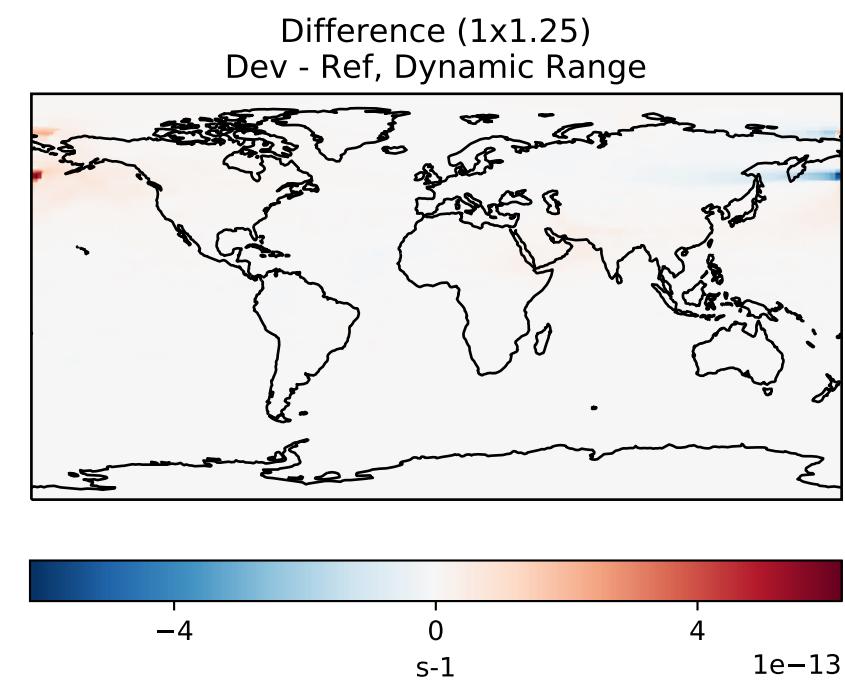
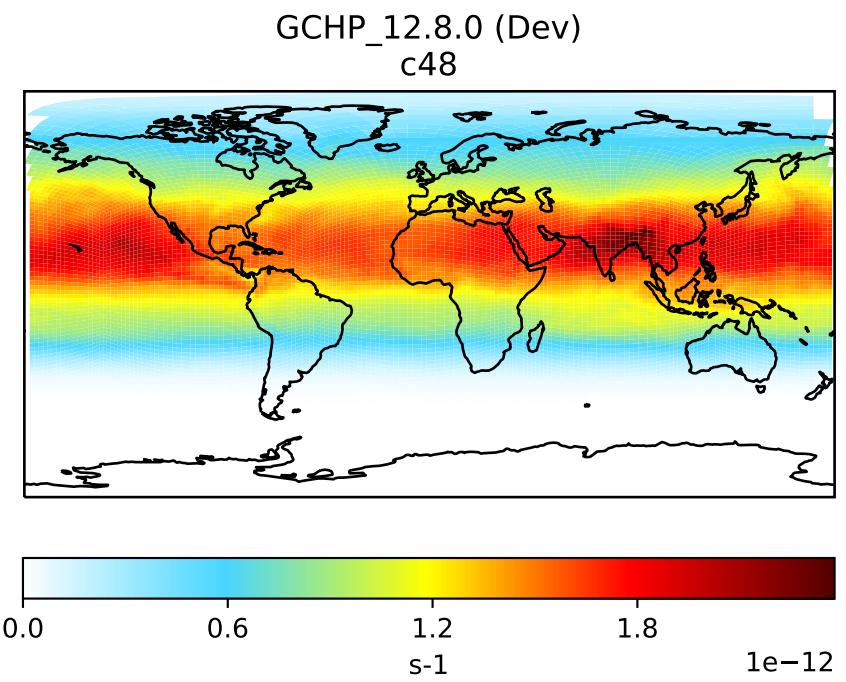
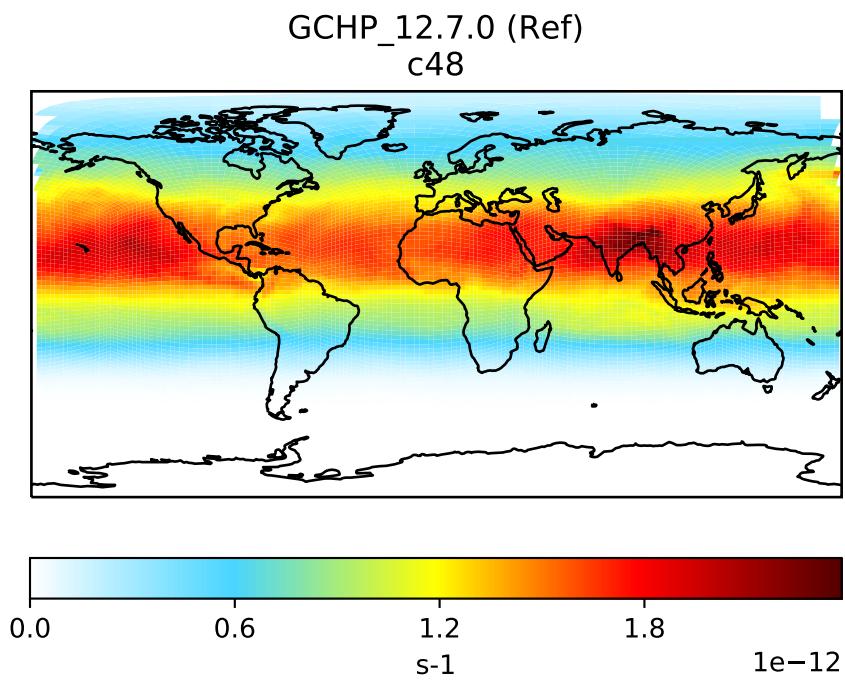
Jval_GLYX



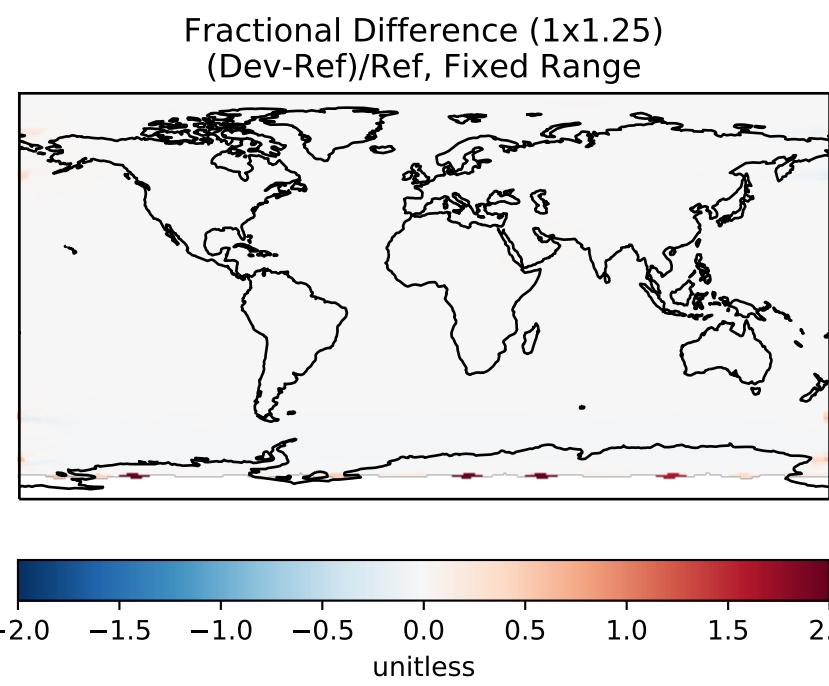
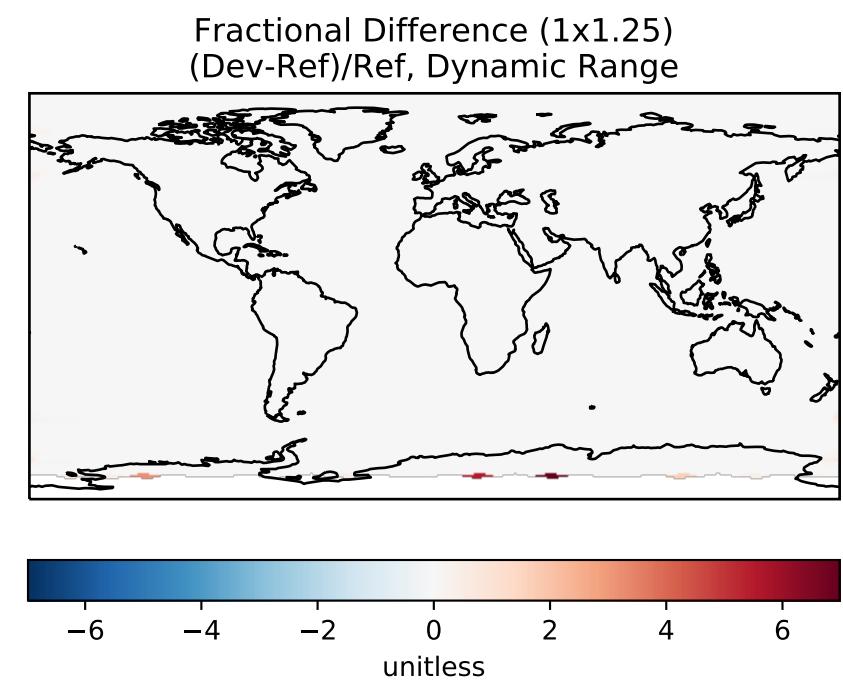
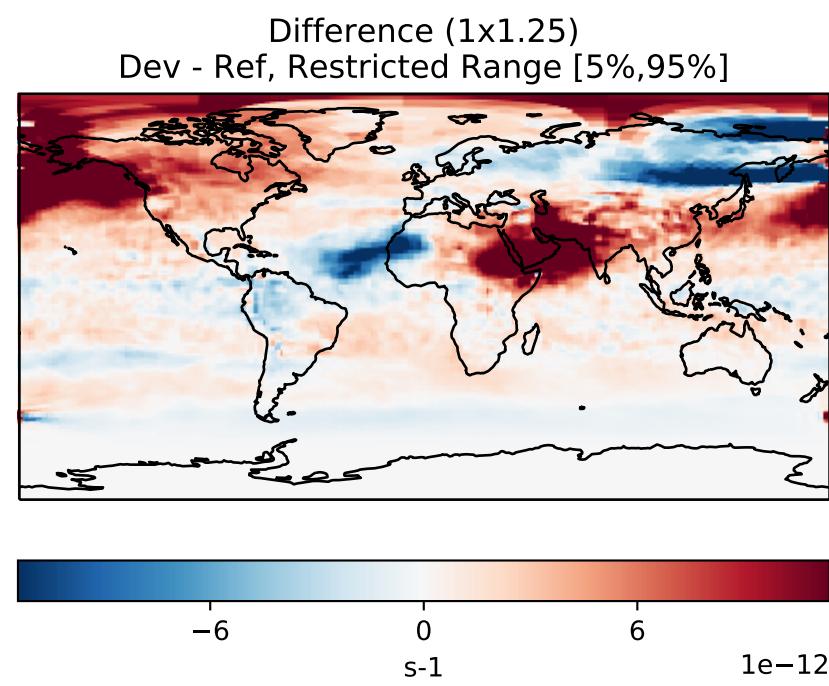
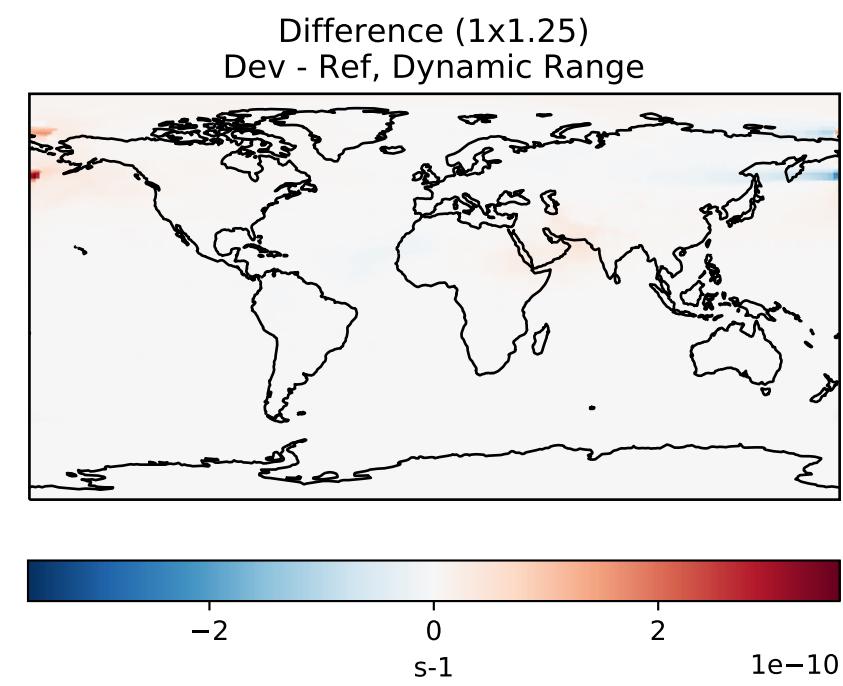
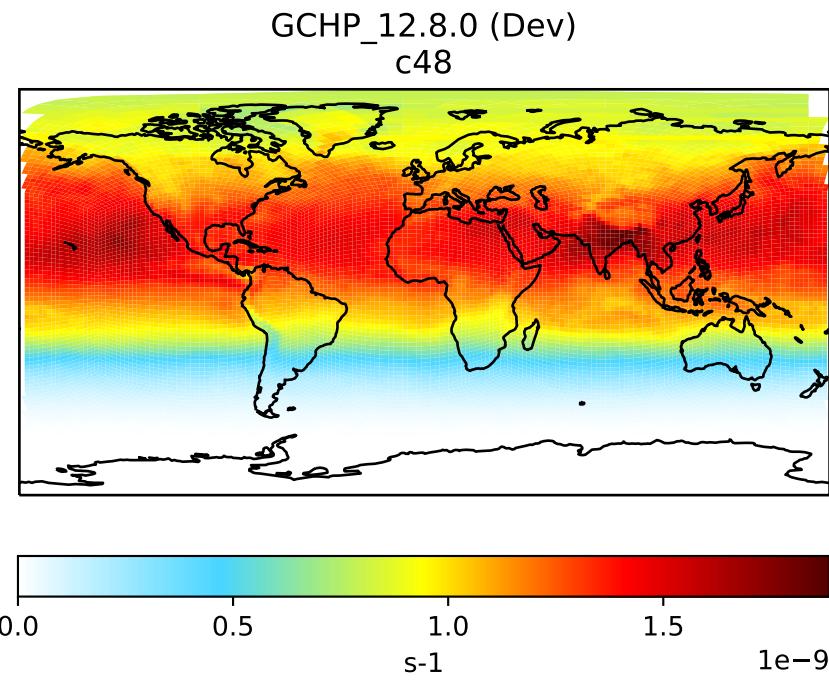
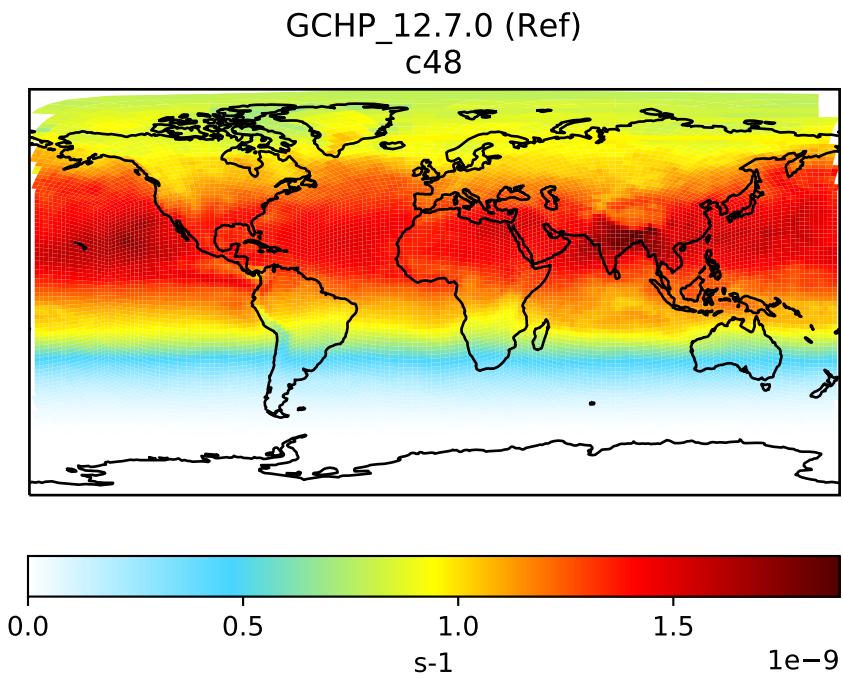
Jval_H1211



Jval_H1301

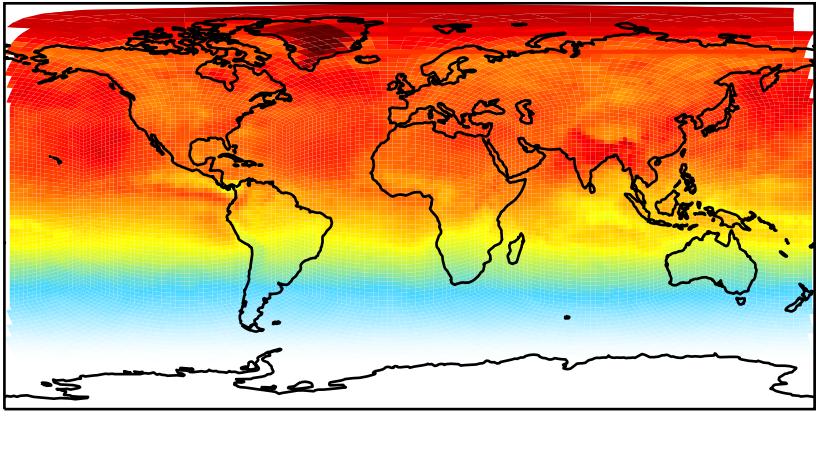


Jval_H2402

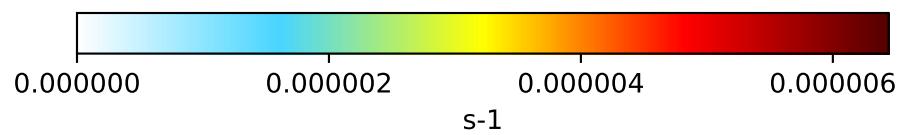
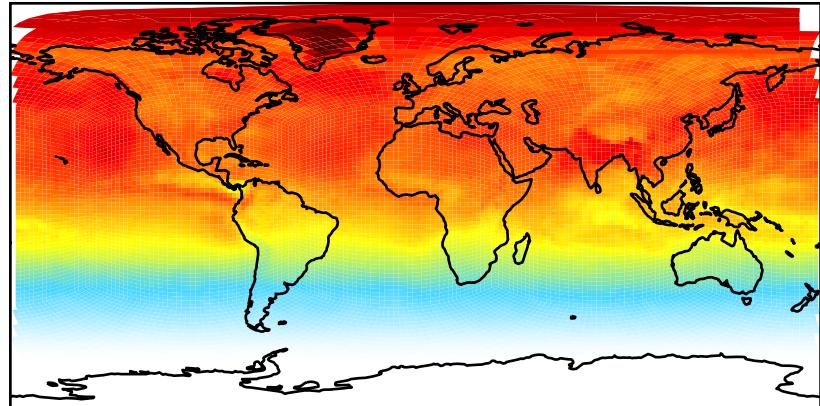


Jval_H2O2

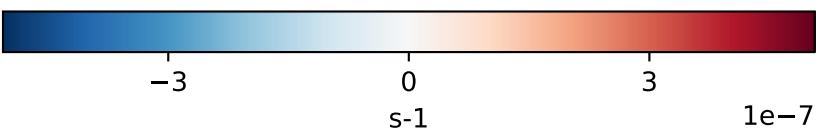
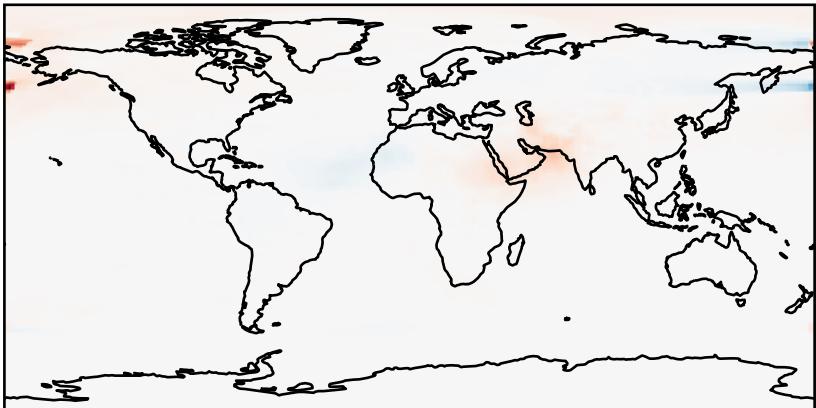
GCHP_12.7.0 (Ref)
c48



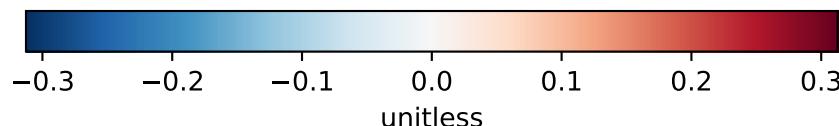
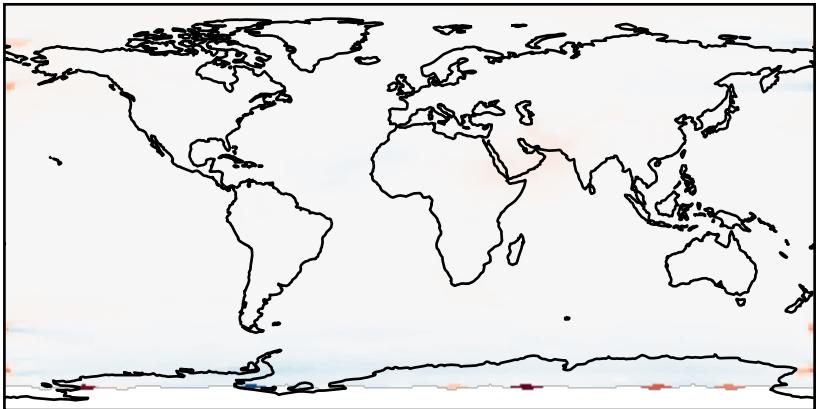
GCHP_12.8.0 (Dev)
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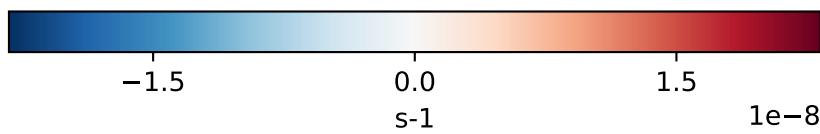
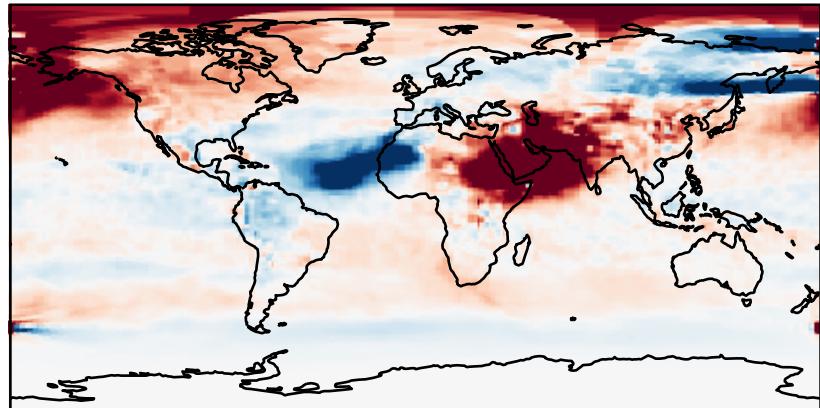
Difference (1x1.25)
Dev - Ref, Dynamic Range



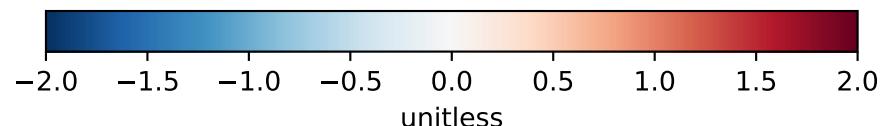
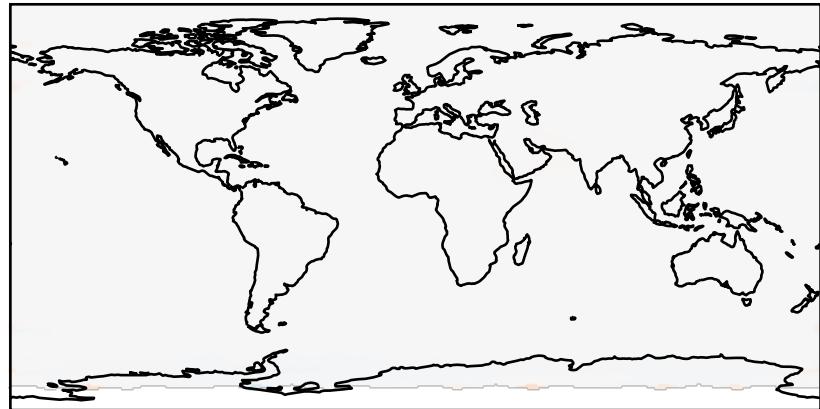
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



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

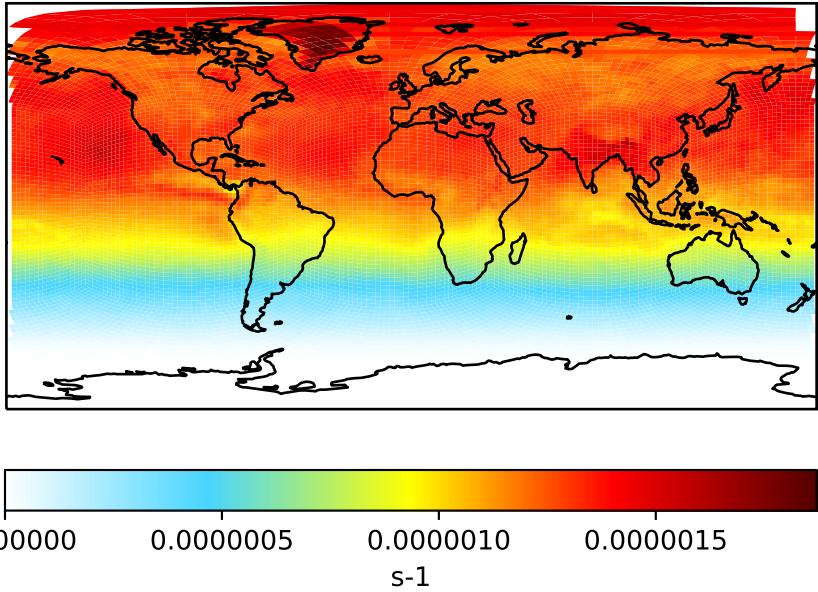


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

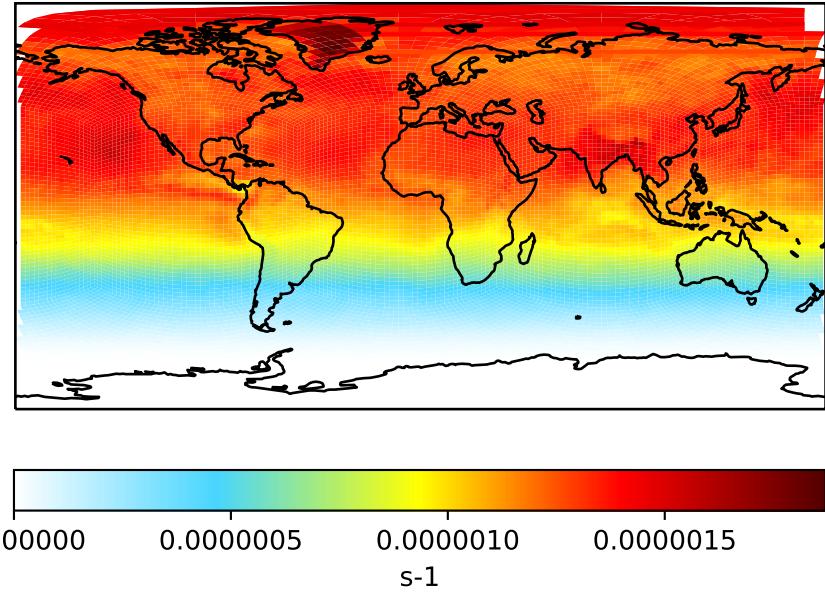


Jval_HAC

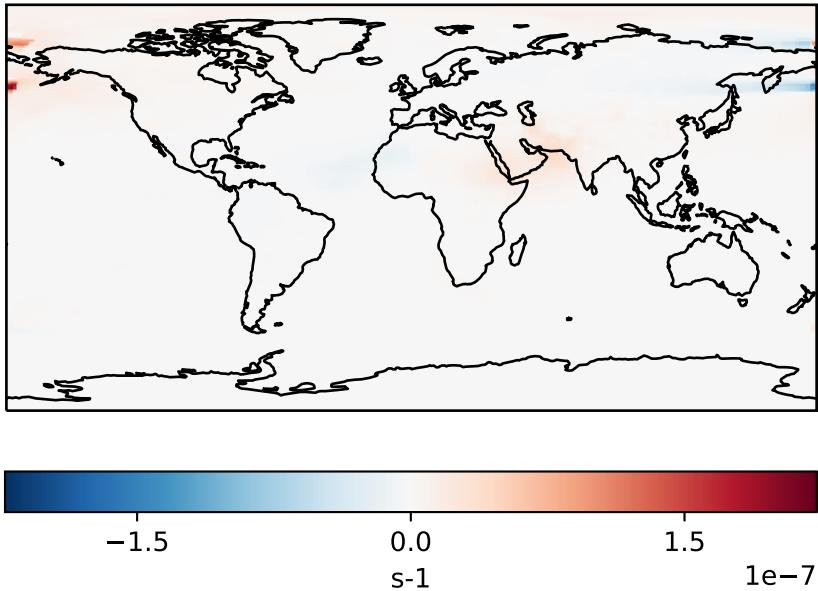
GCHP_12.7.0 (Ref)
c48



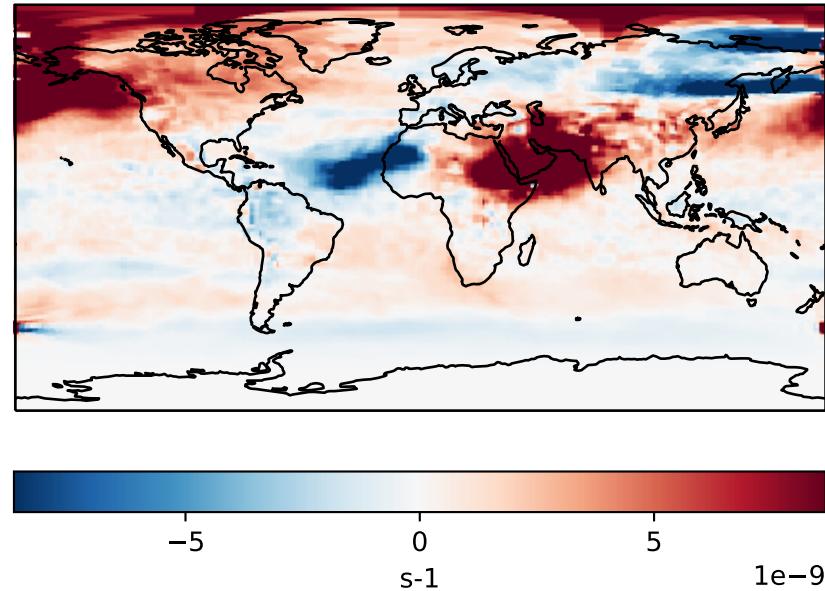
GCHP_12.8.0 (Dev)
c48



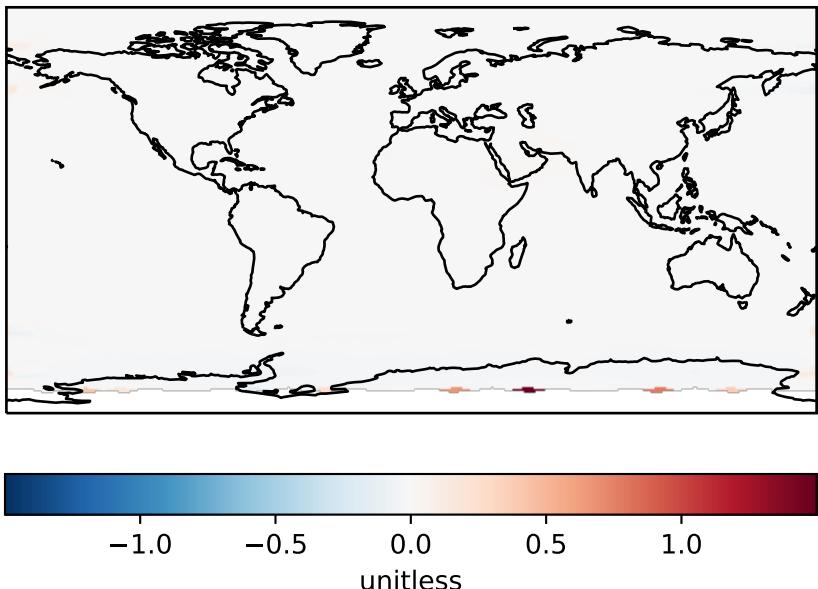
Difference (1x1.25)
Dev - Ref, Dynamic Range



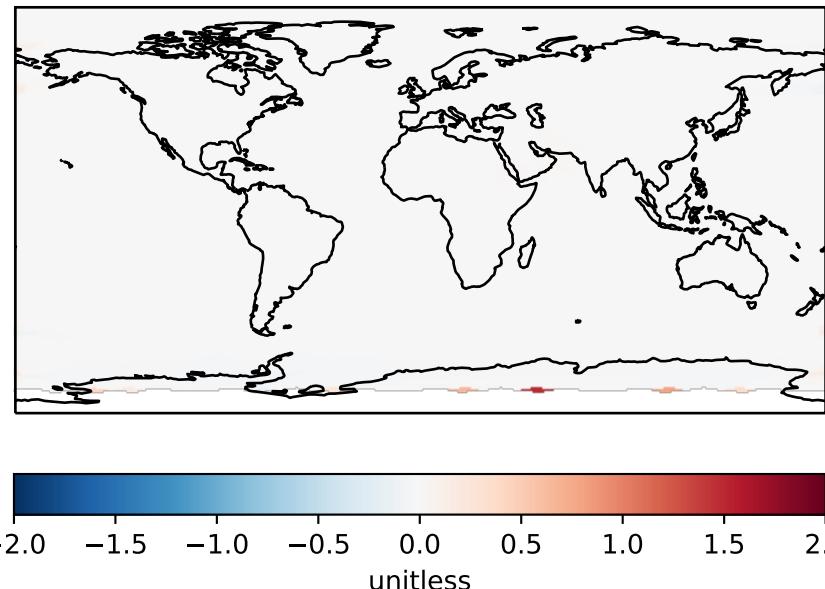
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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



Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



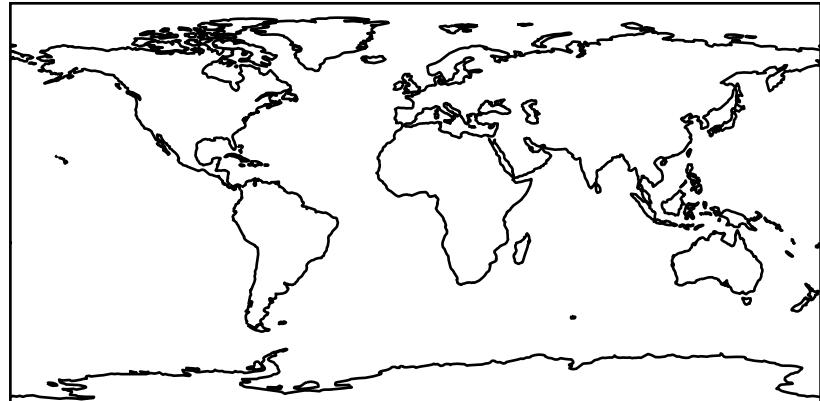
Jval_HC5A

GCHP_12.7.0 (Ref)
c48



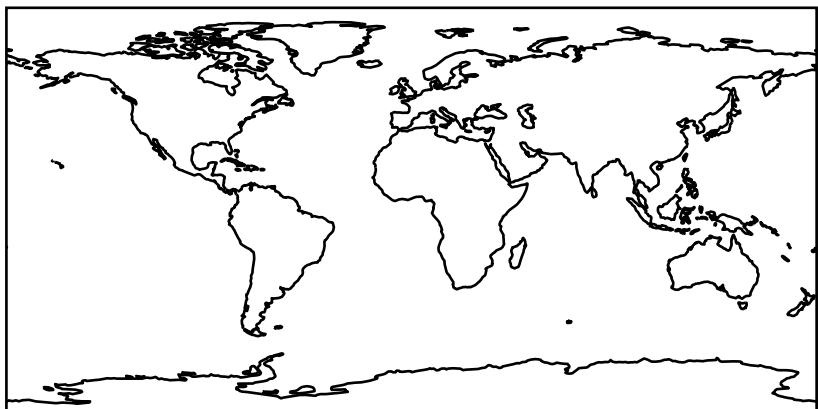
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GCHP_12.8.0 (Dev)
c48



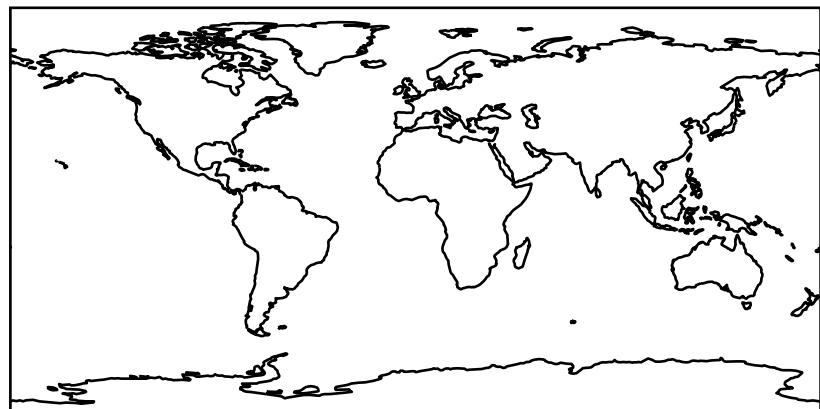
Zero throughout domain
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Difference (1x1.25)
Dev - Ref, Dynamic Range



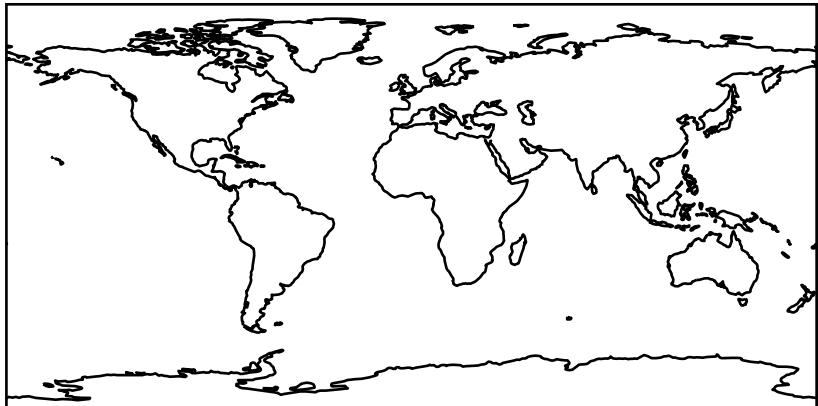
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Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



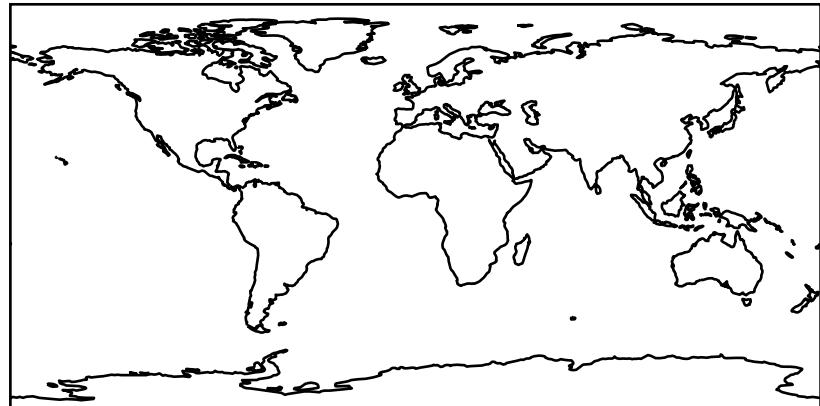
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



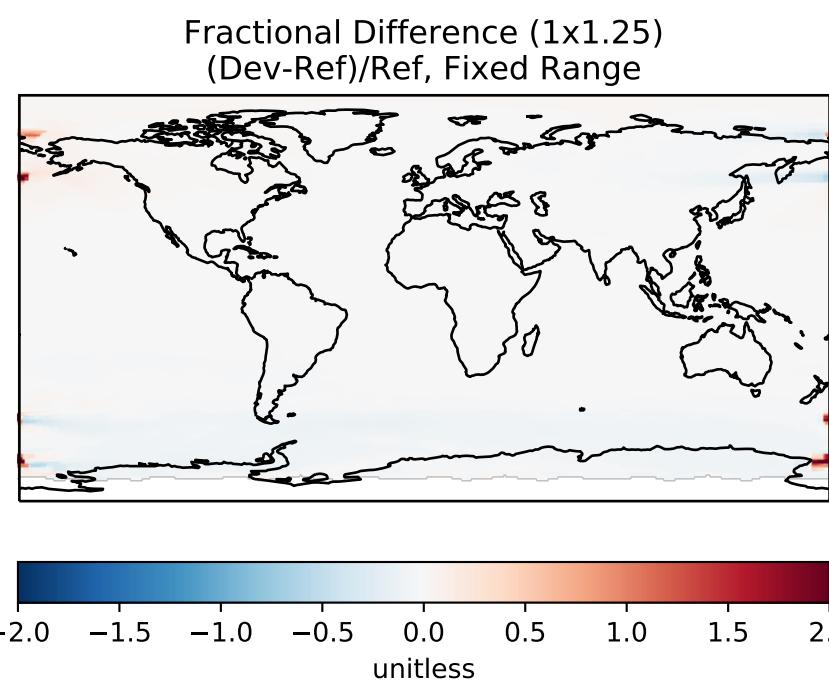
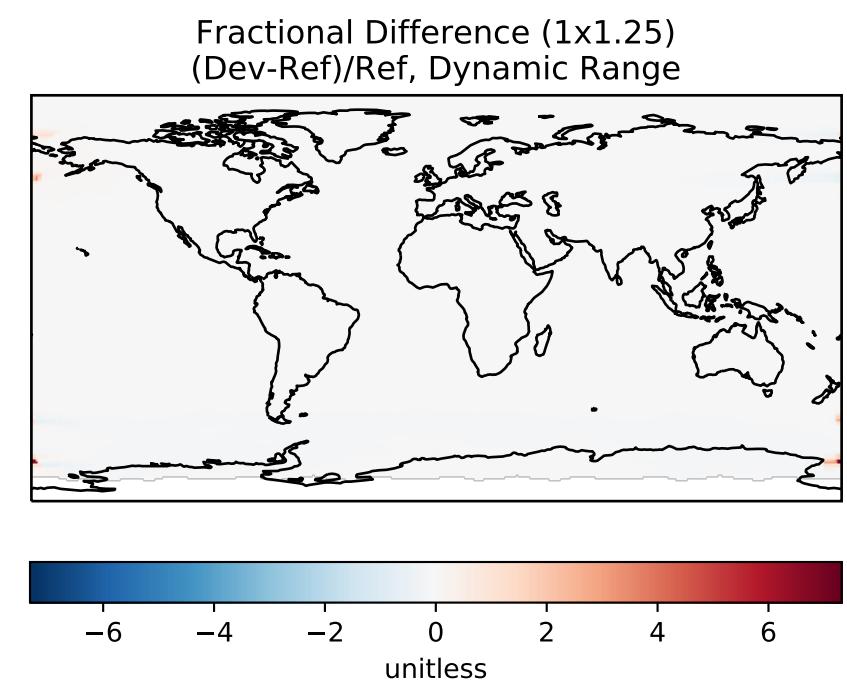
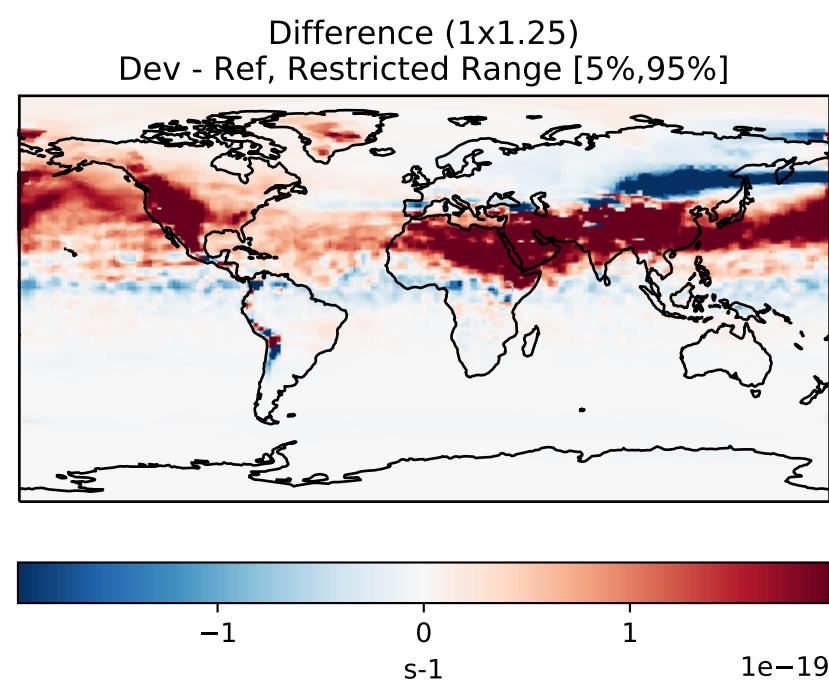
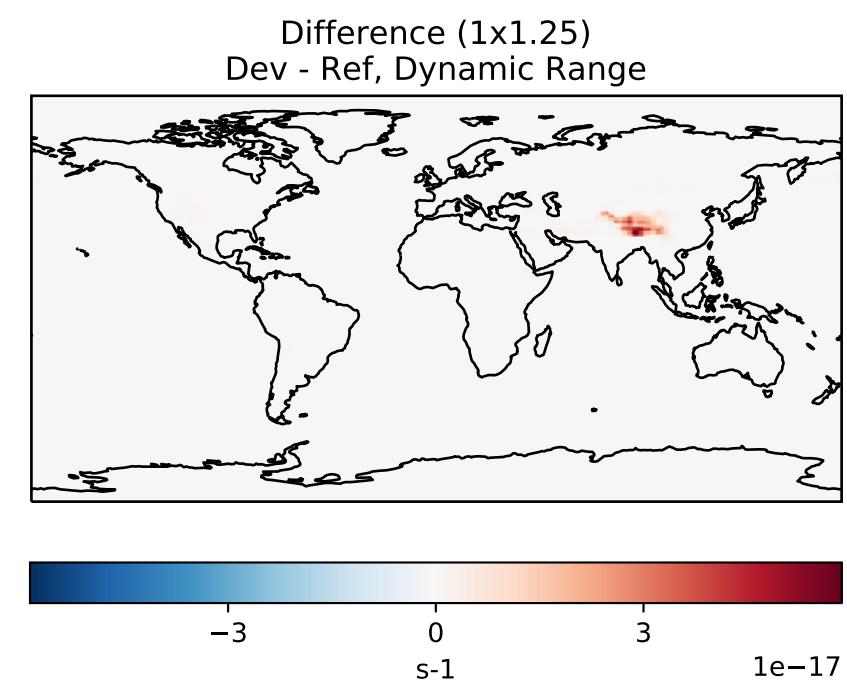
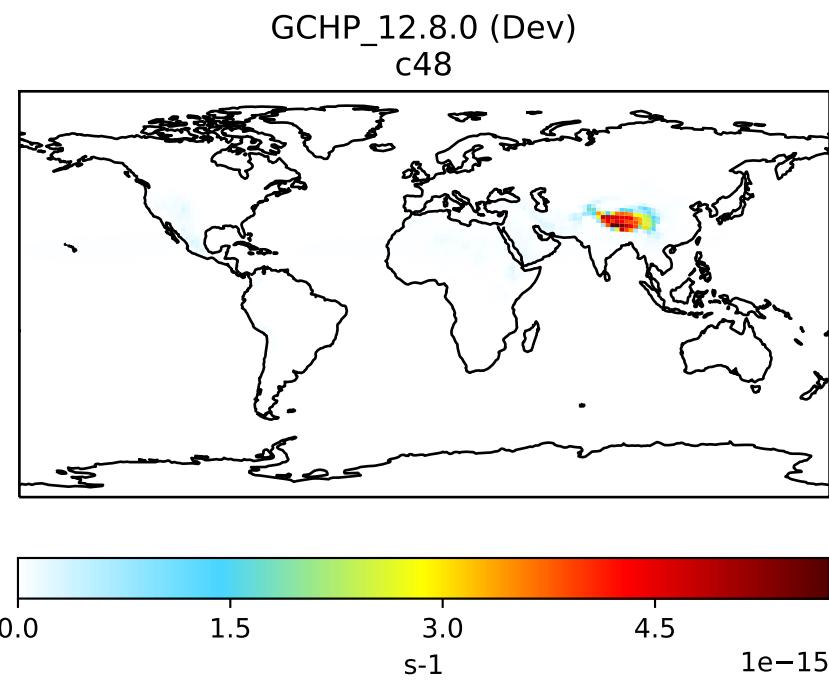
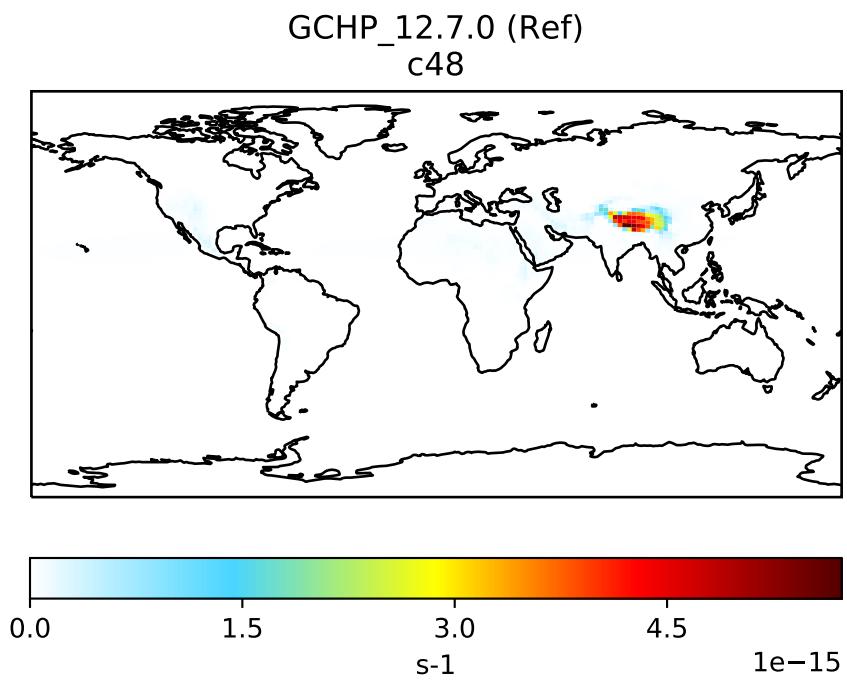
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

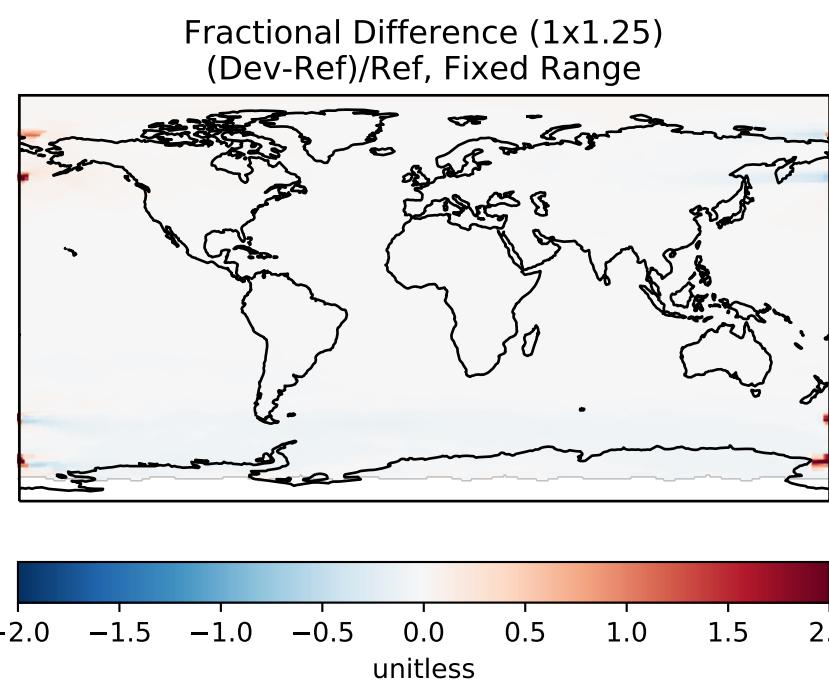
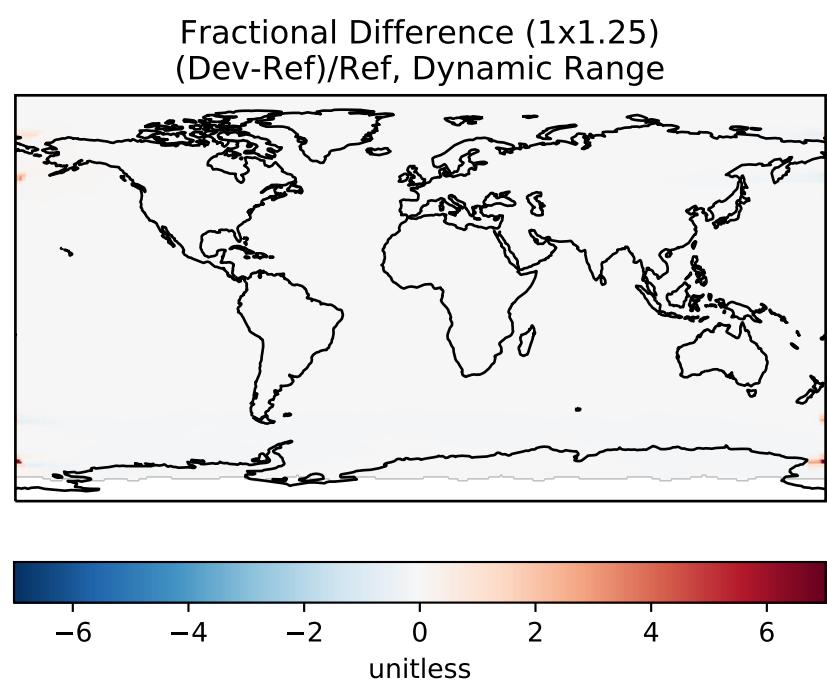
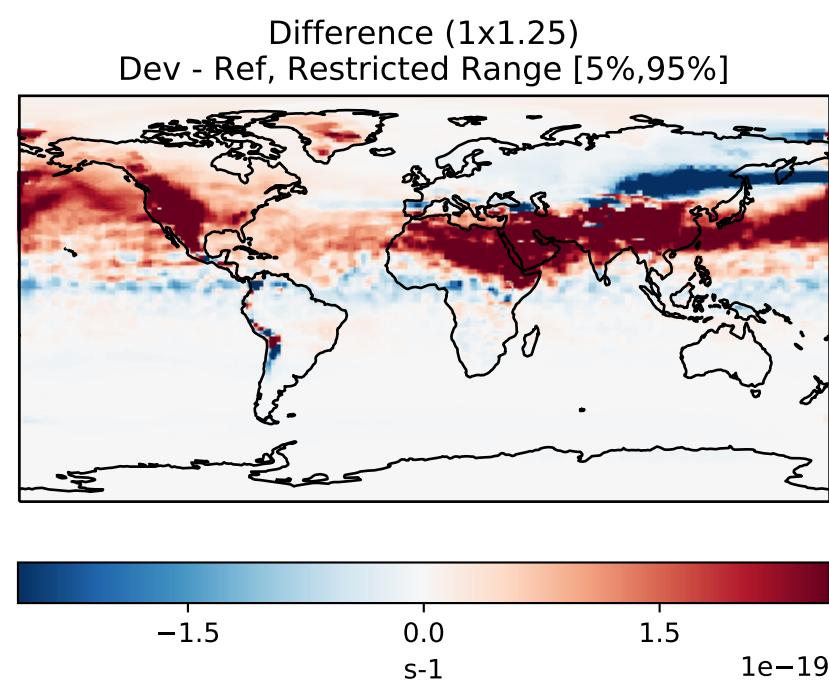
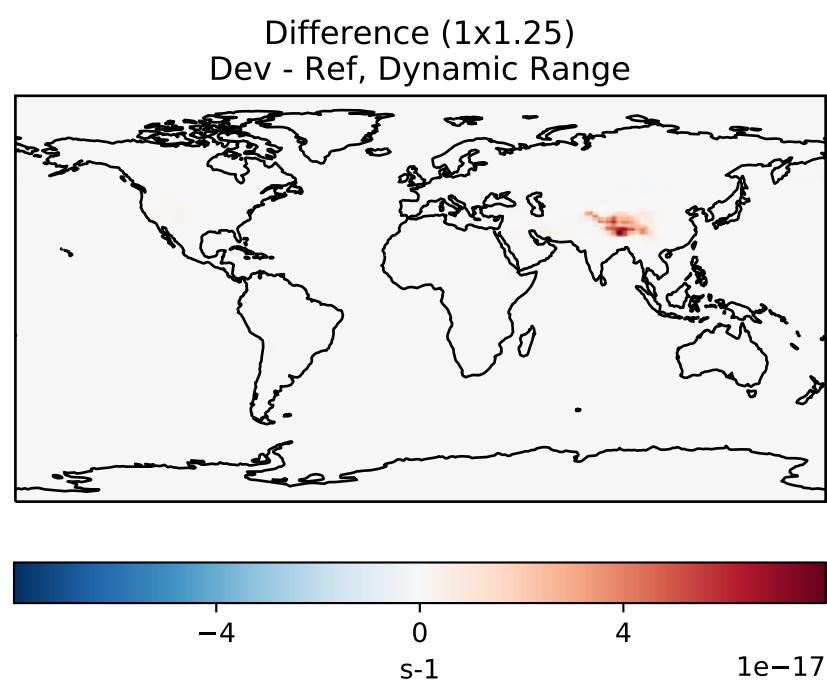
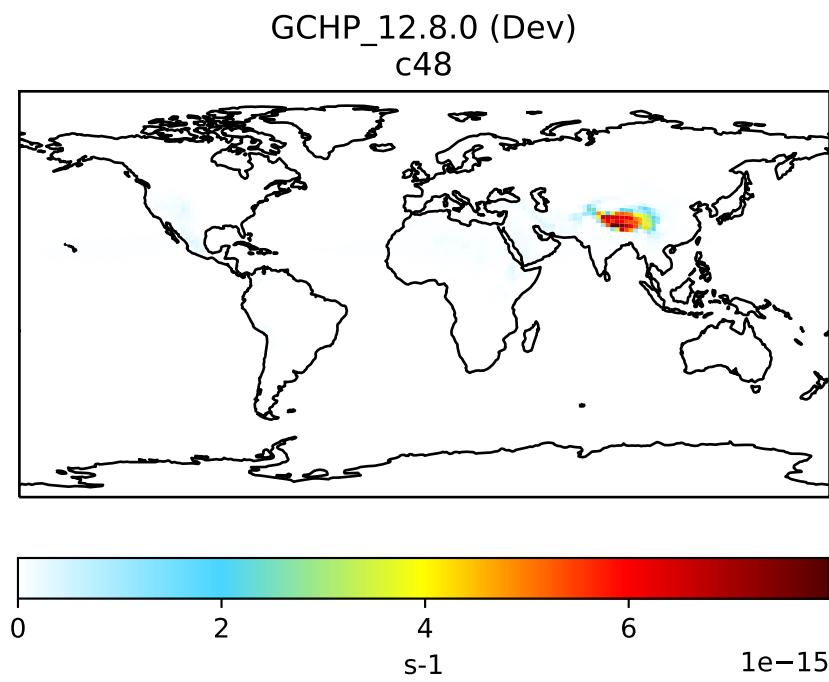
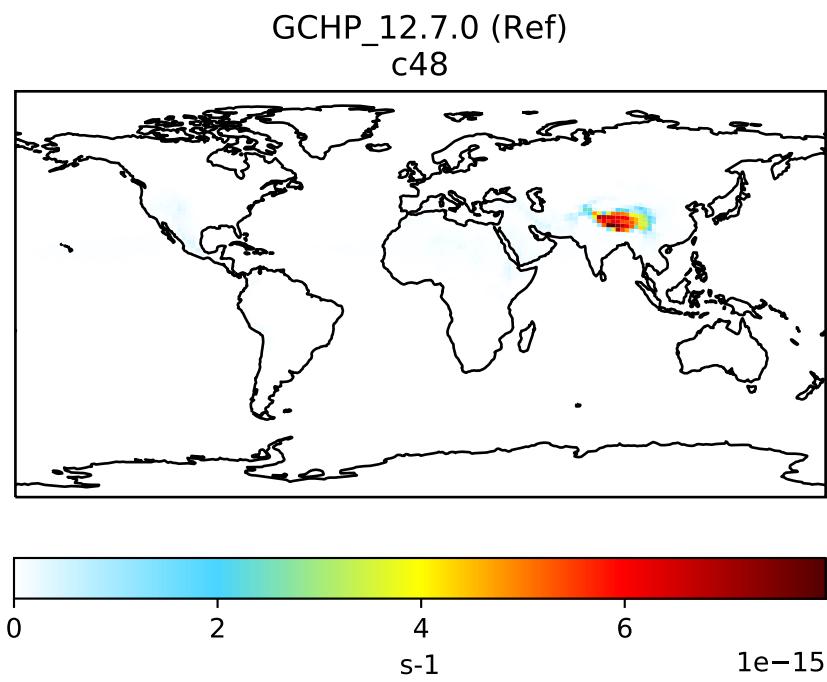


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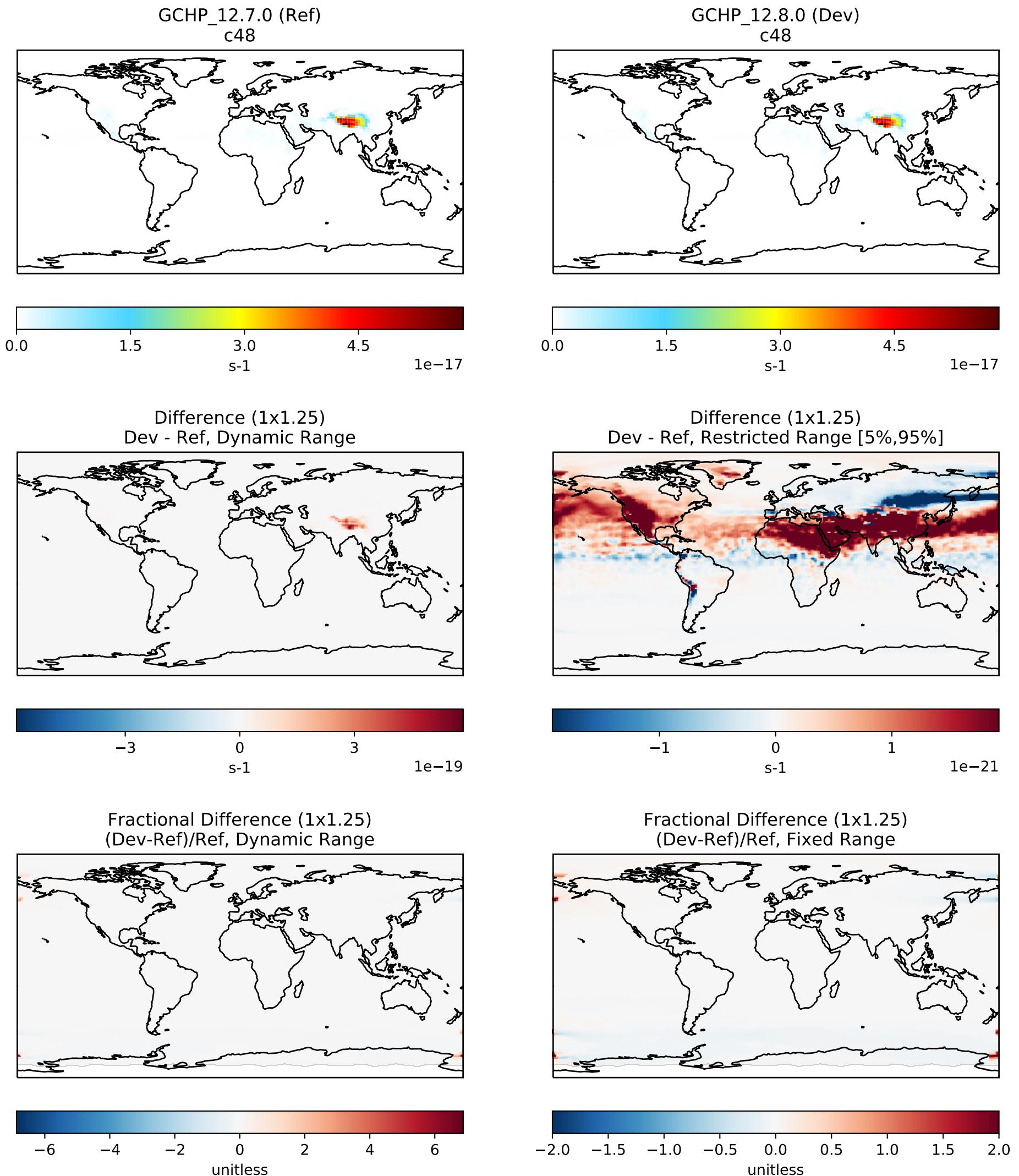
Jval_HCFC123



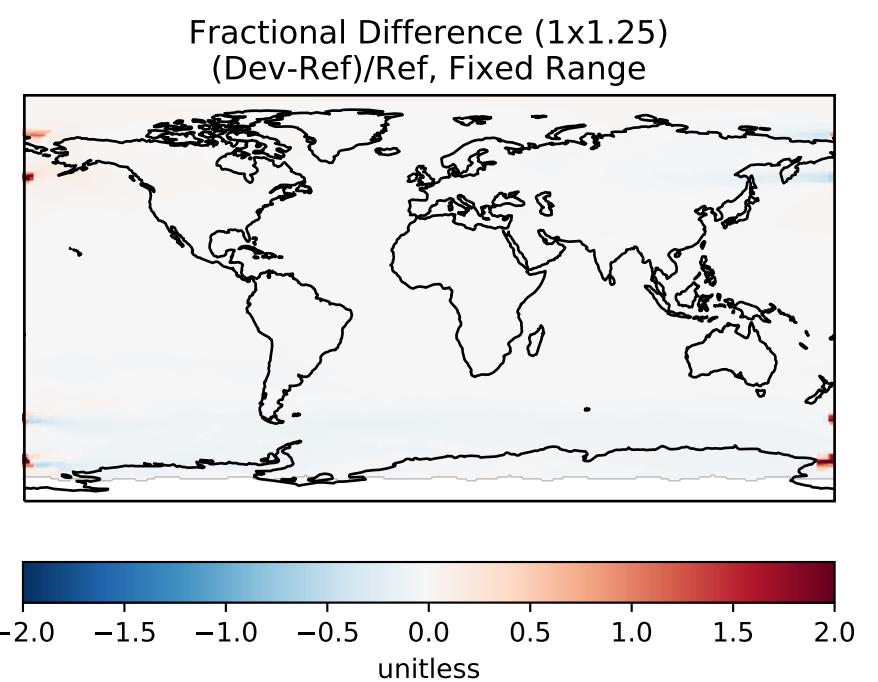
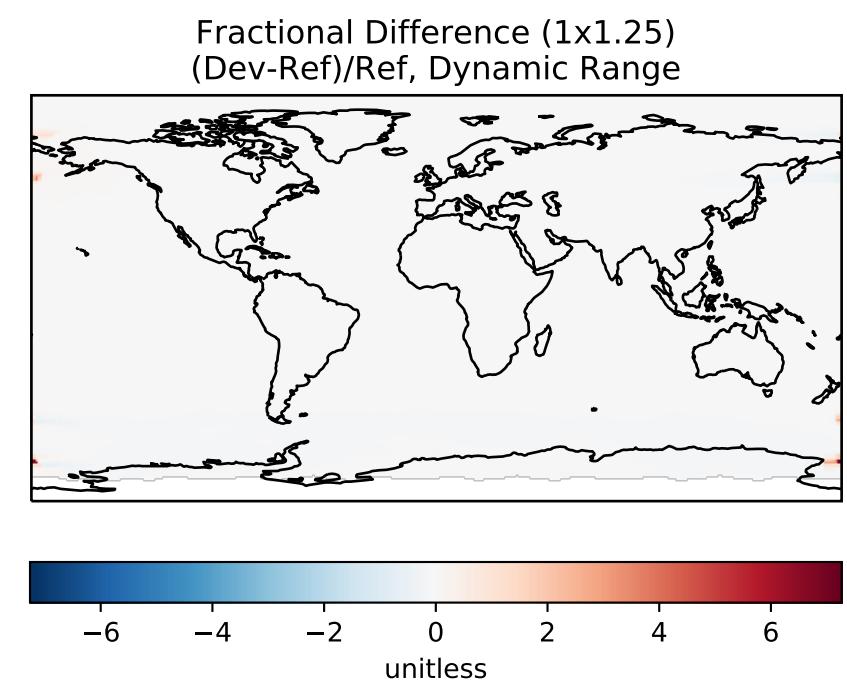
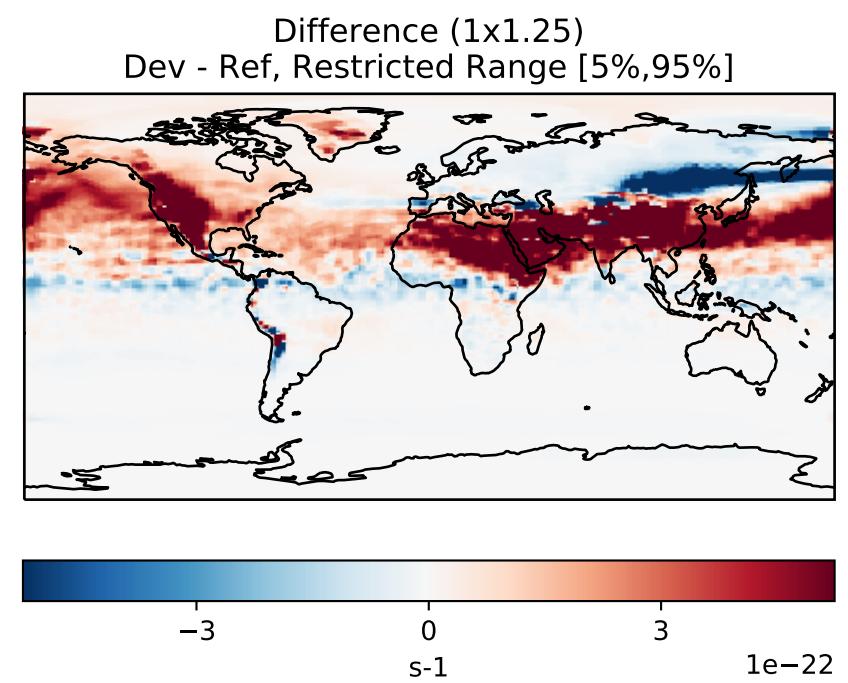
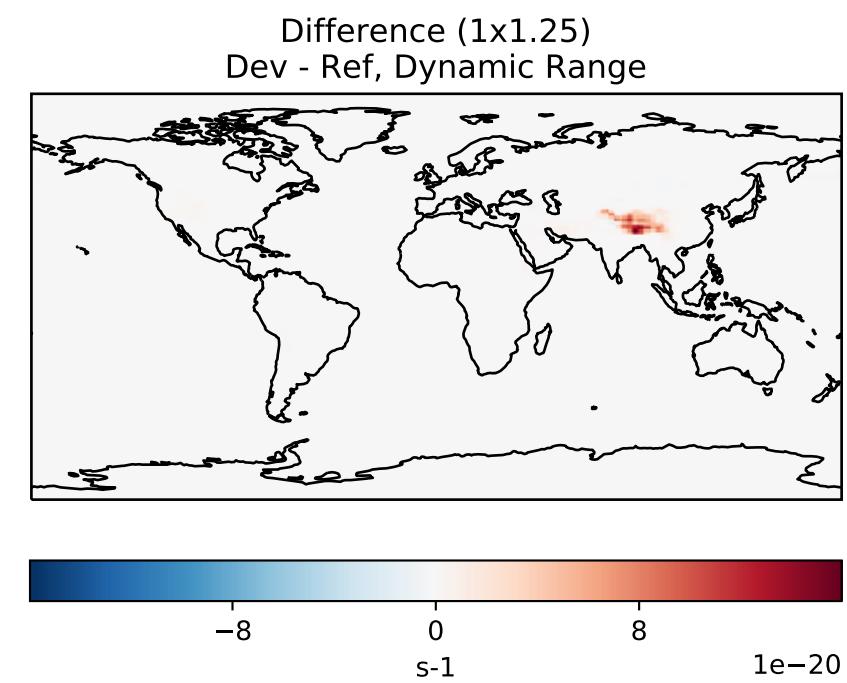
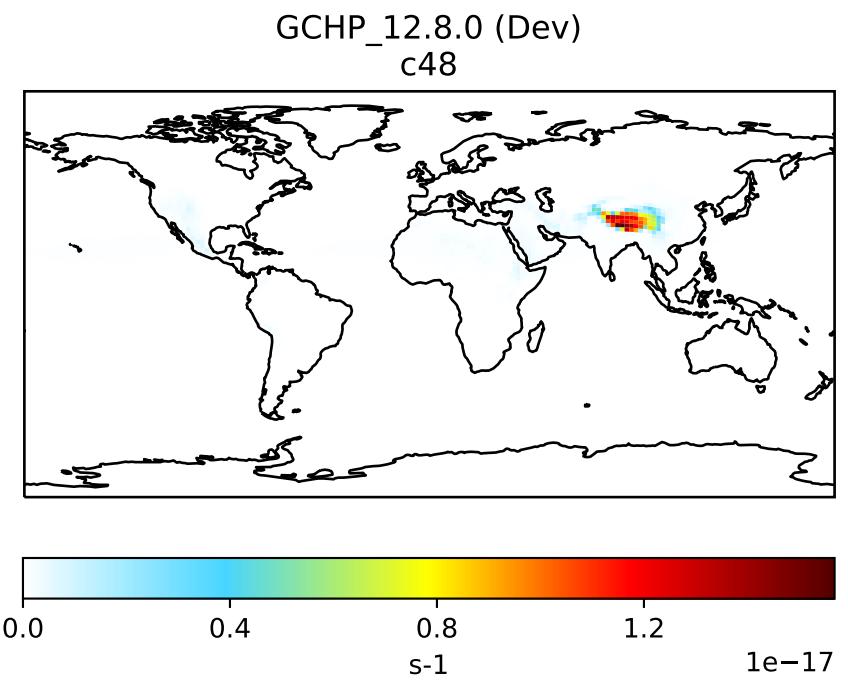
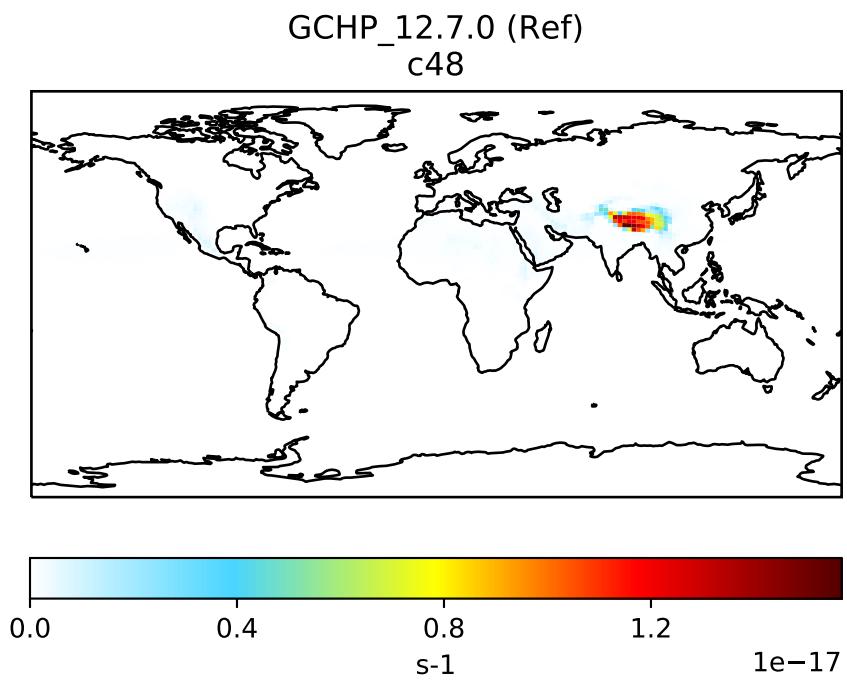
Jval_HCFC141B



Jval_HCFC142B

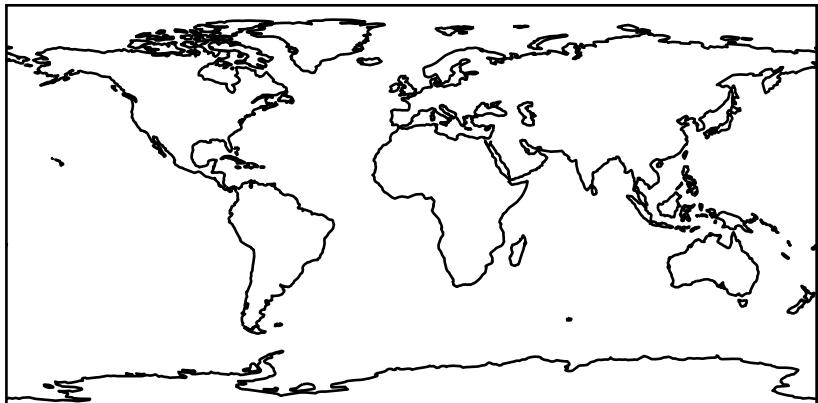


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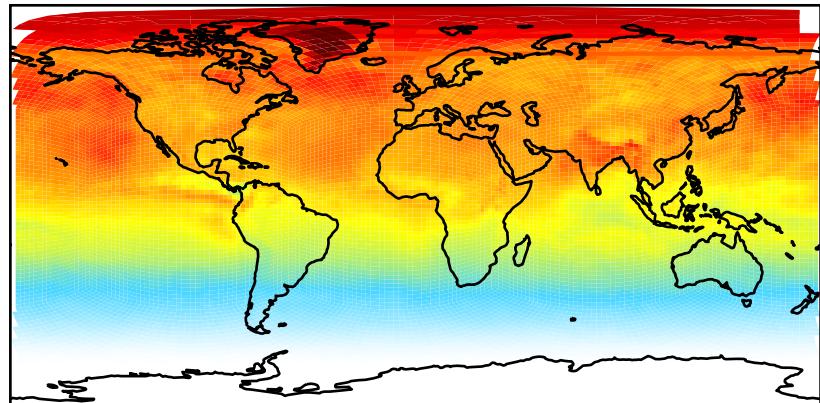
Jval_HMHP

GCHP_12.7.0 (Ref)
c48



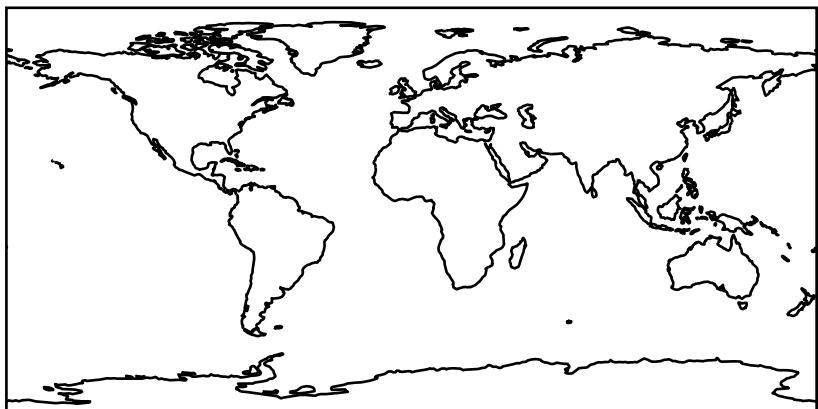
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s-1

GCHP_12.8.0 (Dev)
c48



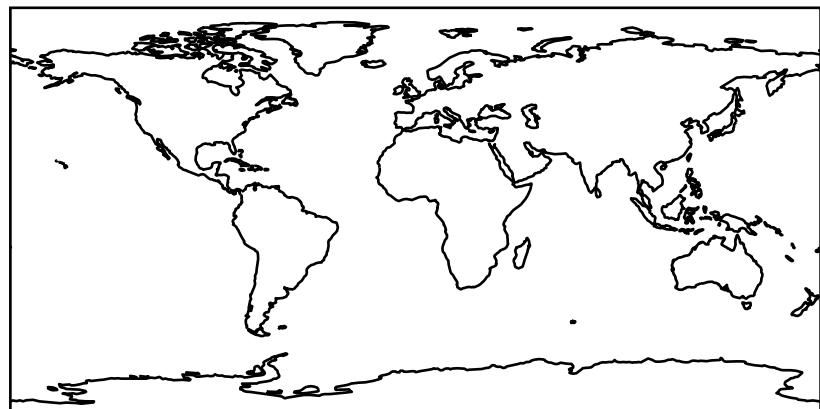
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s-1

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



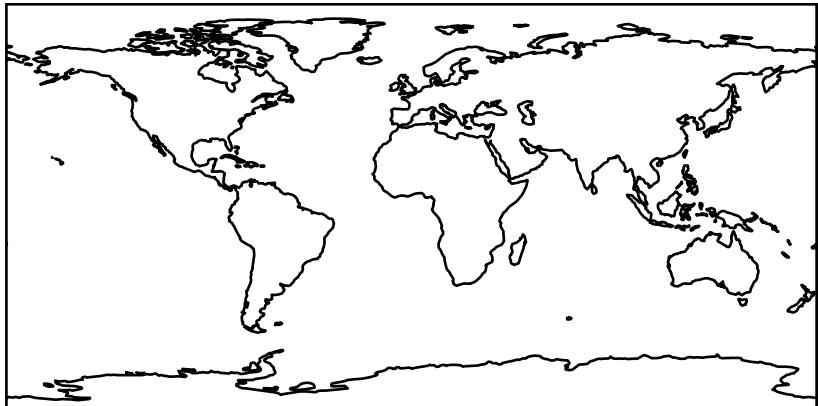
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s-1

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



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s-1

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



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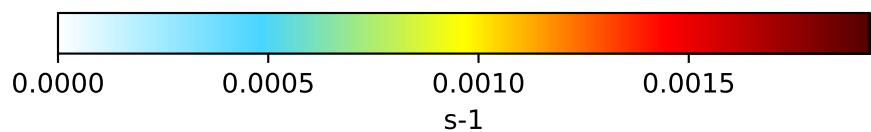
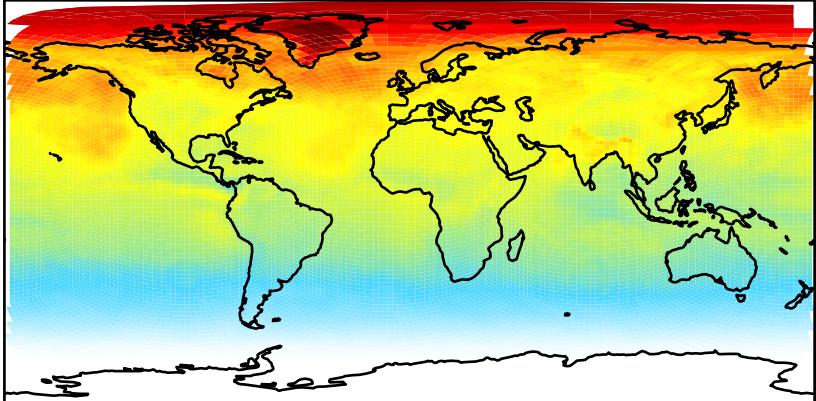
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



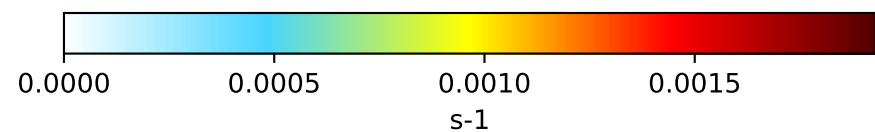
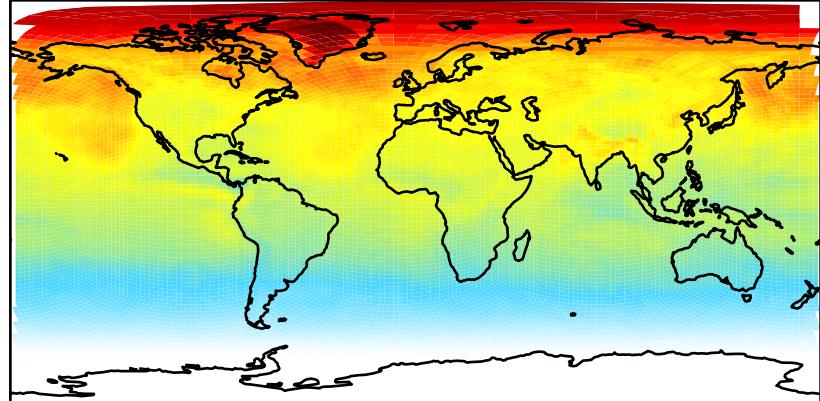
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Jval_HNO2

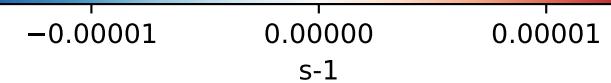
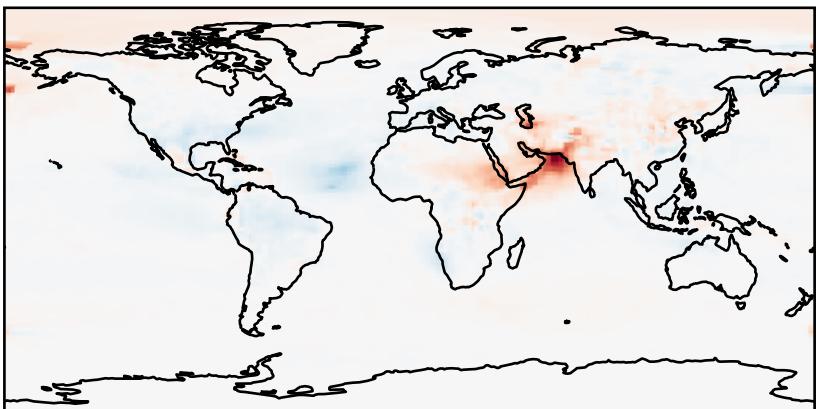
GCHP_12.7.0 (Ref)
c48



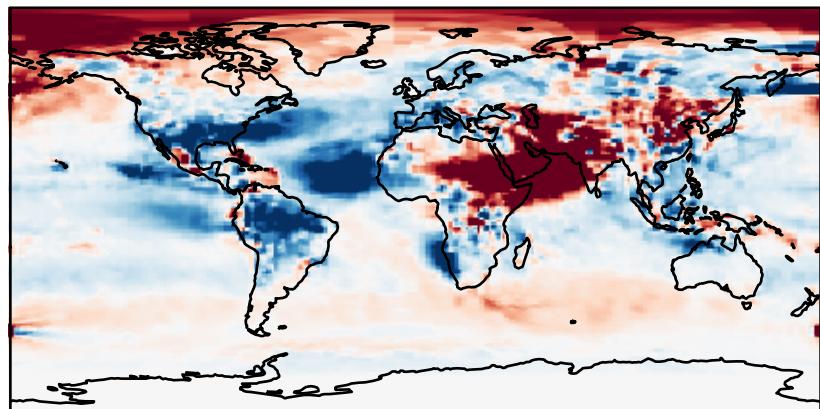
GCHP_12.8.0 (Dev)
c48



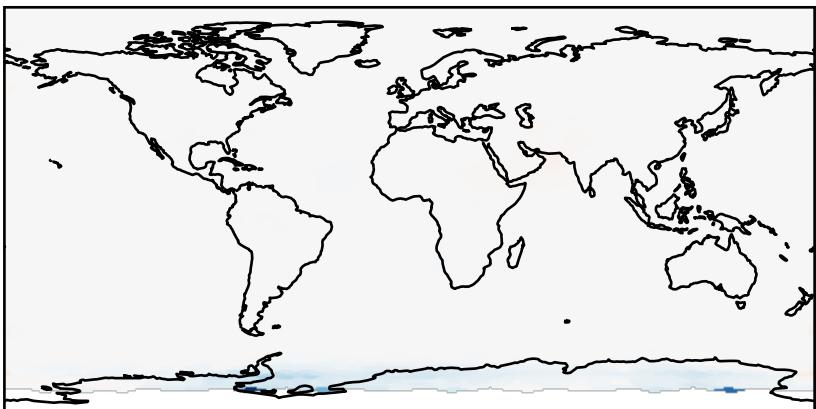
Difference (1x1.25)
Dev - Ref, Dynamic Range



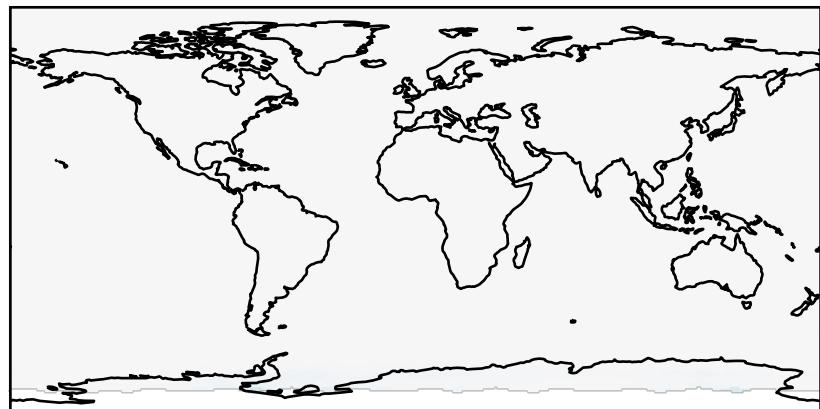
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

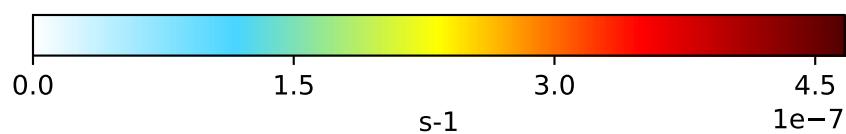
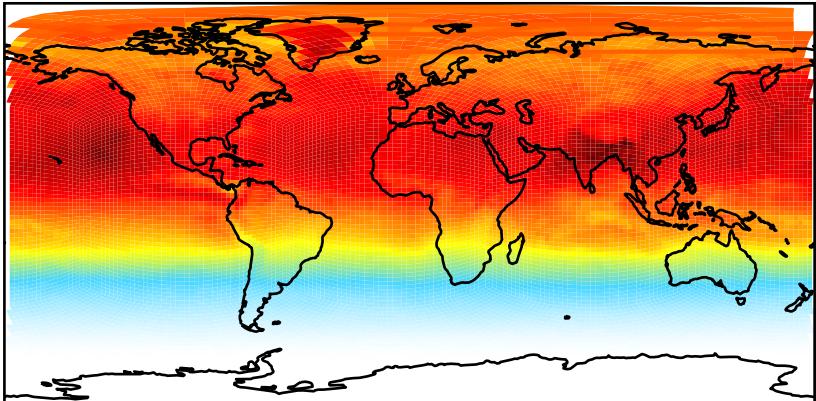


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

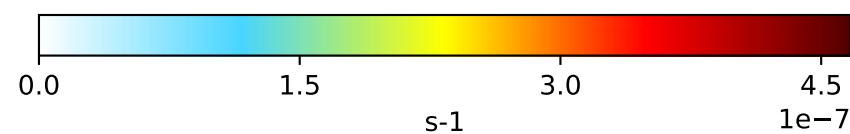
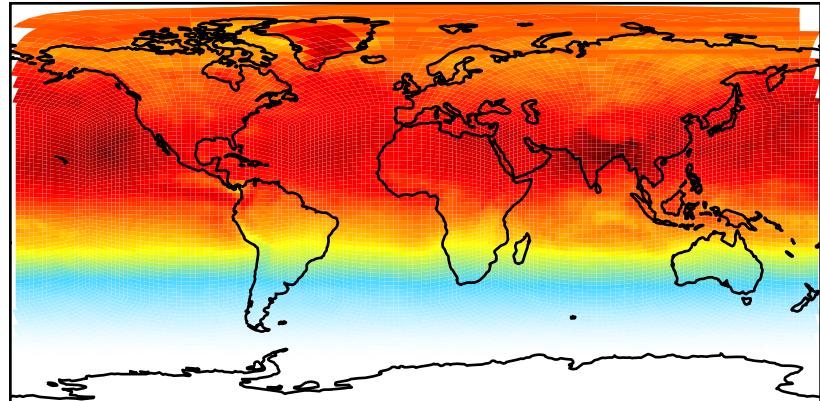


Jval_HNO3

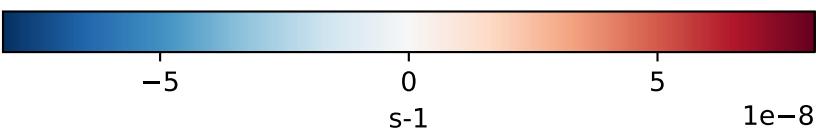
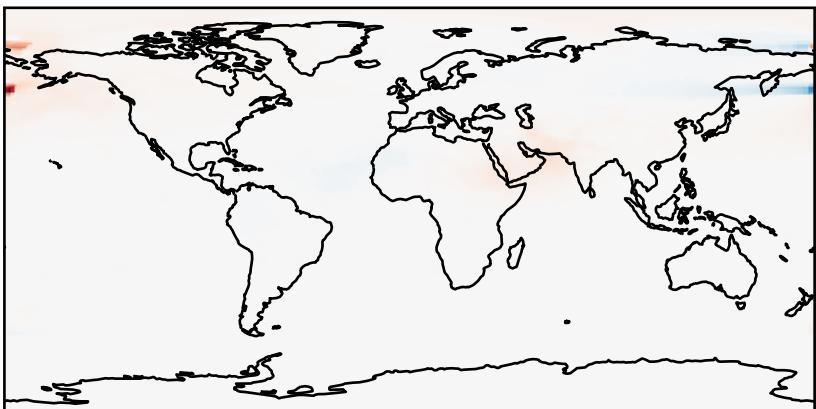
GCHP_12.7.0 (Ref)
c48



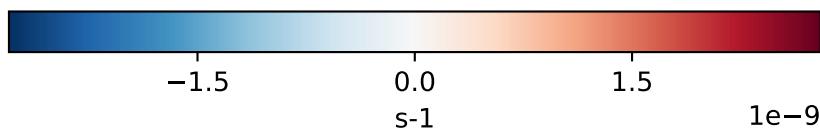
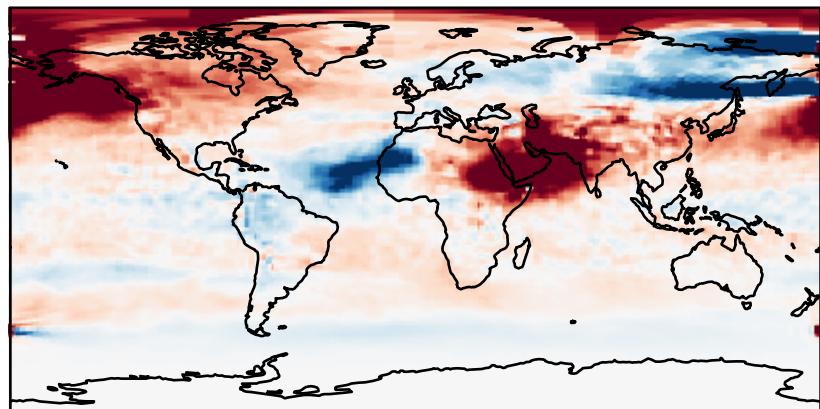
GCHP_12.8.0 (Dev)
c48



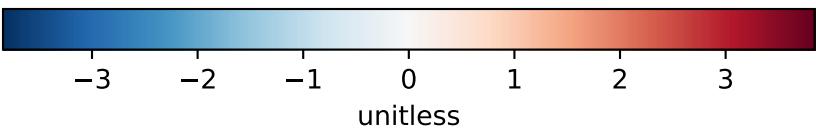
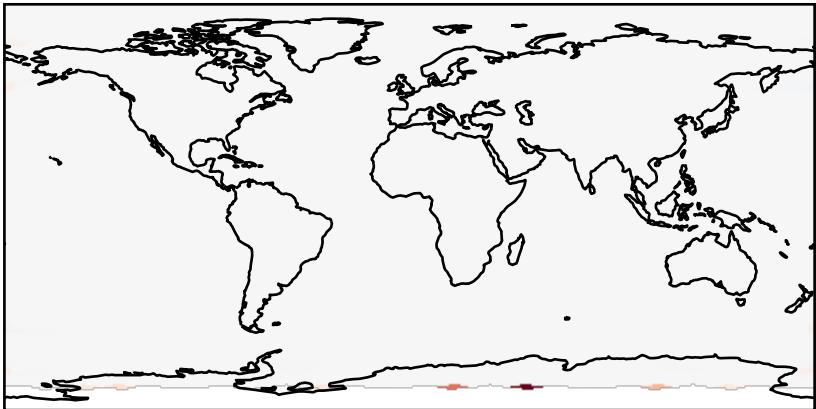
Difference (1x1.25)
Dev - Ref, Dynamic Range



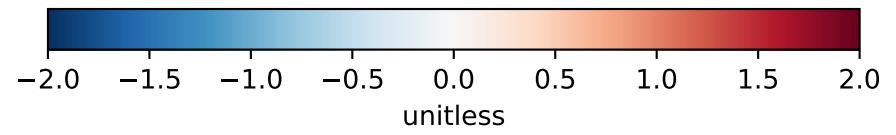
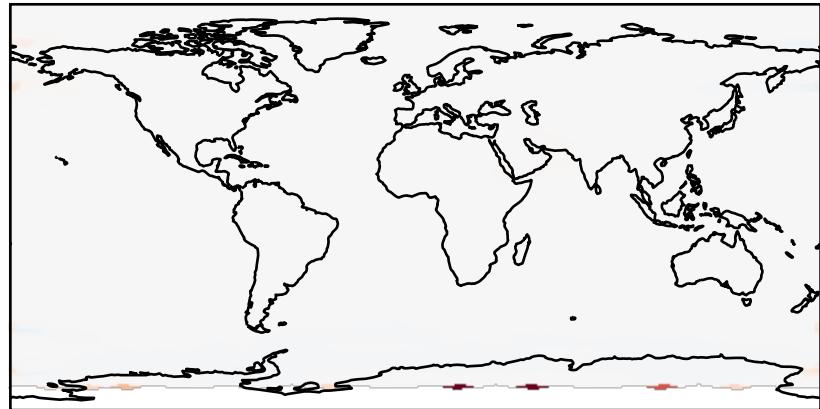
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



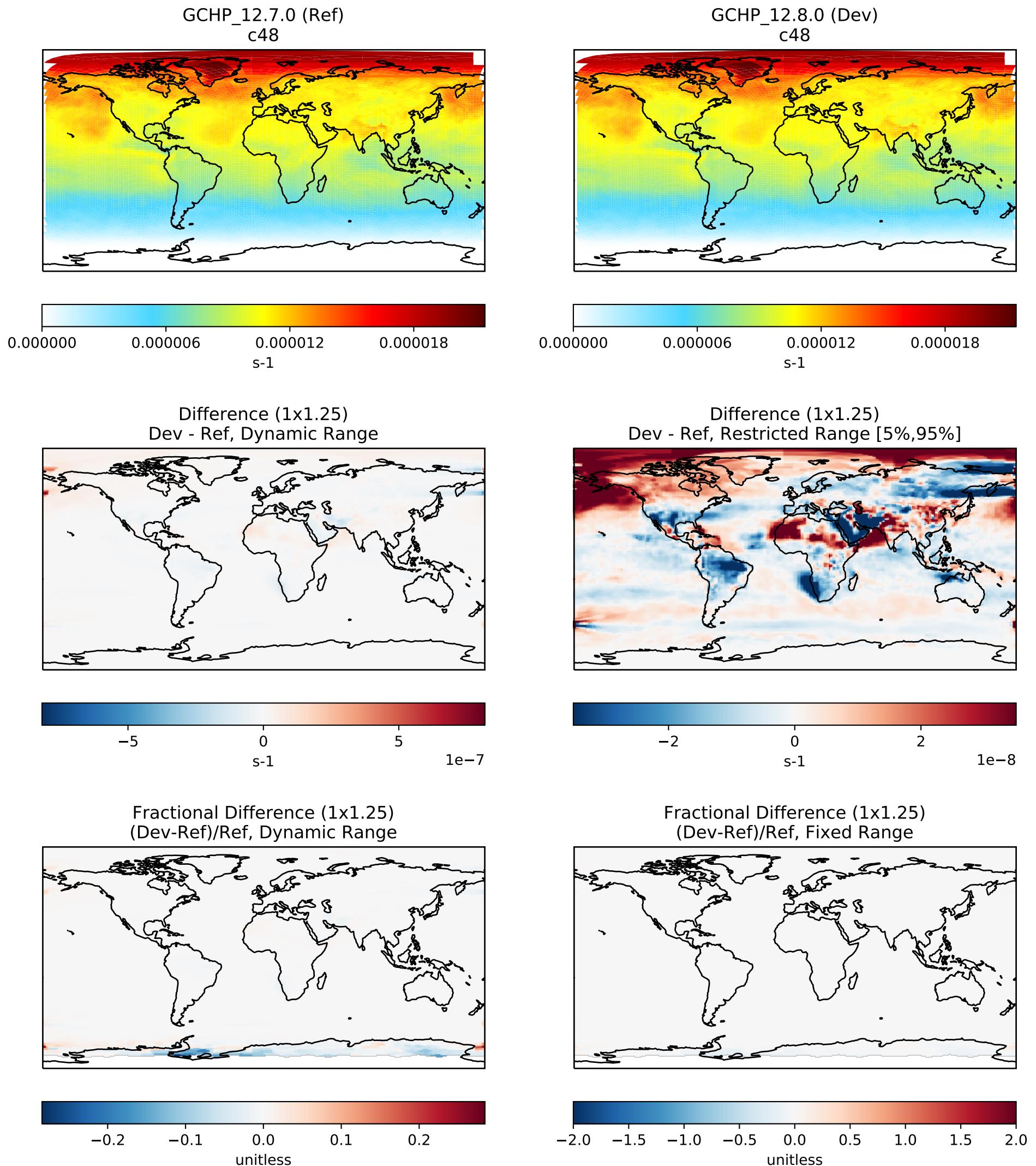
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

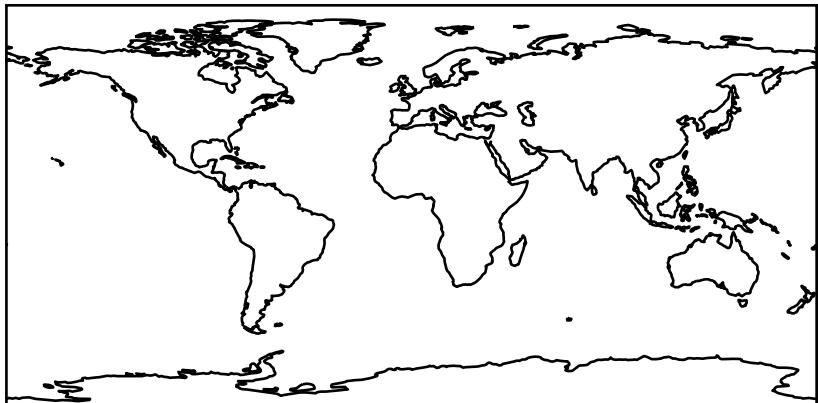


Jval_HNO4



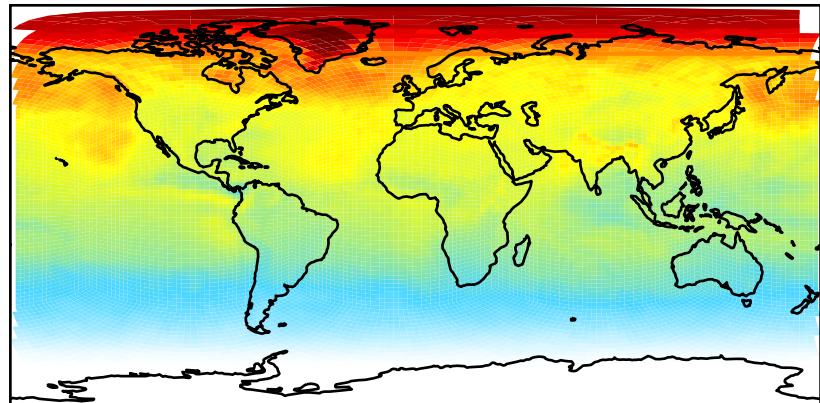
Jval_HOBR

GCHP_12.7.0 (Ref)
c48



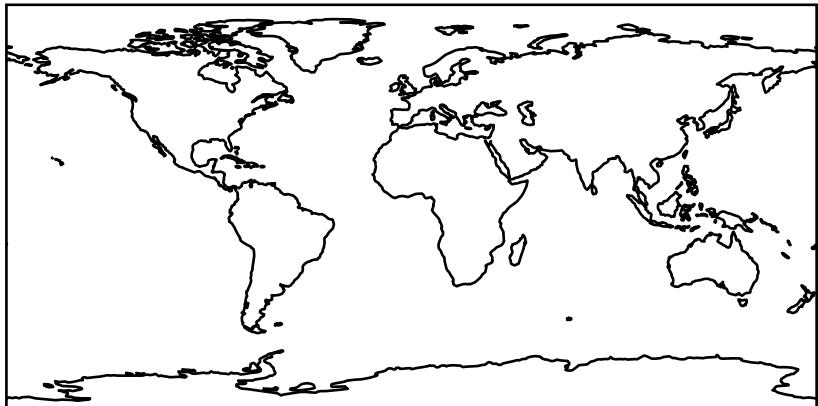
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s-1

GCHP_12.8.0 (Dev)
c48



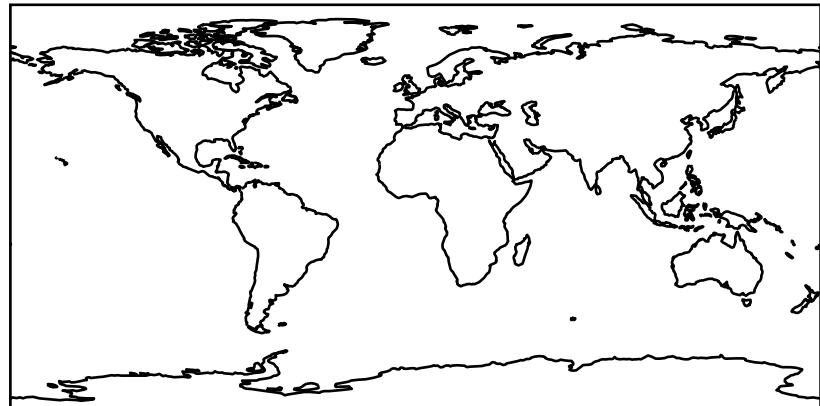
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s-1

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



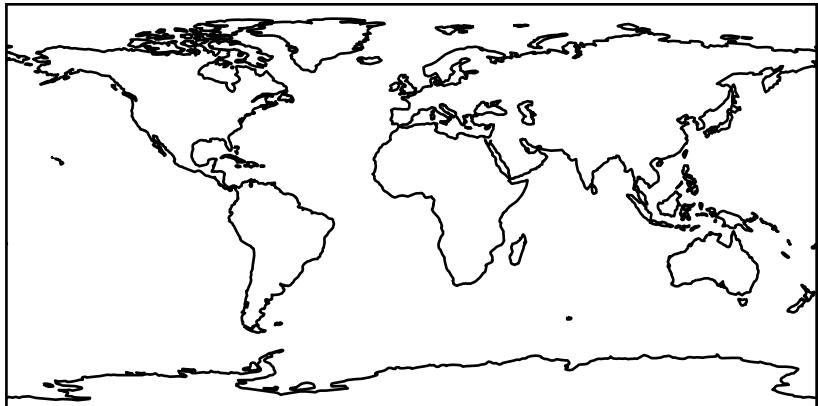
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s-1

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



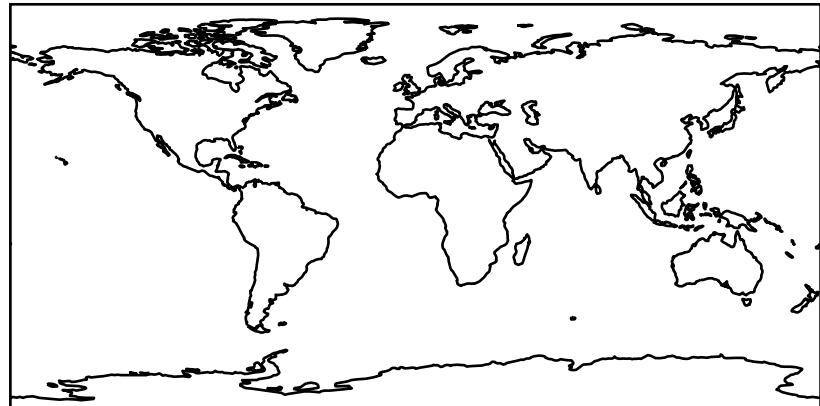
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s-1

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



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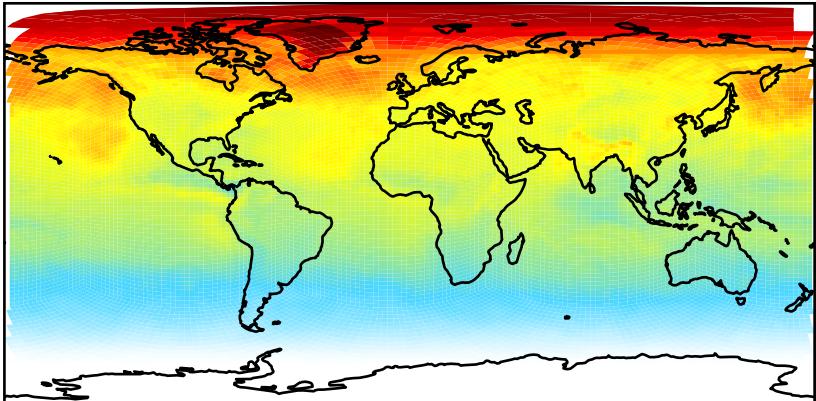
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



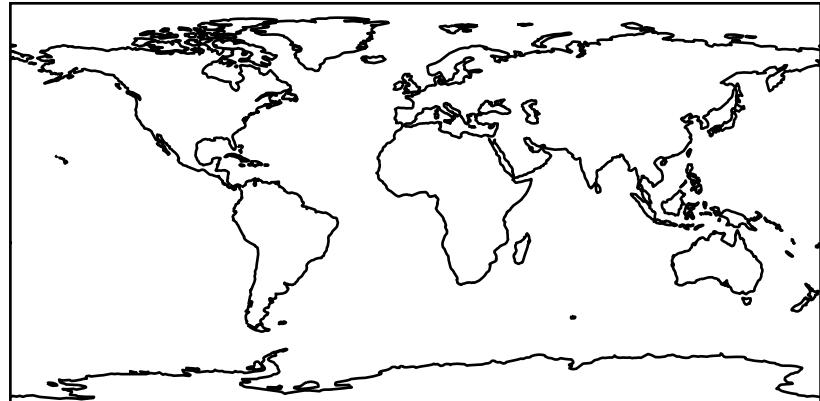
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Jval_HOBr

GCHP_12.7.0 (Ref)
c48



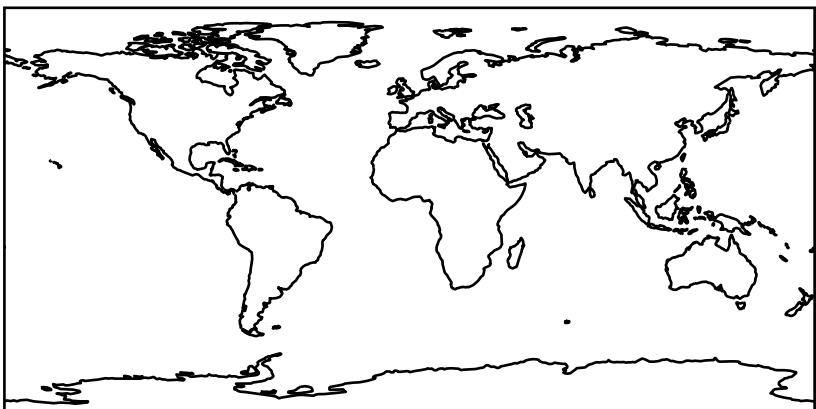
GCHP_12.8.0 (Dev)
c48



0.0000 0.0008 0.0016 0.0024
s-1

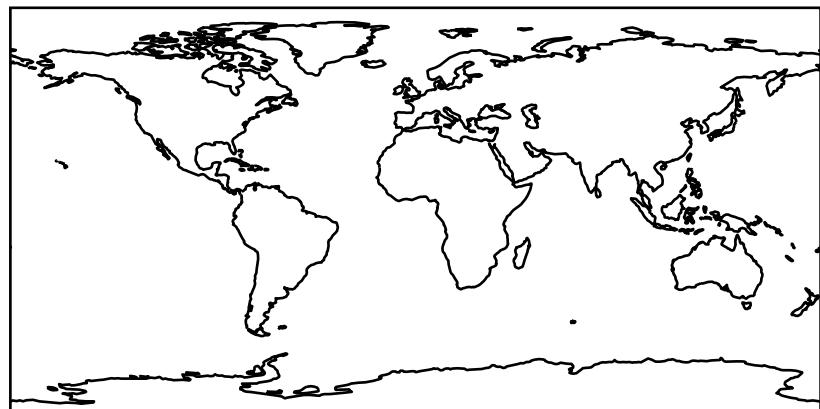
Undefined throughout domain
s-1

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



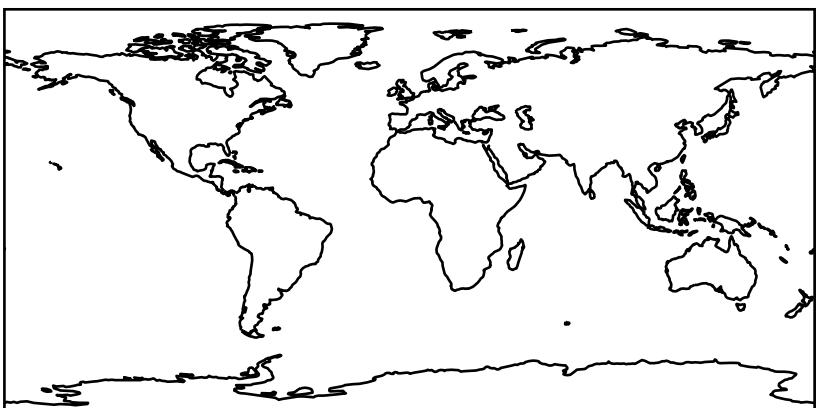
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s-1

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



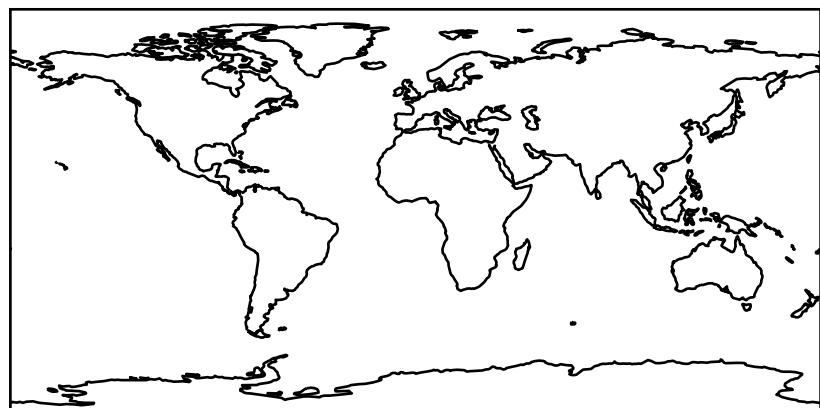
Undefined throughout domain
s-1

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



Undefined throughout domain
unitless

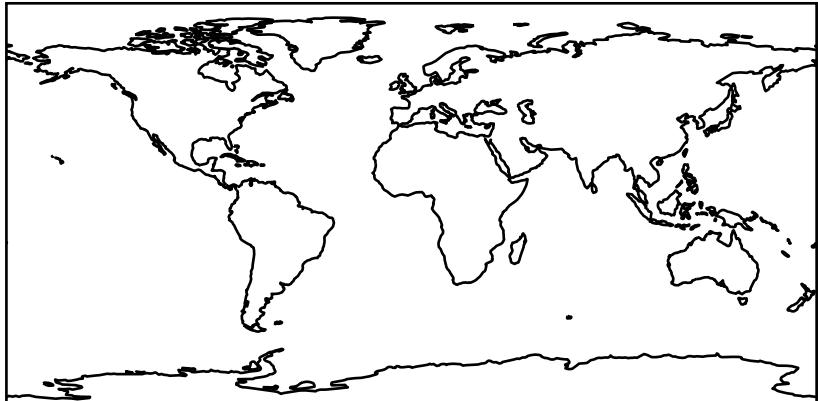
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



Undefined throughout domain
unitless

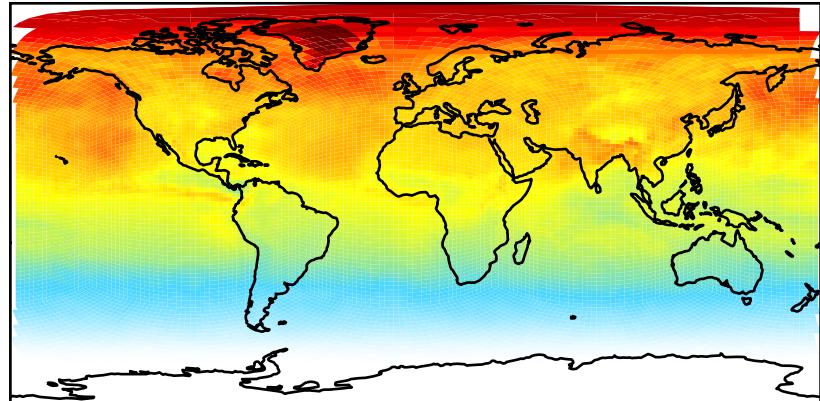
Jval_HOCL

GCHP_12.7.0 (Ref)
c48



Undefined throughout domain
s-1

GCHP_12.8.0 (Dev)
c48



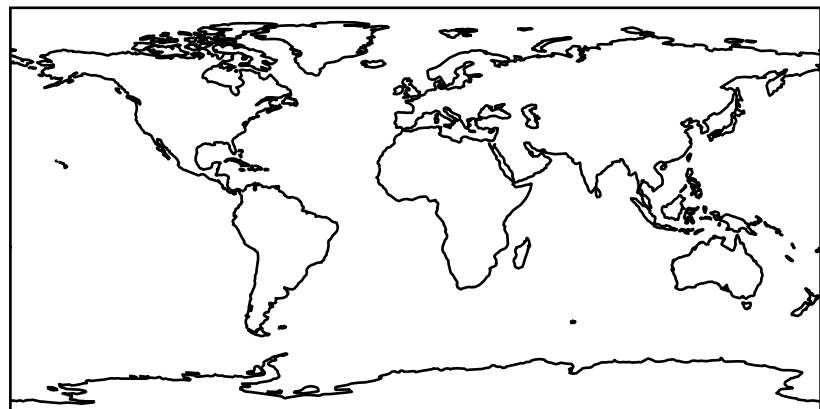
0.00000 0.00008 0.00016 0.00024
s-1

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



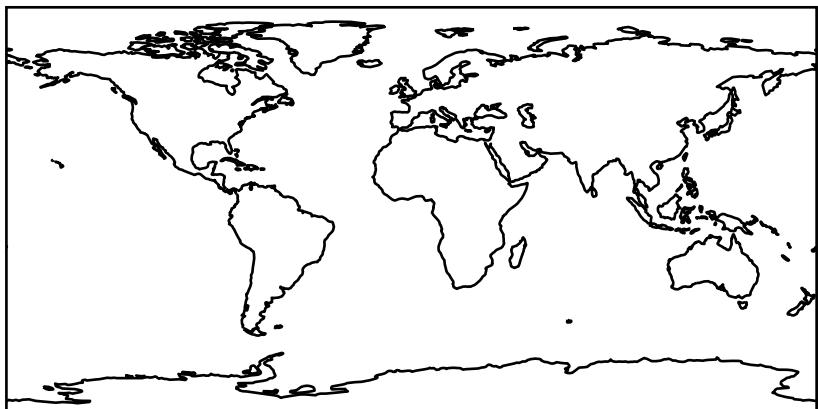
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s-1

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



Undefined throughout domain
s-1

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



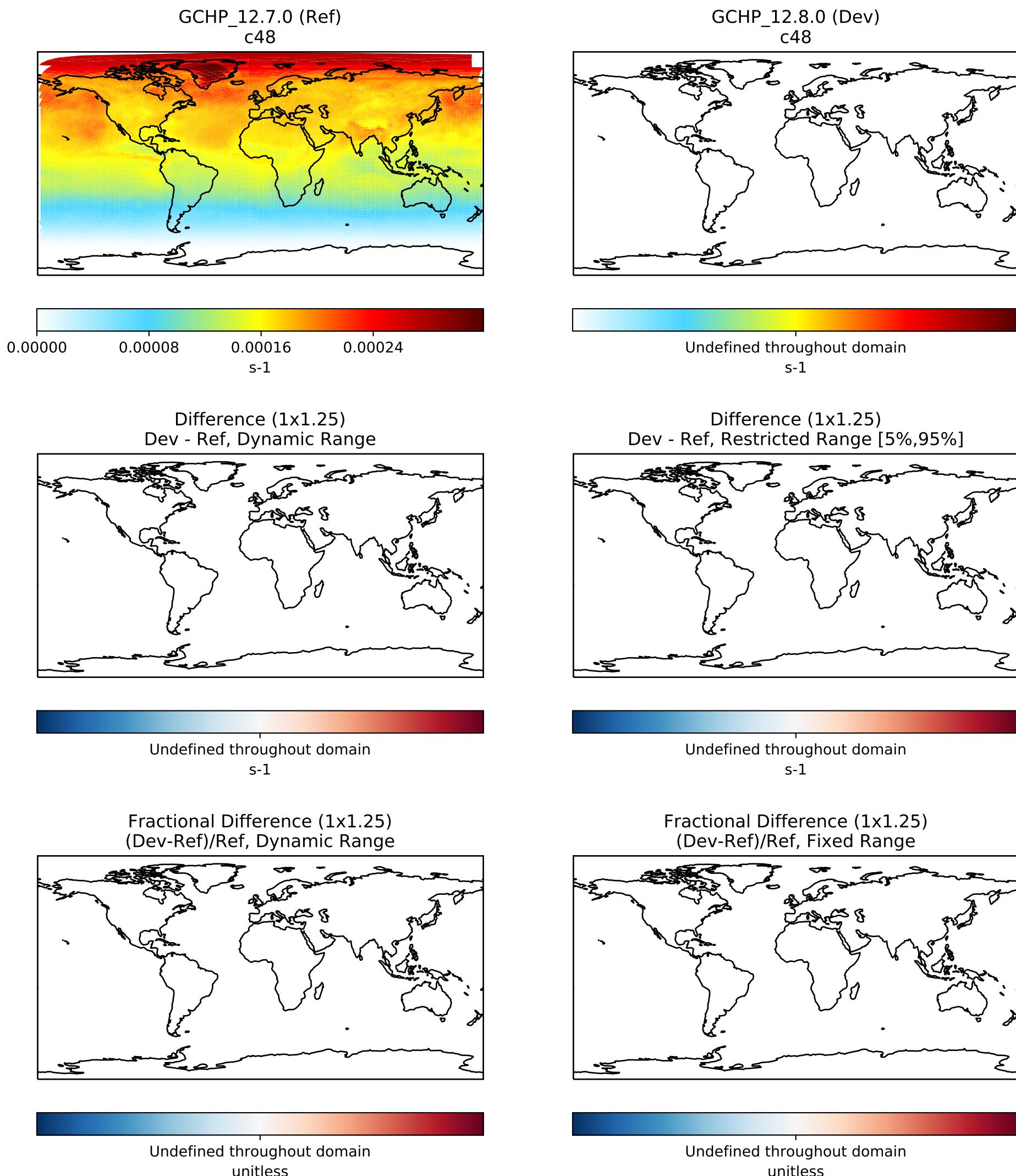
Undefined throughout domain
unitless

Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



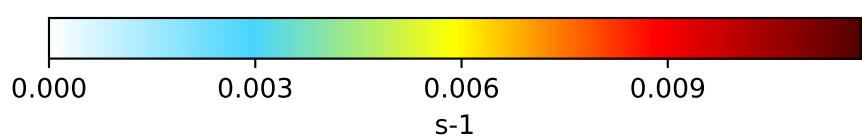
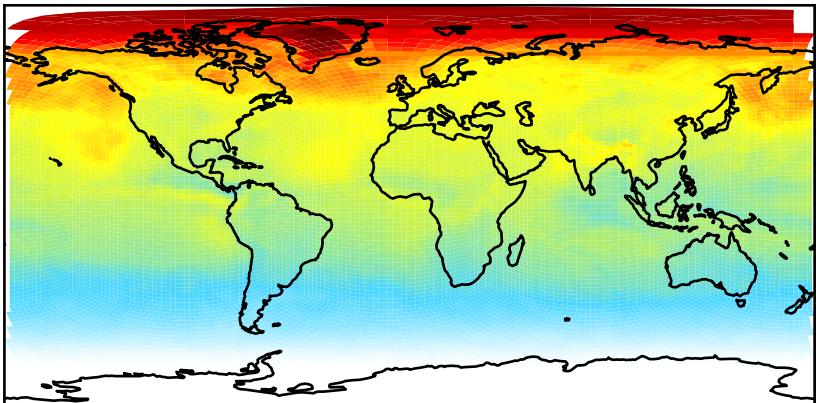
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unitless

Jval_HOCl

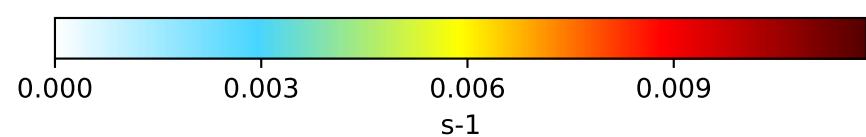
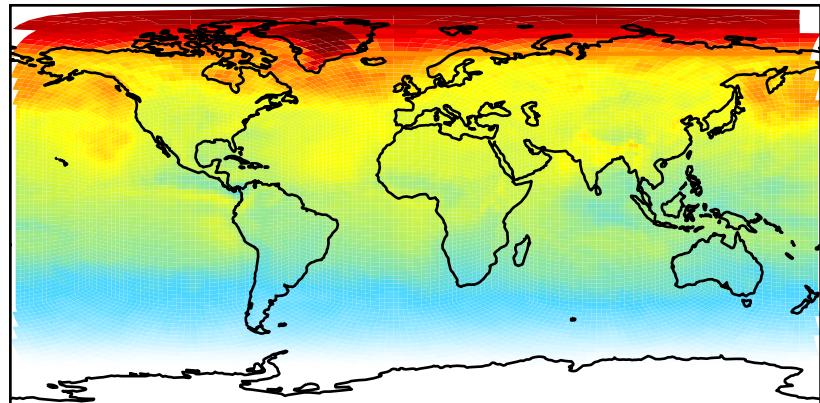


Jval_HOI

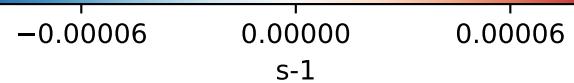
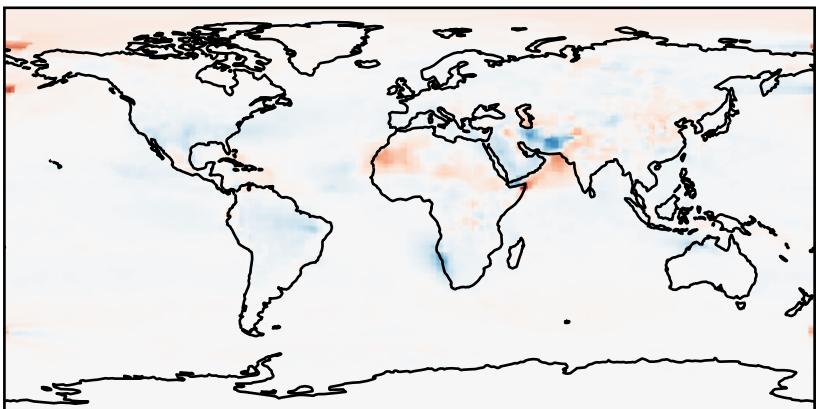
GCHP_12.7.0 (Ref)
c48



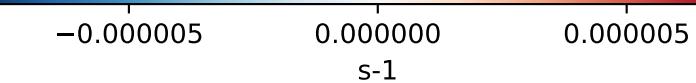
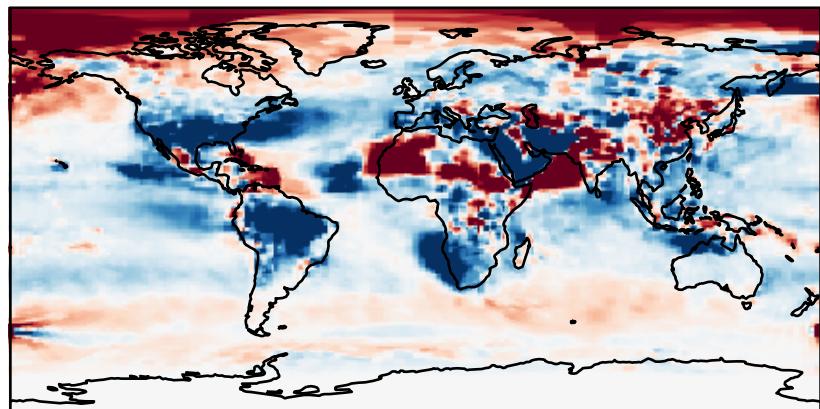
GCHP_12.8.0 (Dev)
c48



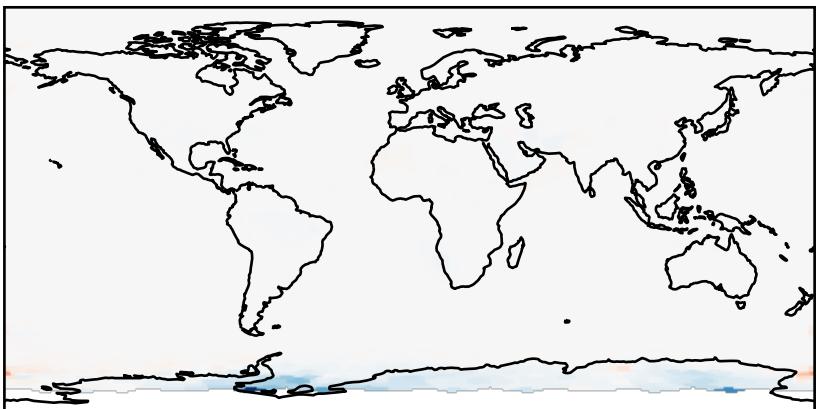
Difference (1x1.25)
Dev - Ref, Dynamic Range



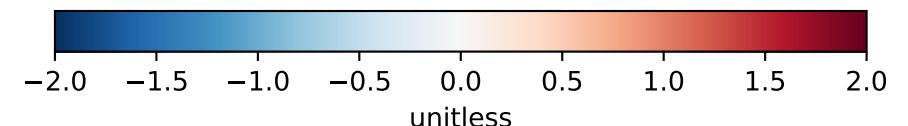
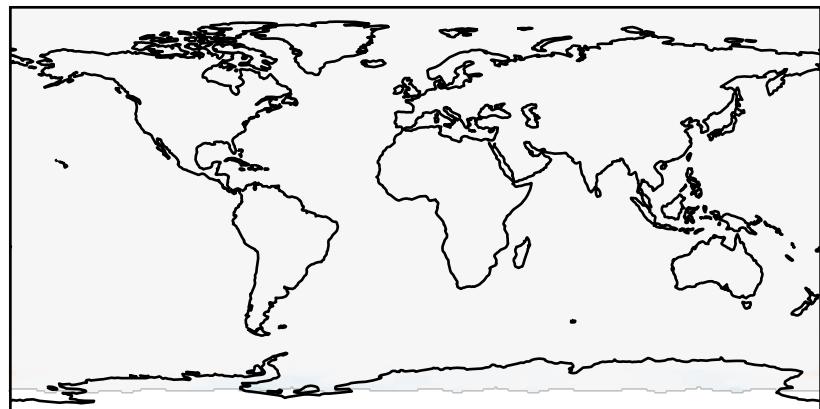
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

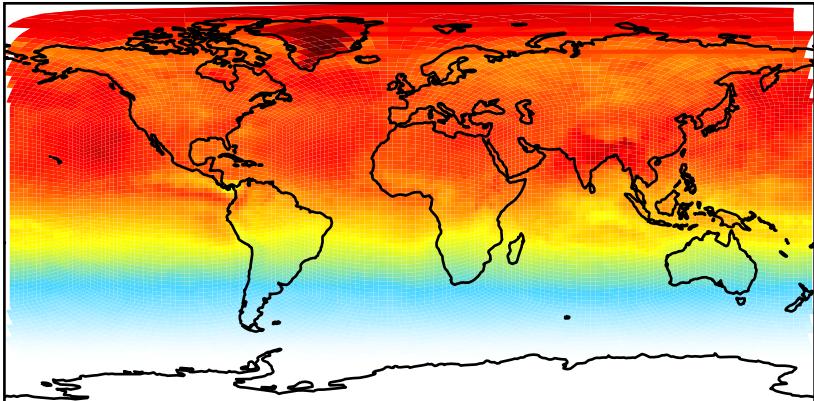


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



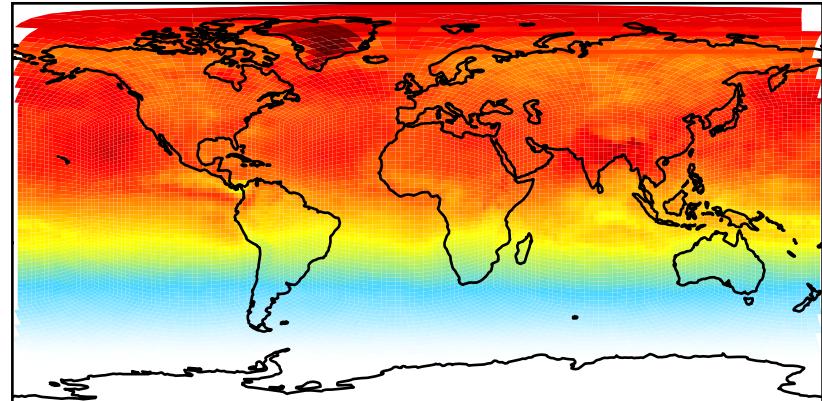
Jval_HONIT

GCHP_12.7.0 (Ref)
c48



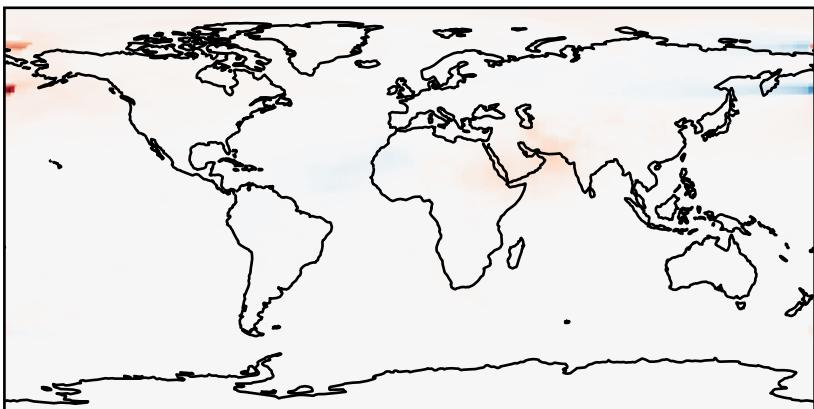
0.0000000 0.0000006 0.0000012 0.0000018
s-1

GCHP_12.8.0 (Dev)
c48



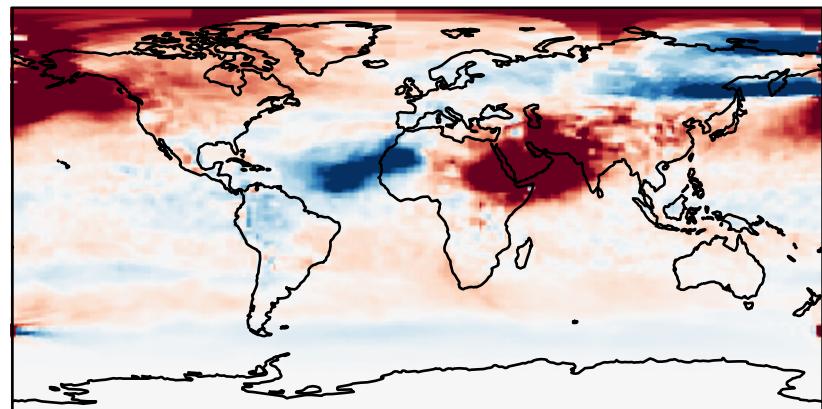
0.0000000 0.0000006 0.0000012 0.0000018
s-1

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



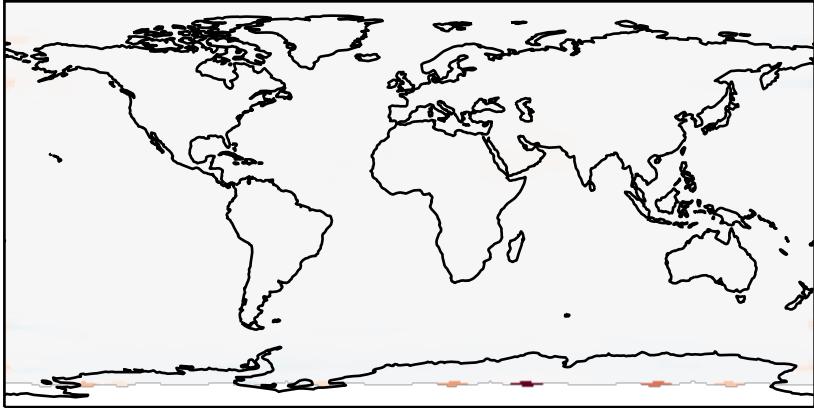
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s-1

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



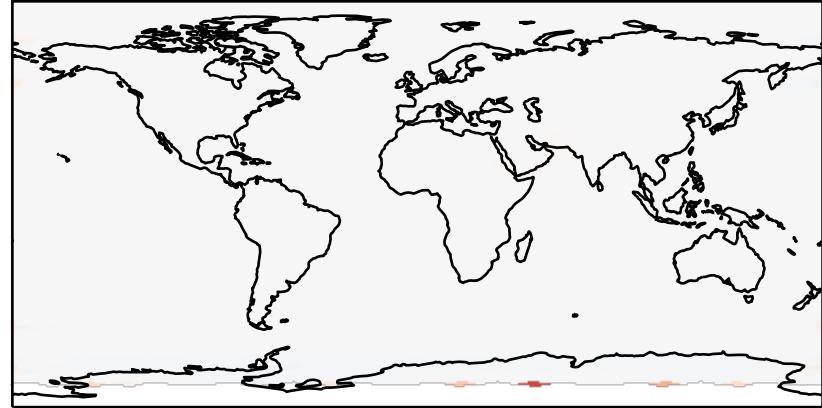
-5 0 5 1e-9
s-1

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



-1.0 -0.5 0.0 0.5 1.0
unitless

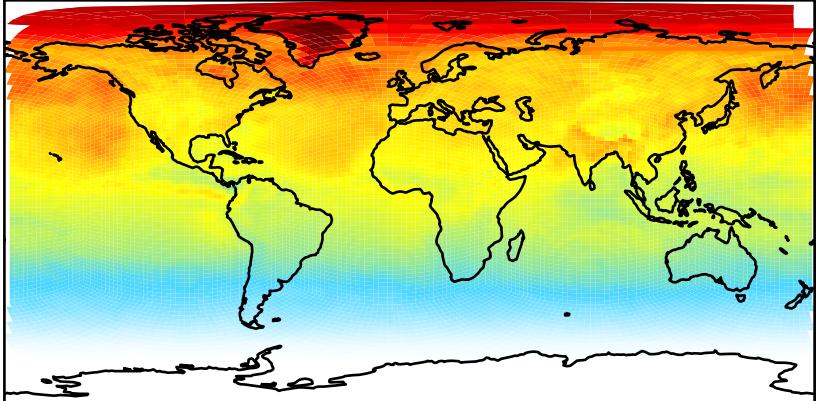
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



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

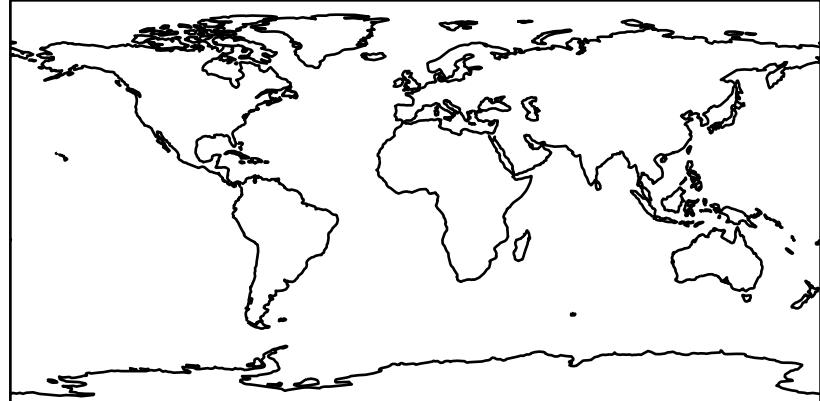
Jval_HPALD

GCHP_12.7.0 (Ref)
c48



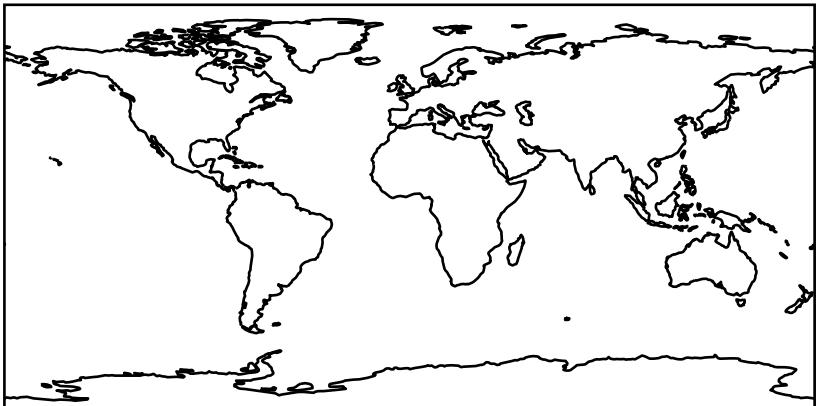
0.0000000 0.0000005 0.0000010 0.0000015
s⁻¹

GCHP_12.8.0 (Dev)
c48



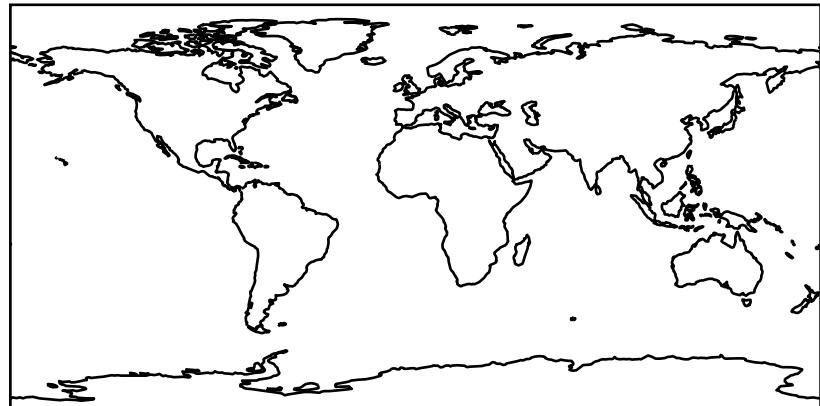
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s⁻¹

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



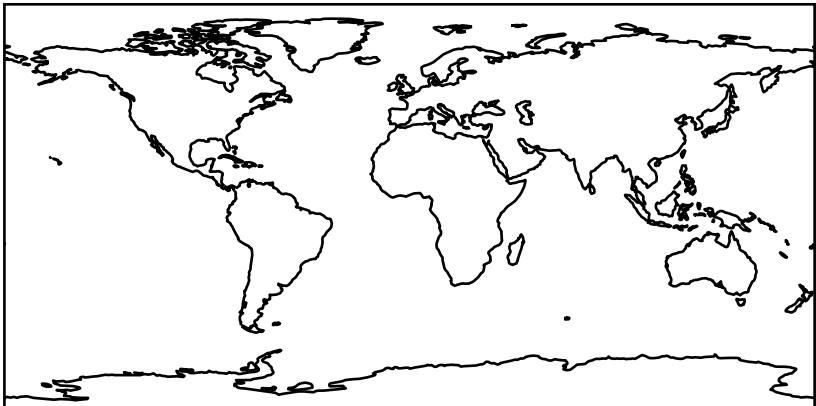
Undefined throughout domain
s⁻¹

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



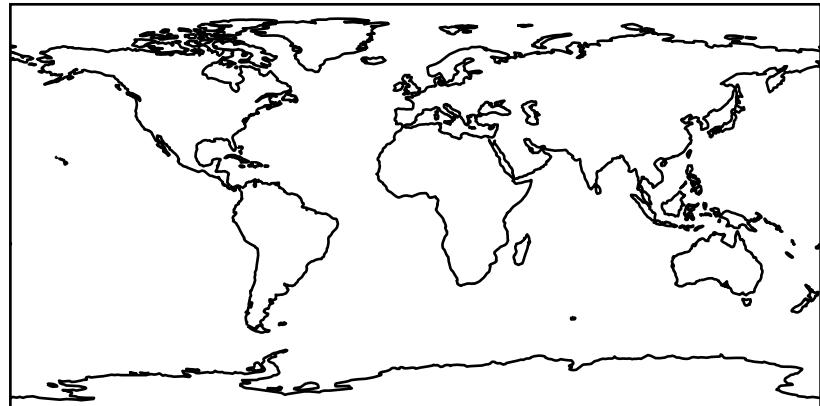
Undefined throughout domain
s⁻¹

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



Undefined throughout domain
unitless

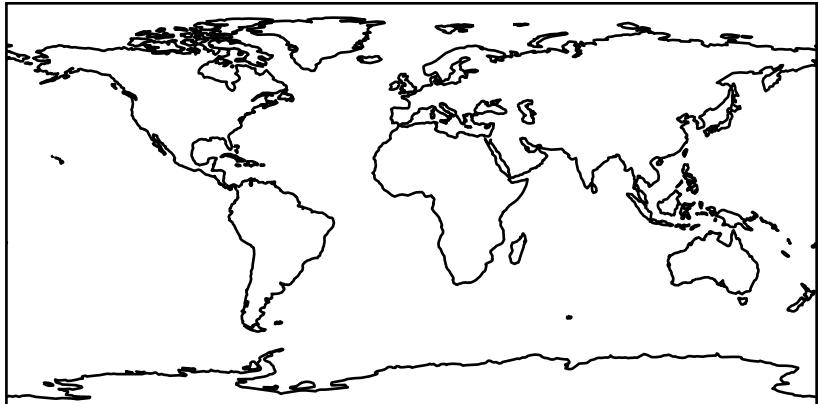
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



Undefined throughout domain
unitless

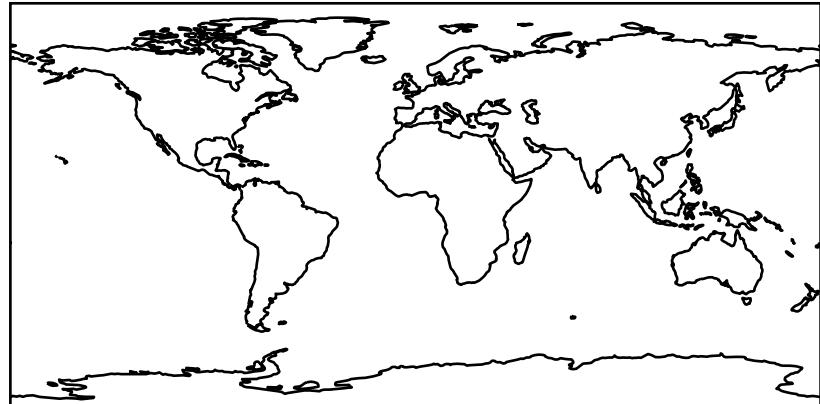
Jval_HPALD1

GCHP_12.7.0 (Ref)
c48



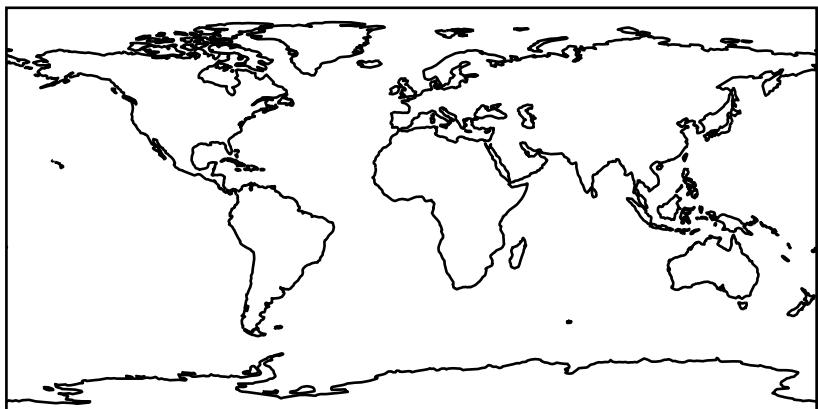
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s-1

GCHP_12.8.0 (Dev)
c48



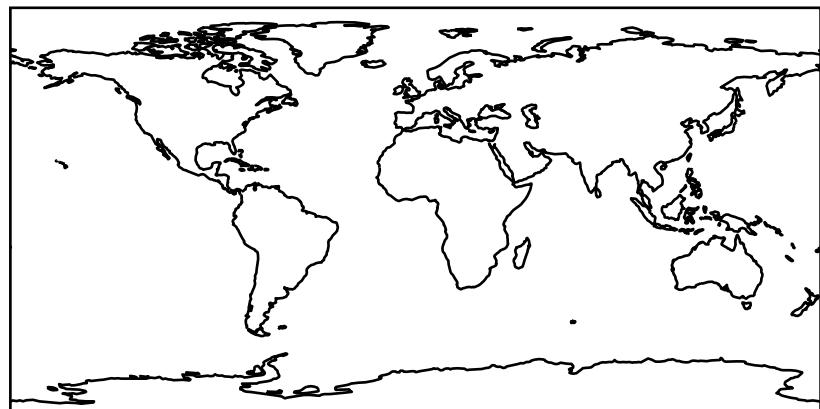
Zero throughout domain
s-1

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



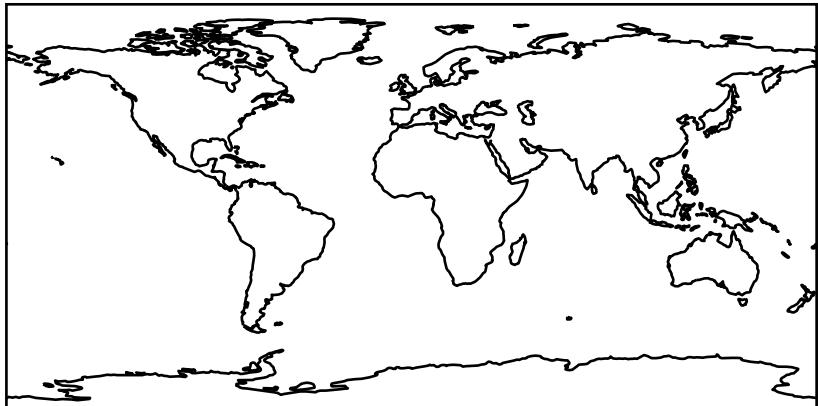
Undefined throughout domain
s-1

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



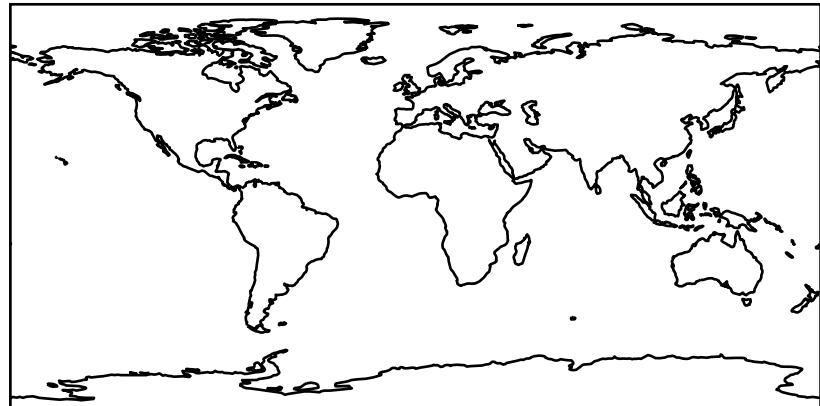
Undefined throughout domain
s-1

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



Undefined throughout domain
unitless

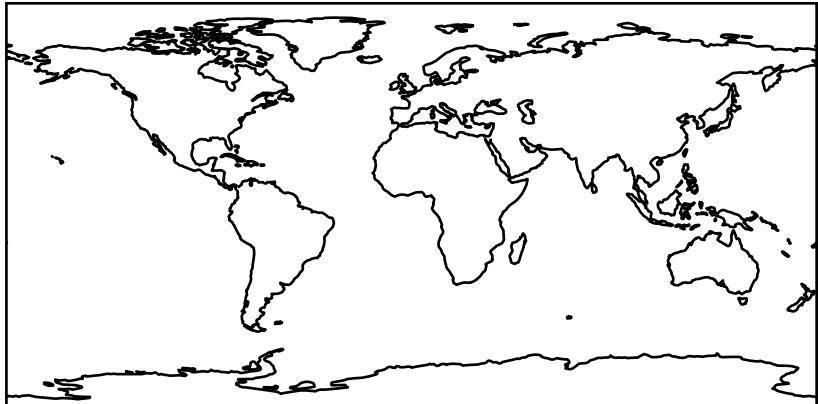
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



Undefined throughout domain
unitless

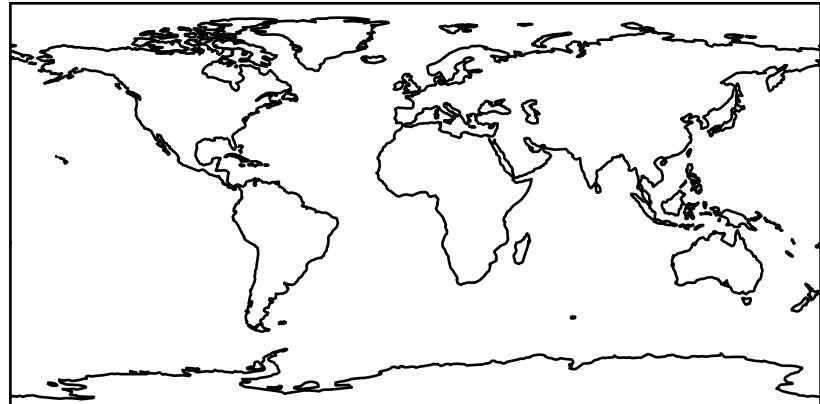
Jval_HPALD2

GCHP_12.7.0 (Ref)
c48



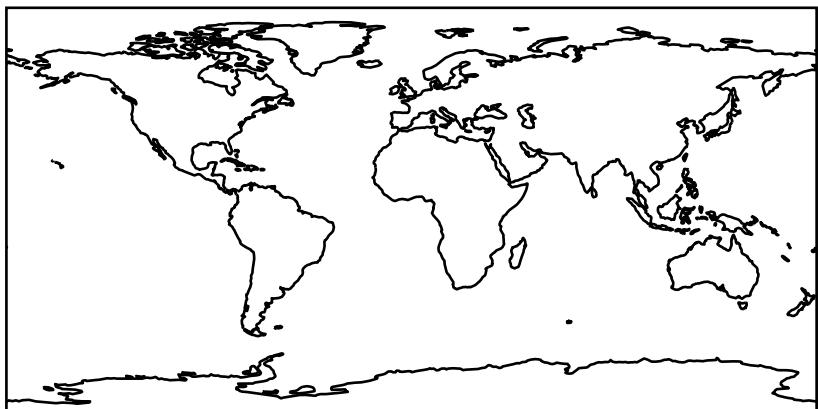
Undefined throughout domain
s-1

GCHP_12.8.0 (Dev)
c48



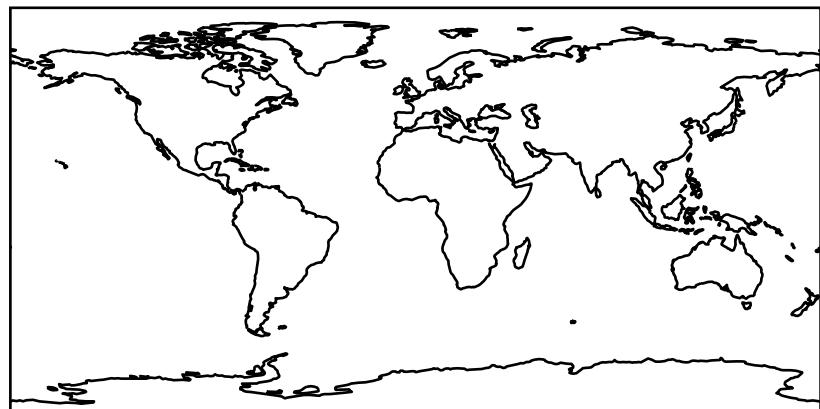
Zero throughout domain
s-1

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



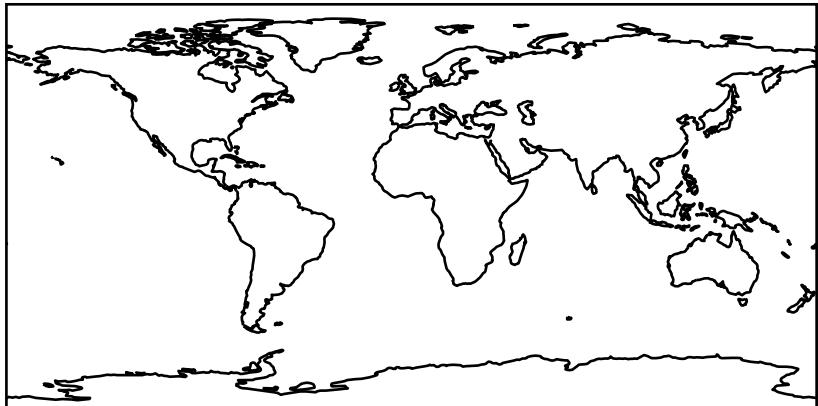
Undefined throughout domain
s-1

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



Undefined throughout domain
s-1

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



Undefined throughout domain
unitless

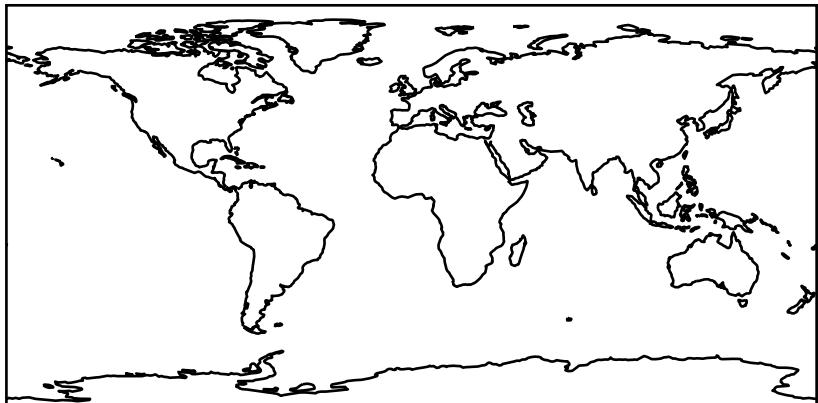
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



Undefined throughout domain
unitless

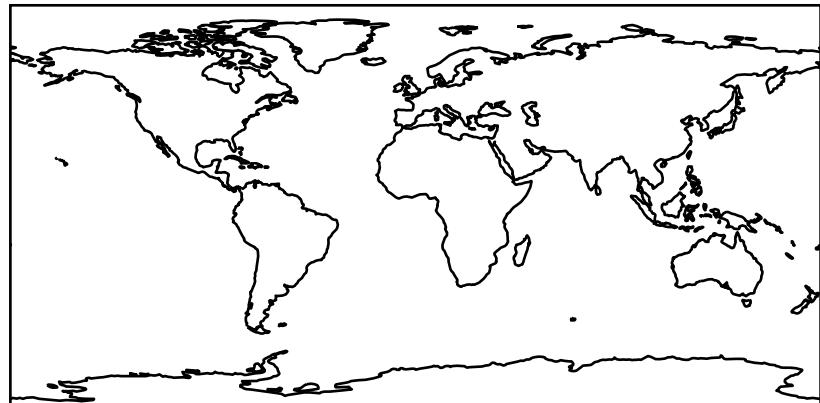
Jval_HPALD3

GCHP_12.7.0 (Ref)
c48



Undefined throughout domain
s-1

GCHP_12.8.0 (Dev)
c48



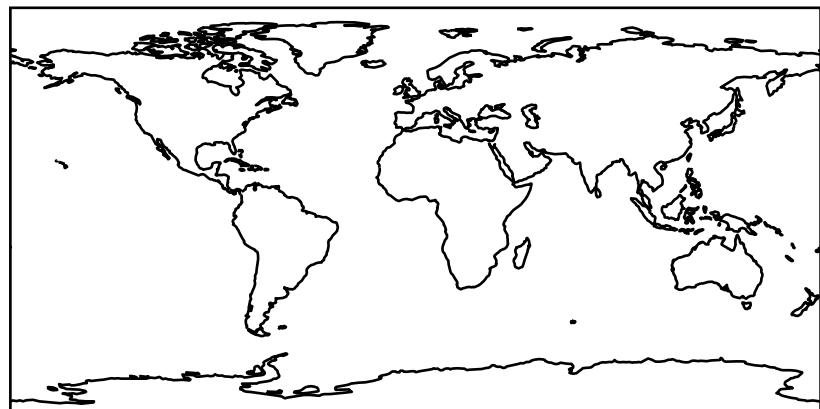
Zero throughout domain
s-1

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



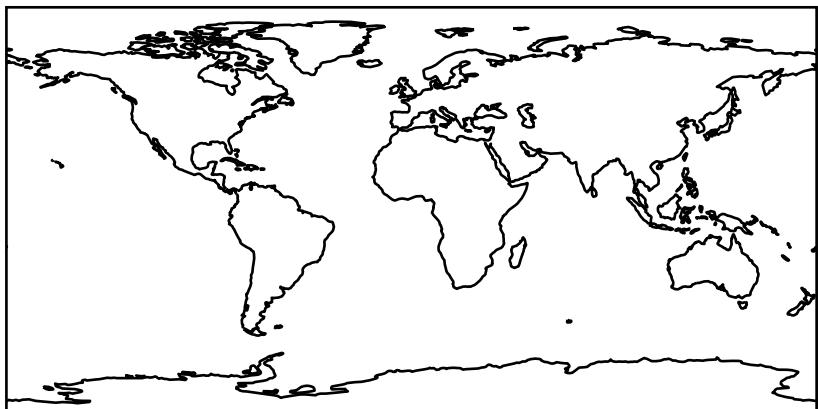
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s-1

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



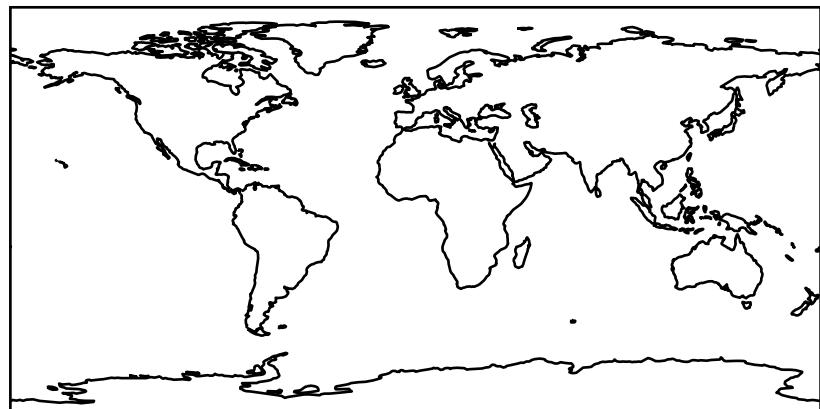
Undefined throughout domain
s-1

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



Undefined throughout domain
unitless

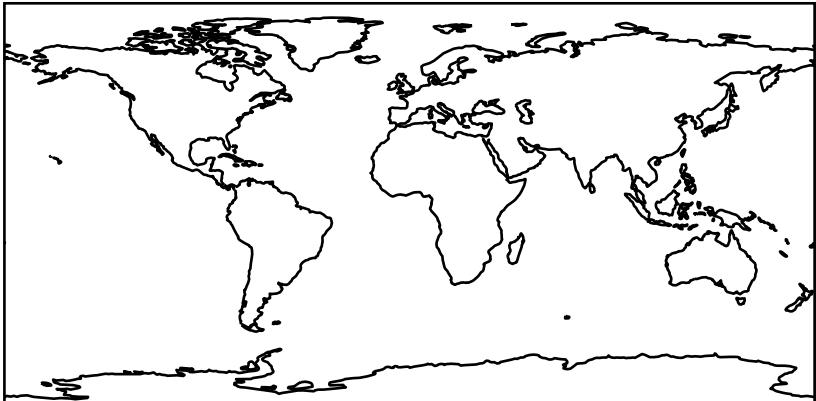
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



Undefined throughout domain
unitless

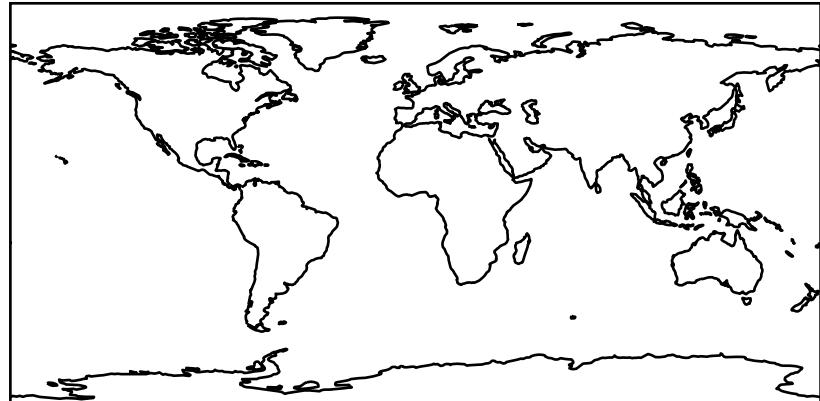
Jval_HPALD4

GCHP_12.7.0 (Ref)
c48



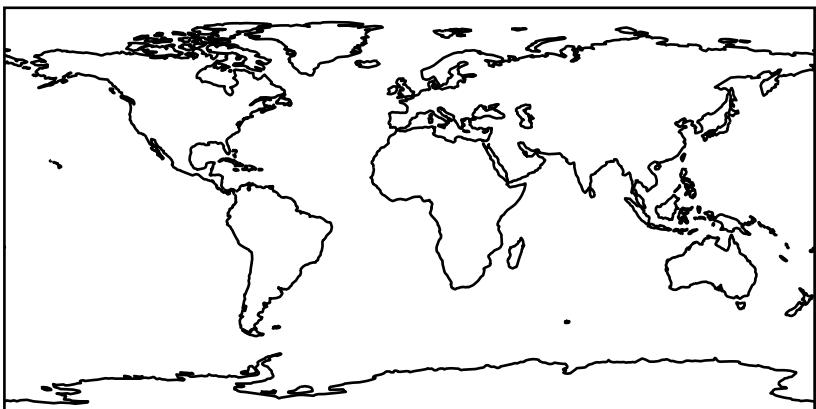
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s-1

GCHP_12.8.0 (Dev)
c48



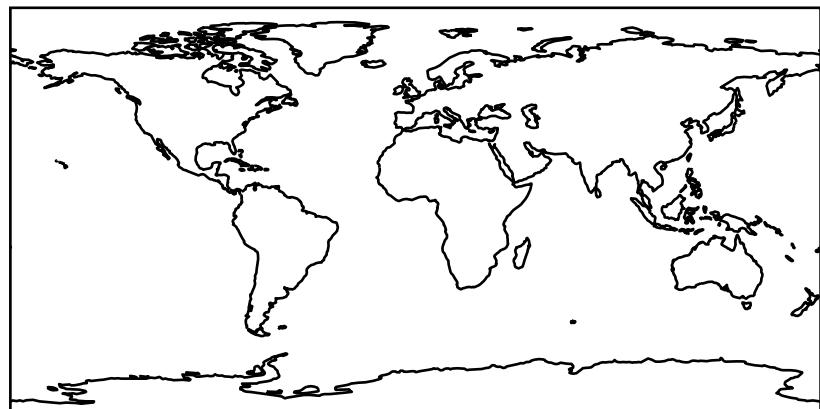
Zero throughout domain
s-1

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



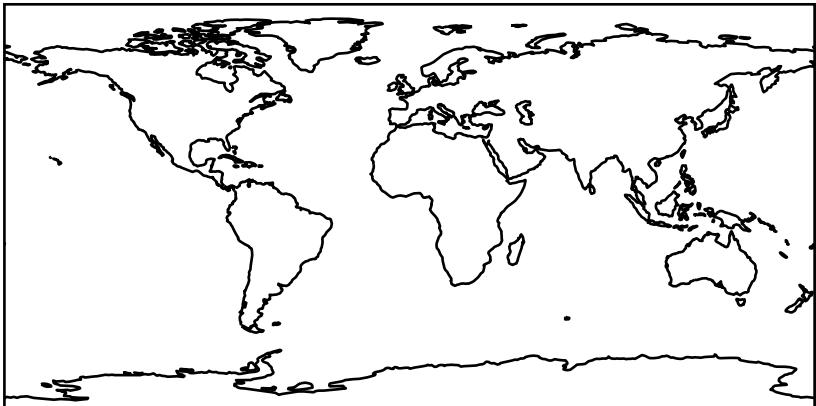
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s-1

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



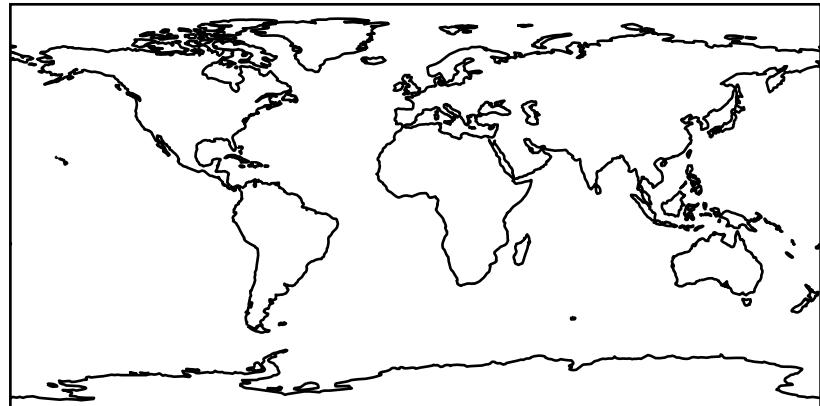
Undefined throughout domain
s-1

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



Undefined throughout domain
unitless

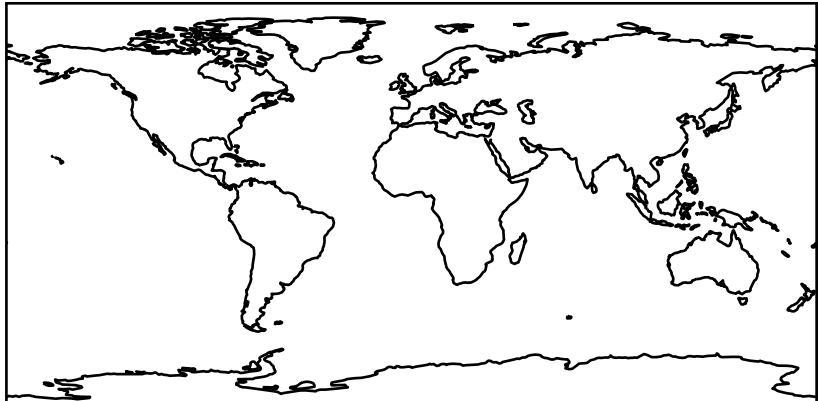
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



Undefined throughout domain
unitless

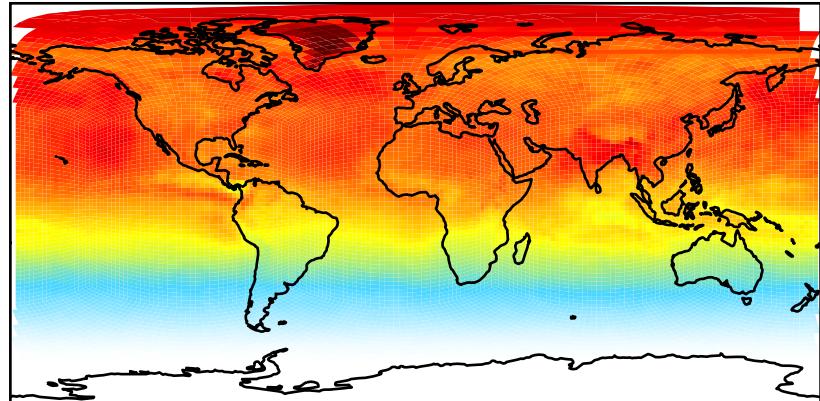
Jval_HPETHNL

GCHP_12.7.0 (Ref)
c48



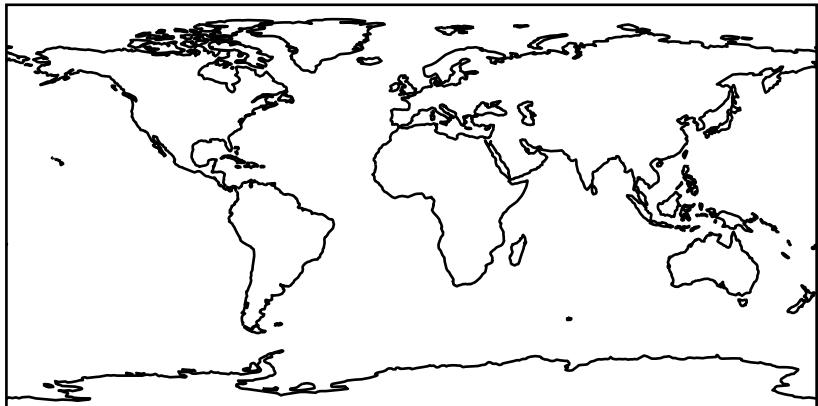
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s-1

GCHP_12.8.0 (Dev)
c48



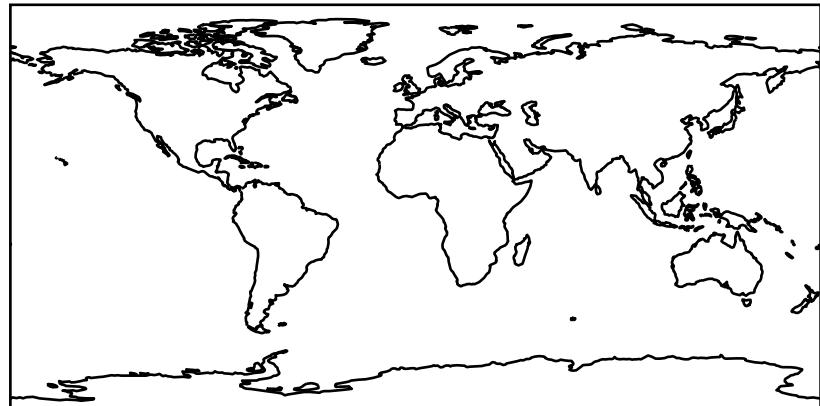
0.000000 0.000015 0.000030 0.000045
s-1

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



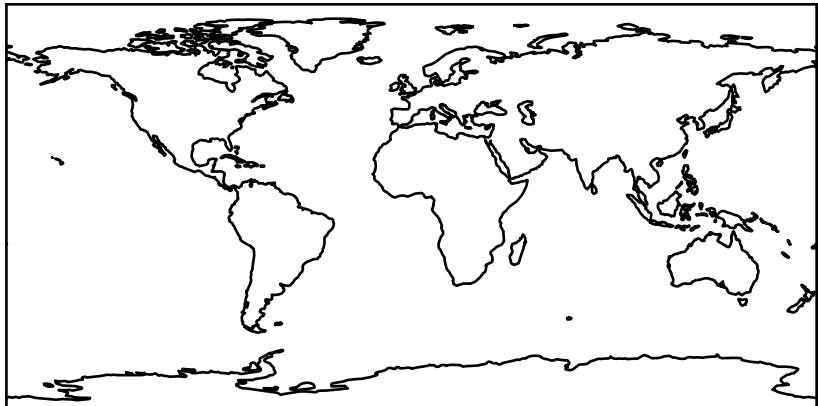
Undefined throughout domain
s-1

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



Undefined throughout domain
s-1

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



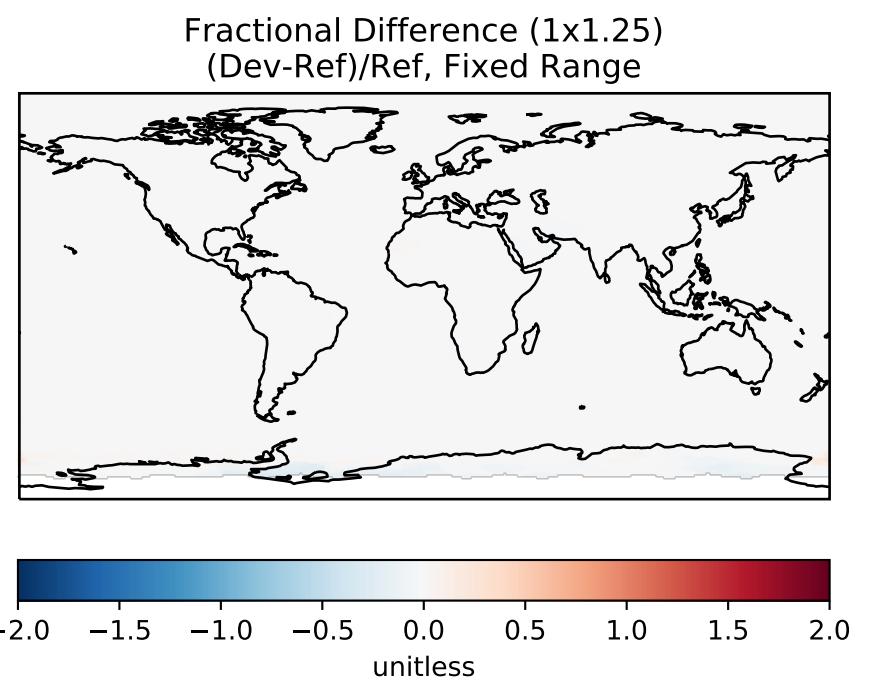
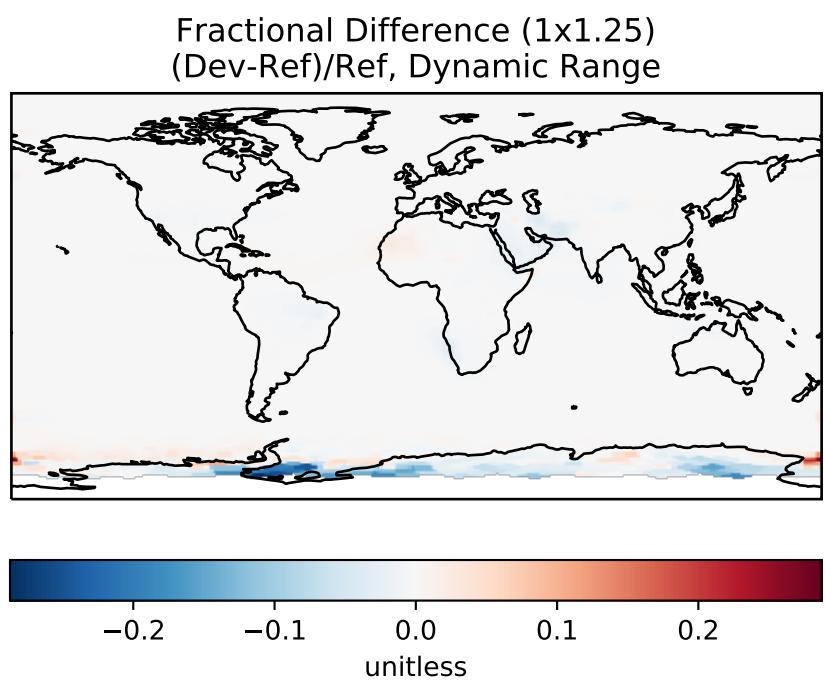
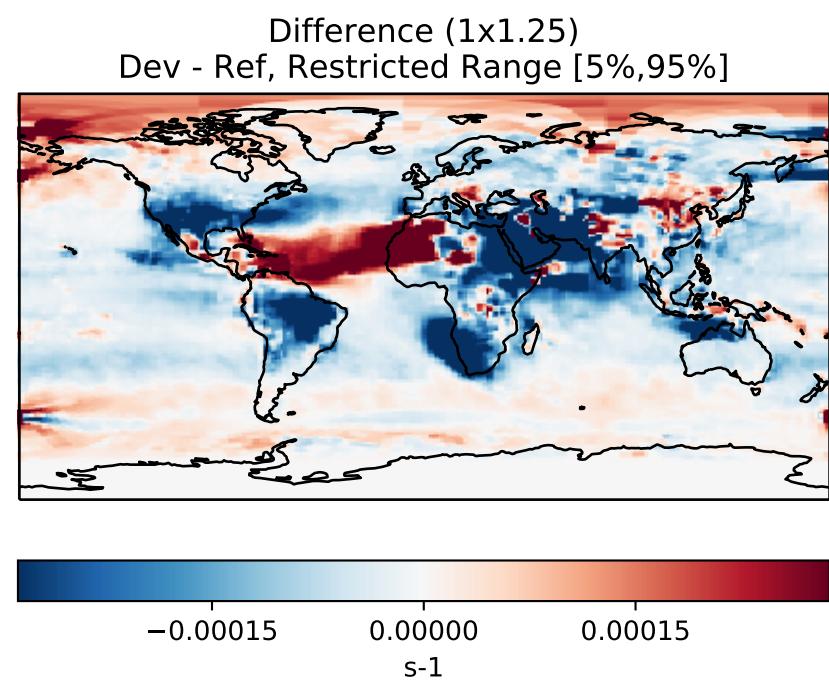
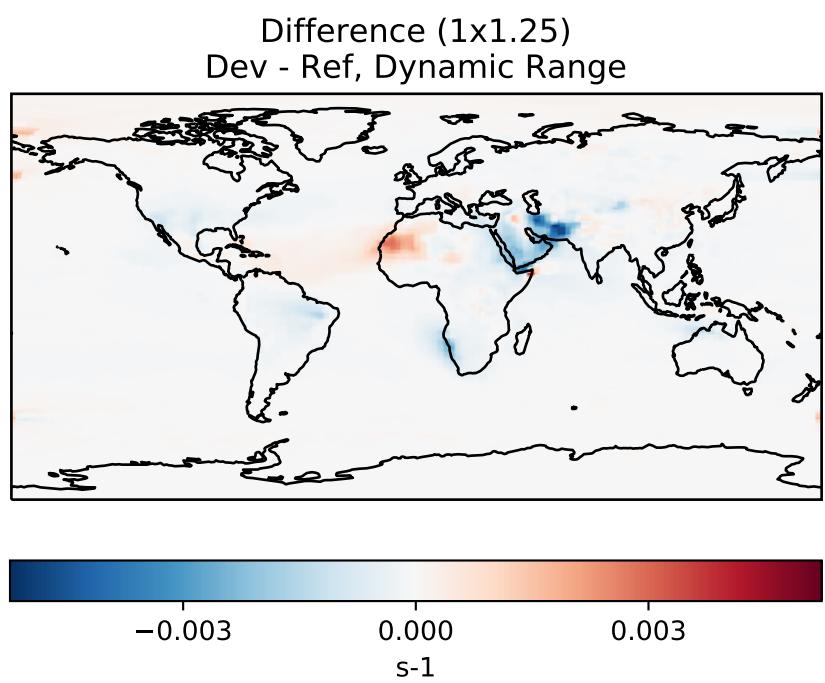
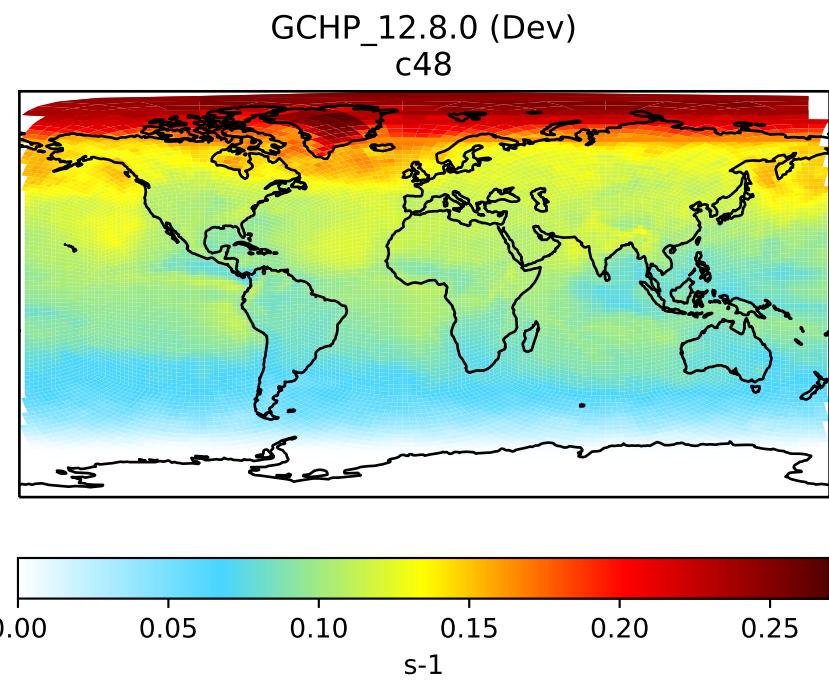
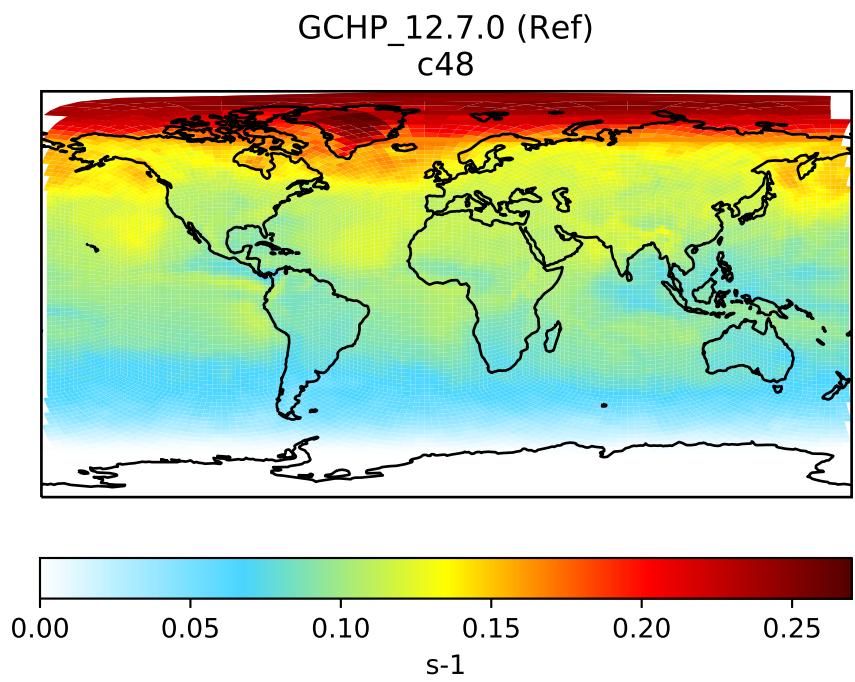
Undefined throughout domain
unitless

Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



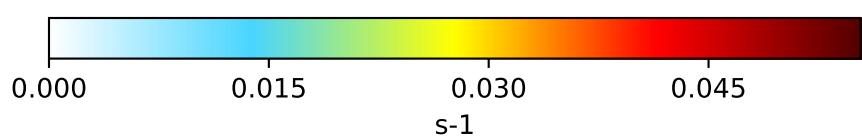
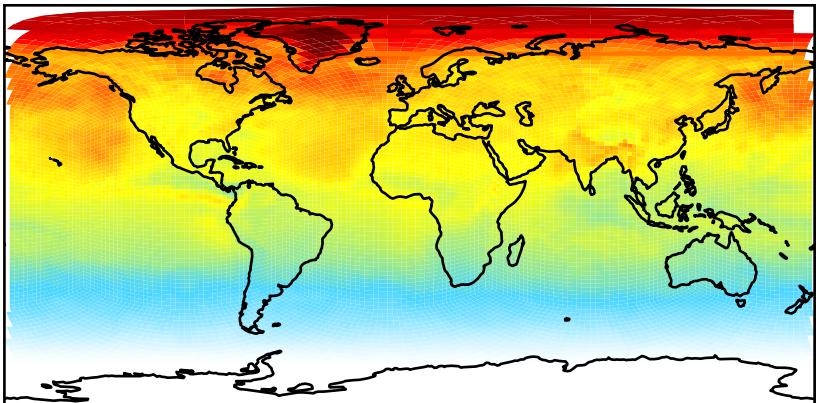
Undefined throughout domain
unitless

Jval_I2

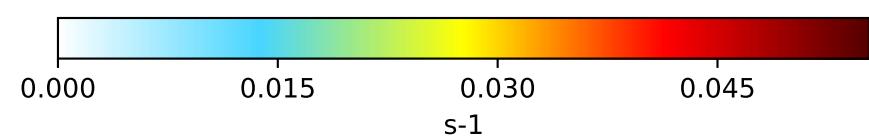
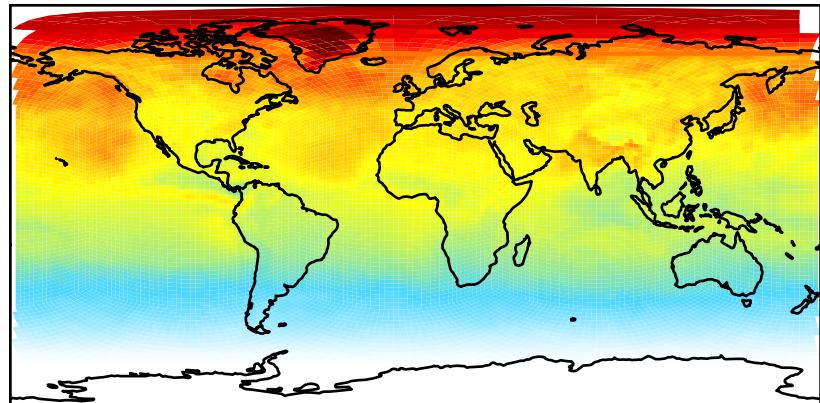


Jval_I202

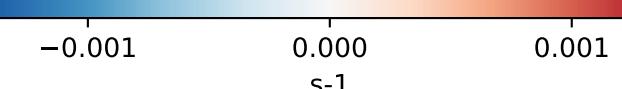
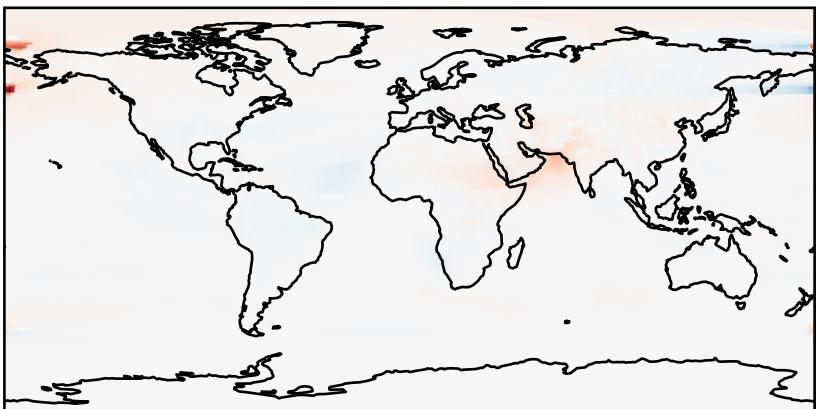
GCHP_12.7.0 (Ref)
c48



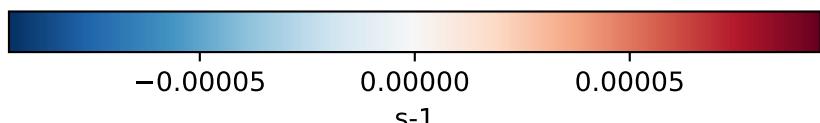
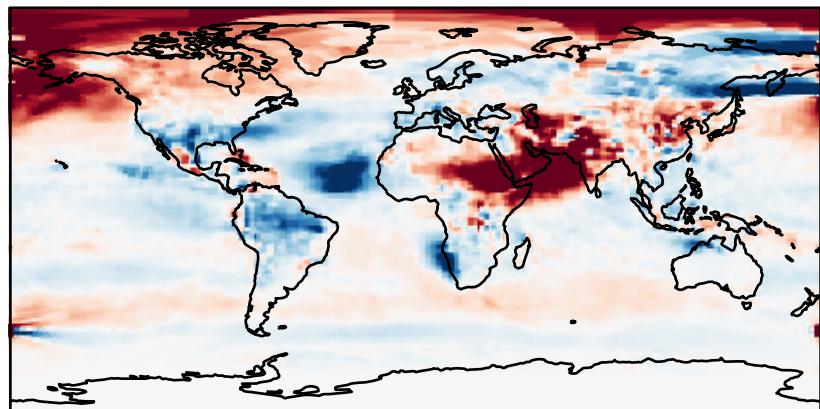
GCHP_12.8.0 (Dev)
c48



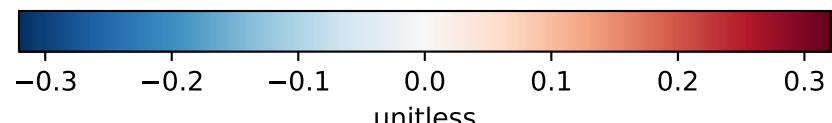
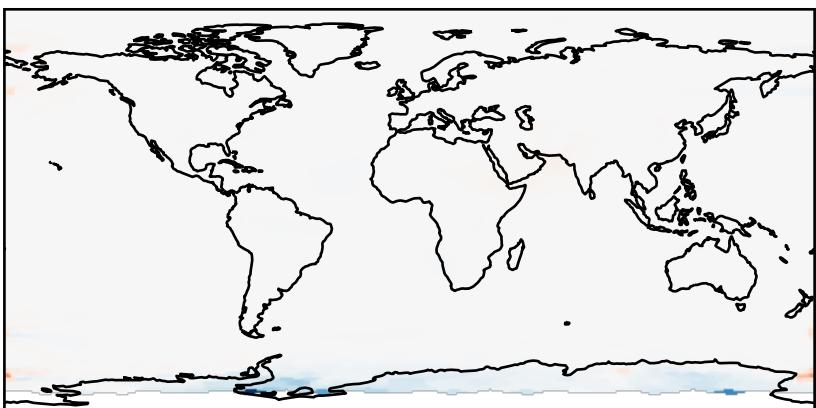
Difference (1x1.25)
Dev - Ref, Dynamic Range



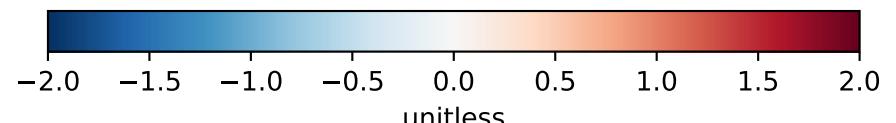
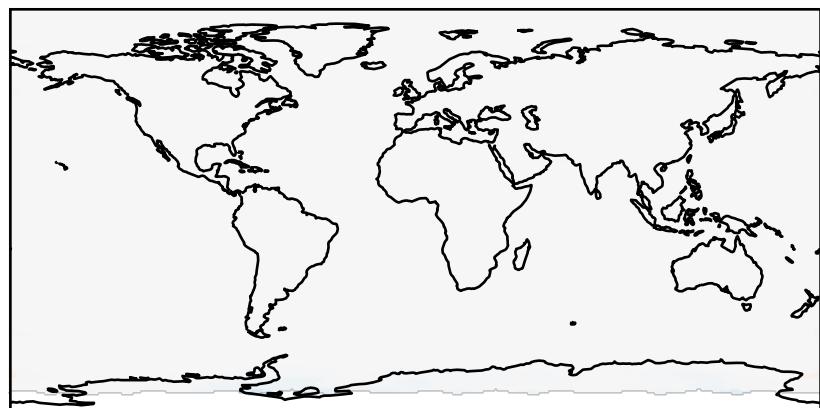
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

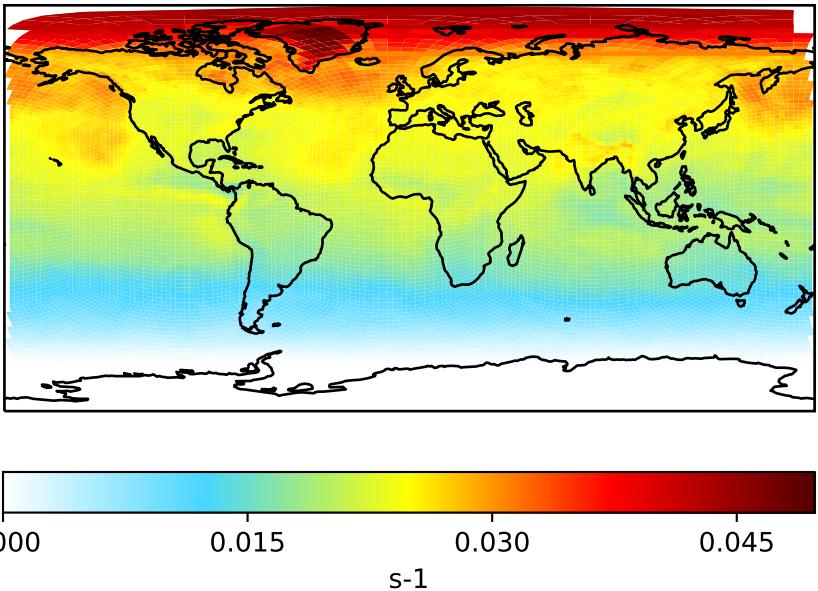


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

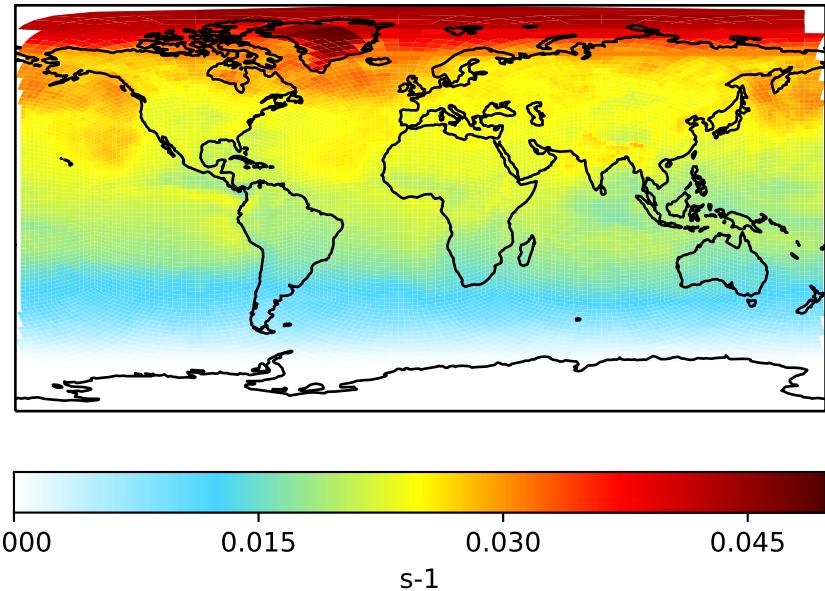


Jval_I203

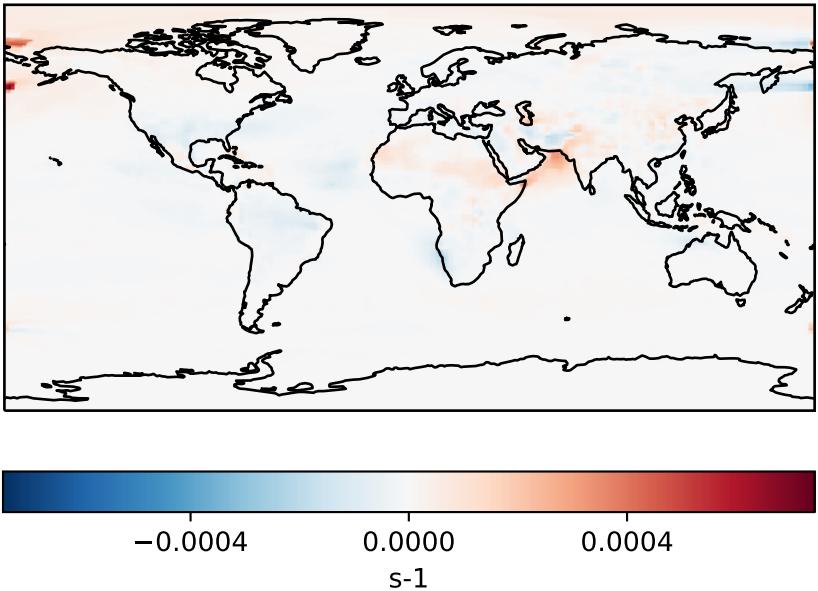
GCHP_12.7.0 (Ref)
c48



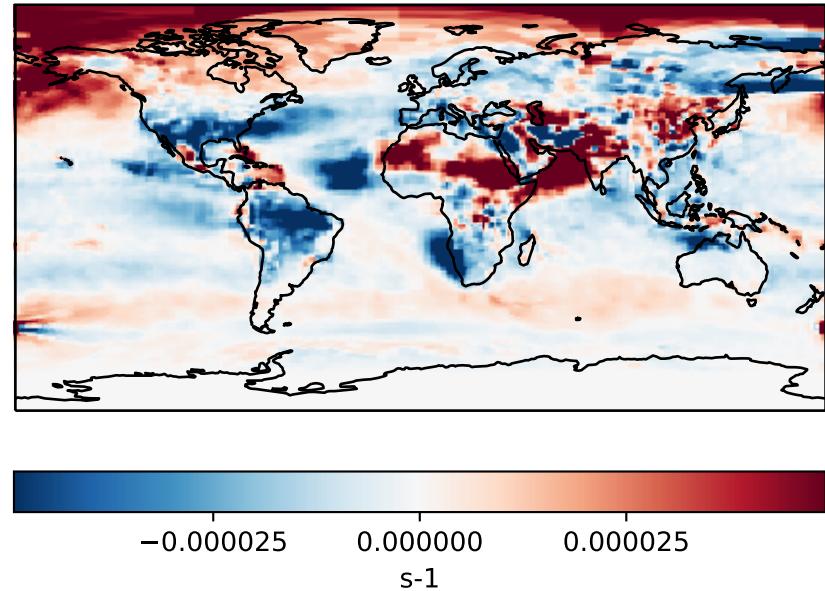
GCHP_12.8.0 (Dev)
c48



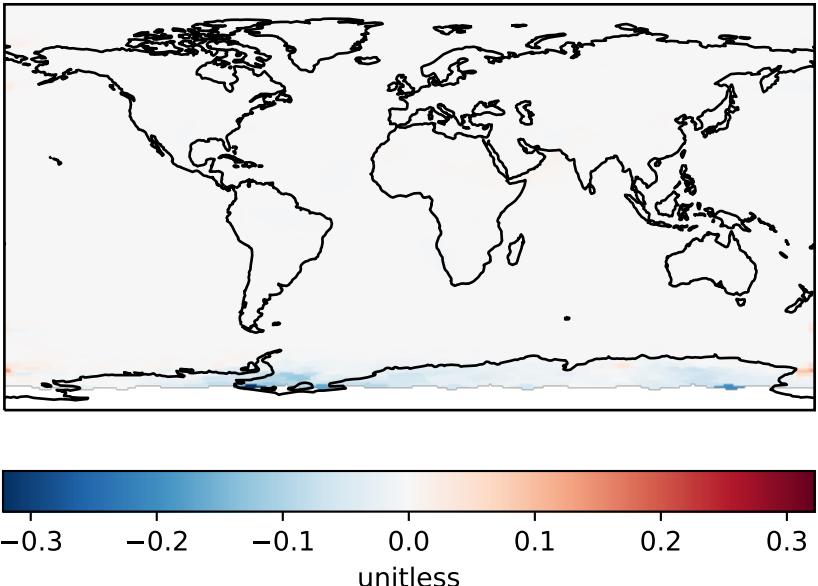
Difference (1x1.25)
Dev - Ref, Dynamic Range



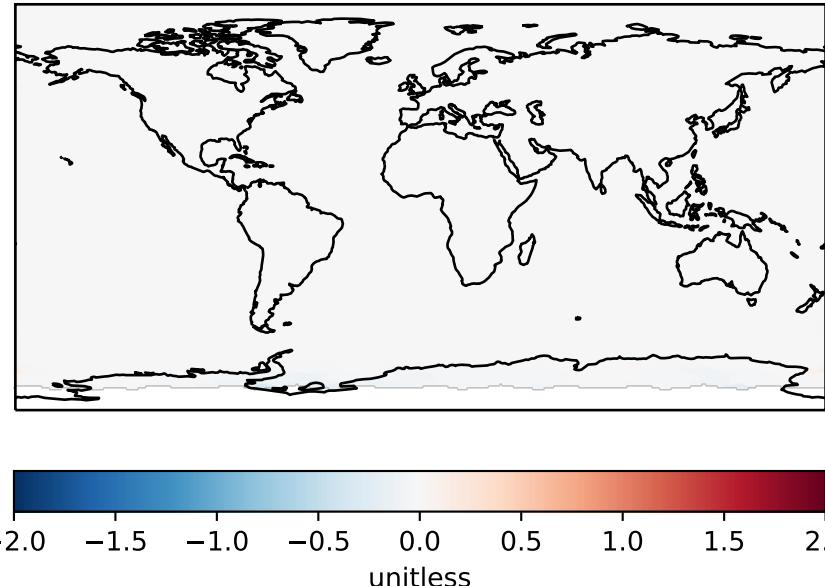
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

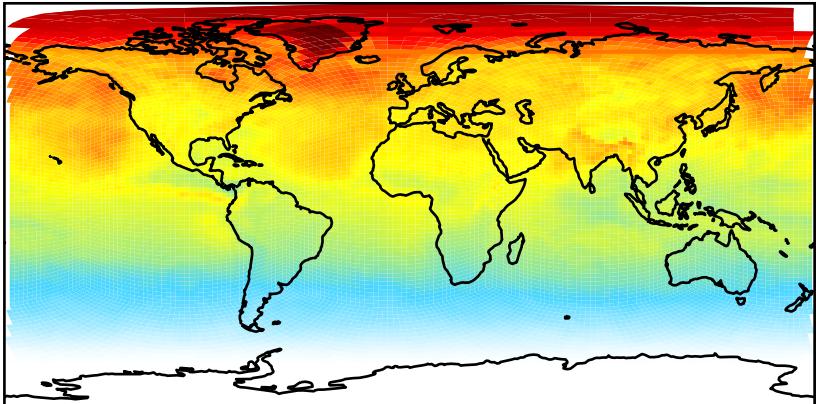


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

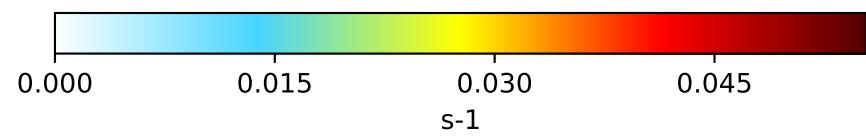
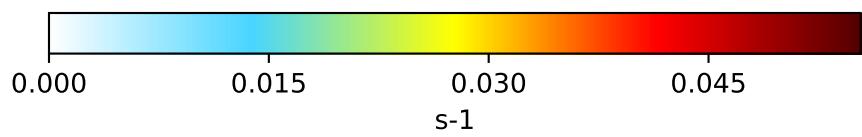
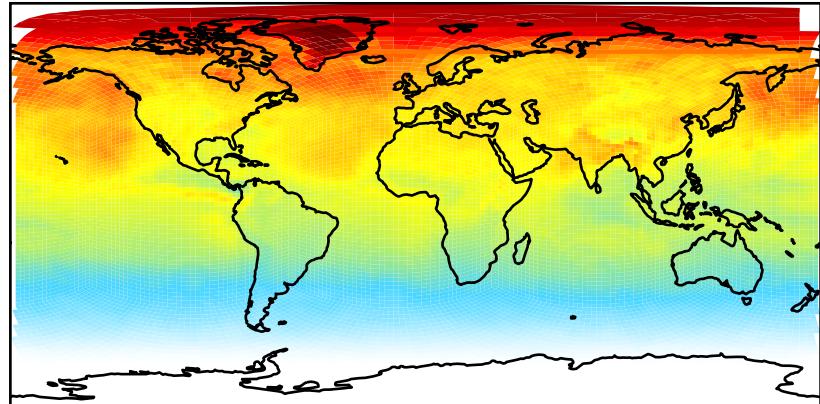


Jval_I2O4

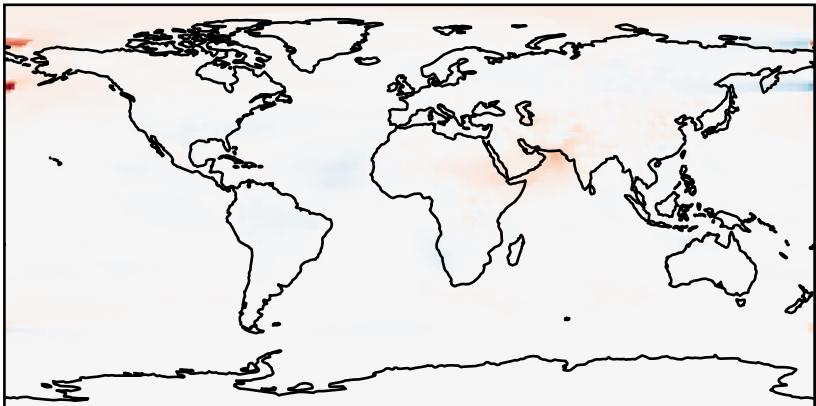
GCHP_12.7.0 (Ref)
c48



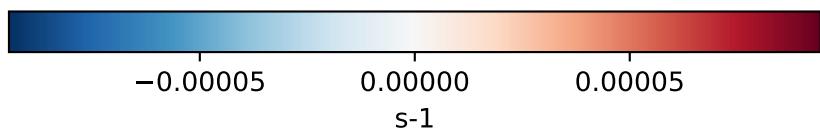
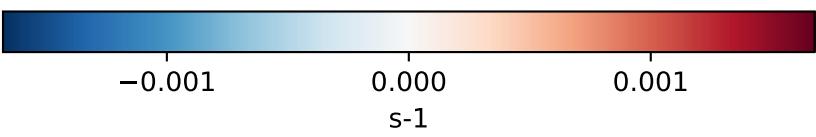
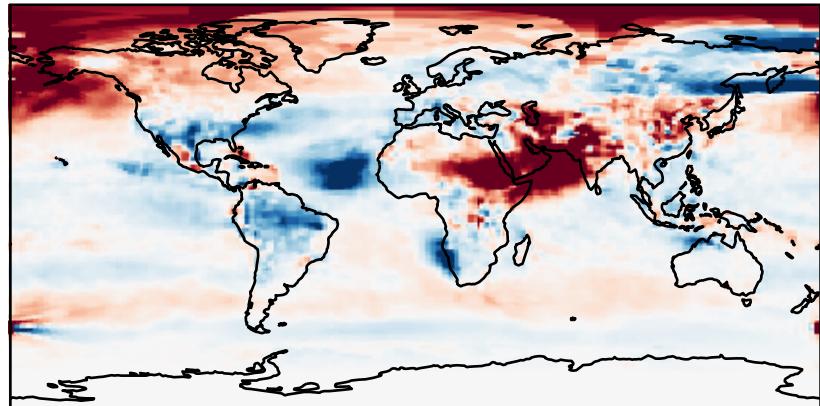
GCHP_12.8.0 (Dev)
c48



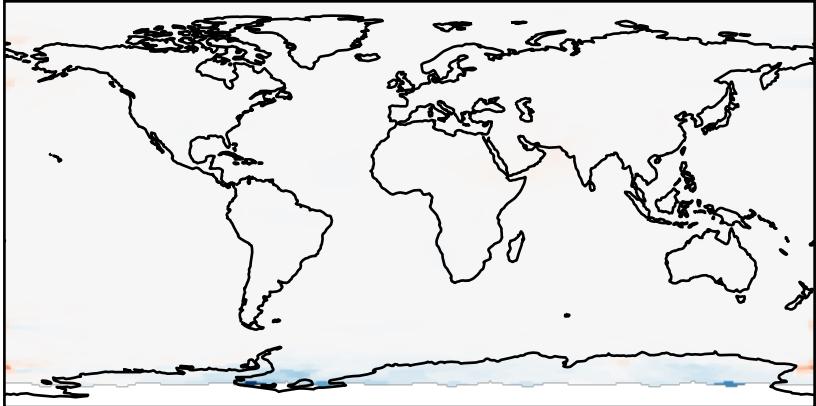
Difference (1x1.25)
Dev - Ref, Dynamic Range



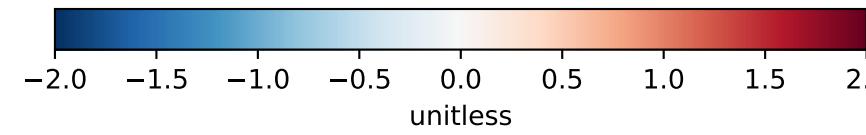
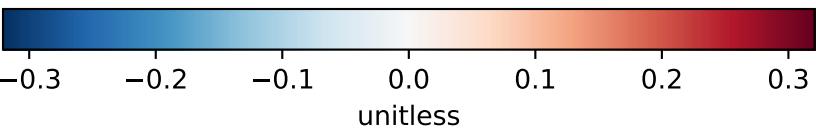
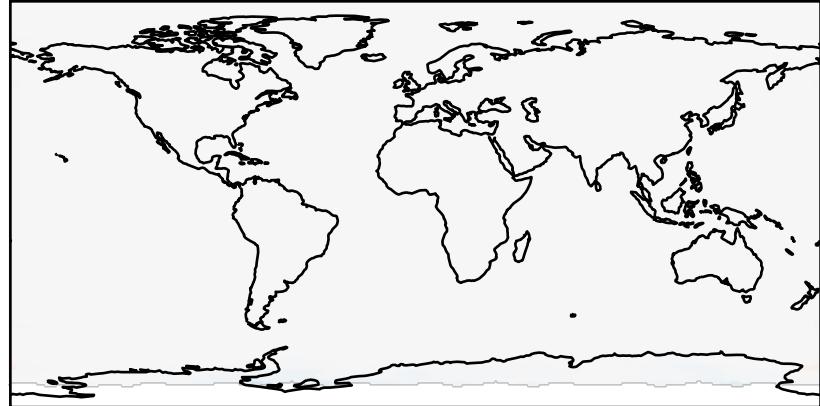
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



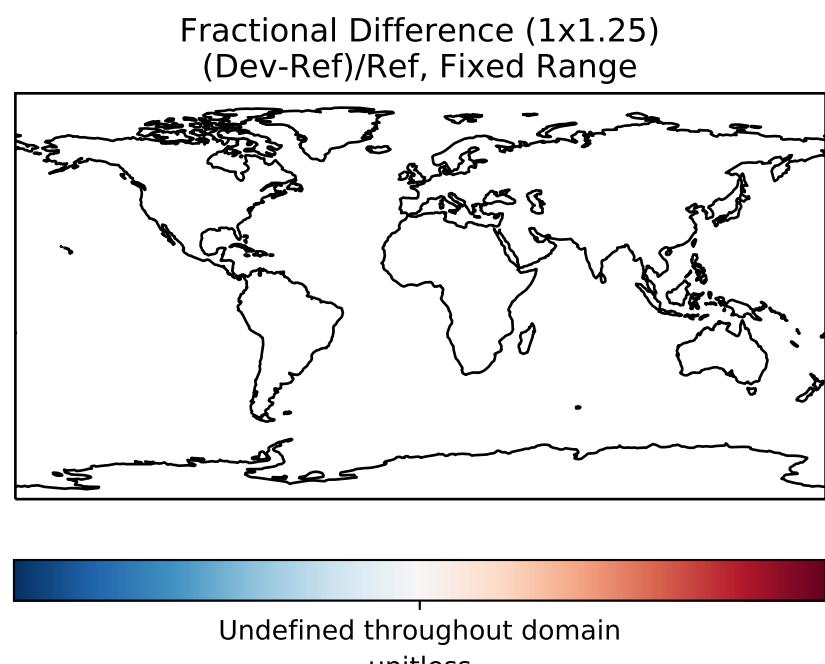
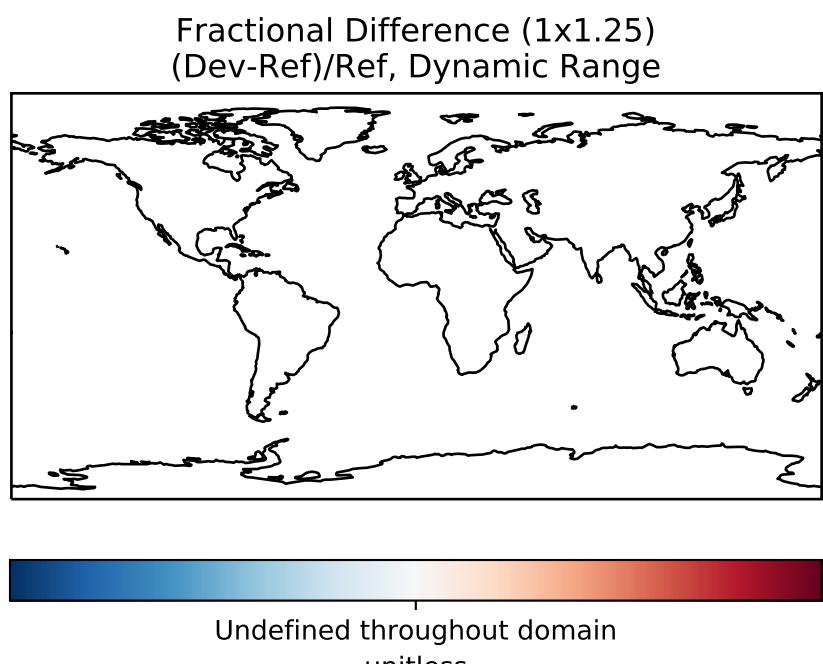
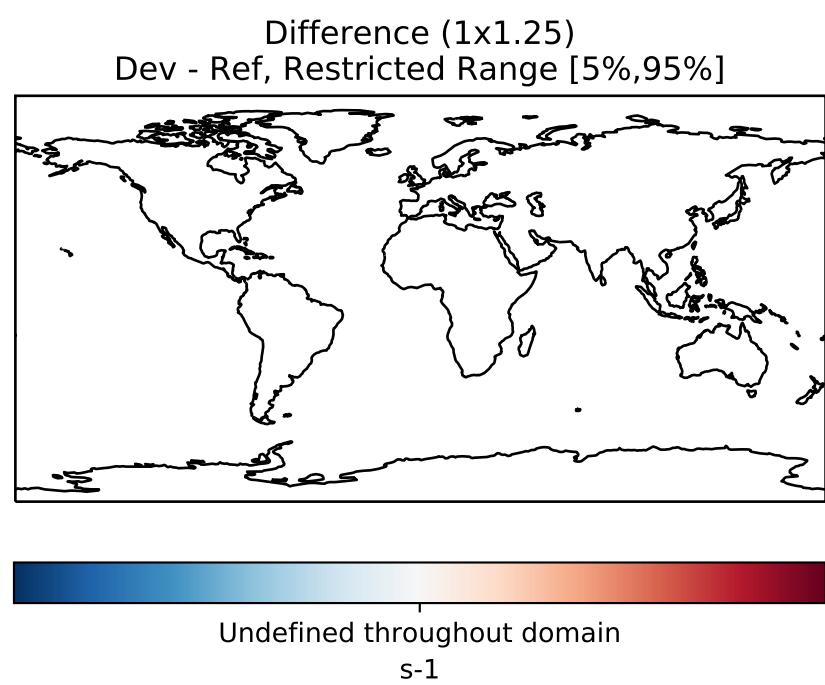
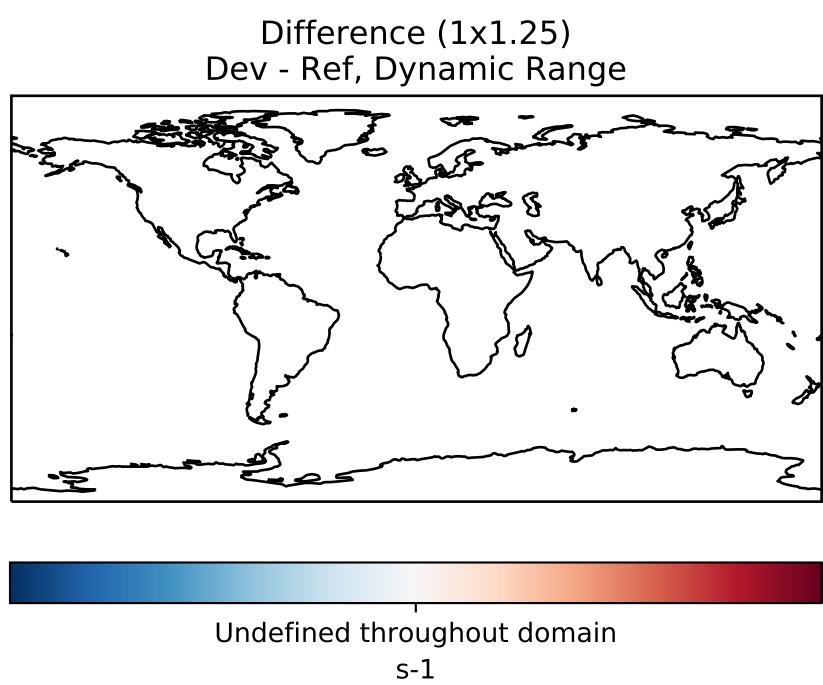
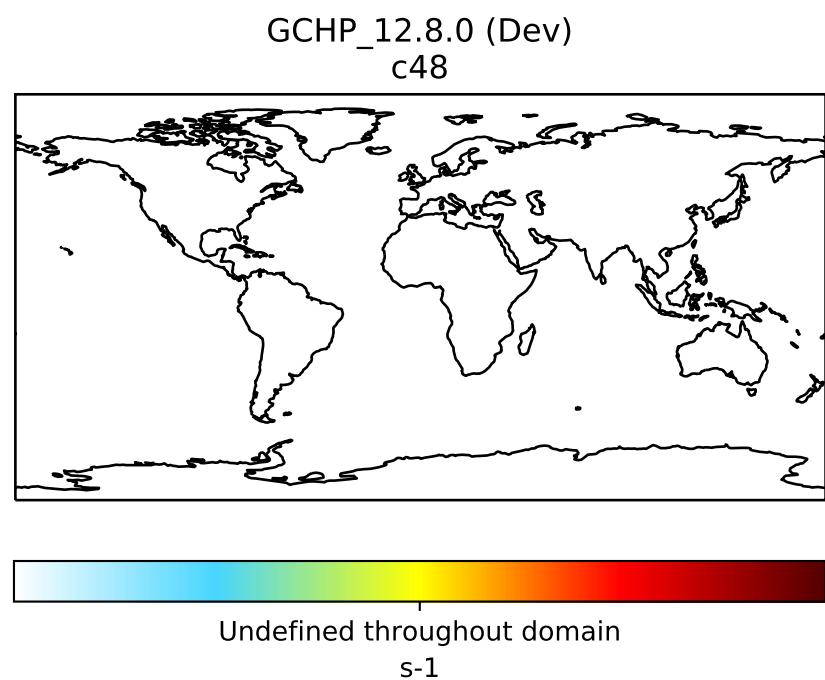
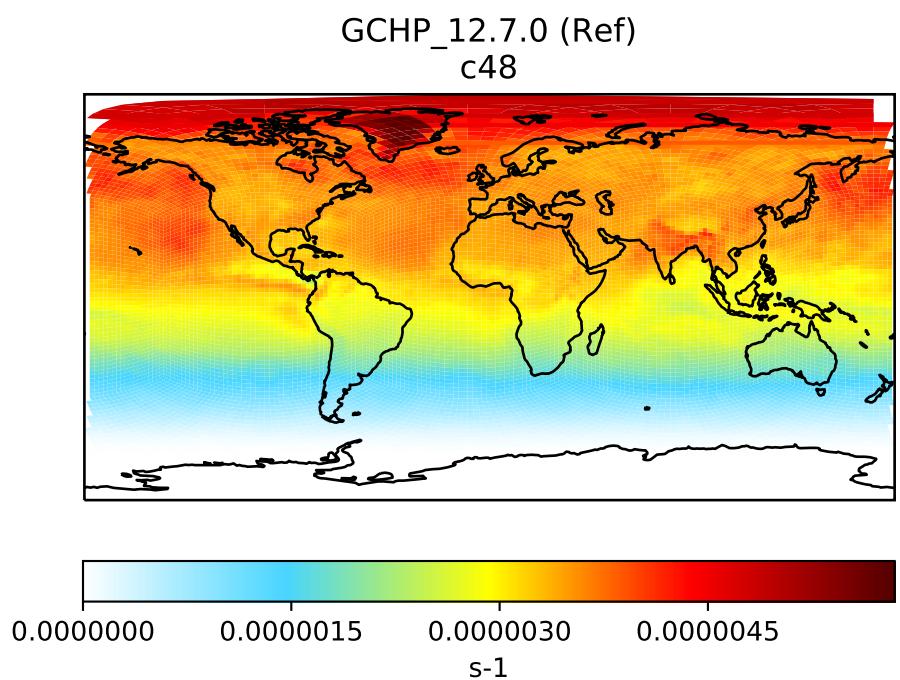
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

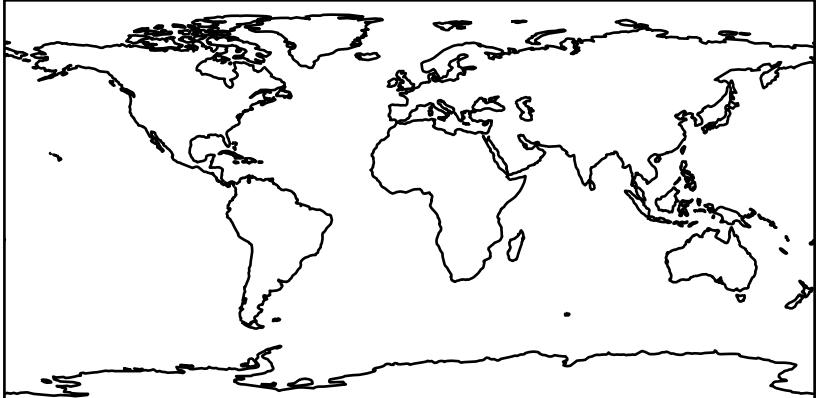


Jval_IAP



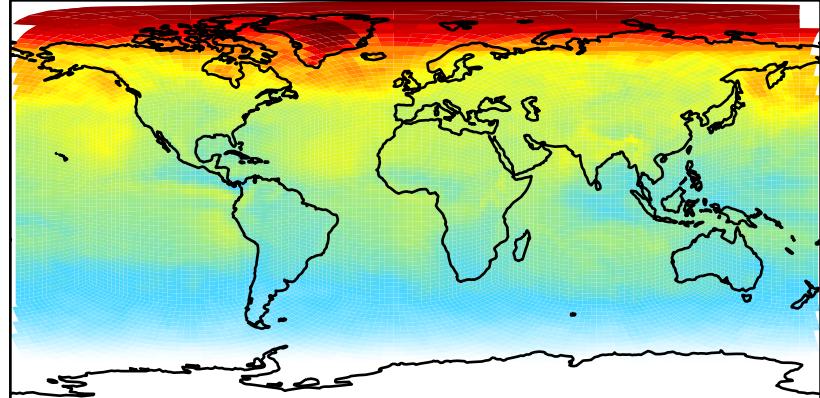
Jval_IBR

GCHP_12.7.0 (Ref)
c48



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s-1

GCHP_12.8.0 (Dev)
c48



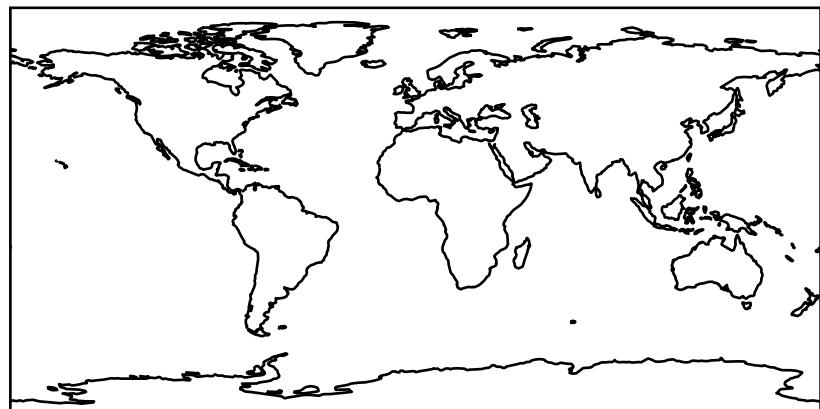
0.00 0.02 0.04 0.06 0.08 0.10
s-1

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



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s-1

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



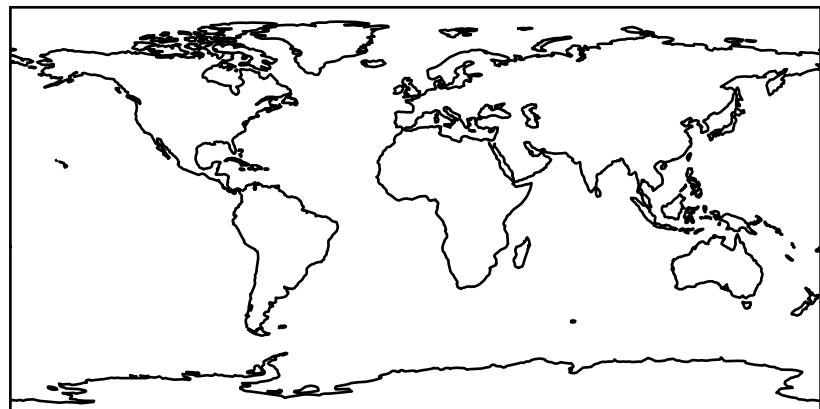
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



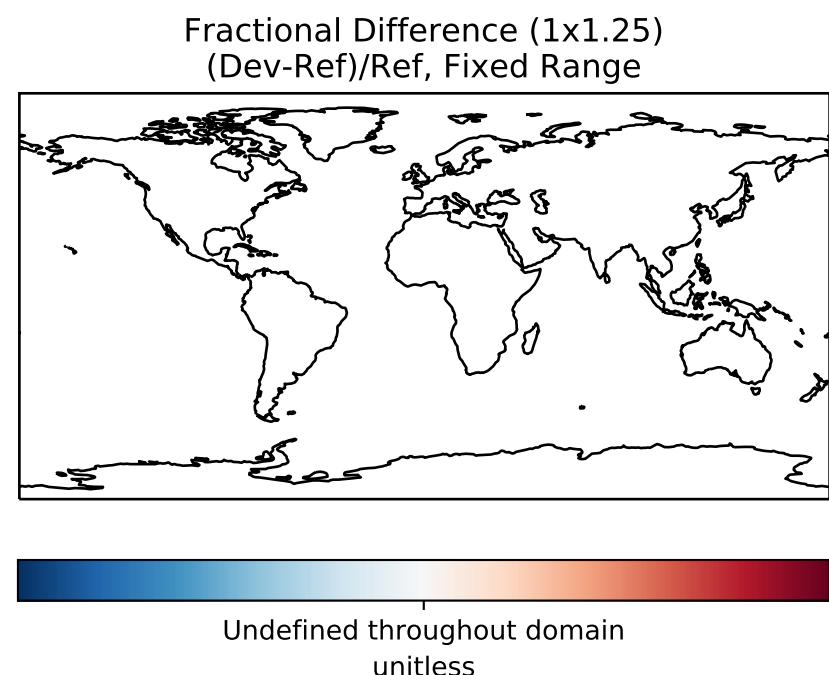
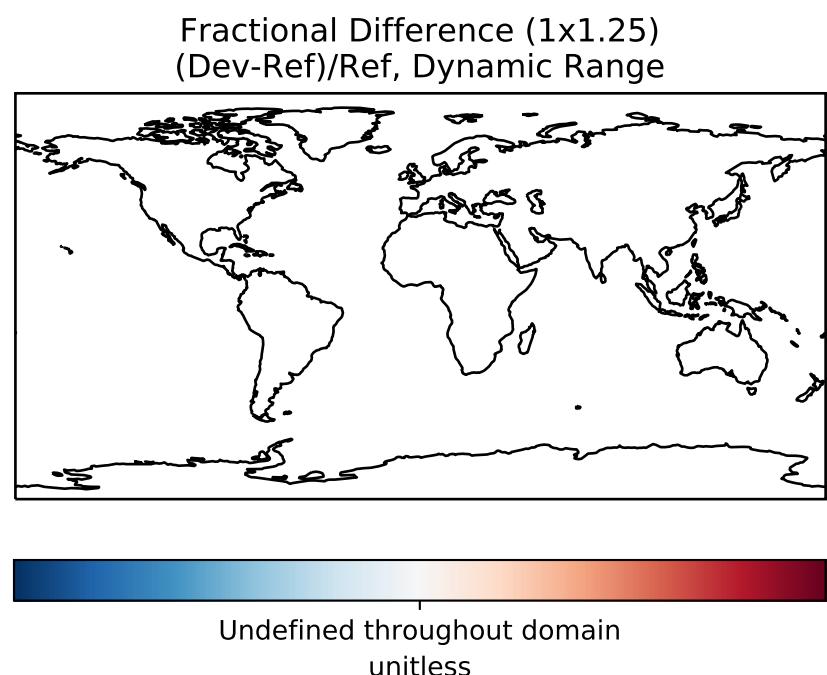
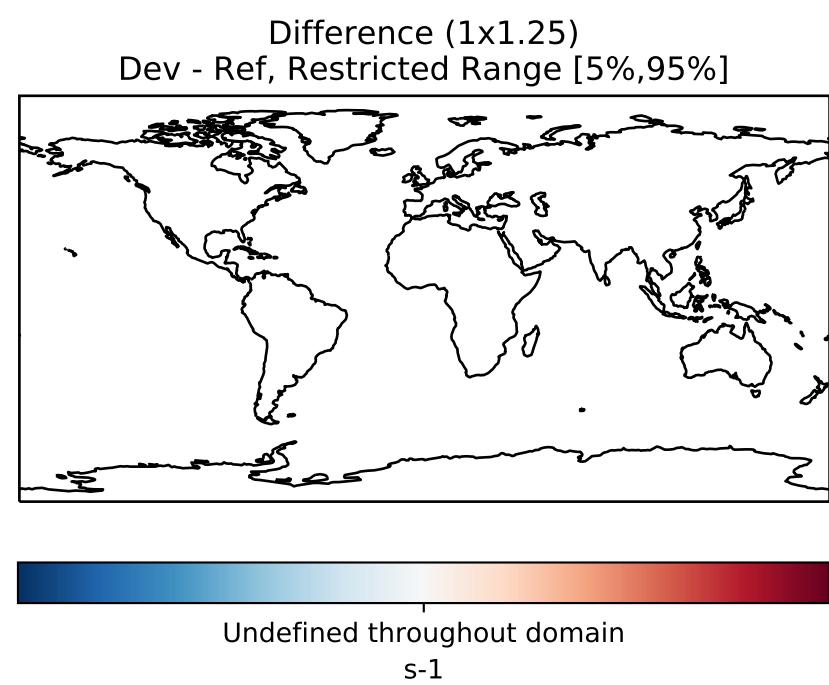
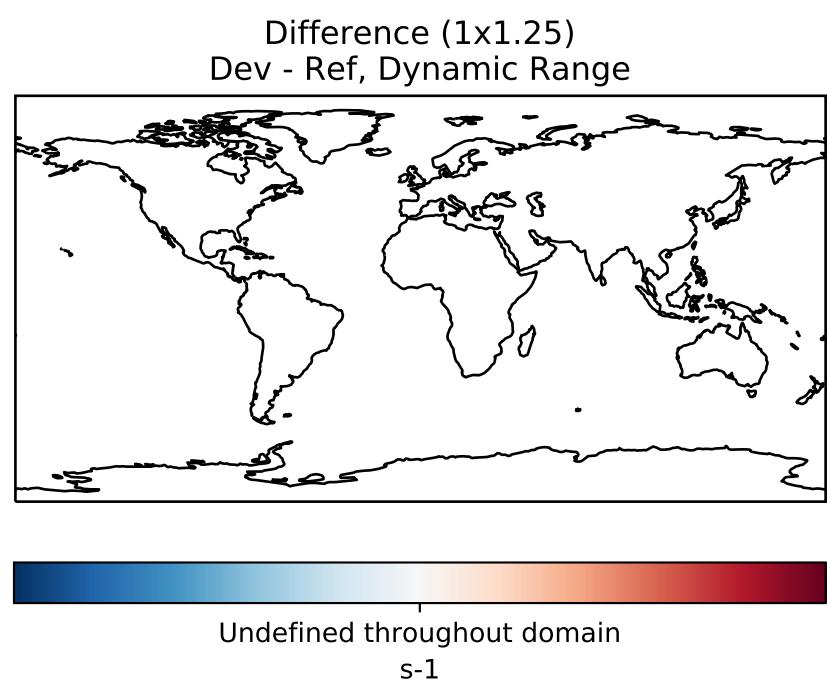
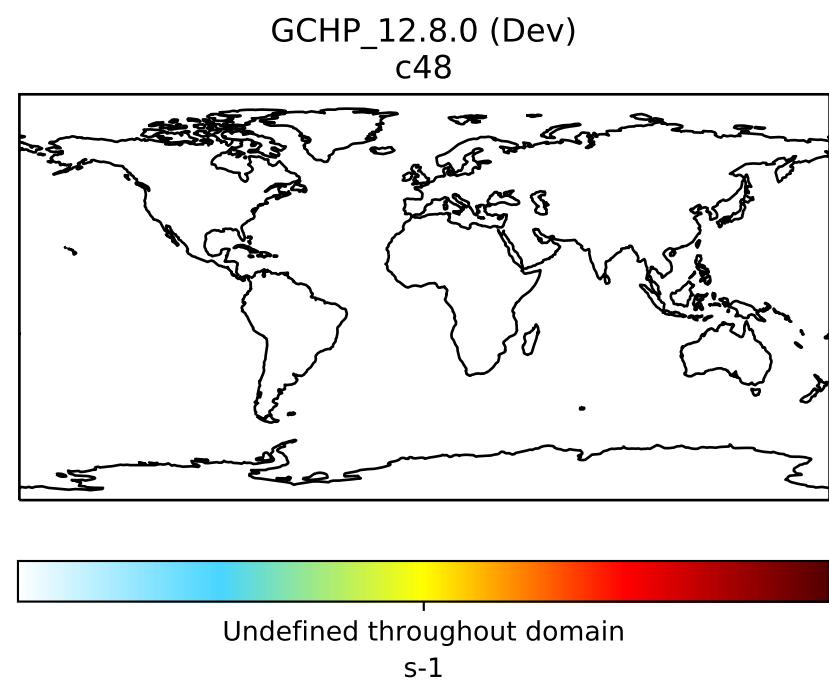
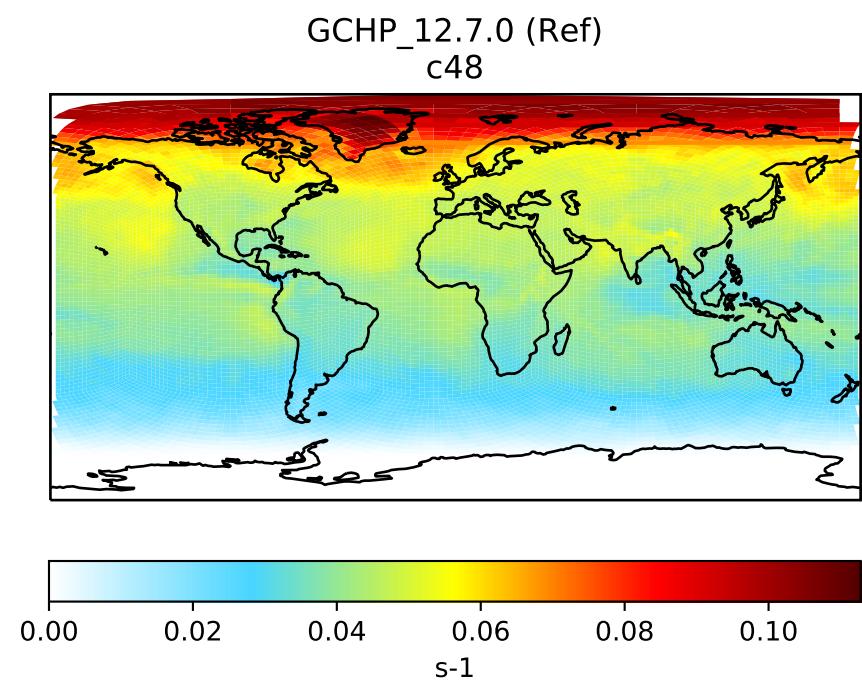
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



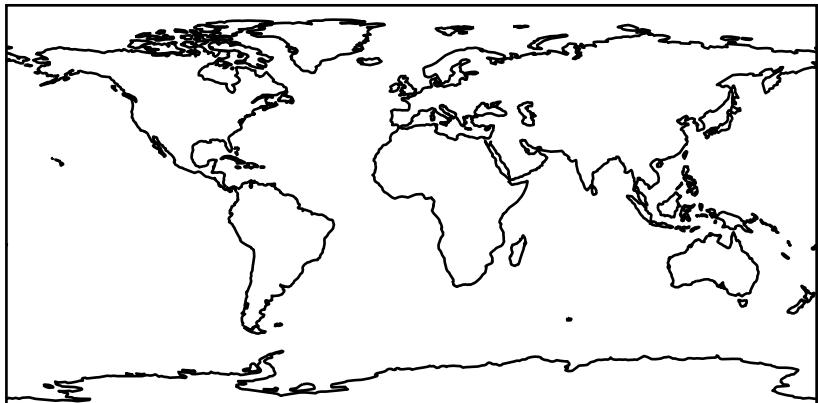
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Jval_IBr

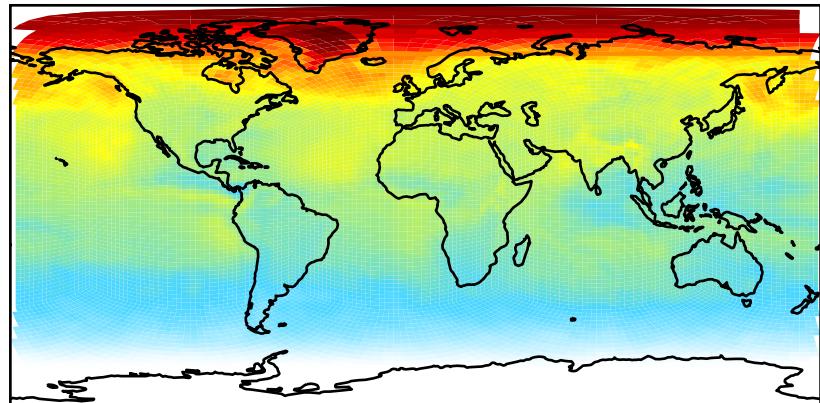


Jval_ICL

GCHP_12.7.0 (Ref)
c48



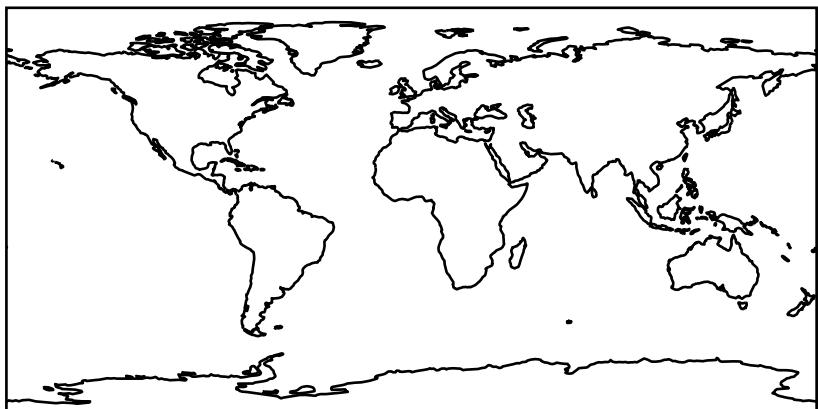
GCHP_12.8.0 (Dev)
c48



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s⁻¹

0.00 0.01 0.02 0.03
s⁻¹

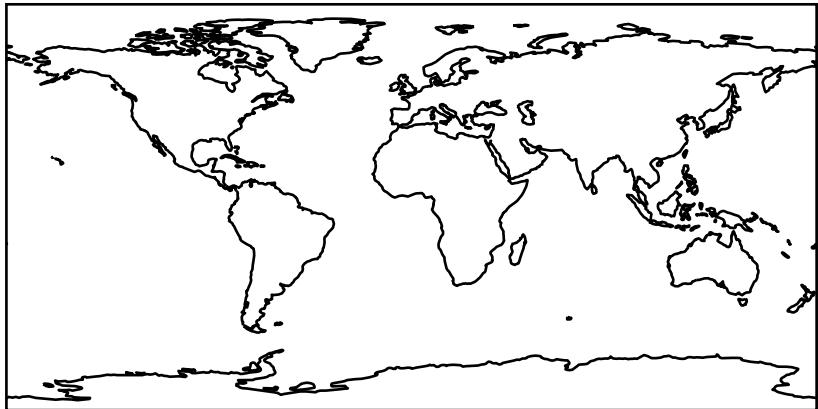
Difference (1x1.25)
Dev - Ref, Dynamic Range



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s⁻¹

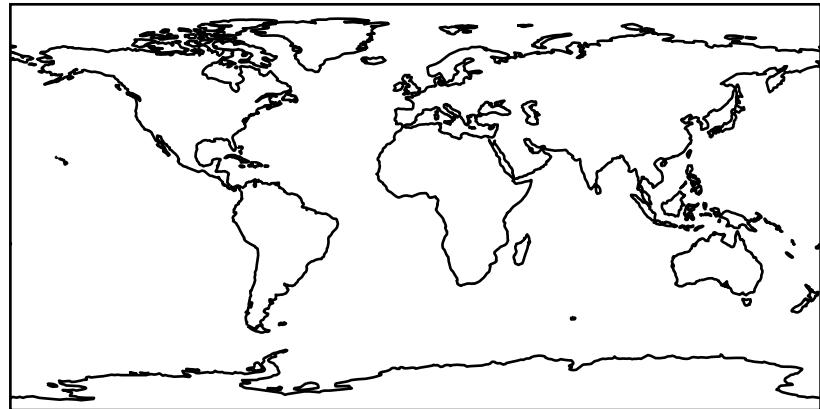
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s⁻¹

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



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unitless

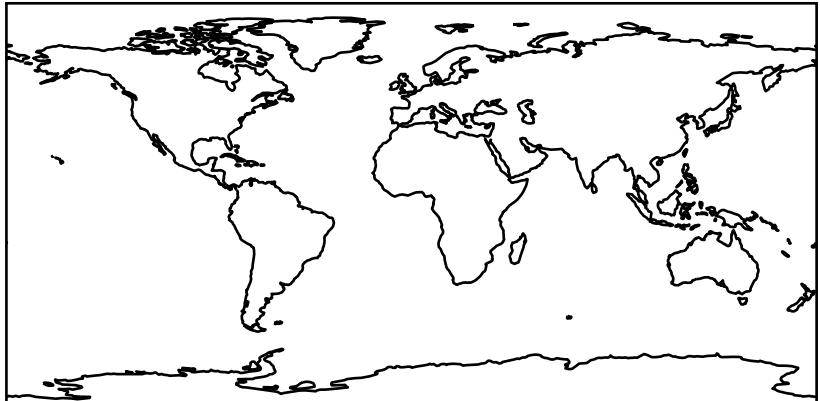
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



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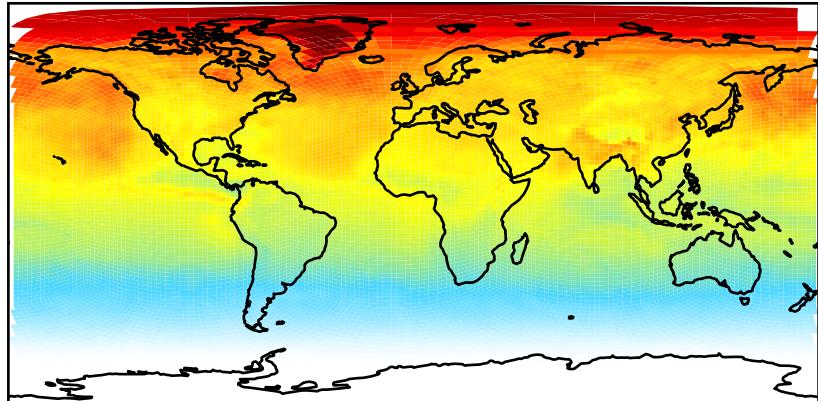
Jval_ICN

GCHP_12.7.0 (Ref)
c48



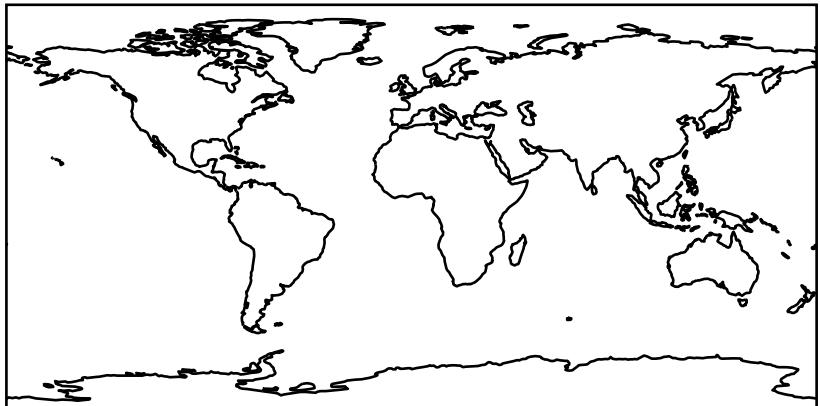
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s-1

GCHP_12.8.0 (Dev)
c48



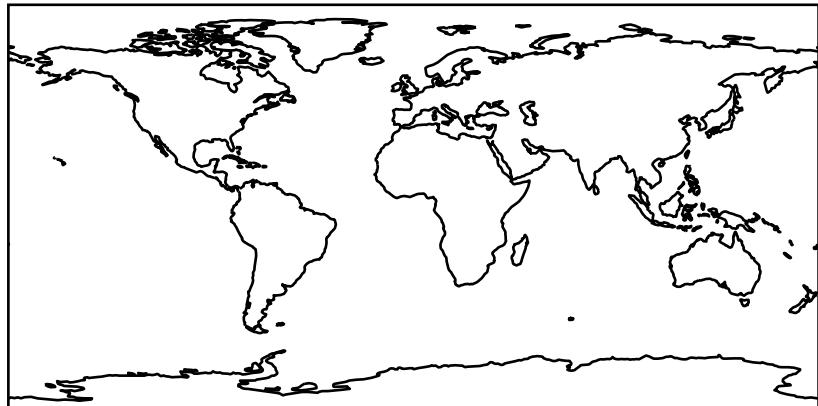
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Difference (1x1.25)
Dev - Ref, Dynamic Range



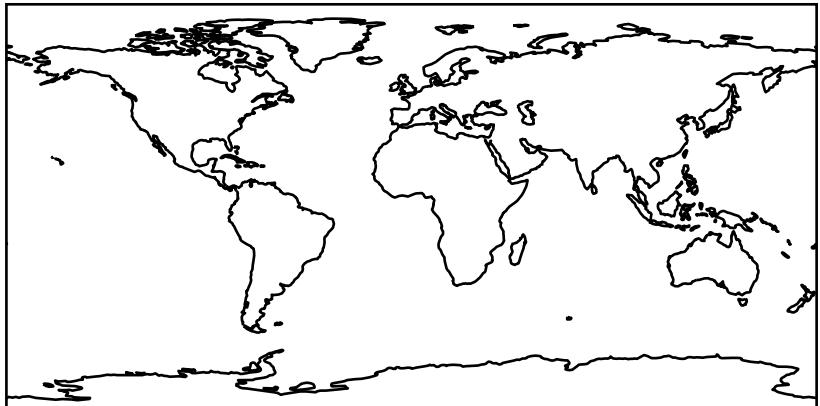
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Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



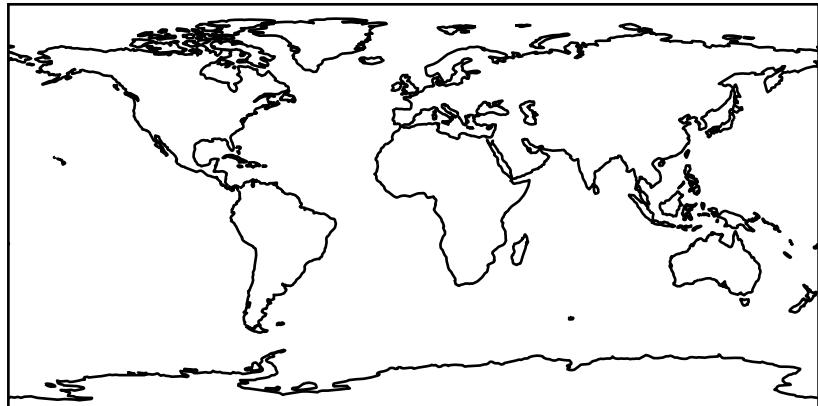
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s-1

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



Undefined throughout domain
unitless

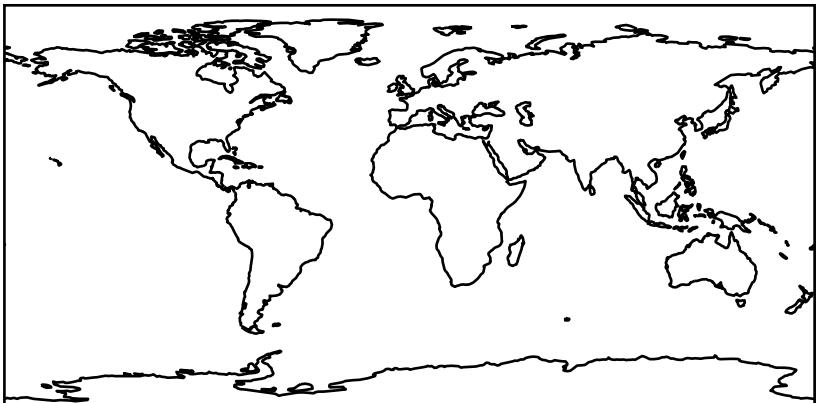
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



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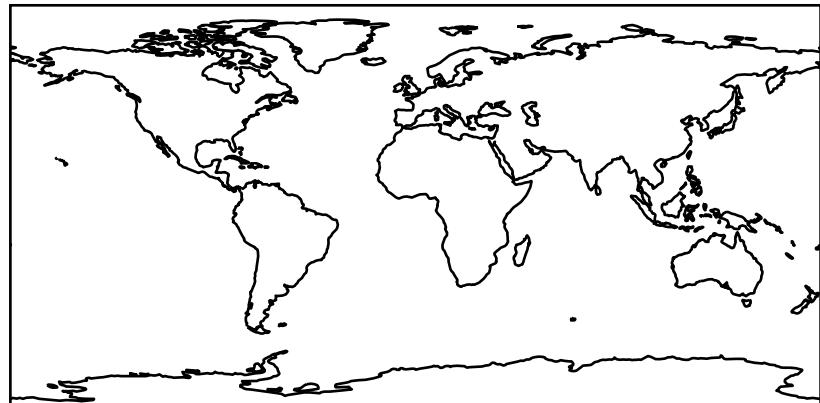
Jval_ICPDH

GCHP_12.7.0 (Ref)
c48



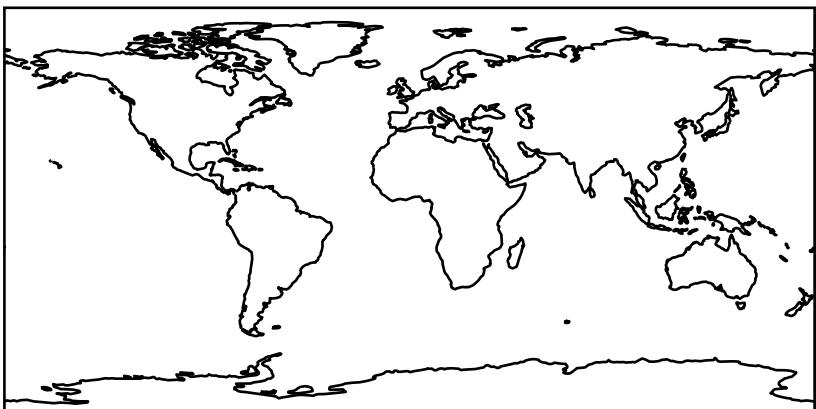
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s-1

GCHP_12.8.0 (Dev)
c48



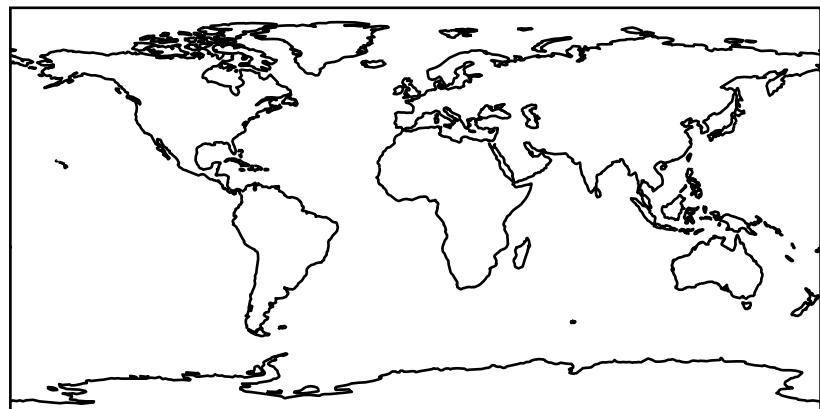
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s-1

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



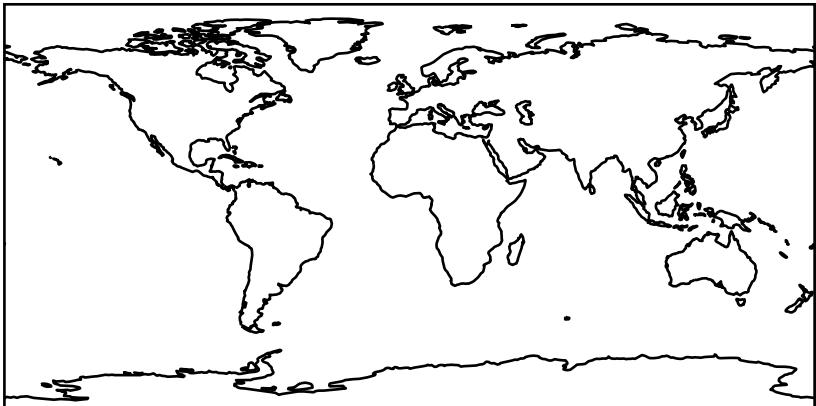
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s-1

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



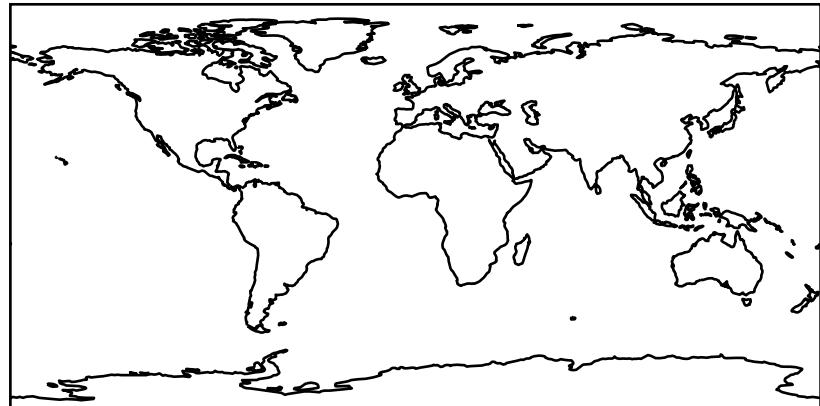
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



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unitless

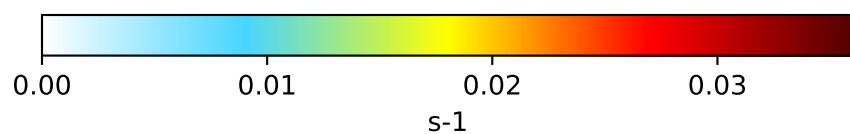
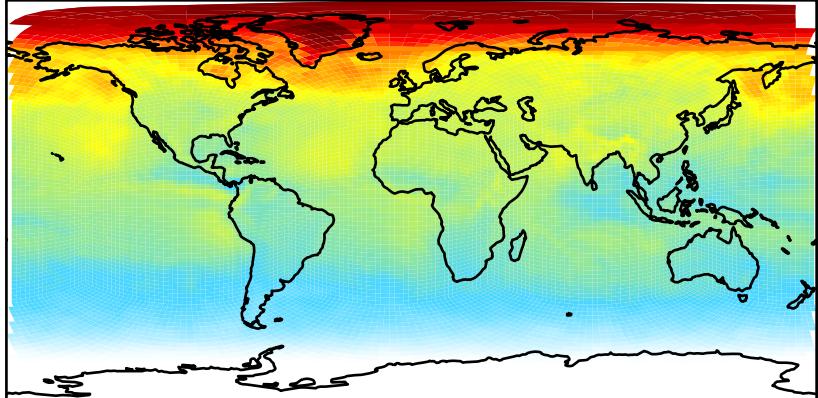
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



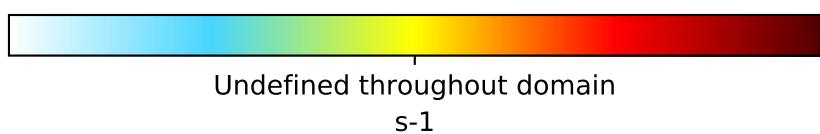
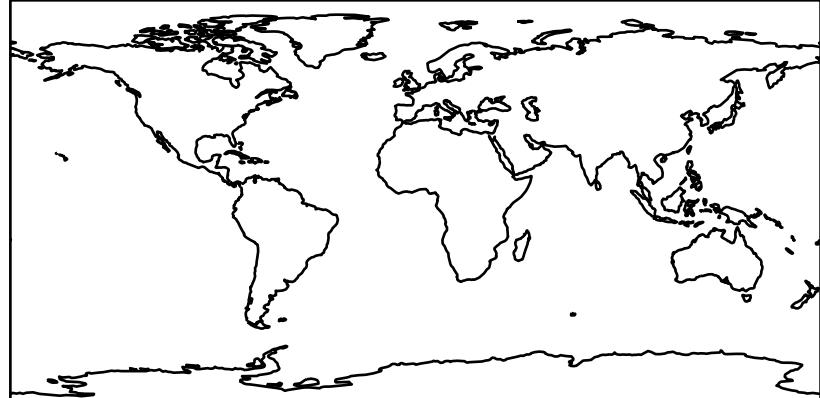
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unitless

Jval_ICI

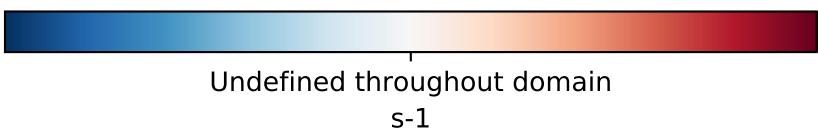
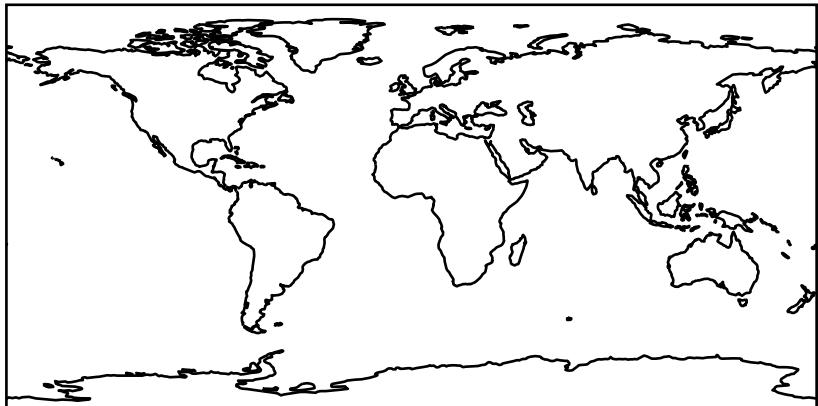
GCHP_12.7.0 (Ref)
c48



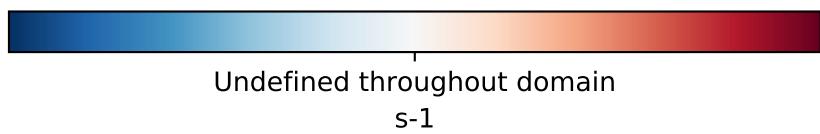
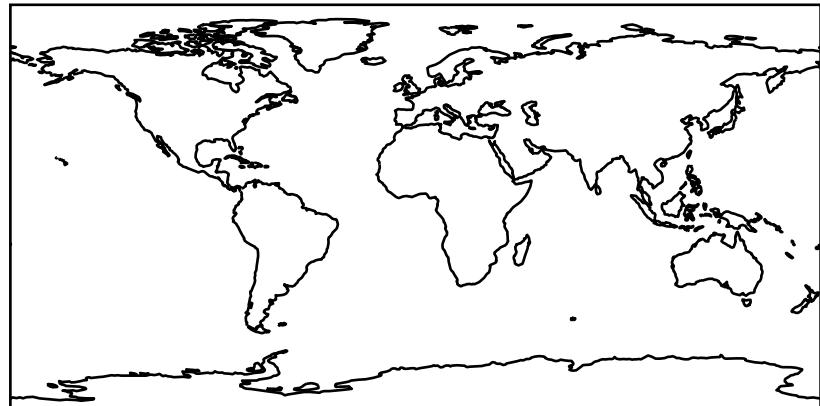
GCHP_12.8.0 (Dev)
c48



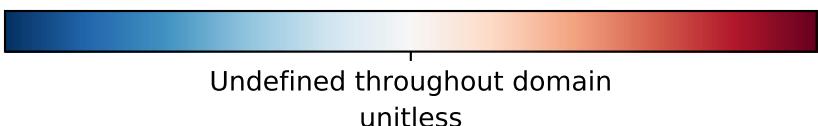
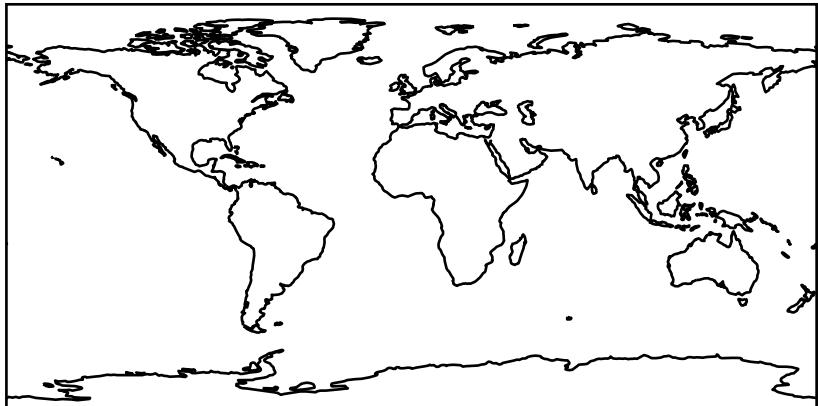
Difference (1x1.25)
Dev - Ref, Dynamic Range



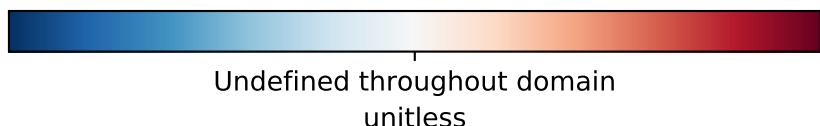
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

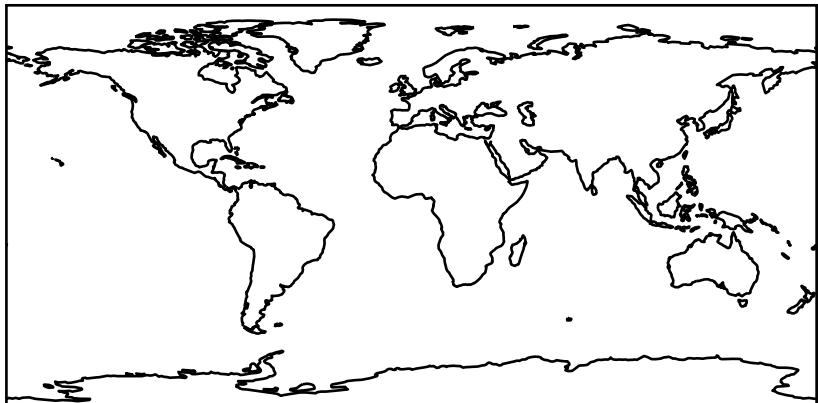


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



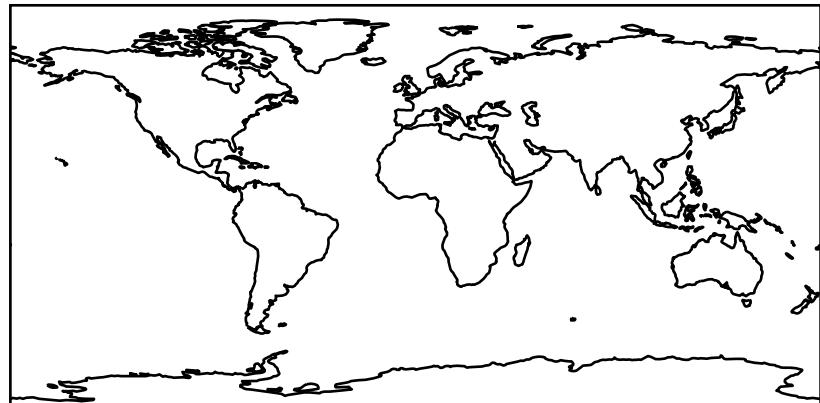
Jval_IDCHP

GCHP_12.7.0 (Ref)
c48



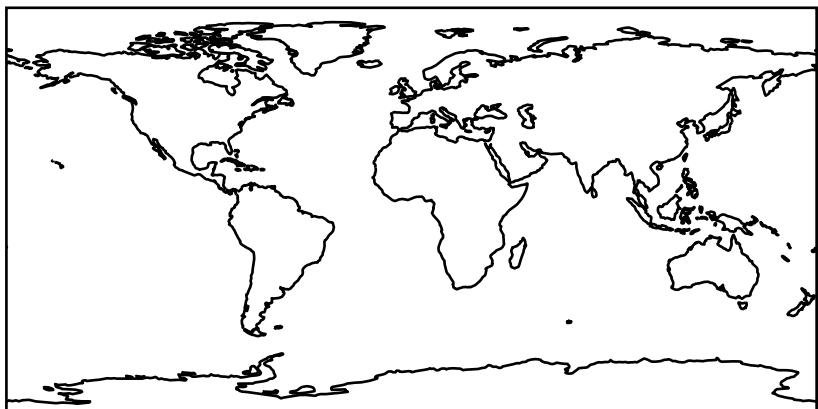
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s-1

GCHP_12.8.0 (Dev)
c48



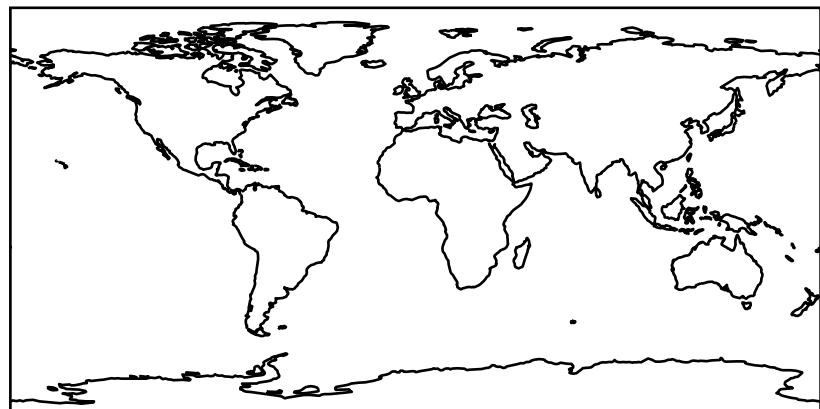
Zero throughout domain
s-1

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



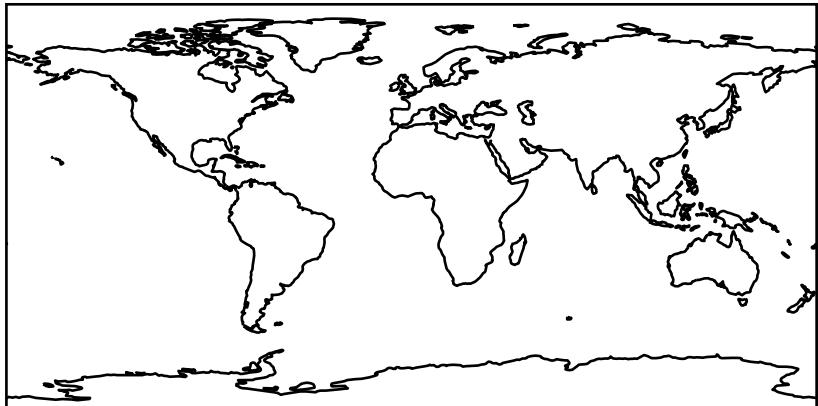
Undefined throughout domain
s-1

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



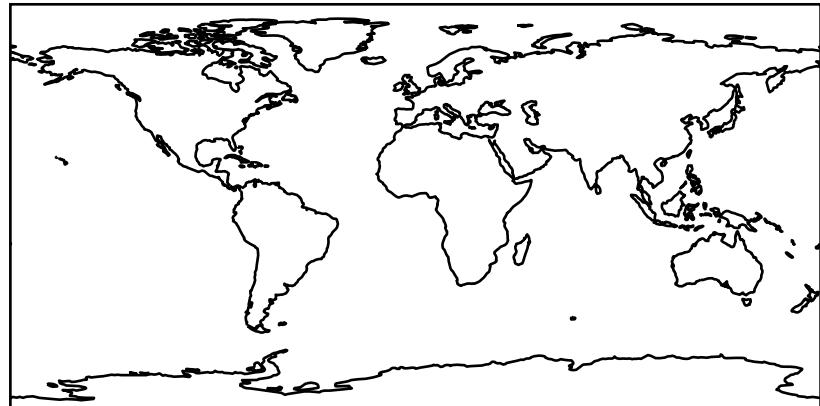
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s-1

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



Undefined throughout domain
unitless

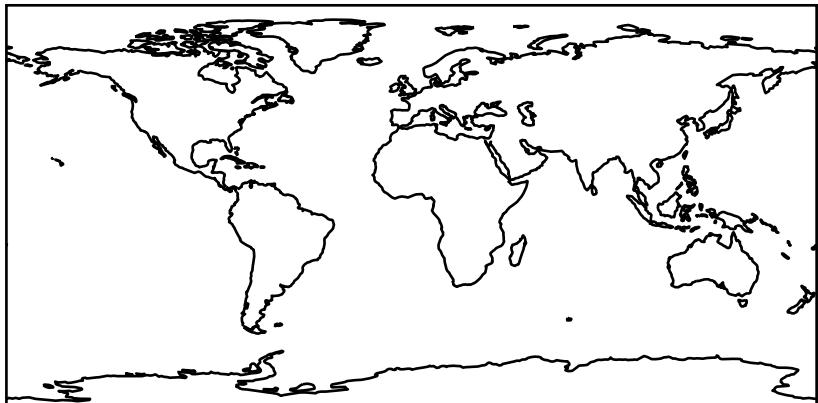
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



Undefined throughout domain
unitless

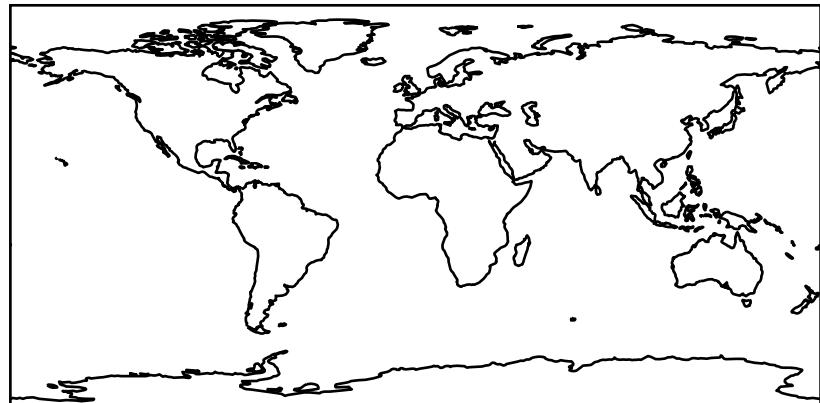
Jval_IDHDP

GCHP_12.7.0 (Ref)
c48



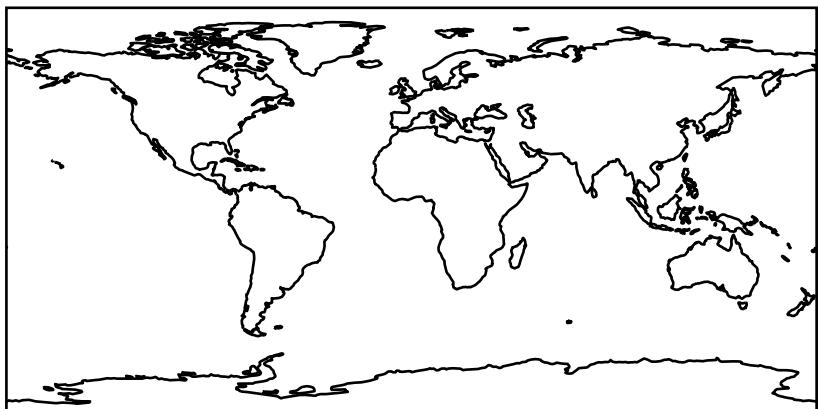
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s-1

GCHP_12.8.0 (Dev)
c48



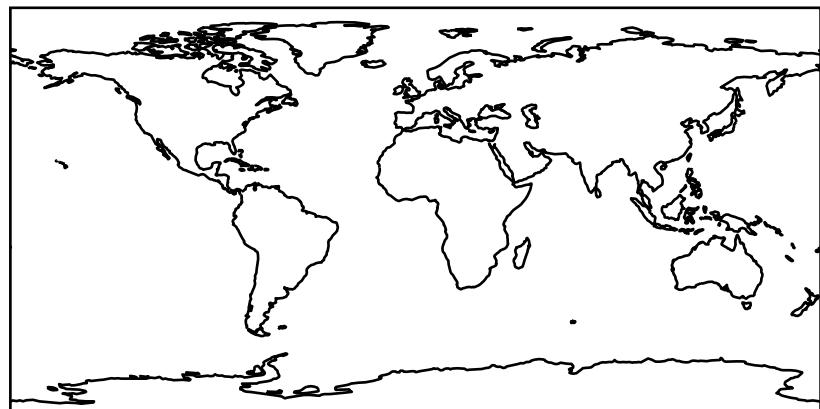
Zero throughout domain
s-1

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



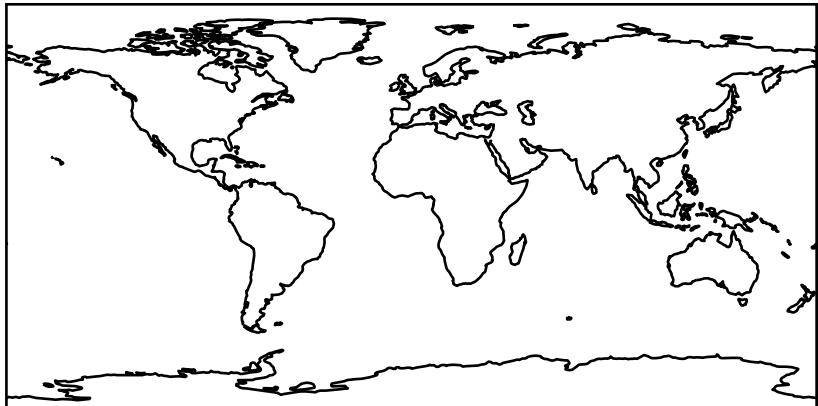
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Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



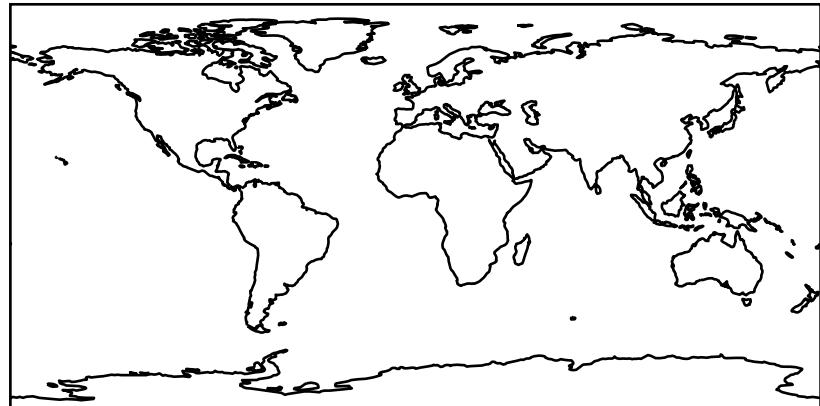
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



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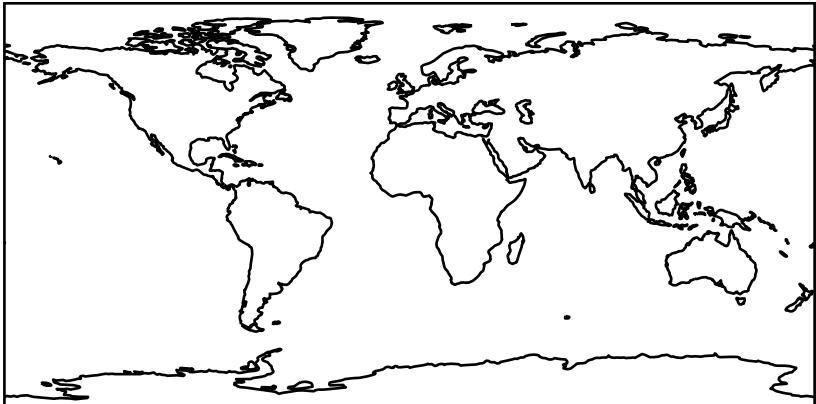
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(Dev-Ref)/Ref, Fixed Range



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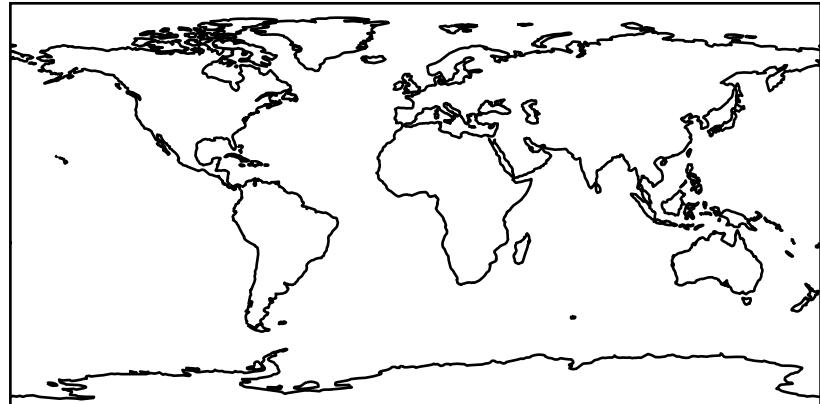
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GCHP_12.7.0 (Ref)
c48



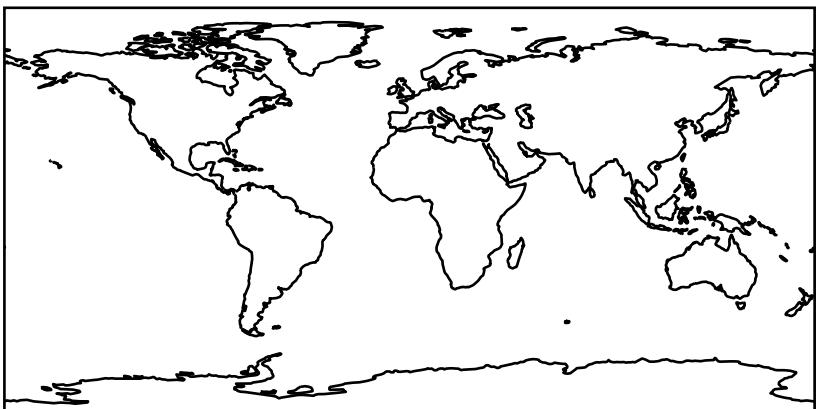
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GCHP_12.8.0 (Dev)
c48



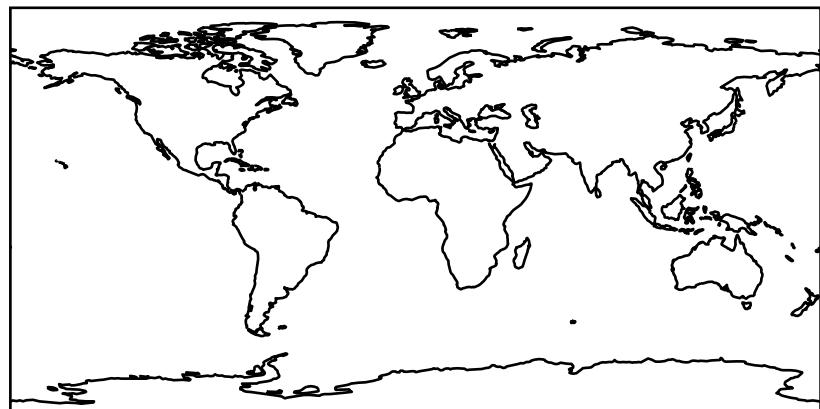
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Difference (1x1.25)
Dev - Ref, Dynamic Range



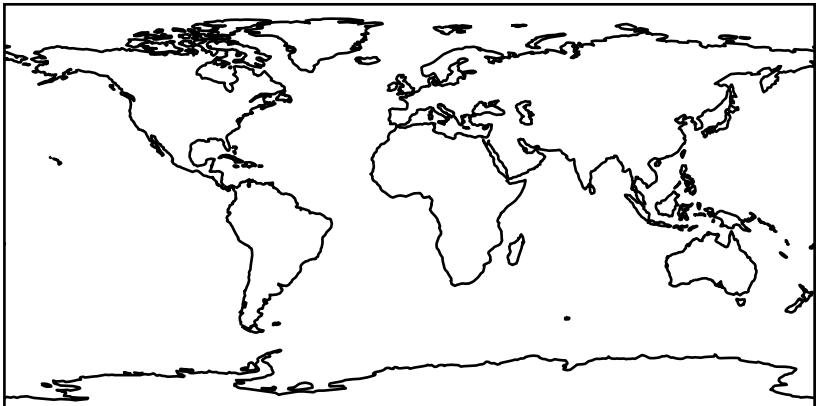
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Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



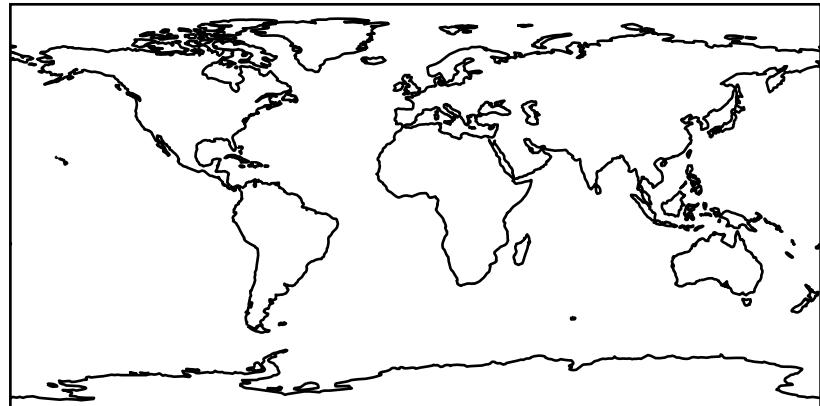
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



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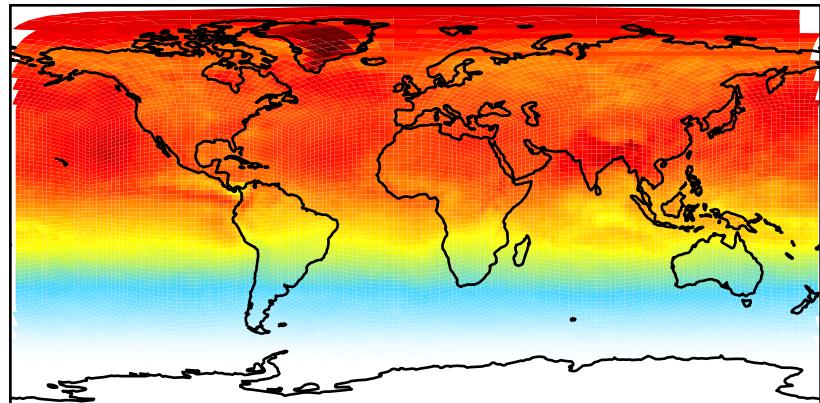
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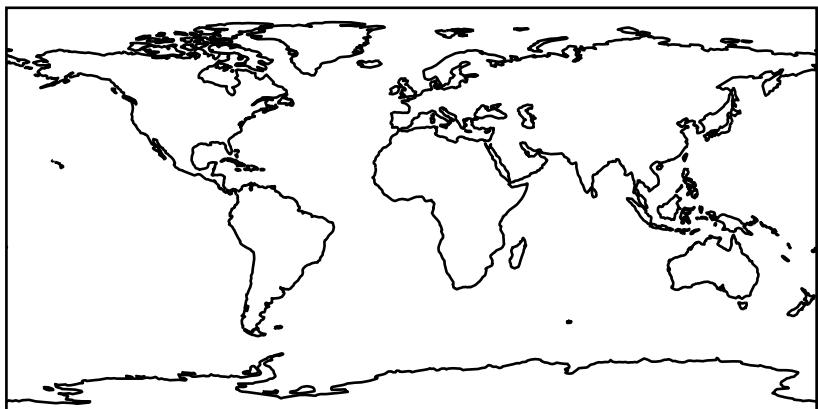
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GCHP_12.8.0 (Dev)
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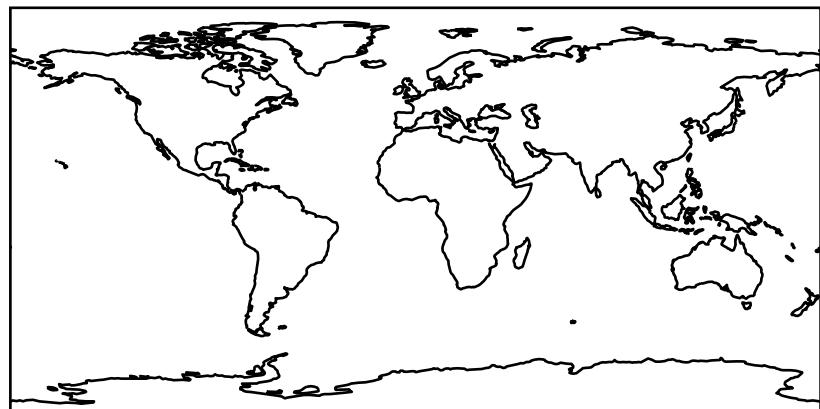
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Difference (1x1.25)
Dev - Ref, Dynamic Range



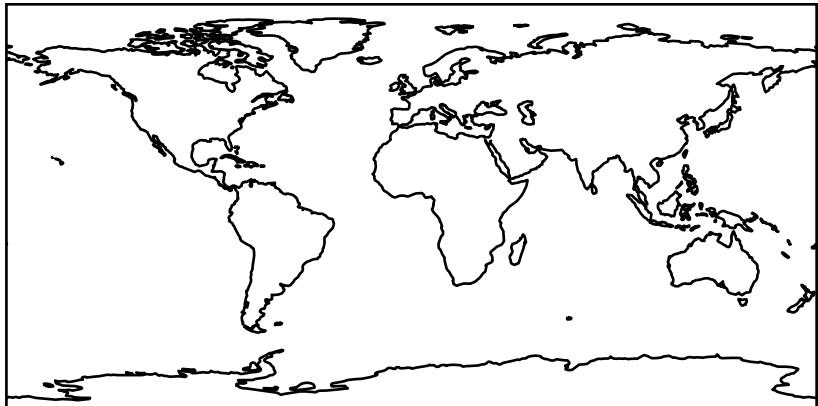
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Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



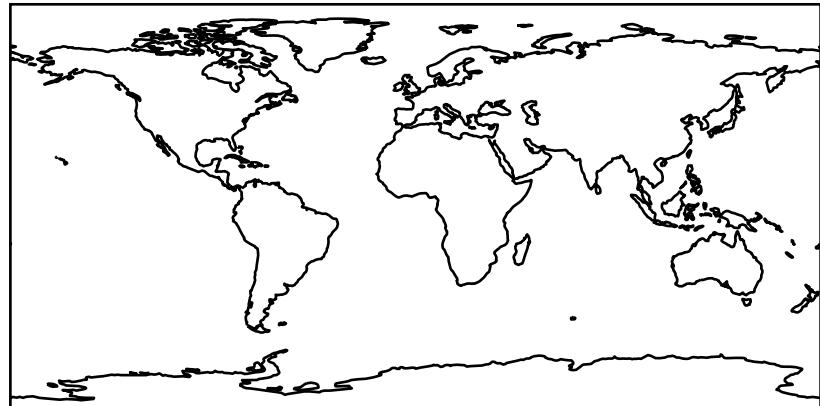
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



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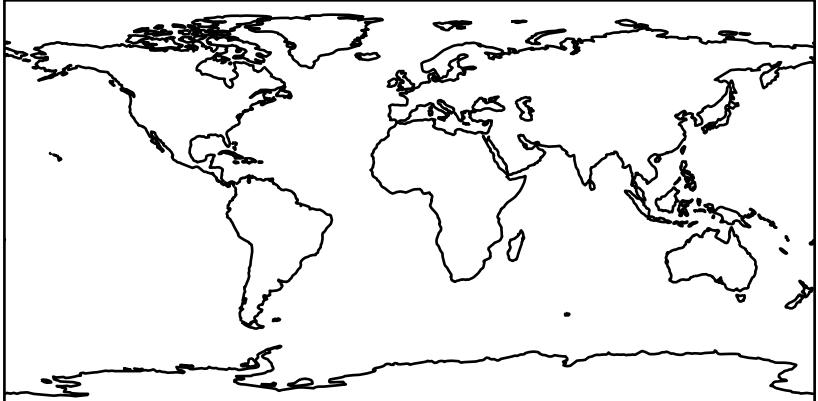
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(Dev-Ref)/Ref, Fixed Range



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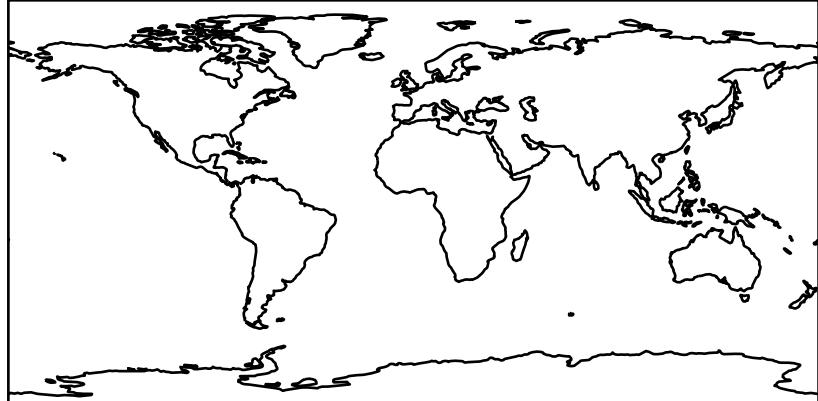
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GCHP_12.7.0 (Ref)
c48



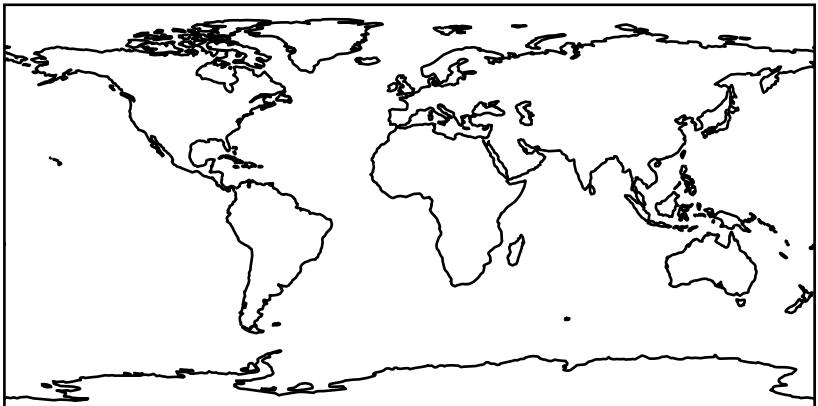
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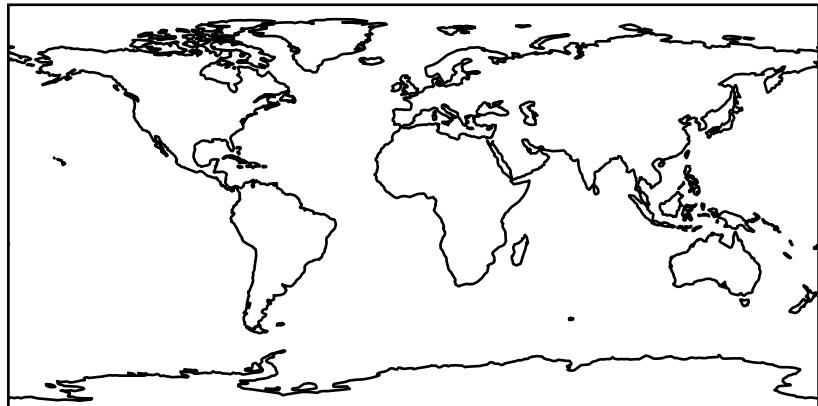
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Difference (1x1.25)
Dev - Ref, Dynamic Range



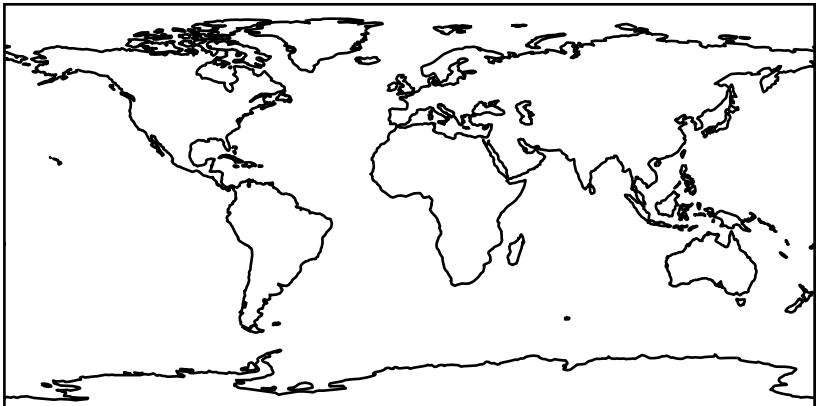
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Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



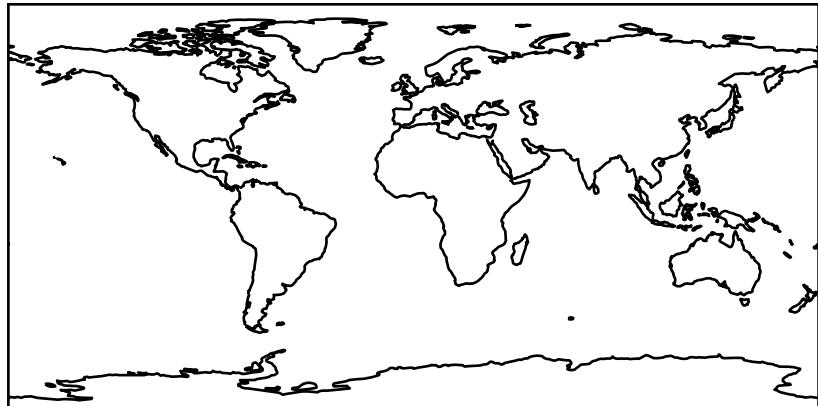
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



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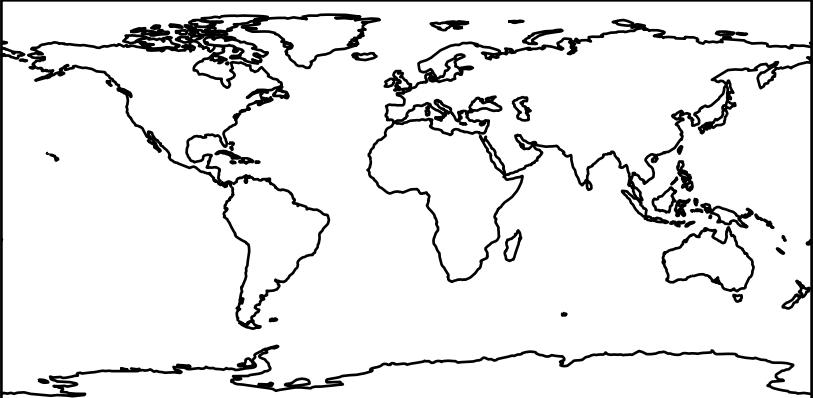
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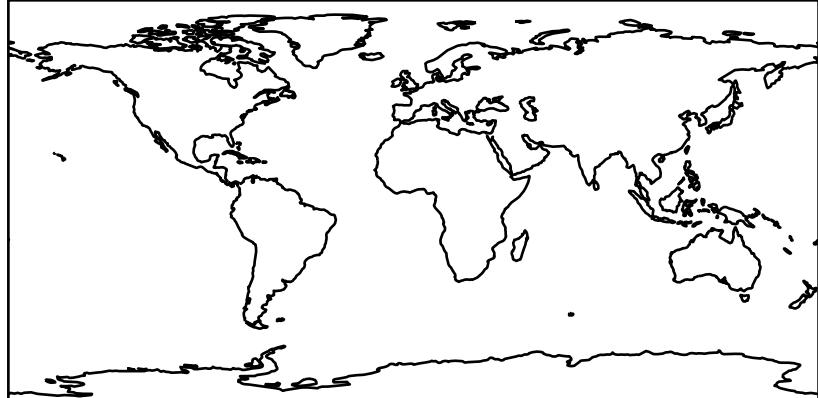
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GCHP_12.7.0 (Ref)
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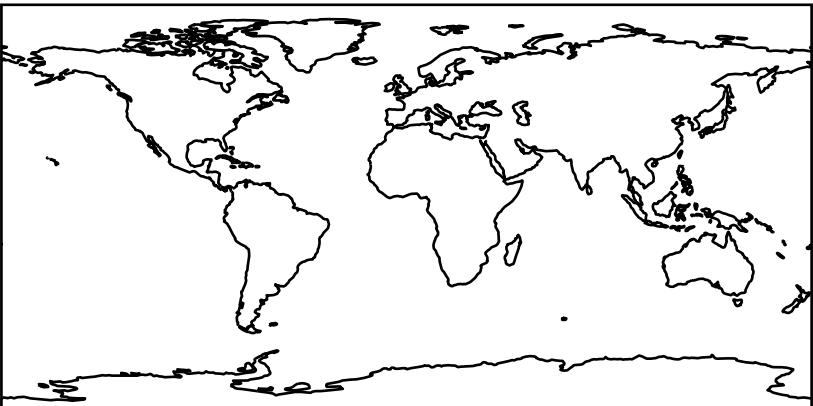
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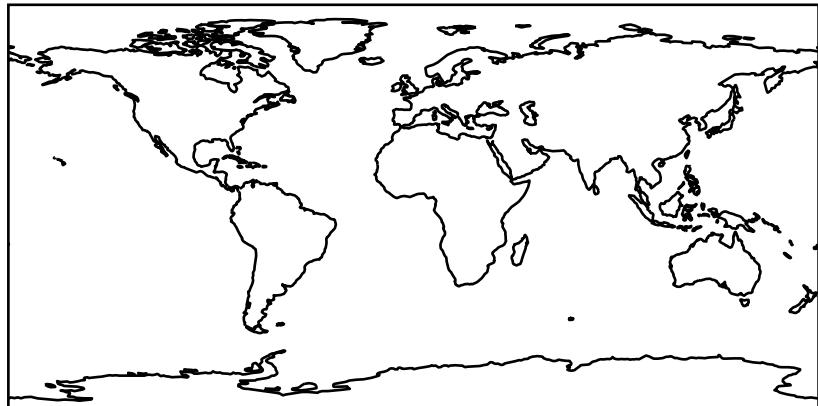
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Difference (1x1.25)
Dev - Ref, Dynamic Range



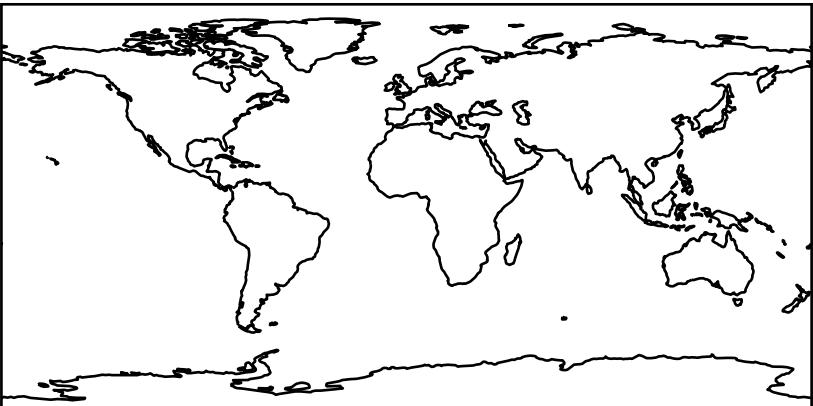
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Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



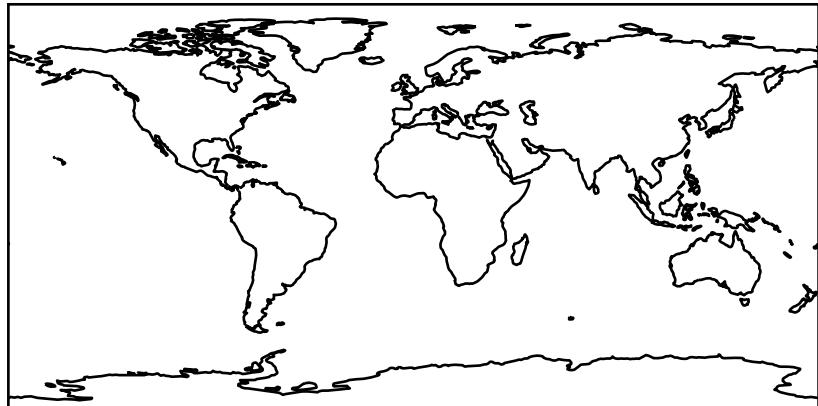
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Fractional Difference (1x1.25)
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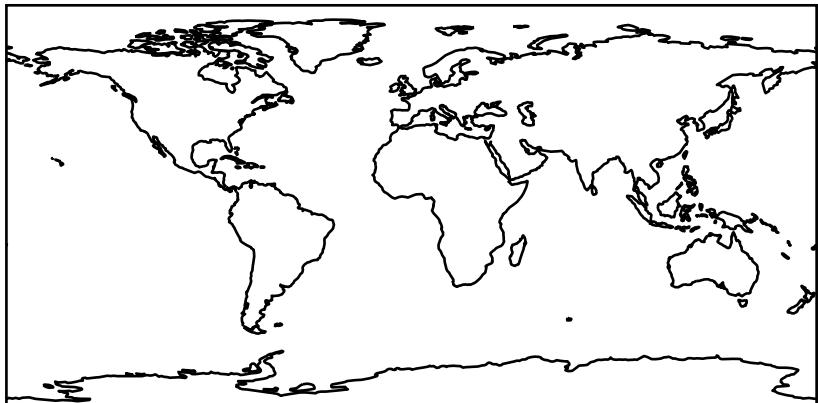
Fractional Difference (1x1.25)
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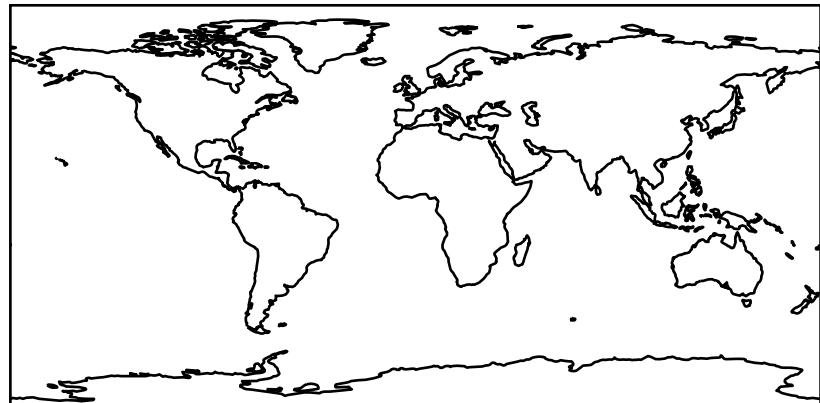
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c48



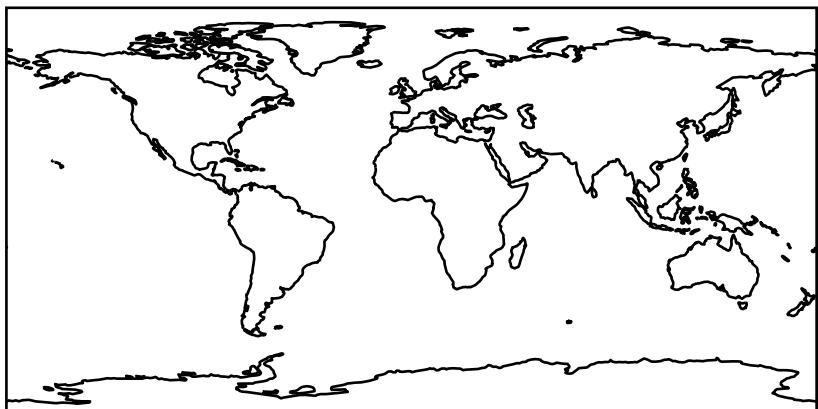
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GCHP_12.8.0 (Dev)
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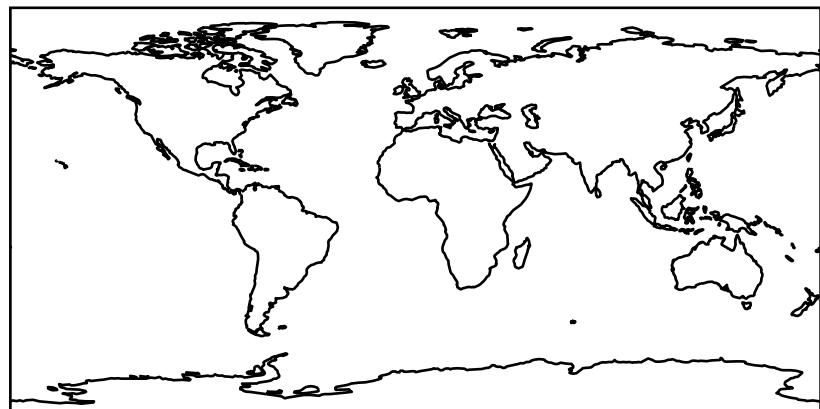
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Difference (1x1.25)
Dev - Ref, Dynamic Range



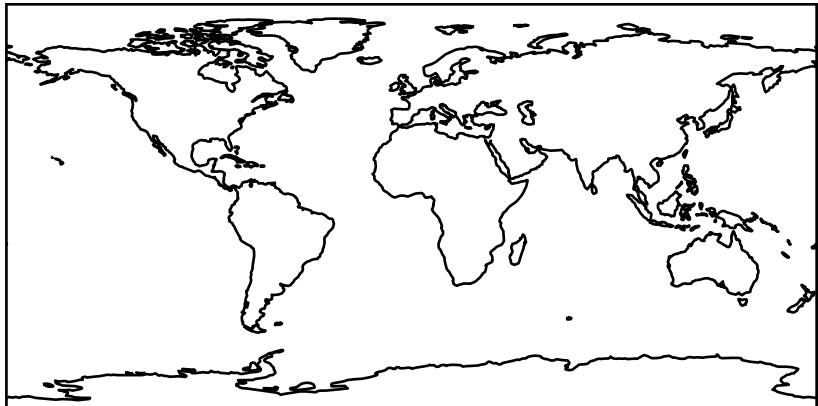
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Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



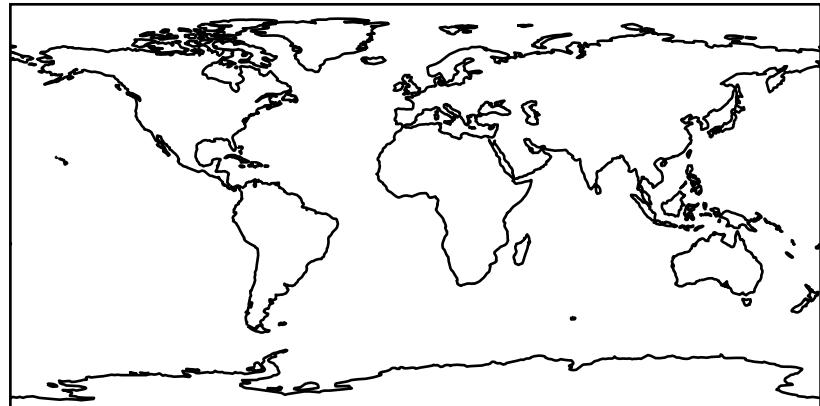
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Fractional Difference (1x1.25)
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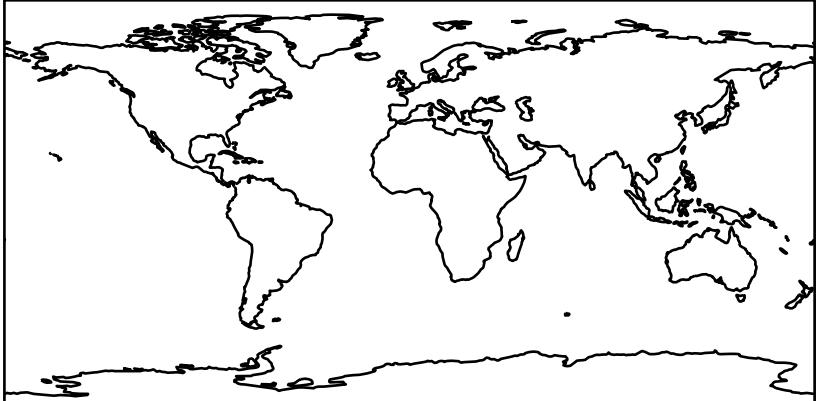
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Jval_IHN4

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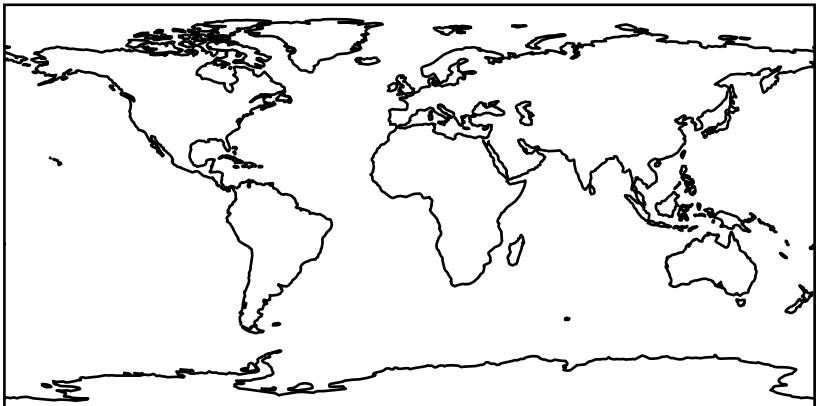
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GCHP_12.8.0 (Dev)
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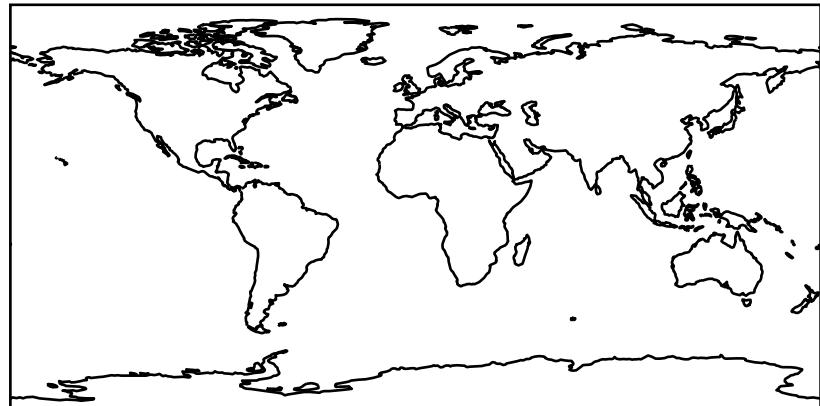
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Difference (1x1.25)
Dev - Ref, Dynamic Range



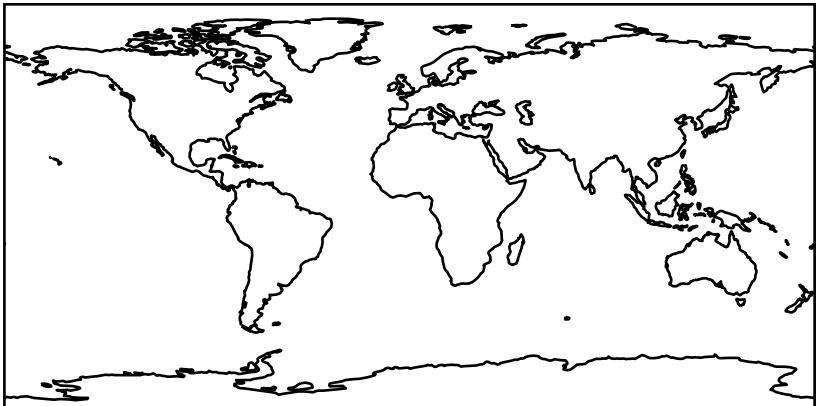
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Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



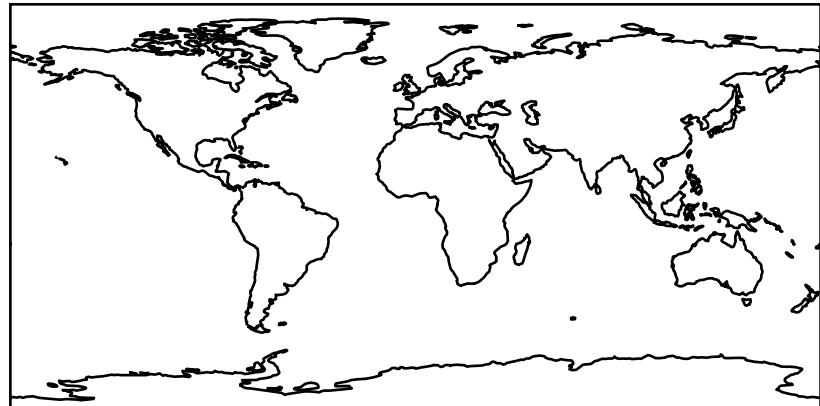
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Fractional Difference (1x1.25)
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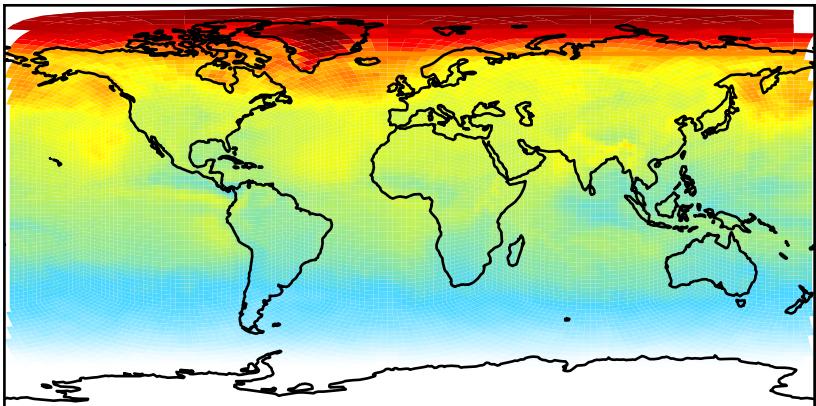
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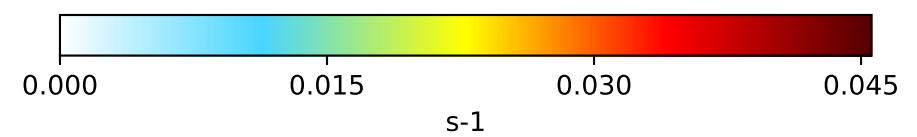
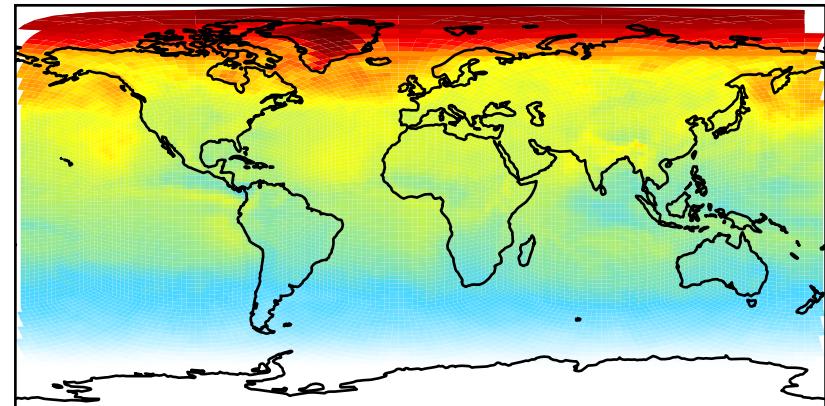
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Jval_INO

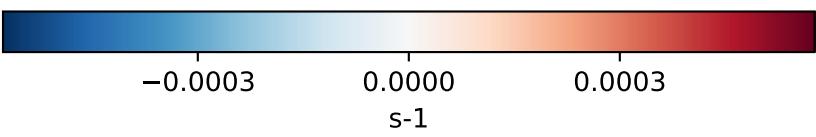
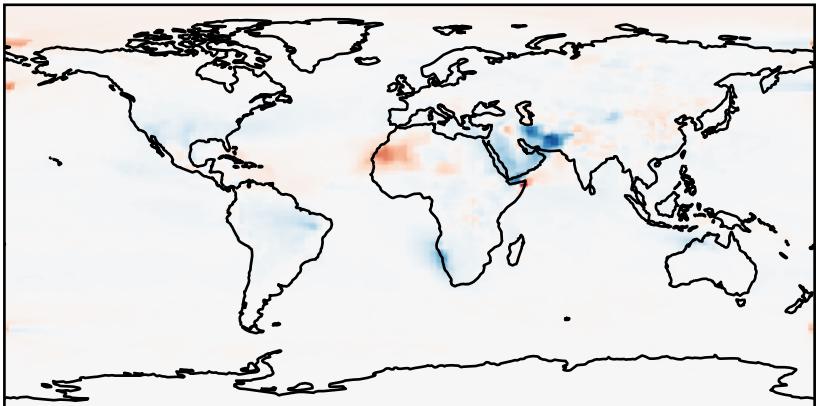
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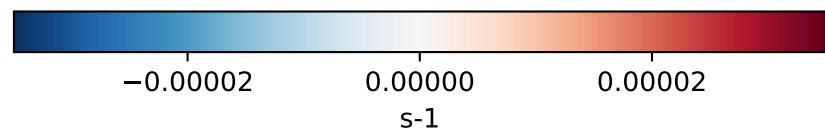
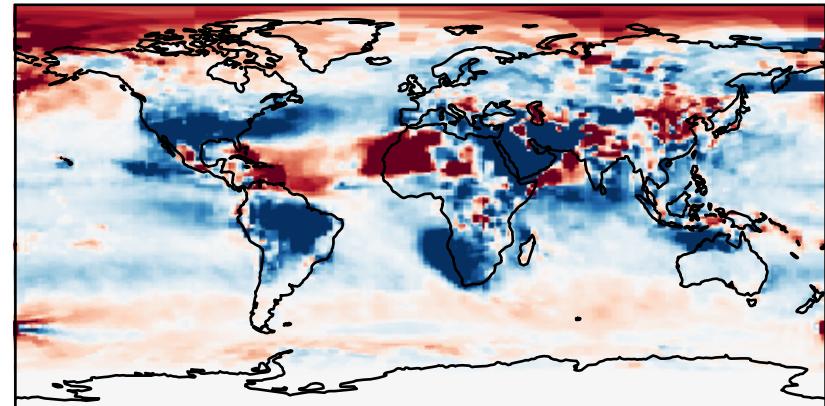
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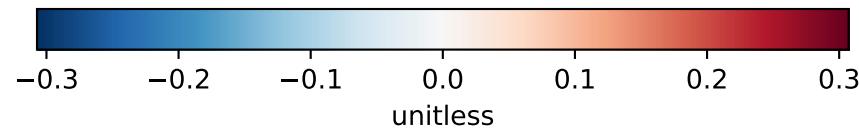
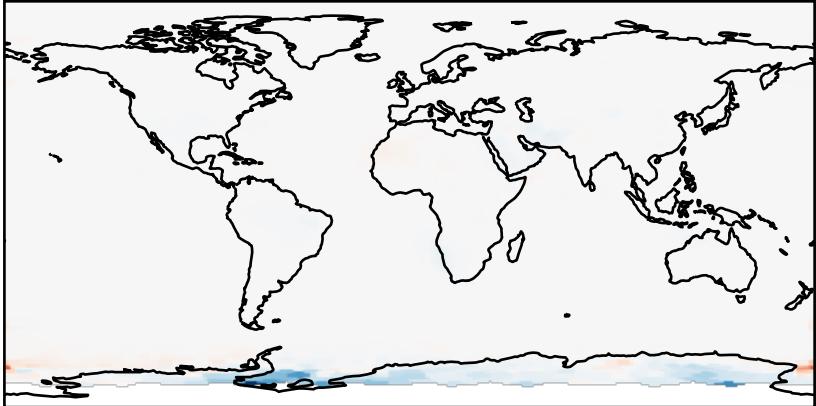
Difference (1x1.25)
Dev - Ref, Dynamic Range



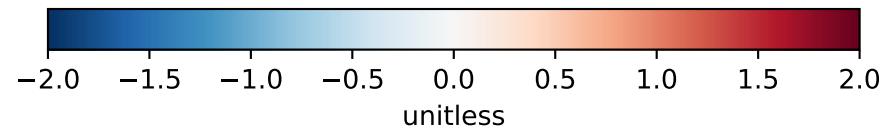
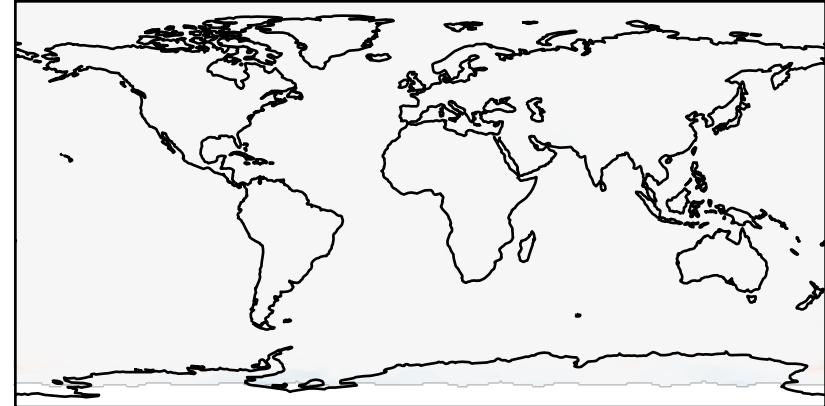
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

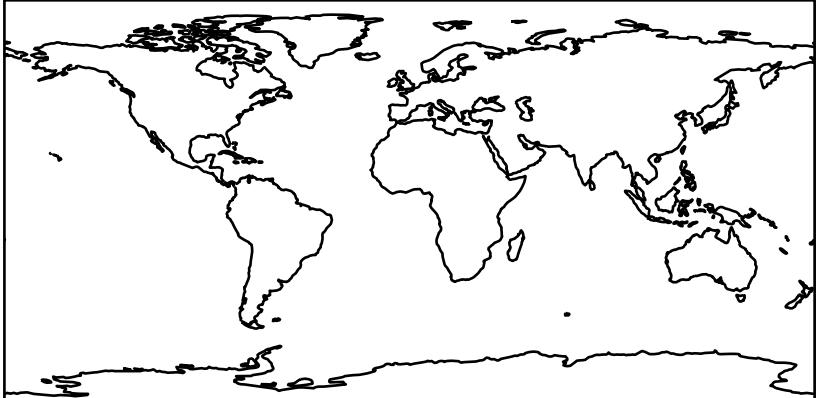


Fractional Difference (1x1.25)
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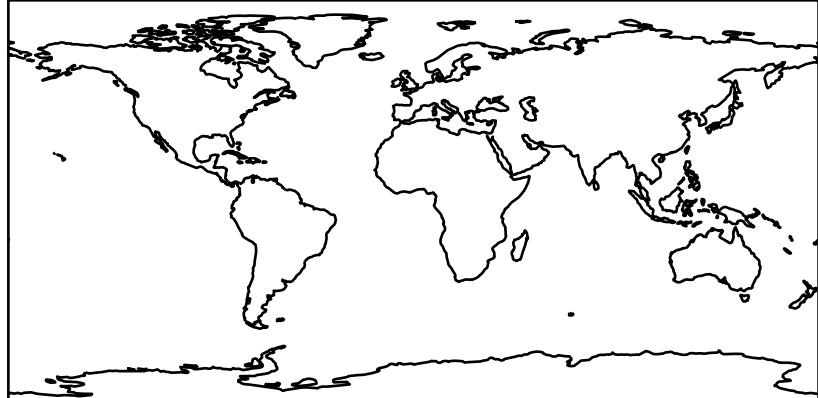
Jval_INPB

GCHP_12.7.0 (Ref)
c48



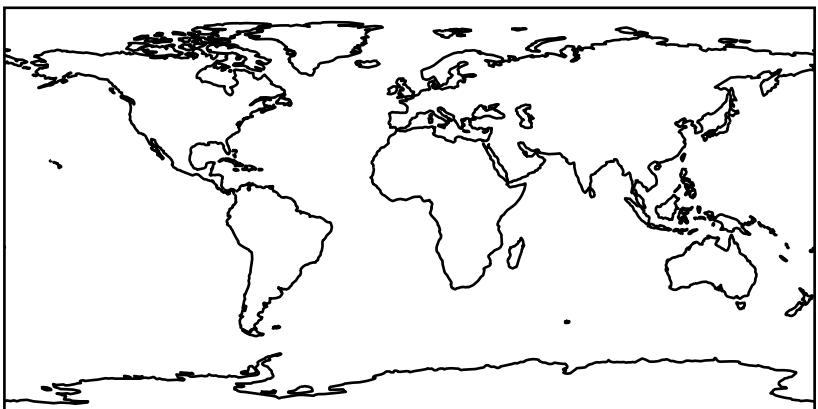
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GCHP_12.8.0 (Dev)
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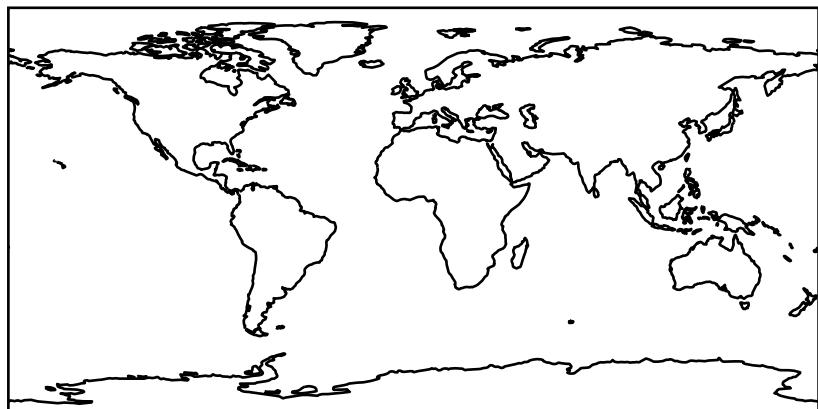
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Difference (1x1.25)
Dev - Ref, Dynamic Range



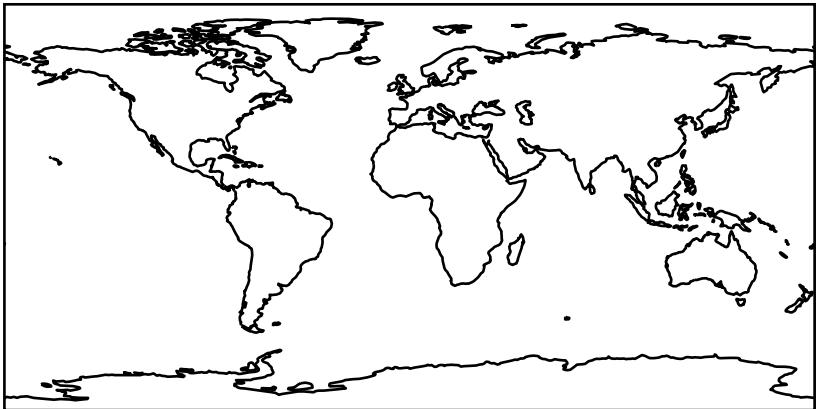
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Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



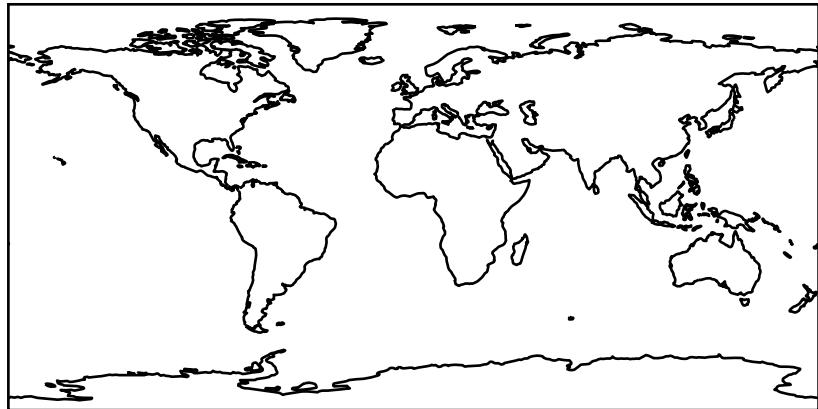
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



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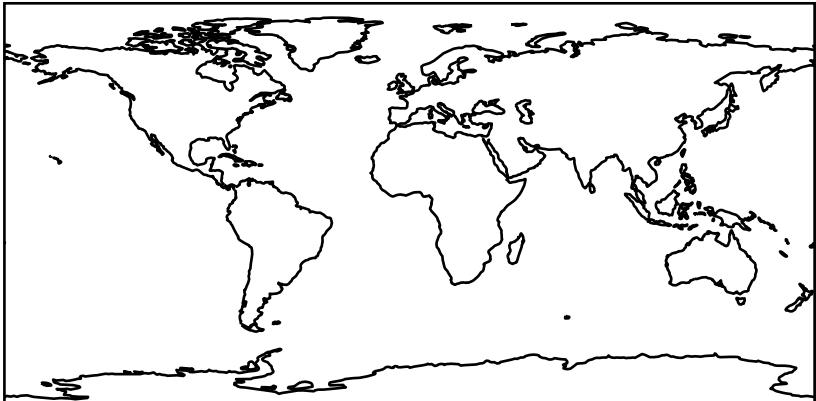
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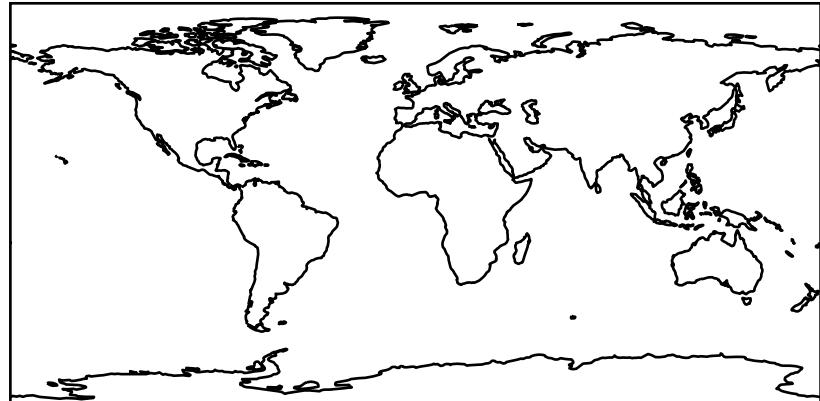
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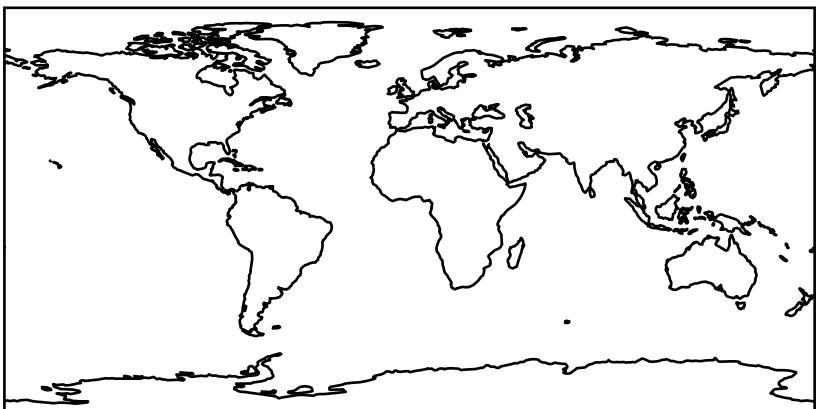
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GCHP_12.8.0 (Dev)
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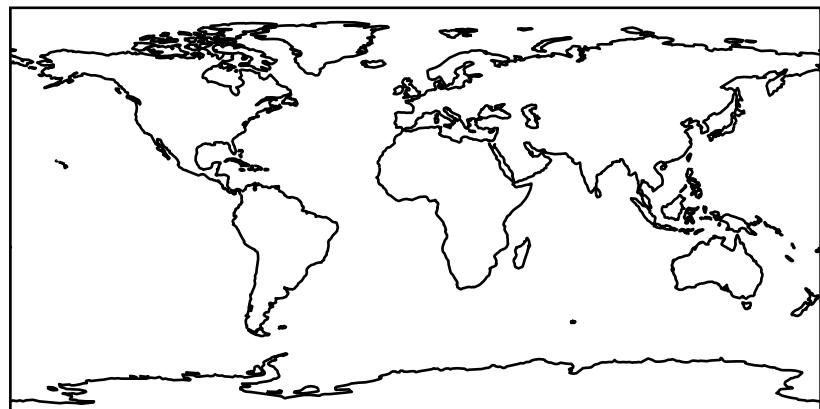
Zero throughout domain
s-1

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



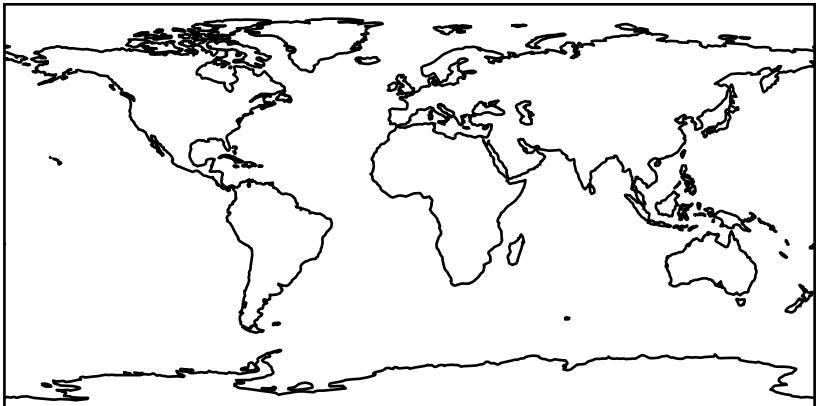
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Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



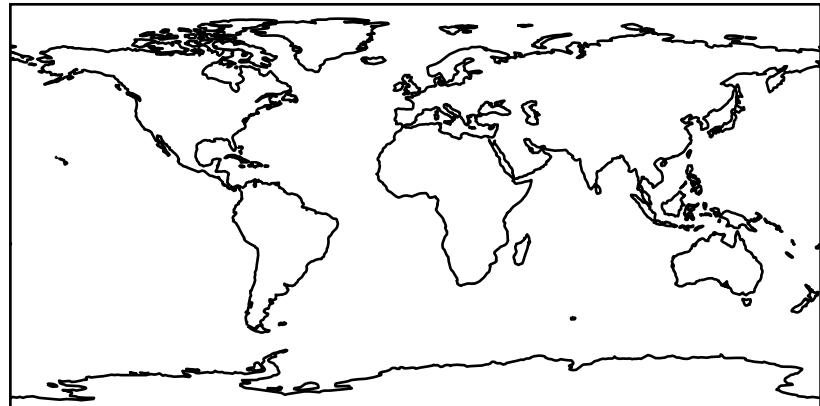
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



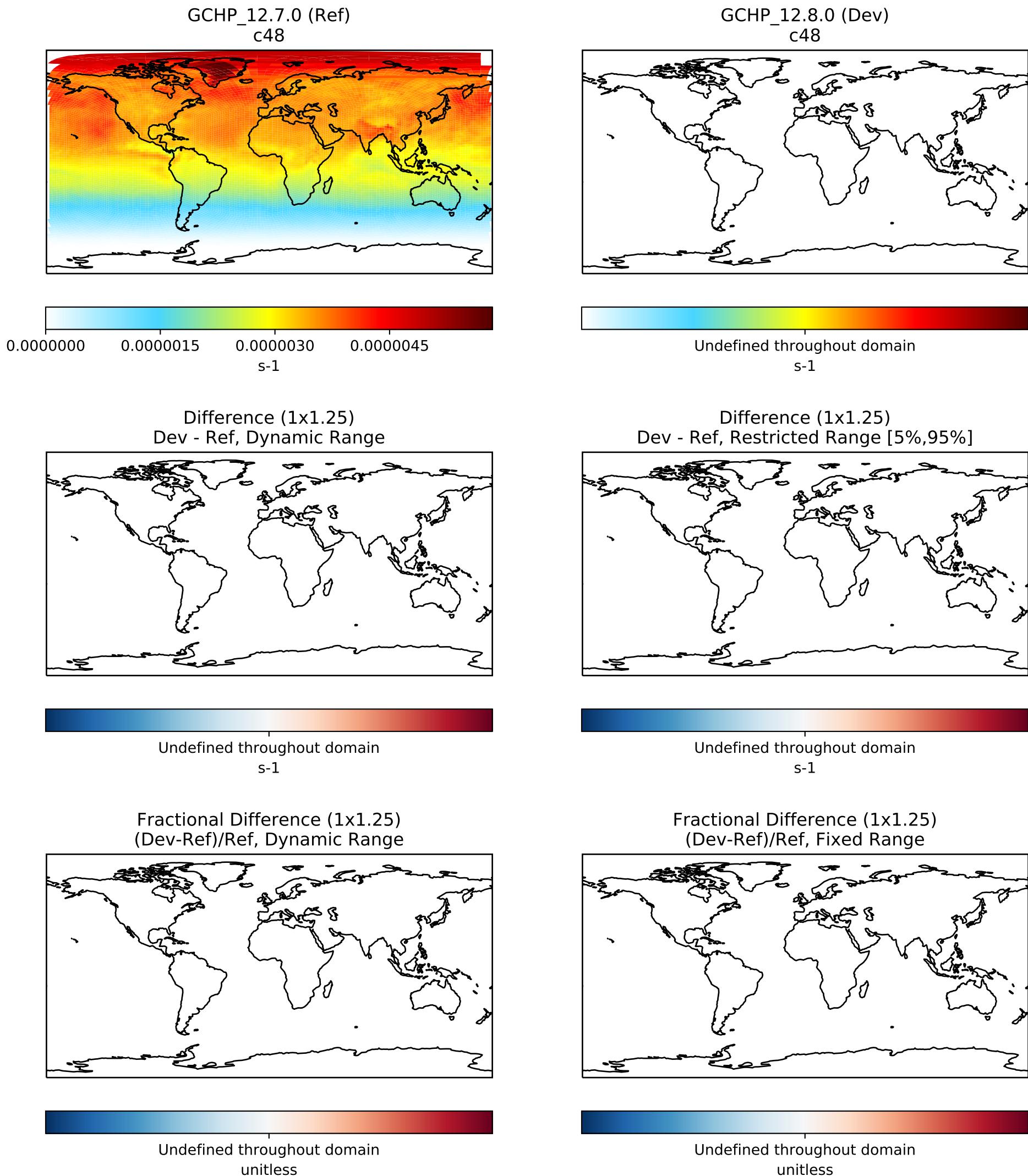
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Fractional Difference (1x1.25)
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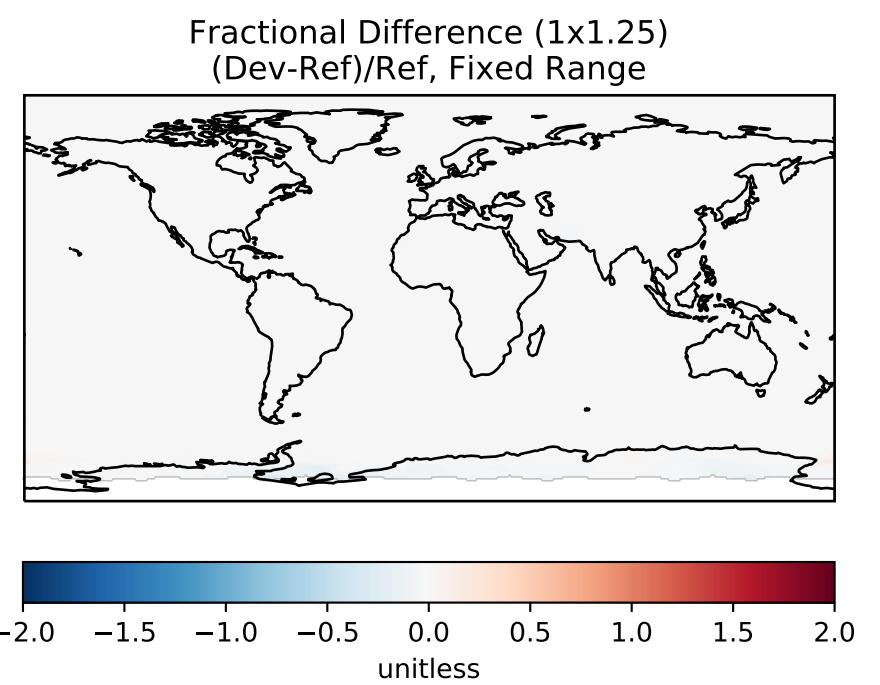
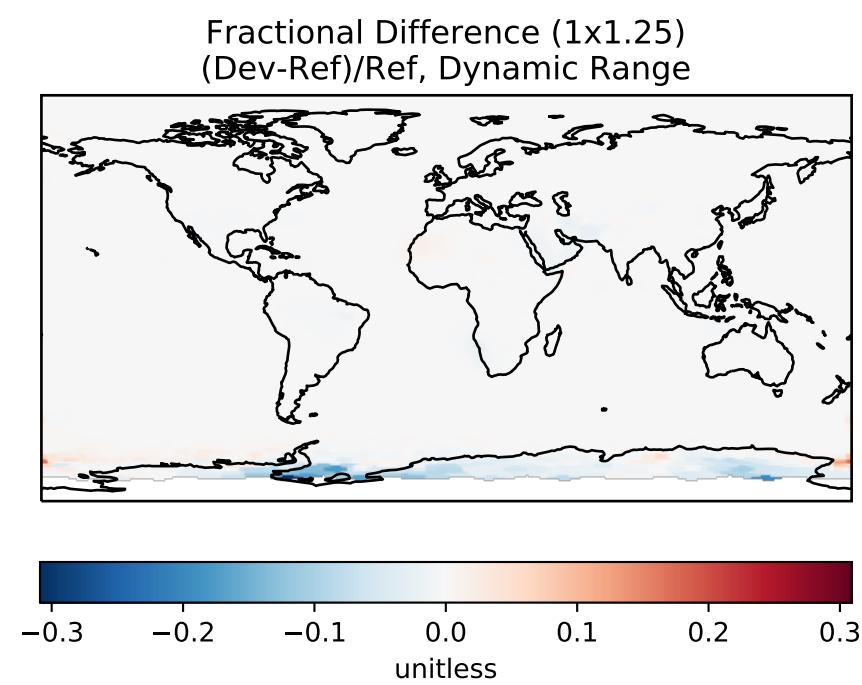
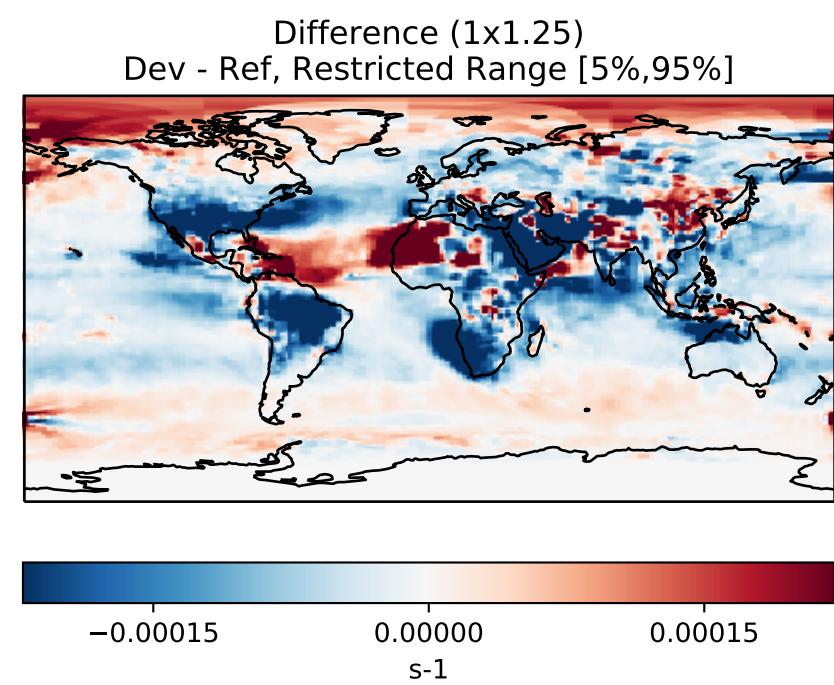
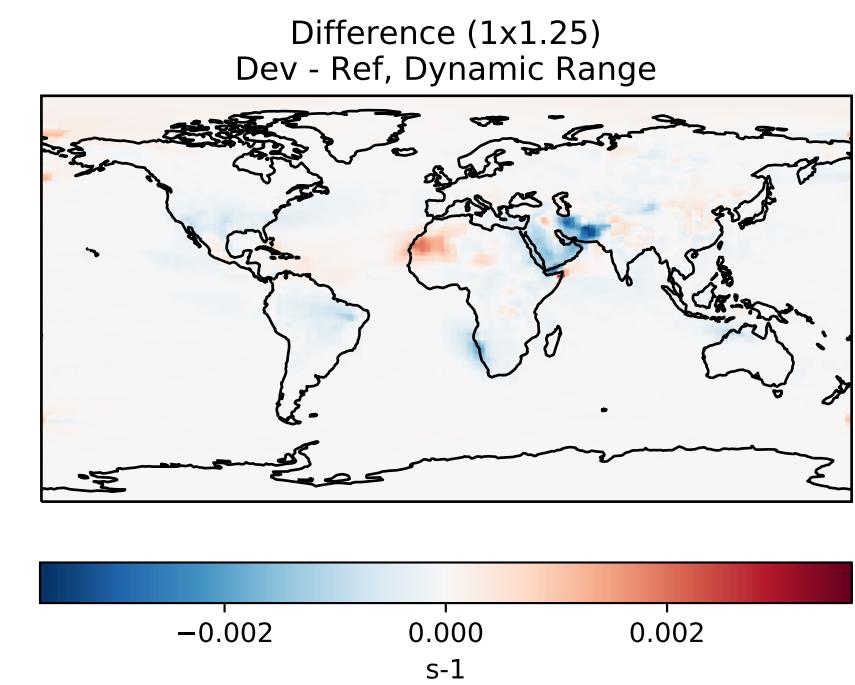
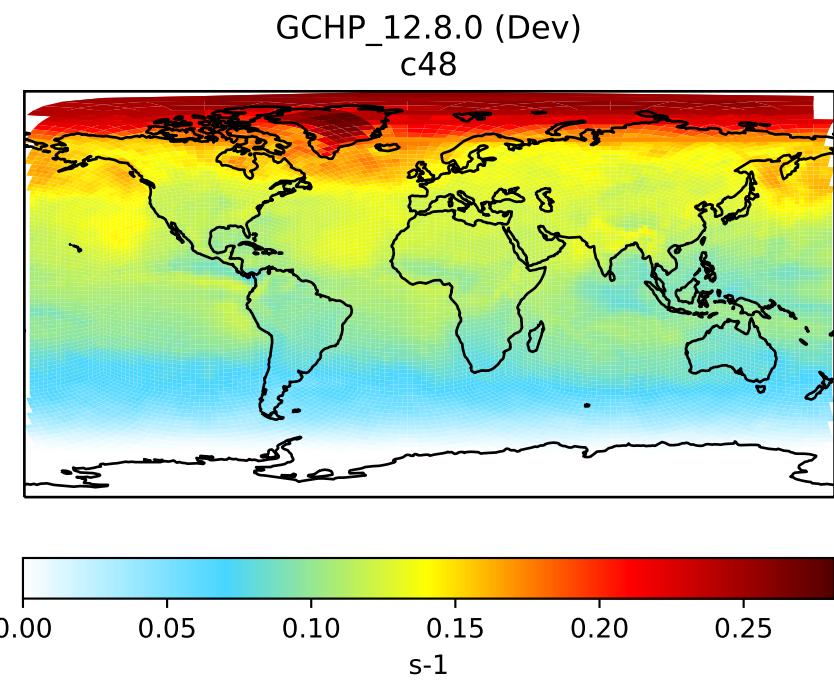
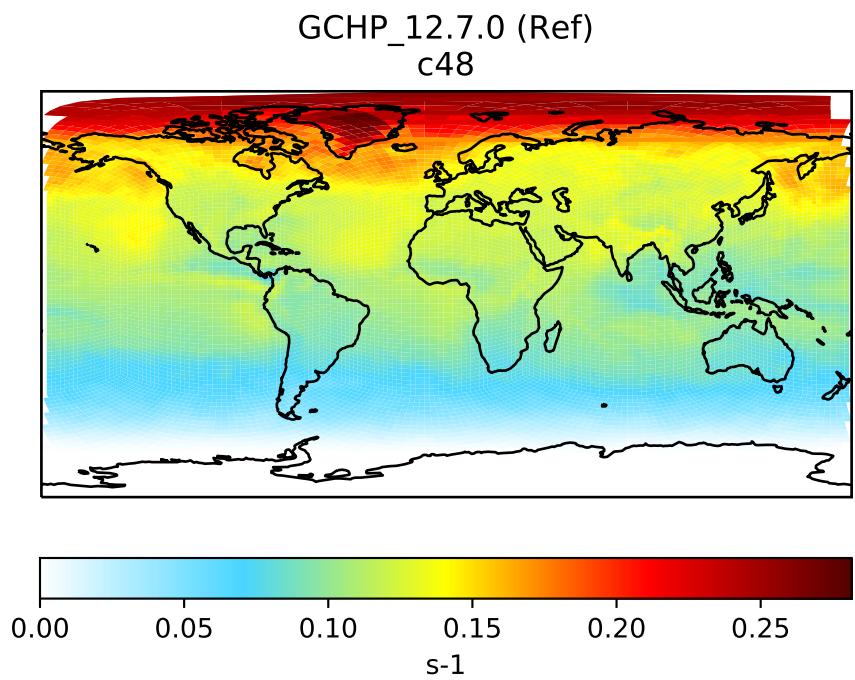


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Jval_INPN

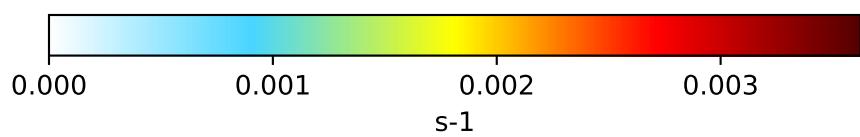
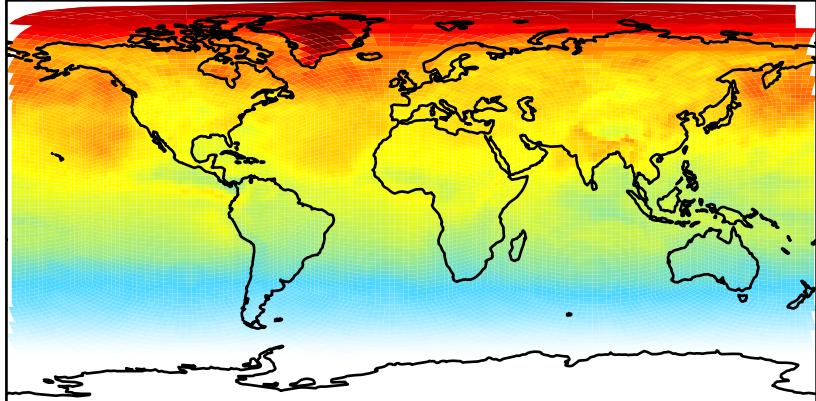


Jval_IO

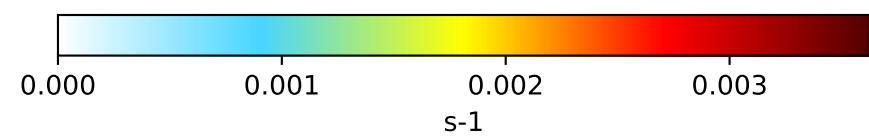
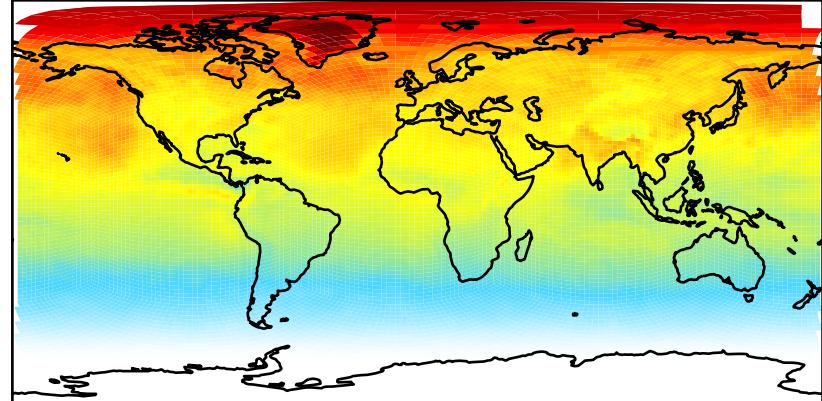


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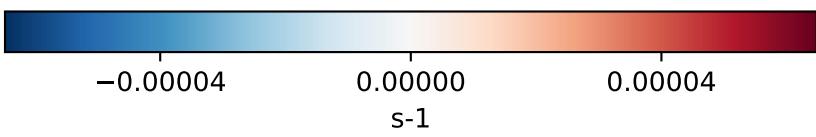
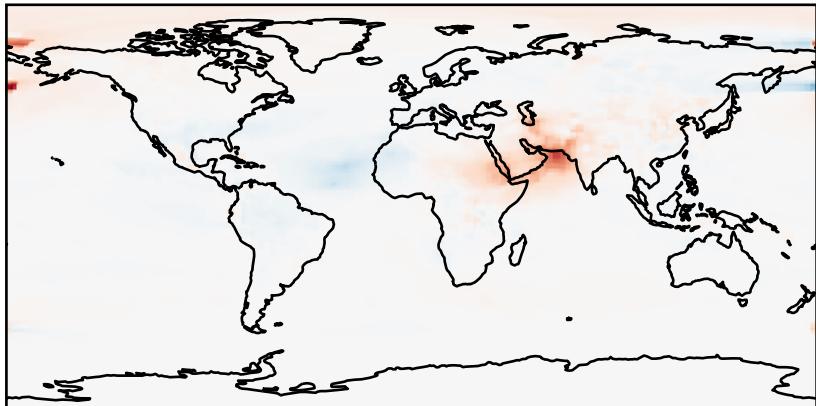
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c48



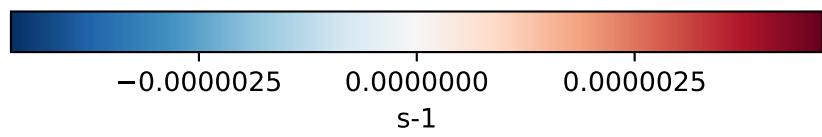
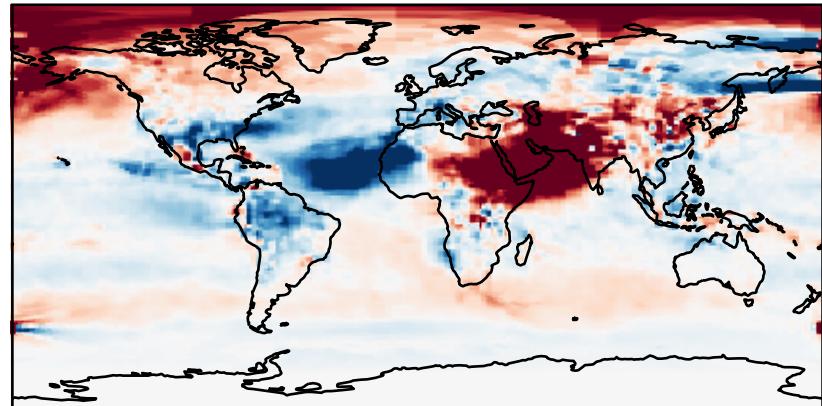
GCHP_12.8.0 (Dev)
c48



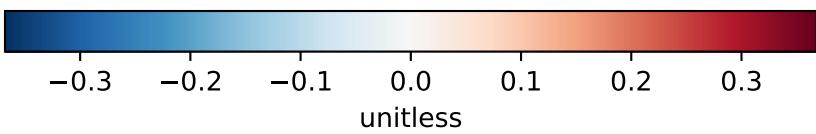
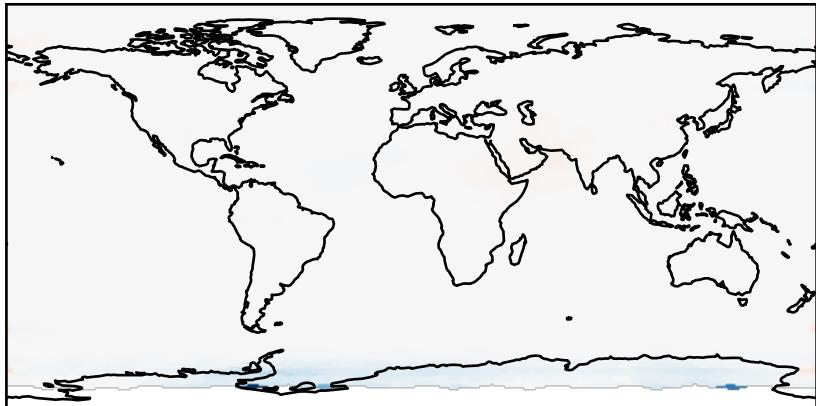
Difference (1x1.25)
Dev - Ref, Dynamic Range



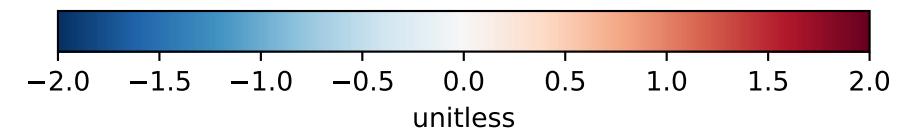
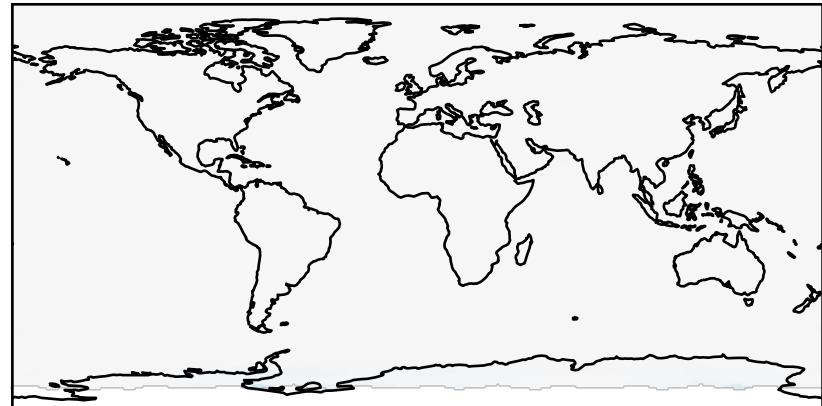
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

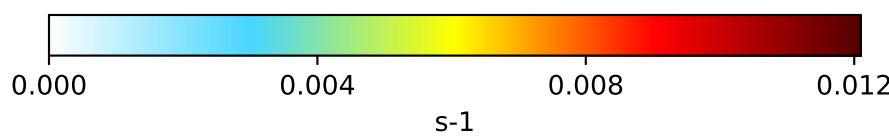
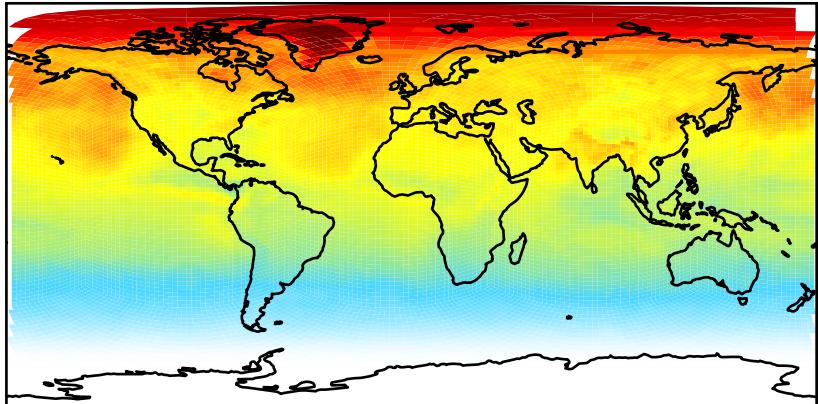


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

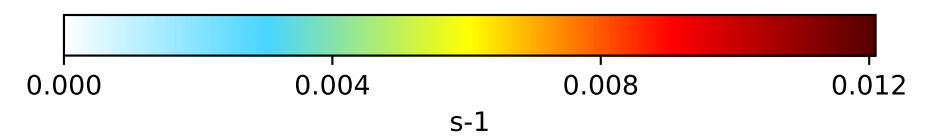
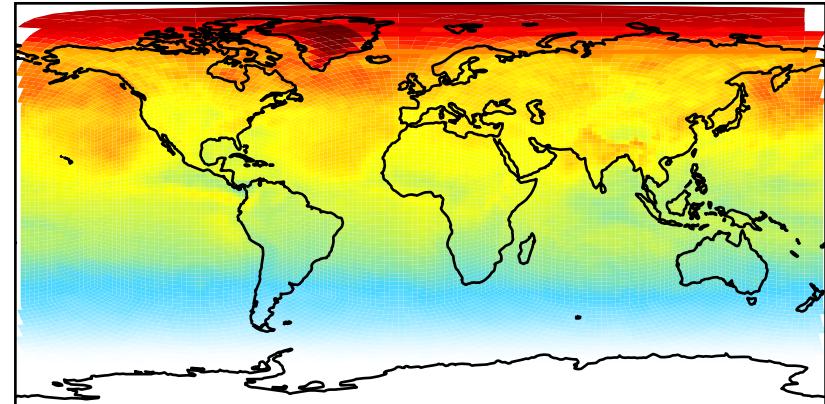


Jval_IONO2

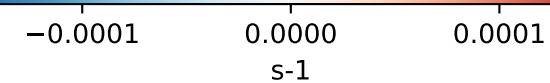
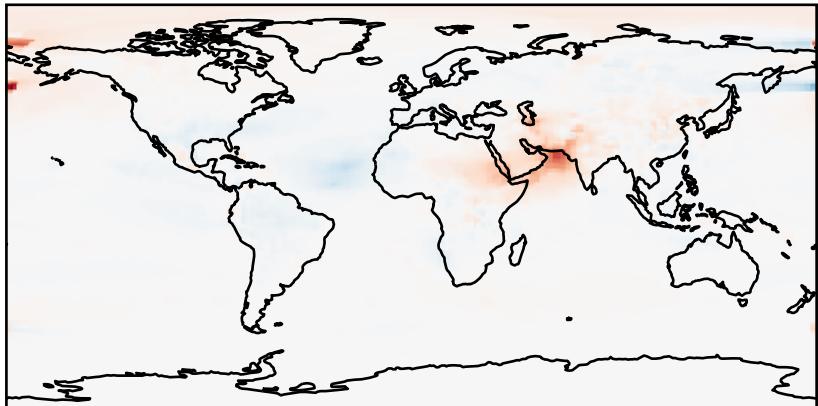
GCHP_12.7.0 (Ref)
c48



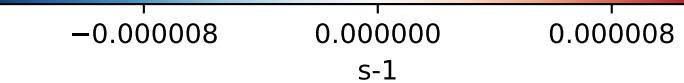
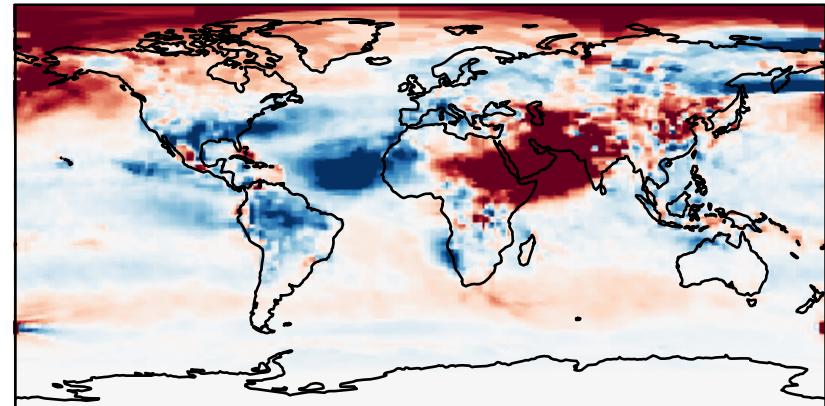
GCHP_12.8.0 (Dev)
c48



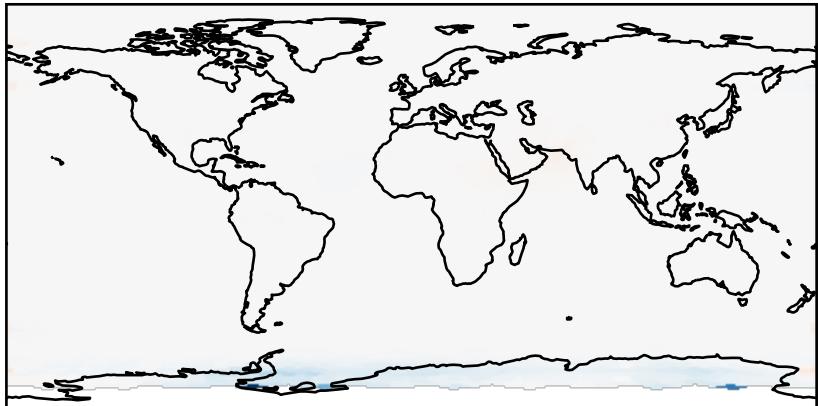
Difference (1x1.25)
Dev - Ref, Dynamic Range



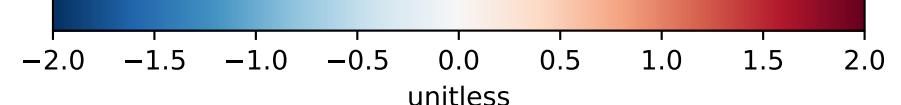
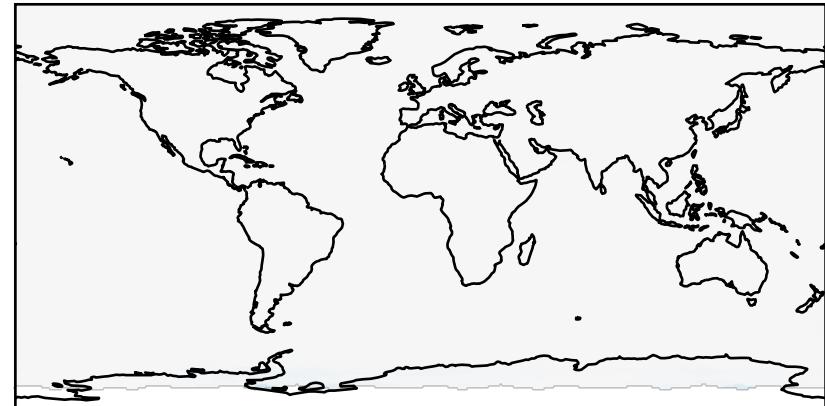
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

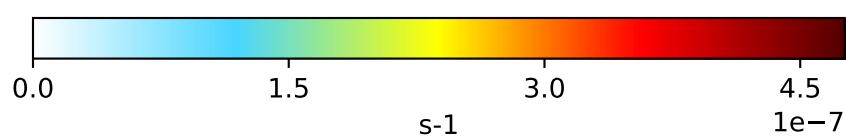
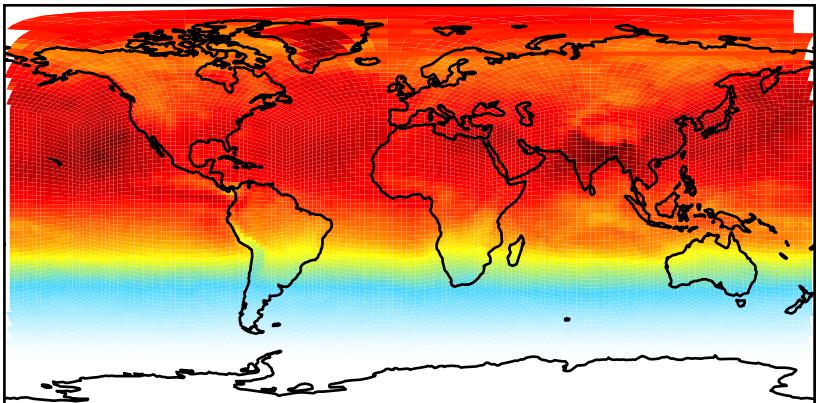


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

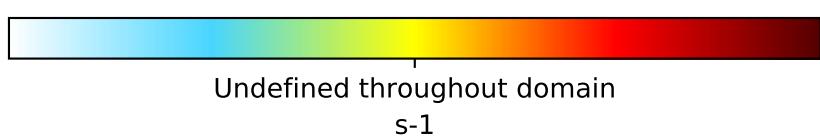
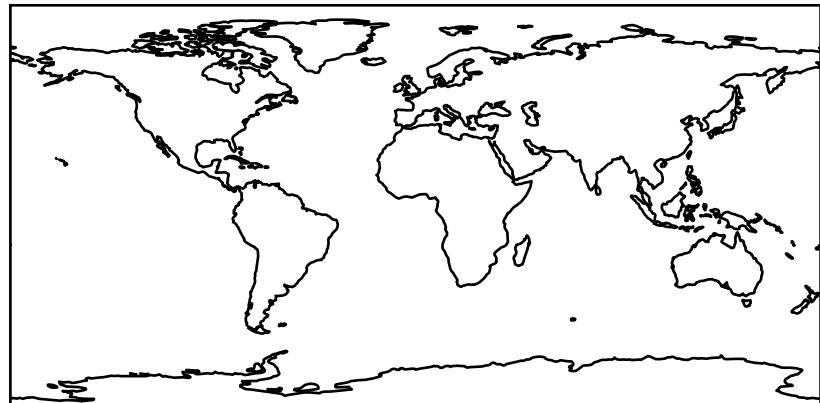


Jval_IPMN

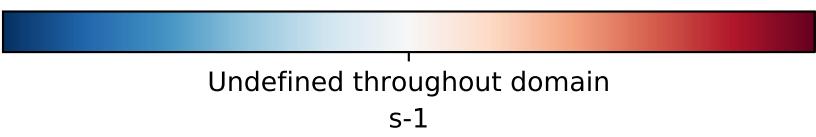
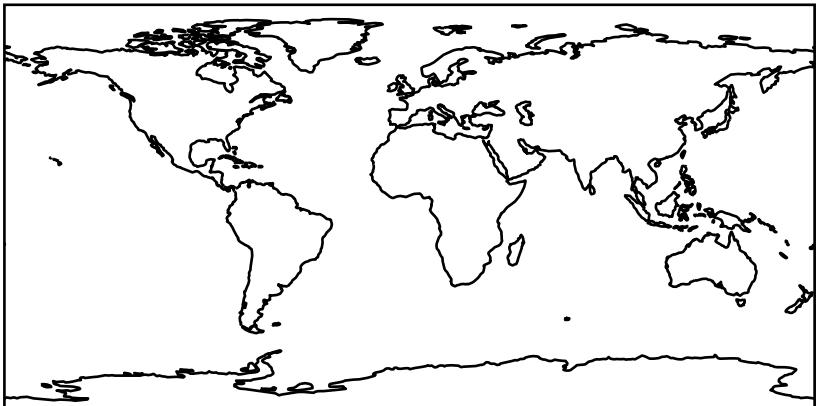
GCHP_12.7.0 (Ref)
c48



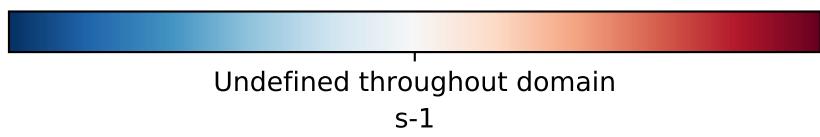
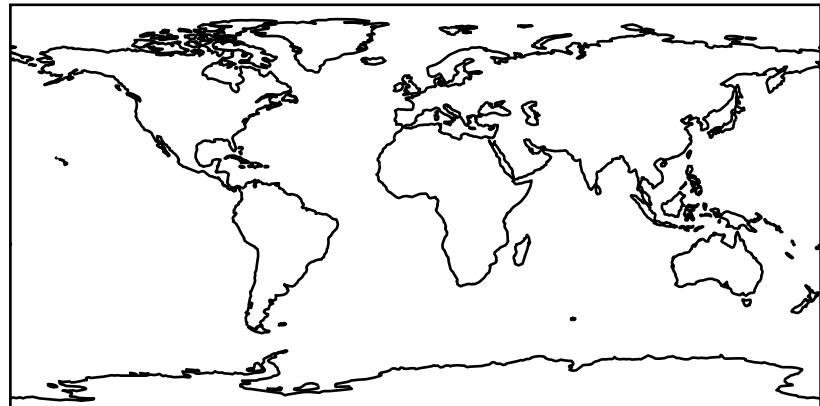
GCHP_12.8.0 (Dev)
c48



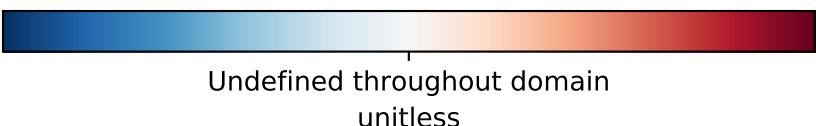
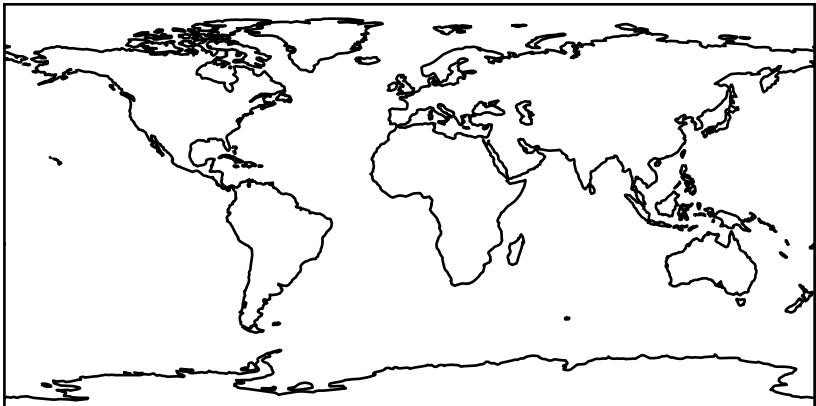
Difference (1x1.25)
Dev - Ref, Dynamic Range



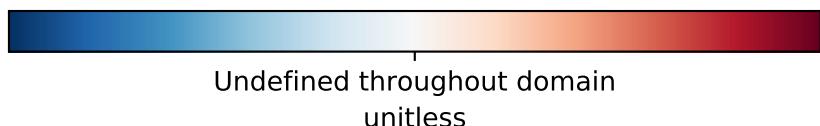
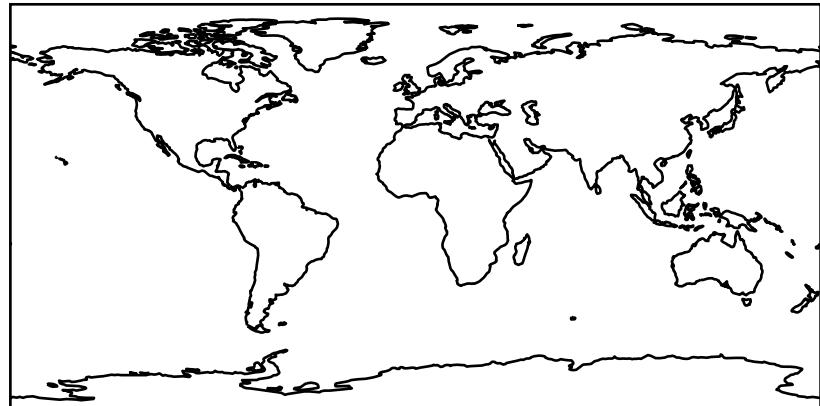
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

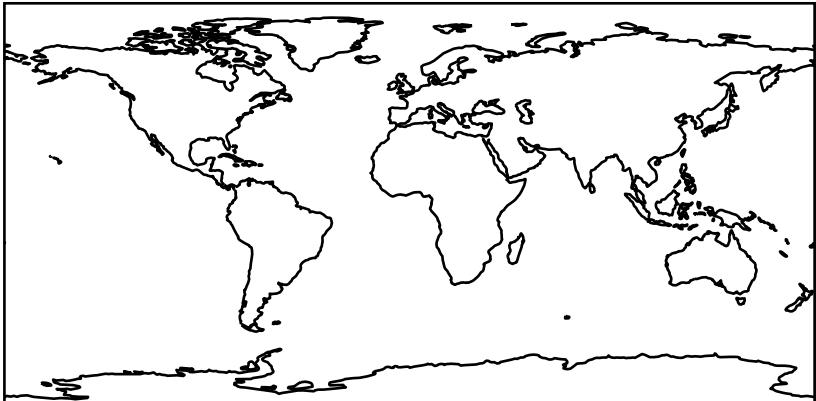


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

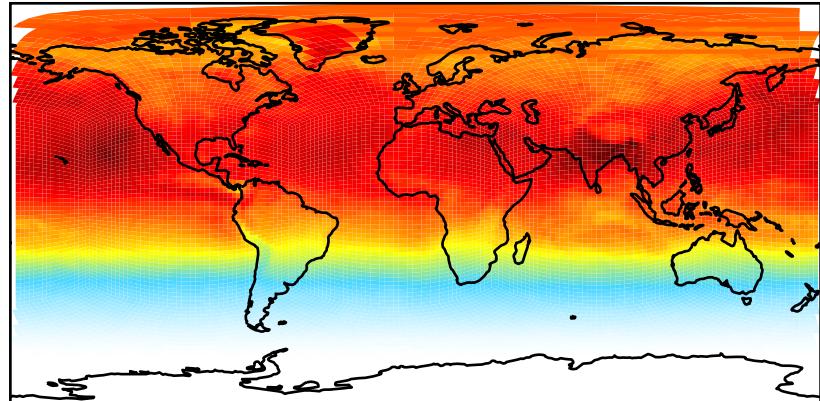


Jval_IPRNO3

GCHP_12.7.0 (Ref)
c48



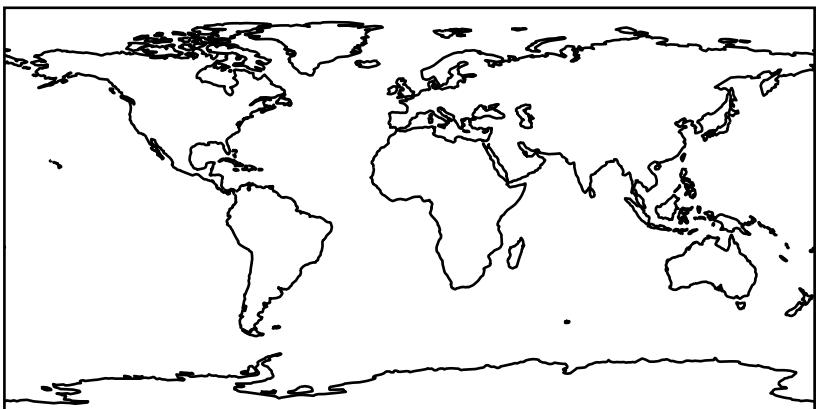
GCHP_12.8.0 (Dev)
c48



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s-1

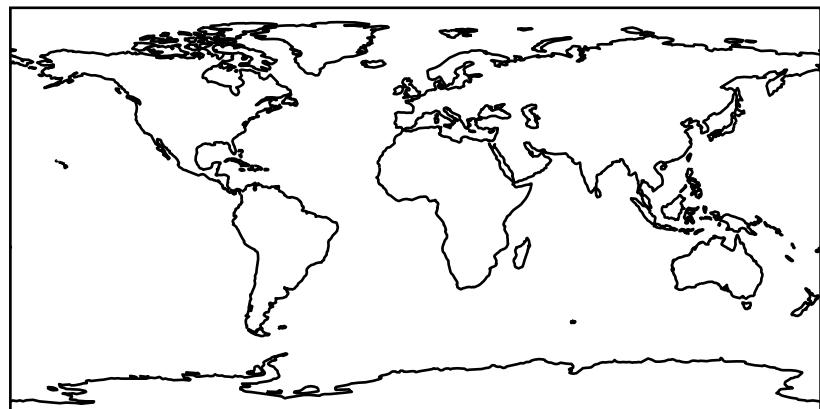
0.0000000 0.0000005 0.0000010 0.0000015
s-1

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



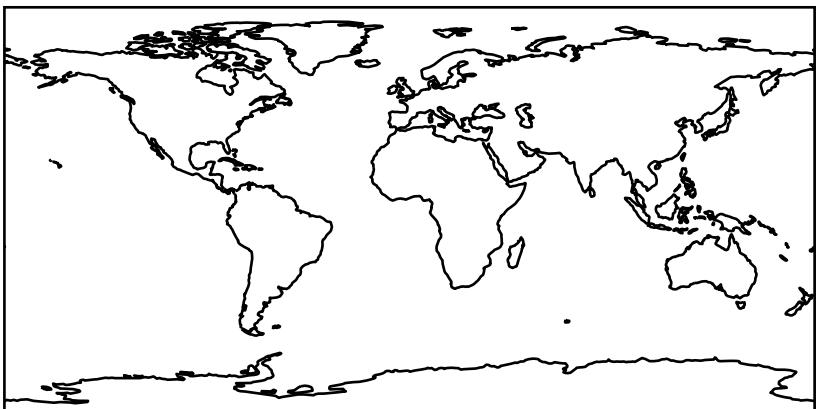
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Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



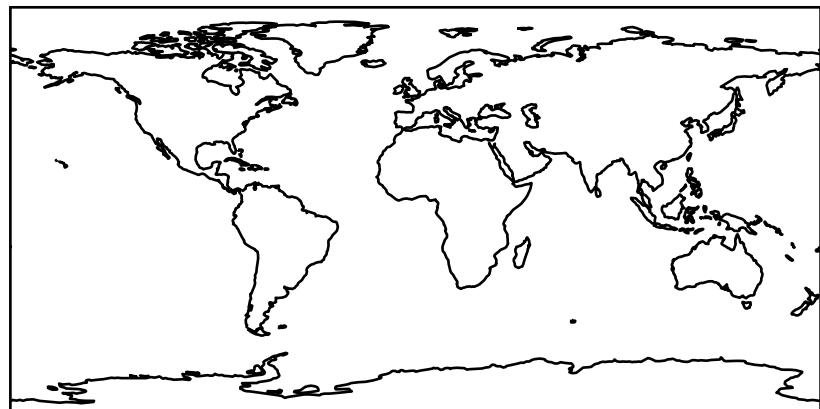
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Fractional Difference (1x1.25)
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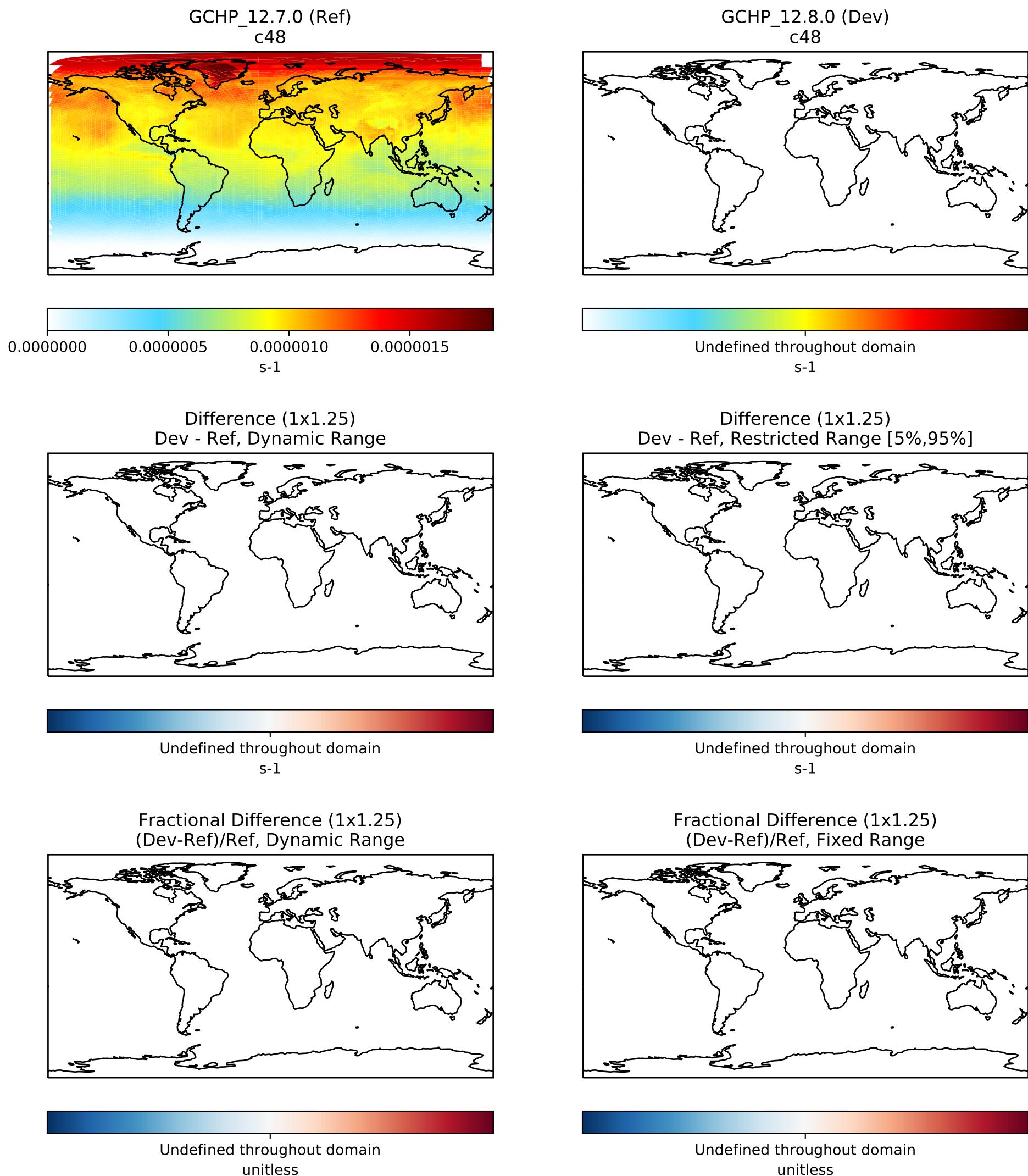
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

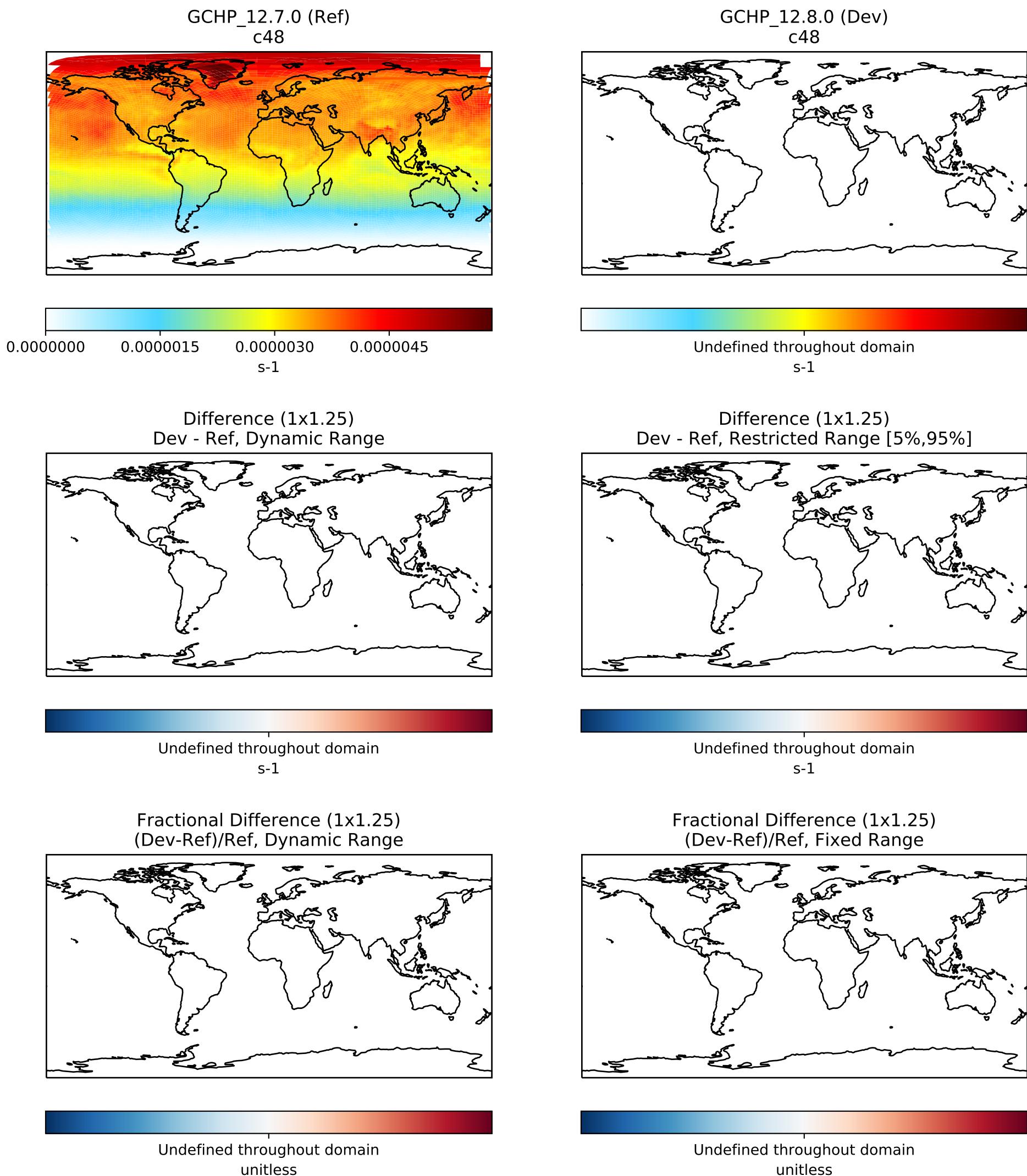


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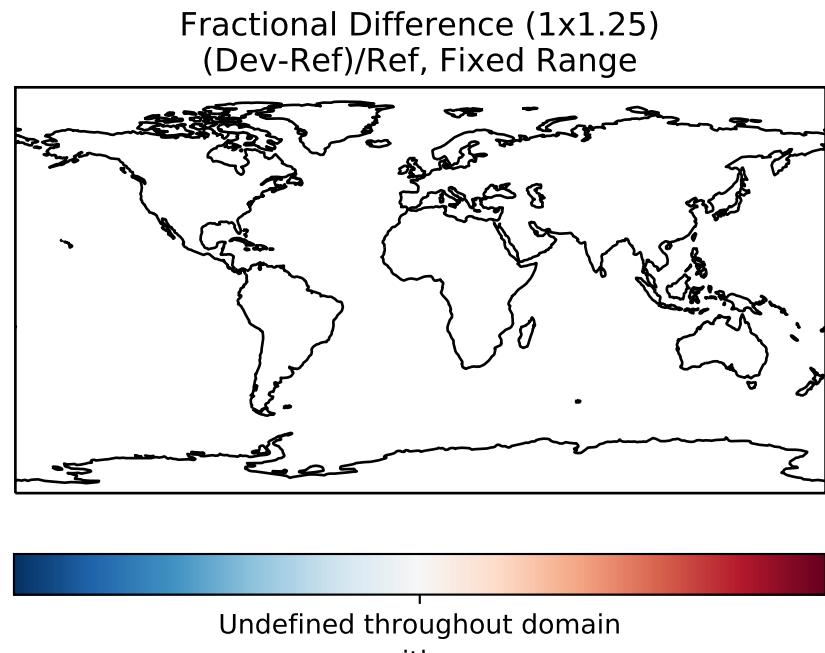
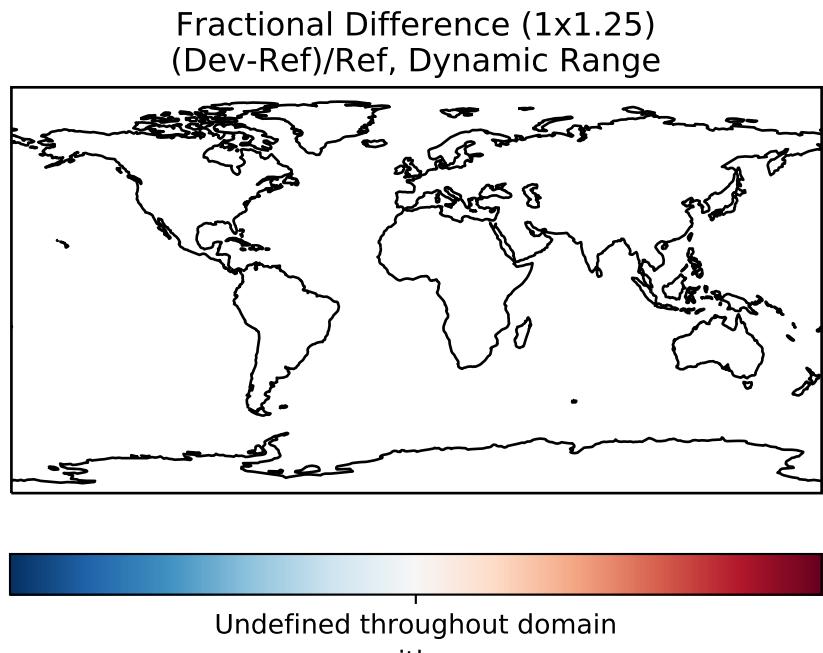
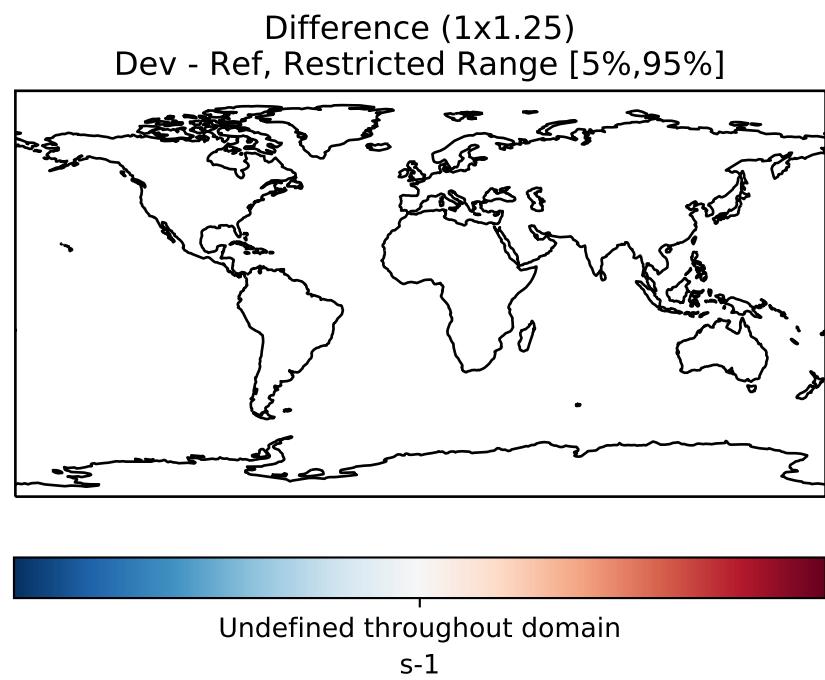
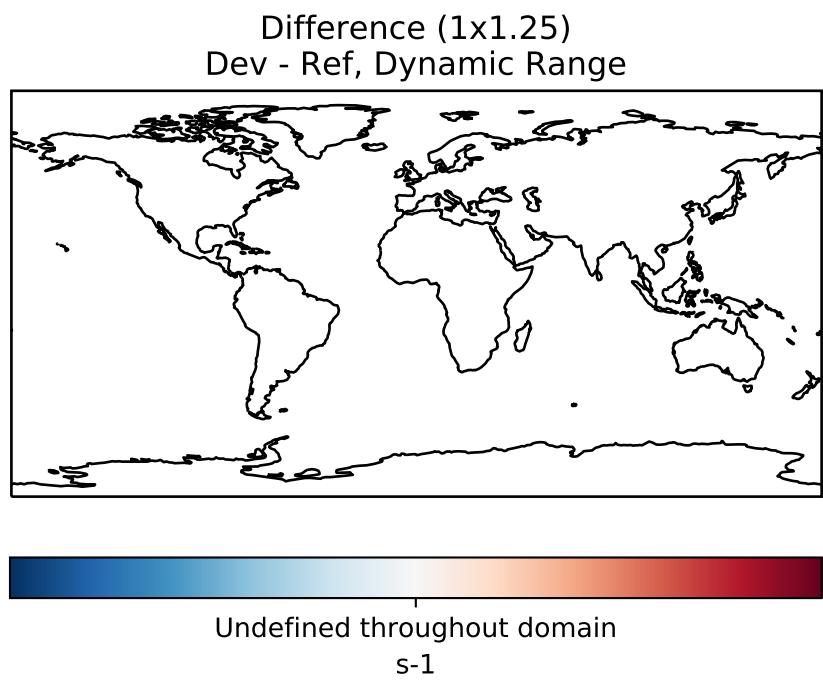
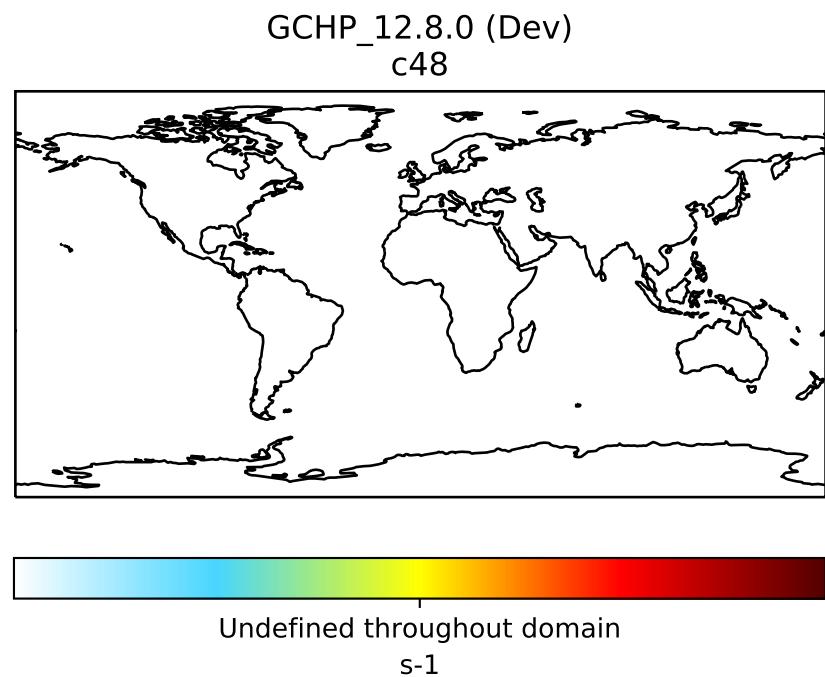
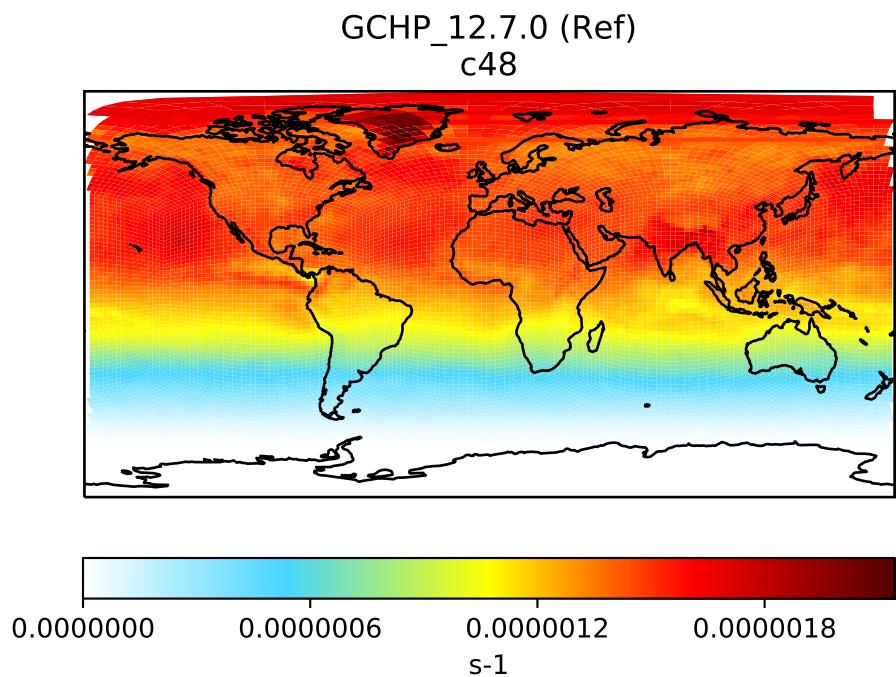
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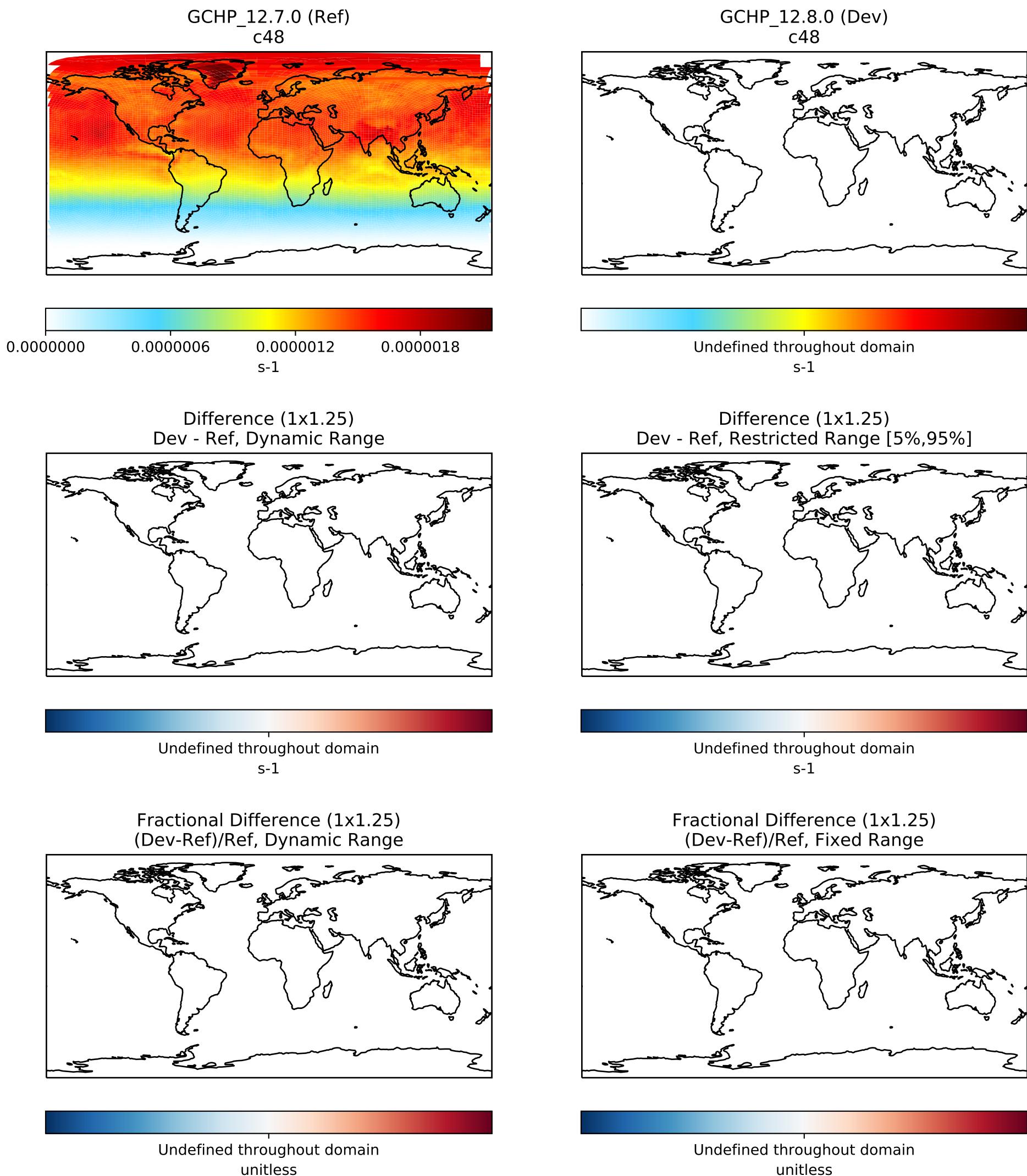
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Jval_ISOPNB



Jval_ISOPND



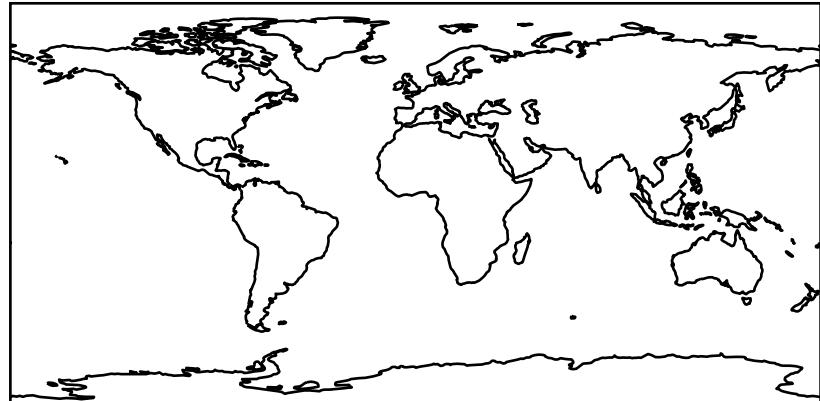
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GCHP_12.7.0 (Ref)
c48



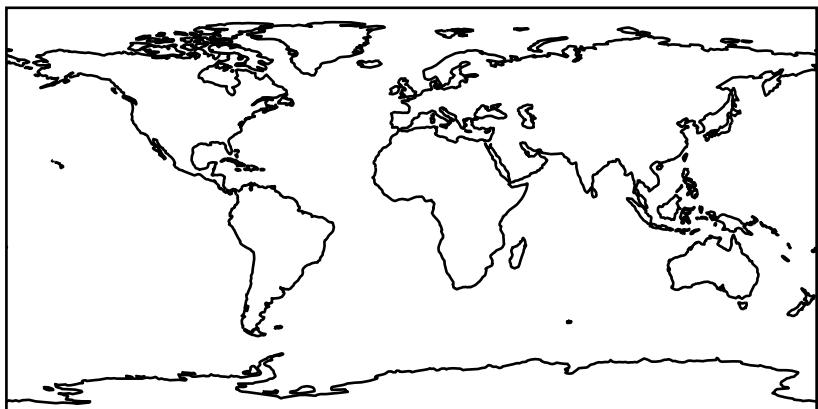
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GCHP_12.8.0 (Dev)
c48



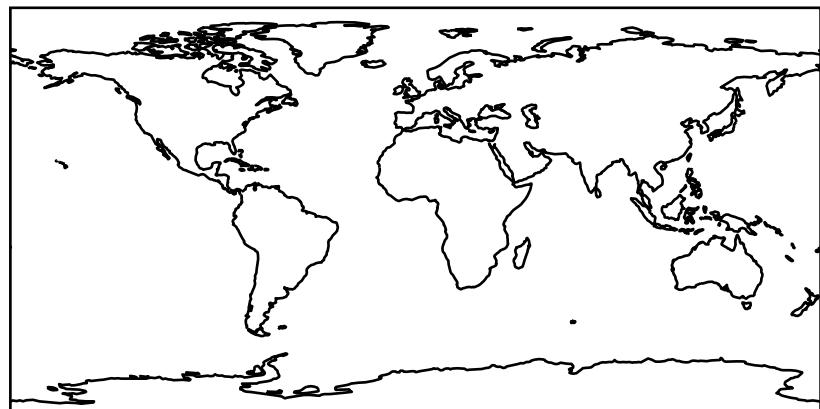
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Difference (1x1.25)
Dev - Ref, Dynamic Range



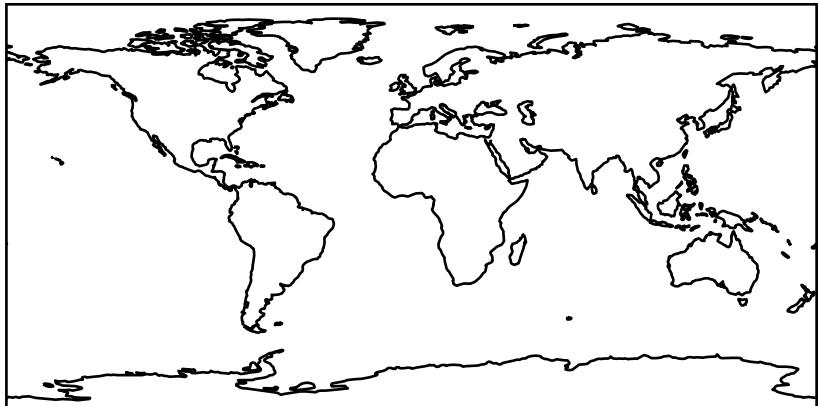
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Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



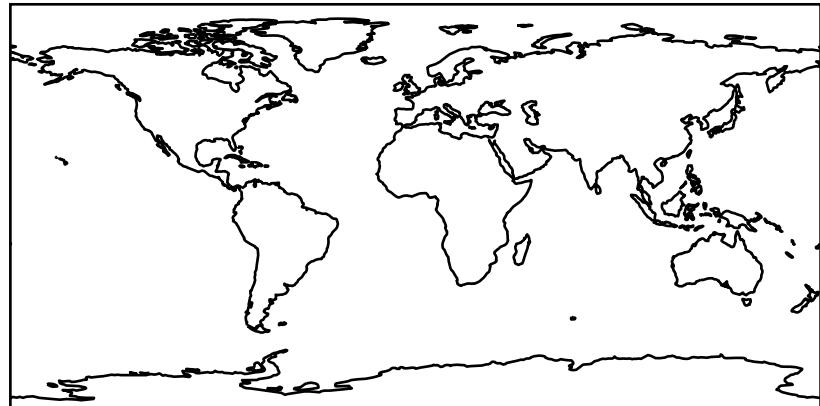
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



Undefined throughout domain
unitless

Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



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unitless

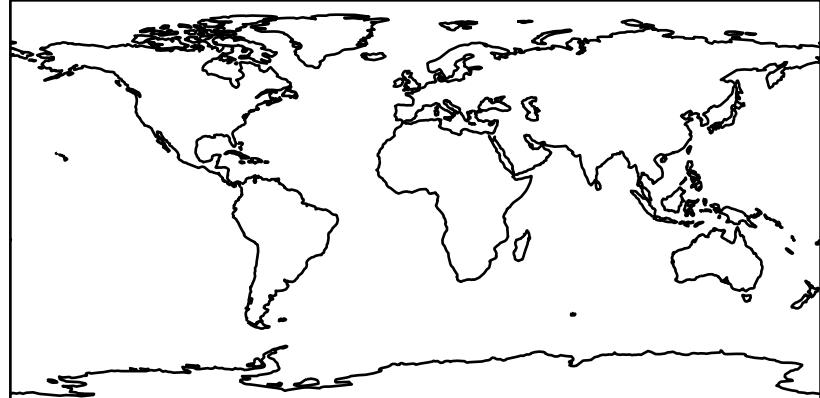
Jval_ITHN

GCHP_12.7.0 (Ref)
c48



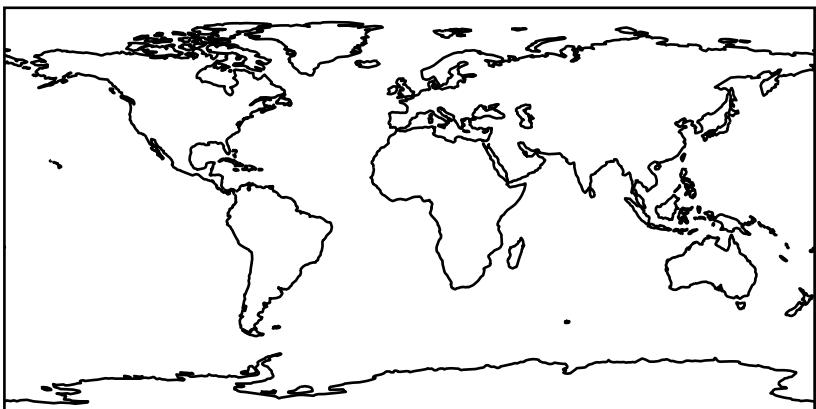
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GCHP_12.8.0 (Dev)
c48



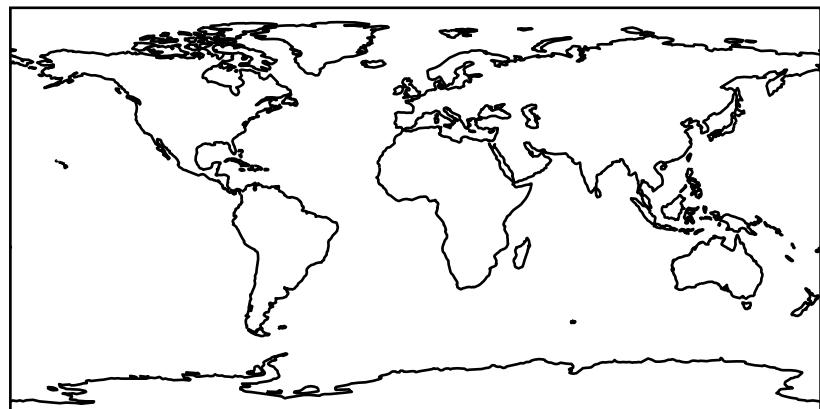
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Difference (1x1.25)
Dev - Ref, Dynamic Range



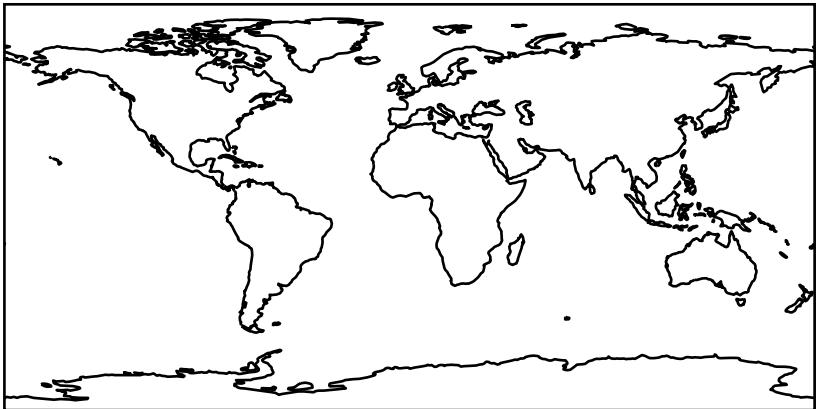
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Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



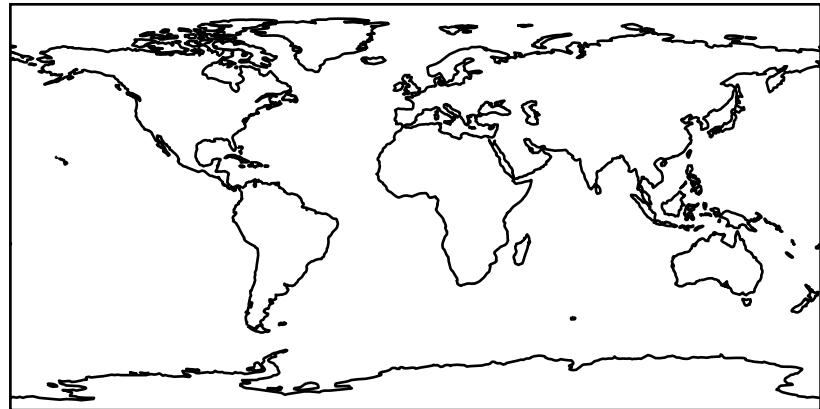
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s-1

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



Undefined throughout domain
unitless

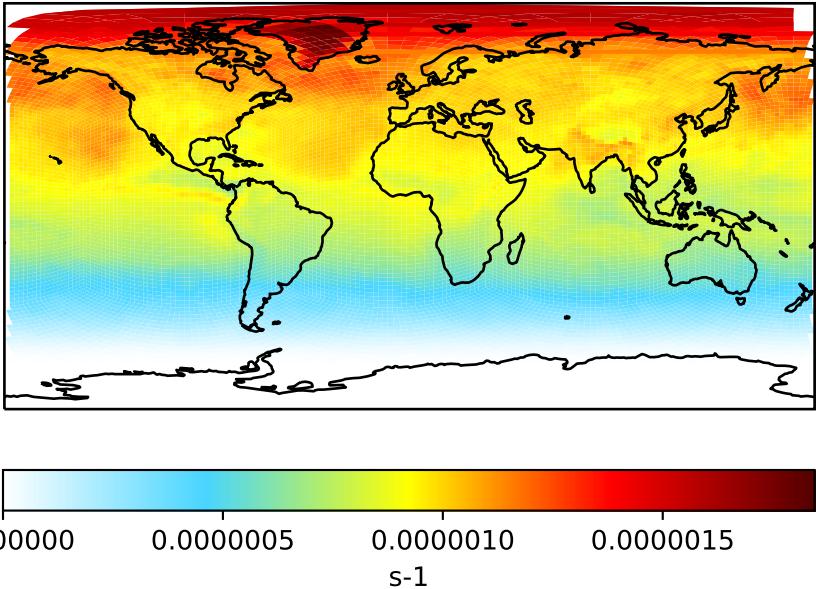
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



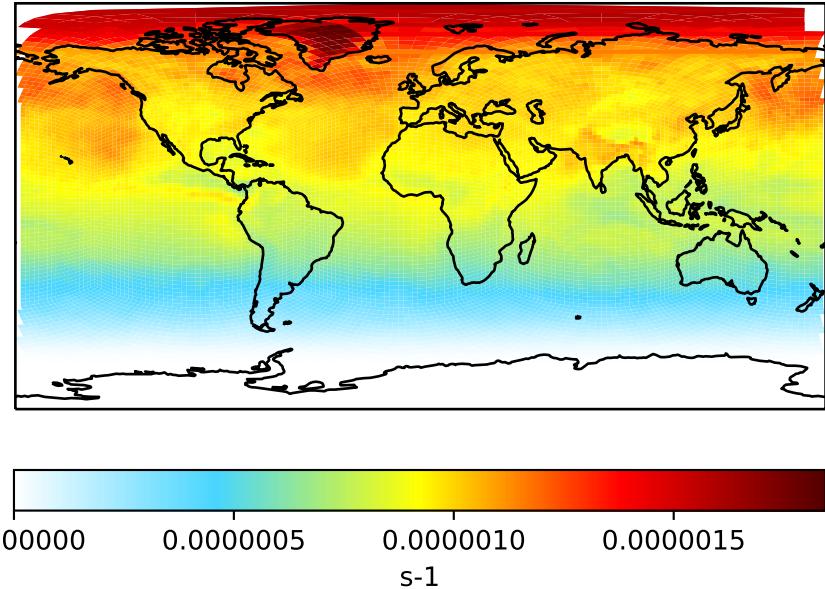
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Jval_MACR

GCHP_12.7.0 (Ref)
c48



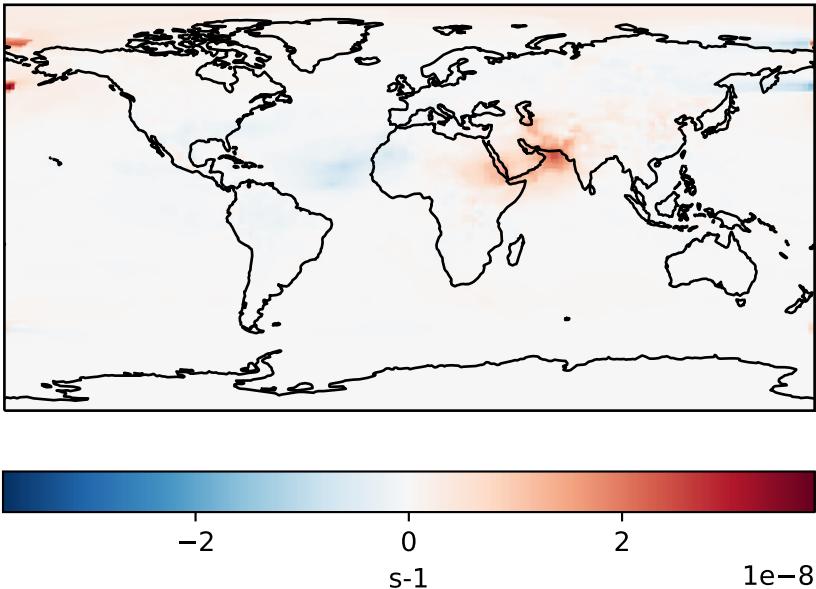
GCHP_12.8.0 (Dev)
c48



0.0000000 0.0000005 0.0000010 0.0000015
s⁻¹

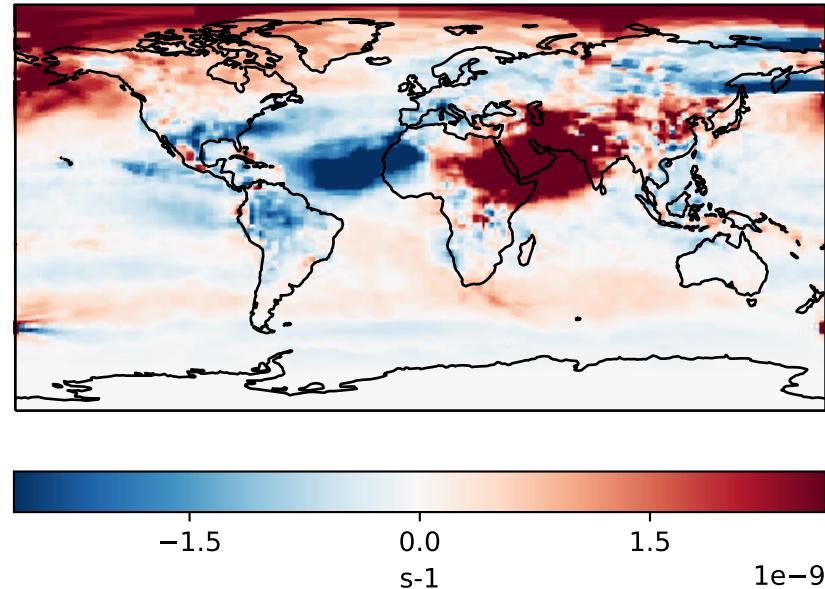
0.0000000 0.0000005 0.0000010 0.0000015
s⁻¹

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



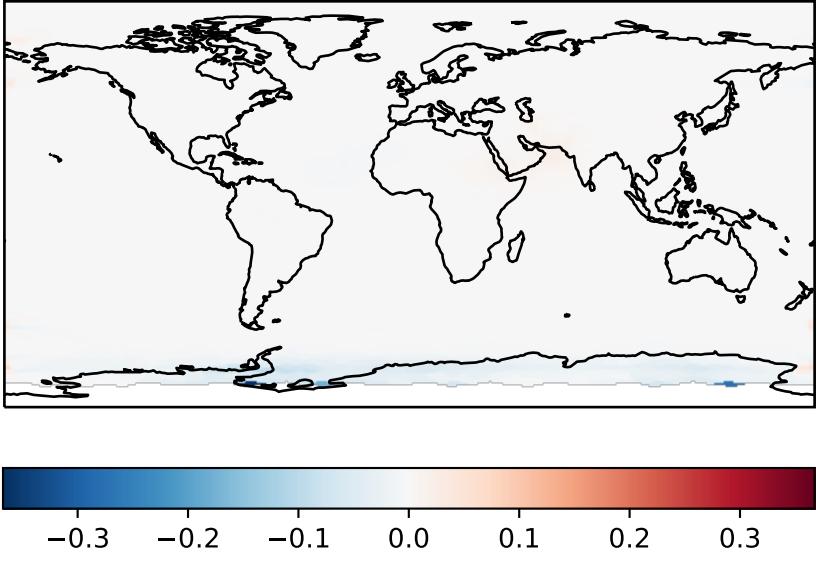
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s⁻¹

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



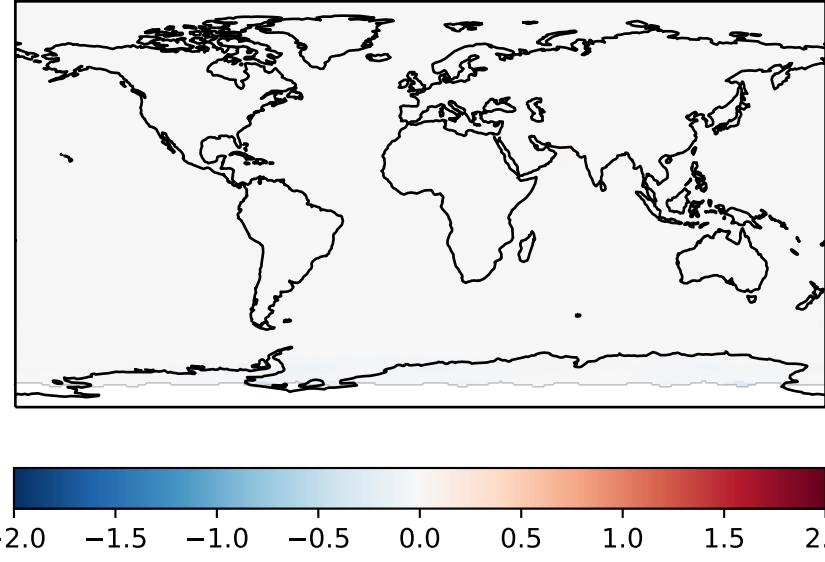
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s⁻¹

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



-0.3 -0.2 -0.1 0.0 0.1 0.2 0.3
unitless

Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



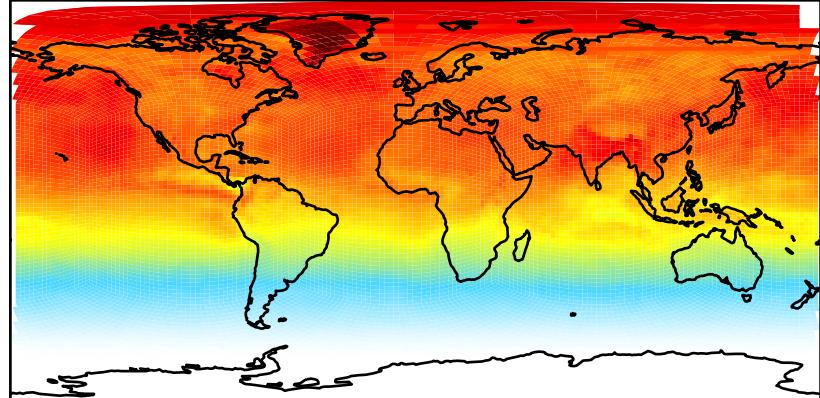
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unitless

Jval_MACR1OOH

GCHP_12.7.0 (Ref)
c48



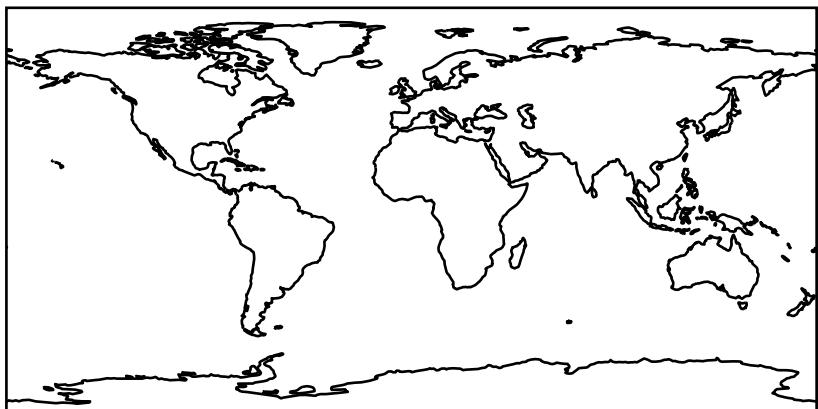
GCHP_12.8.0 (Dev)
c48



Undefined throughout domain
s-1

0.000000 0.000015 0.000030 0.000045
s-1

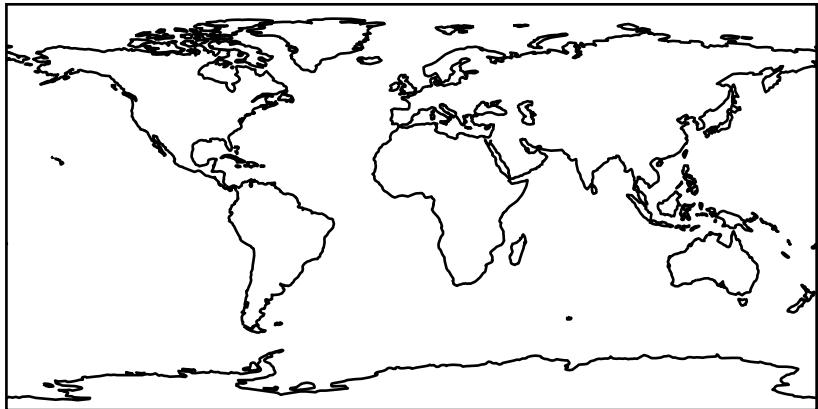
Difference (1x1.25)
Dev - Ref, Dynamic Range



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s-1

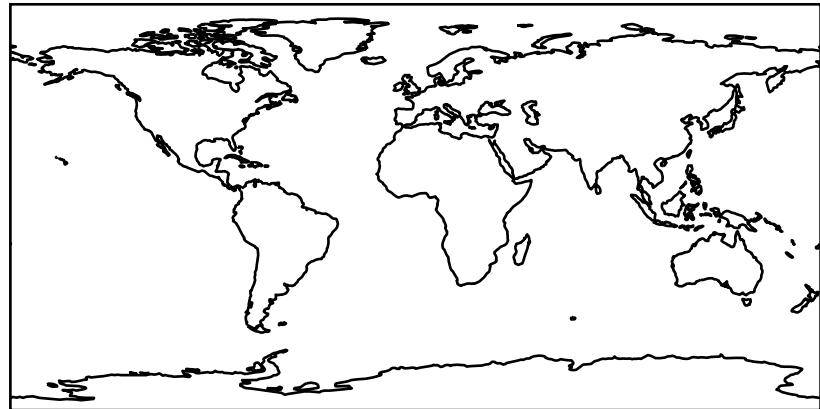
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s-1

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



Undefined throughout domain
unitless

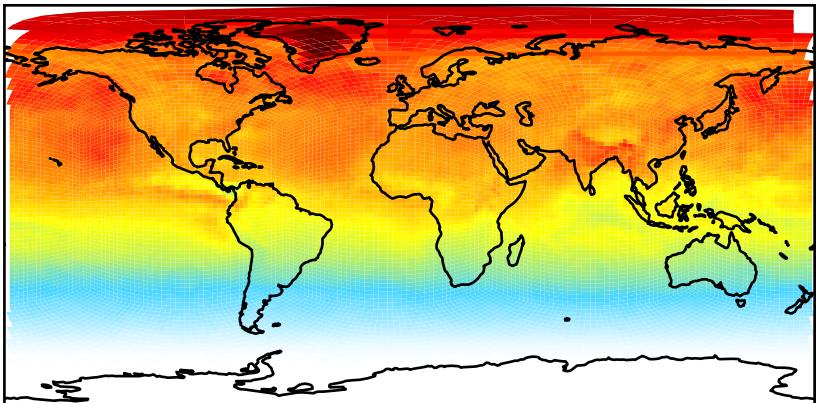
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



Undefined throughout domain
unitless

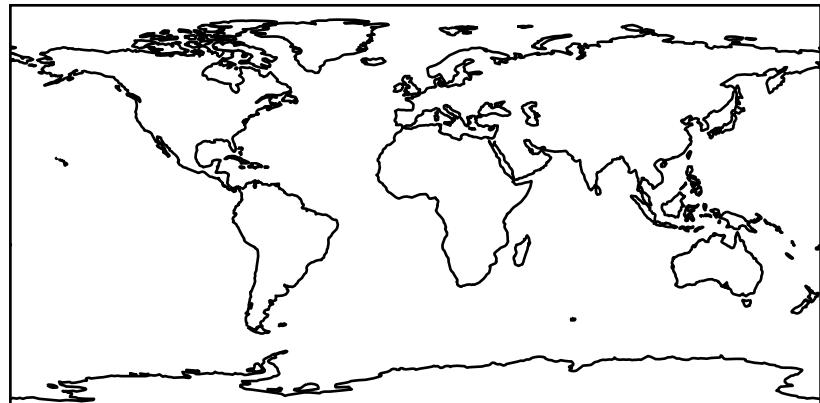
Jval_MACRN

GCHP_12.7.0 (Ref)
c48



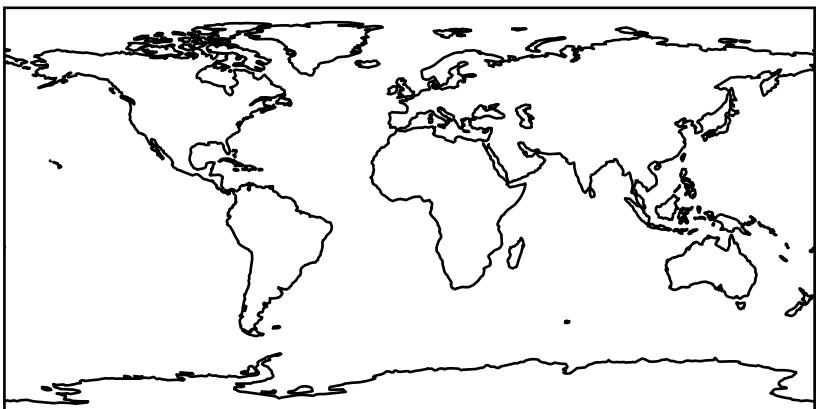
0.0000 0.0001 0.0002 0.0003
s-1

GCHP_12.8.0 (Dev)
c48



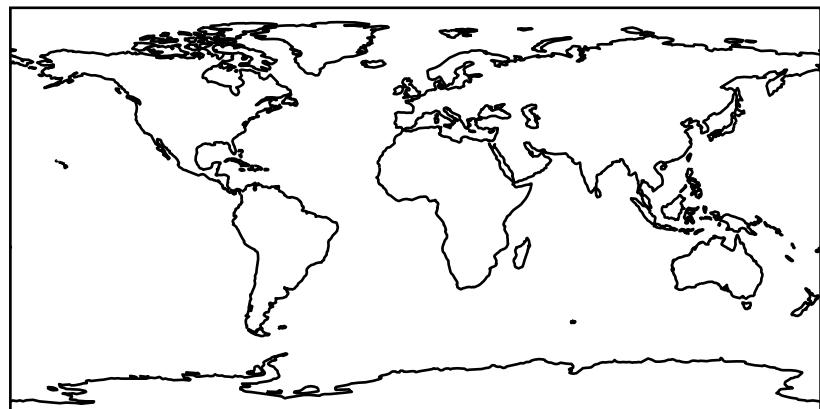
Undefined throughout domain
s-1

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



Undefined throughout domain
s-1

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



Undefined throughout domain
s-1

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



Undefined throughout domain
unitless

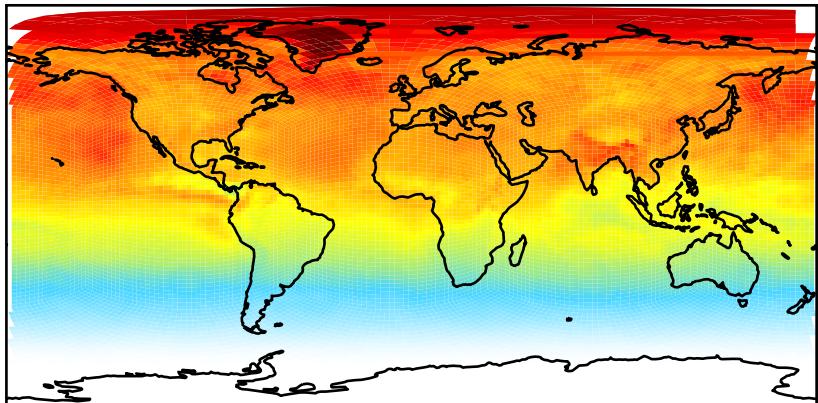
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



Undefined throughout domain
unitless

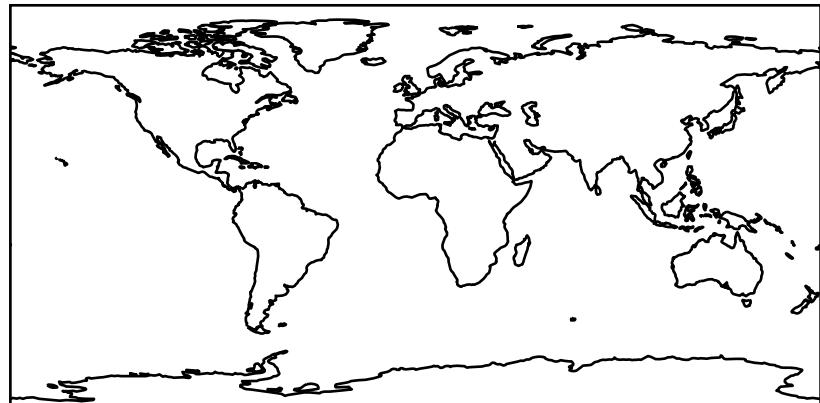
Jval_MAOP

GCHP_12.7.0 (Ref)
c48



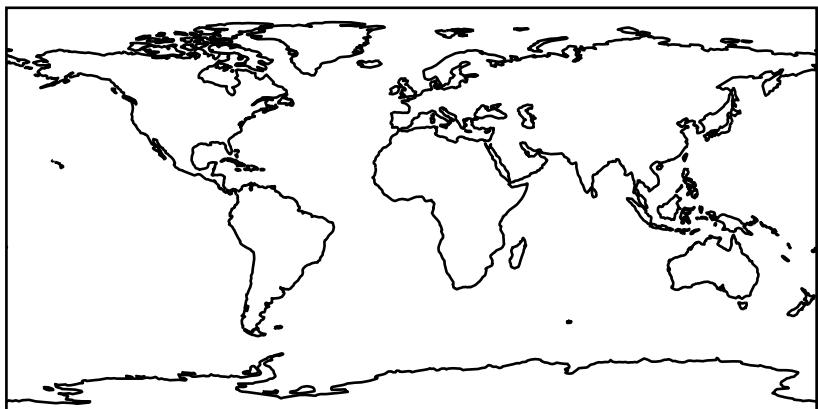
0.0000000 0.0000015 0.0000030 0.0000045
s⁻¹

GCHP_12.8.0 (Dev)
c48



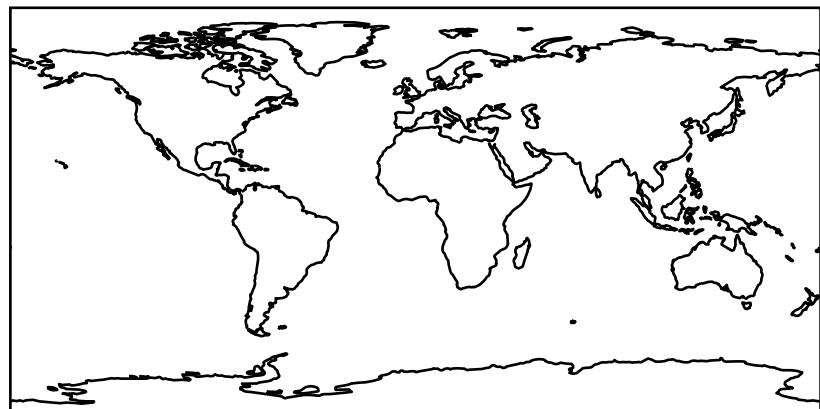
Undefined throughout domain
s⁻¹

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



Undefined throughout domain
s⁻¹

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



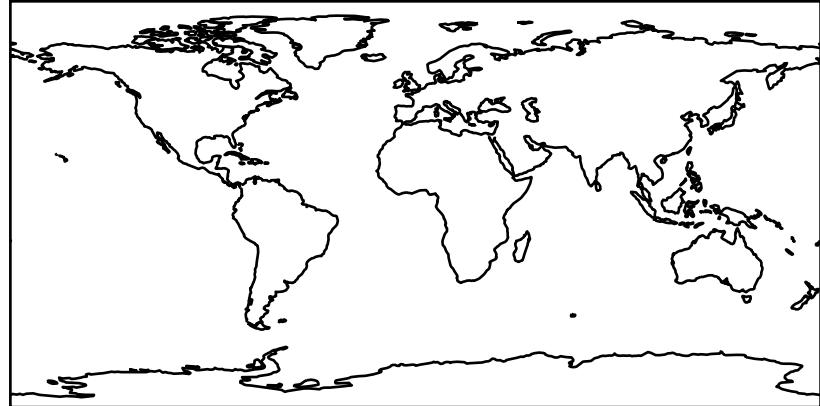
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s⁻¹

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



Undefined throughout domain
unitless

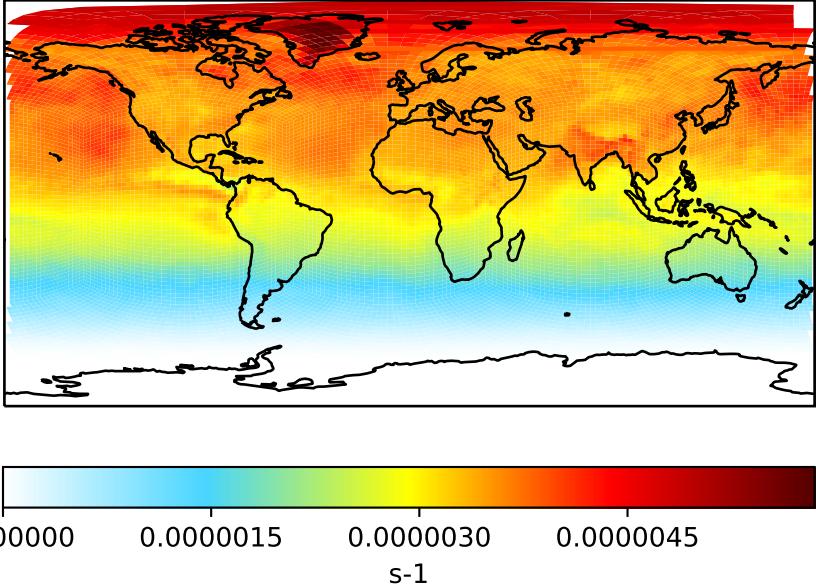
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



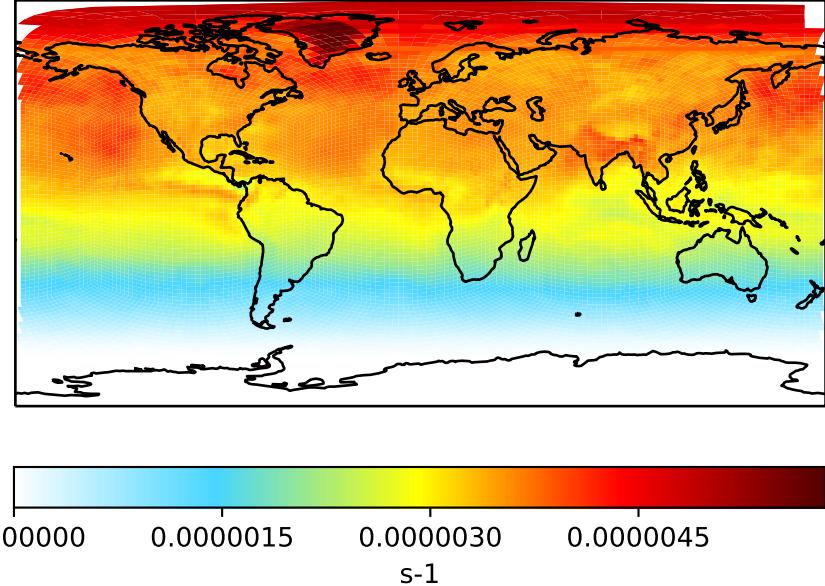
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unitless

Jval_MAP

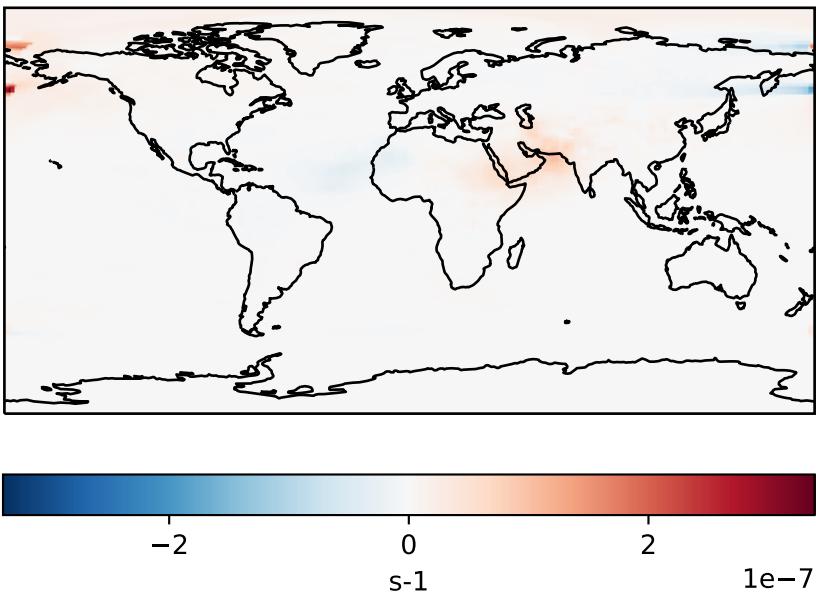
GCHP_12.7.0 (Ref)
c48



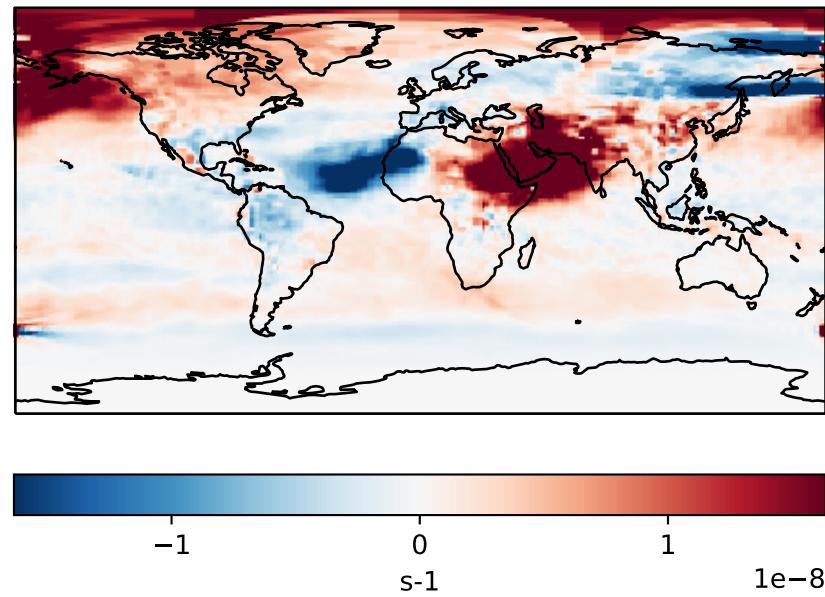
GCHP_12.8.0 (Dev)
c48



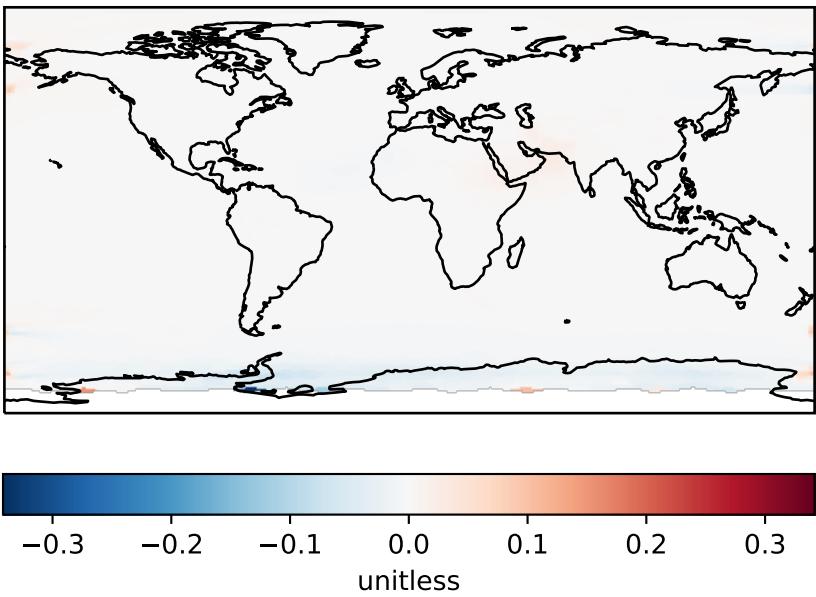
Difference (1x1.25)
Dev - Ref, Dynamic Range



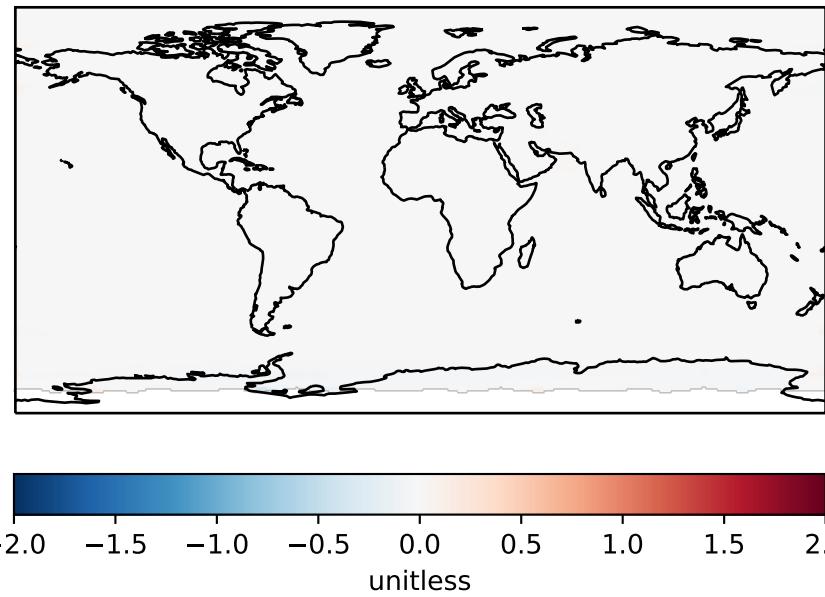
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

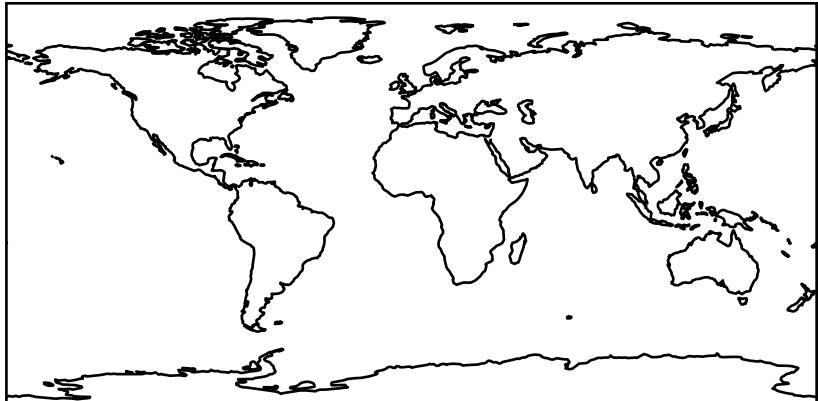


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

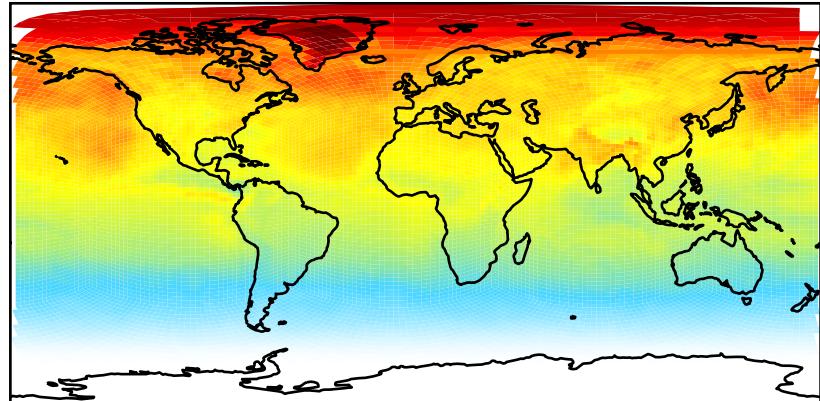


Jval_MCRENOL

GCHP_12.7.0 (Ref)
c48



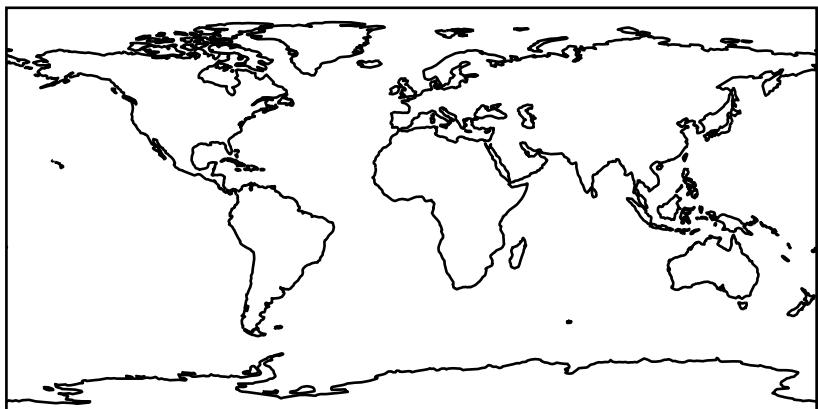
GCHP_12.8.0 (Dev)
c48



Undefined throughout domain
s⁻¹

0.0000 0.0001 0.0002 0.0003
s⁻¹

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



Undefined throughout domain
s⁻¹

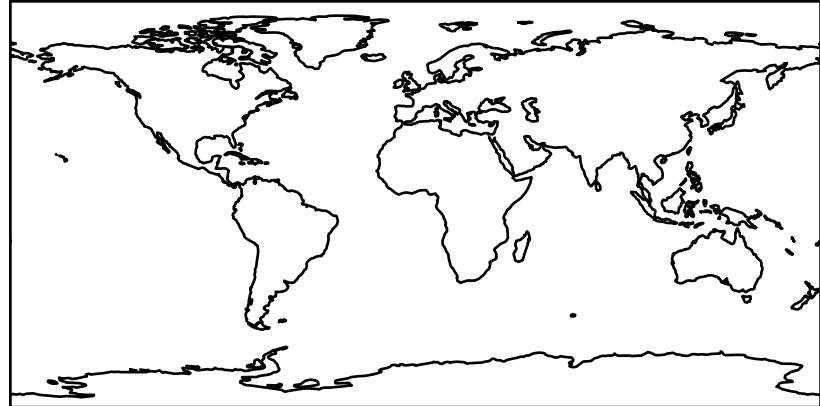
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s⁻¹

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



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unitless

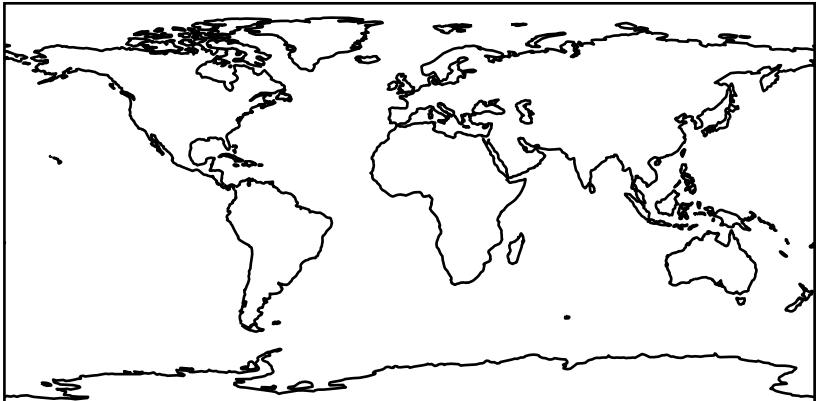
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



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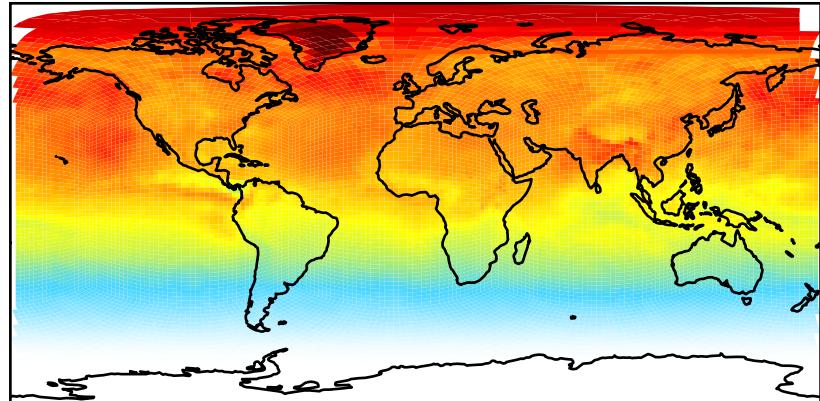
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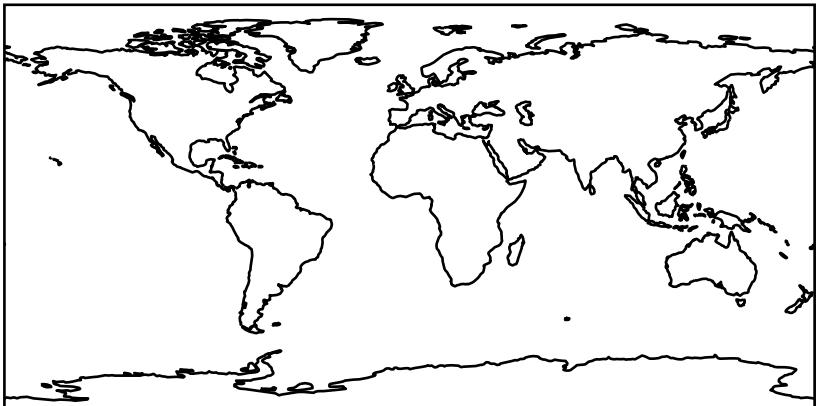
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GCHP_12.8.0 (Dev)
c48



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



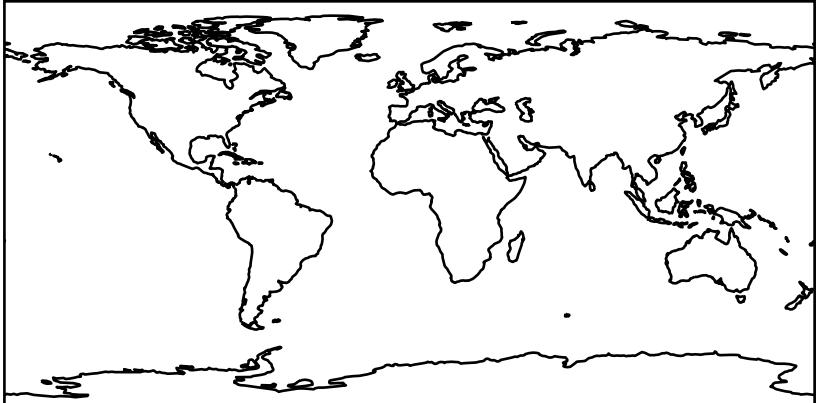
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s-1

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



Undefined throughout domain
s-1

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



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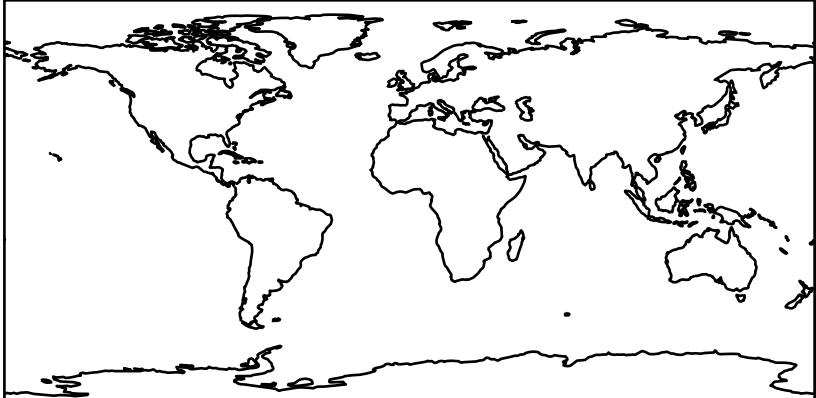
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



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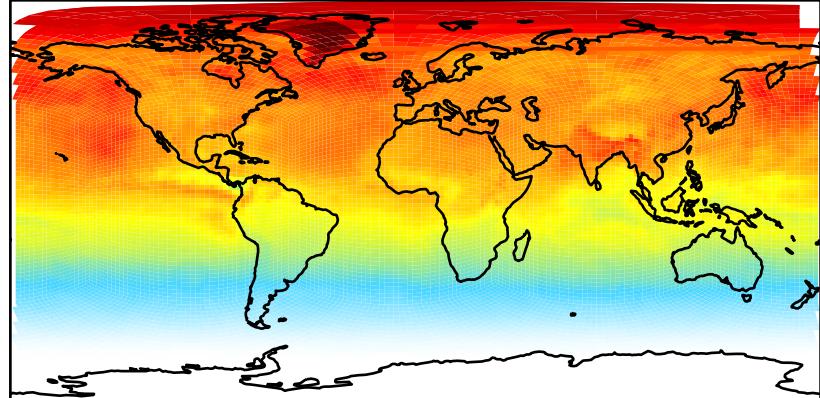
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GCHP_12.7.0 (Ref)
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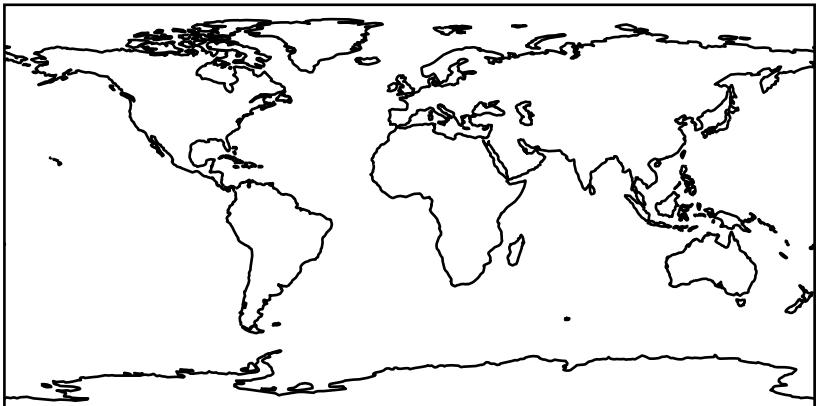
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GCHP_12.8.0 (Dev)
c48



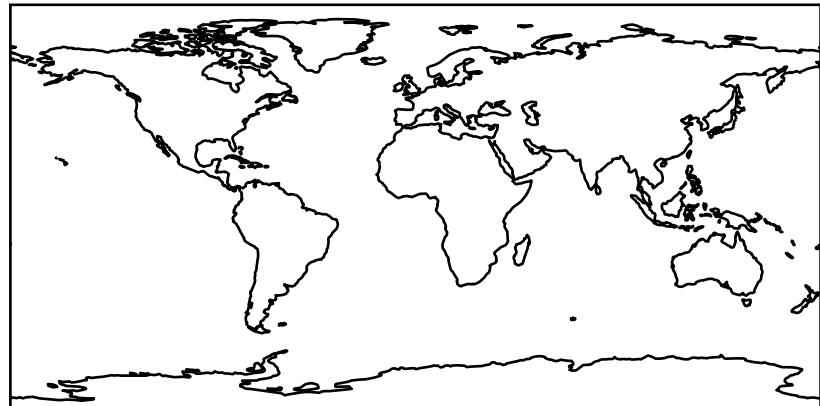
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Difference (1x1.25)
Dev - Ref, Dynamic Range



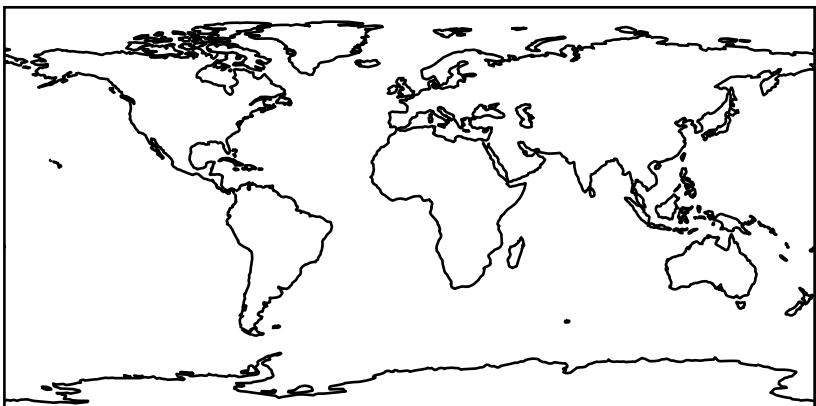
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Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



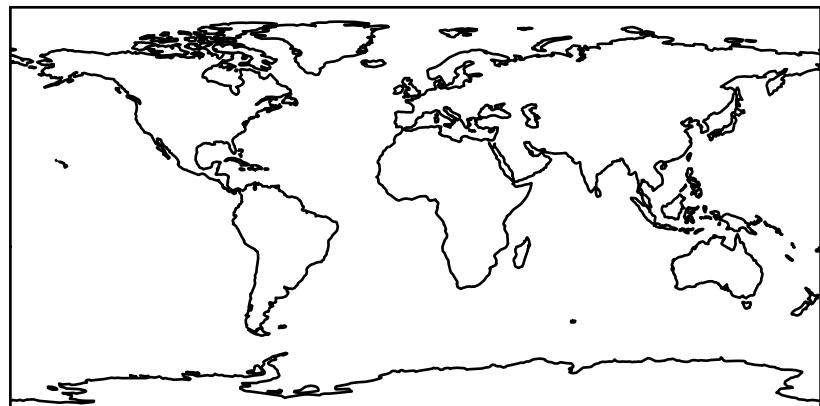
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



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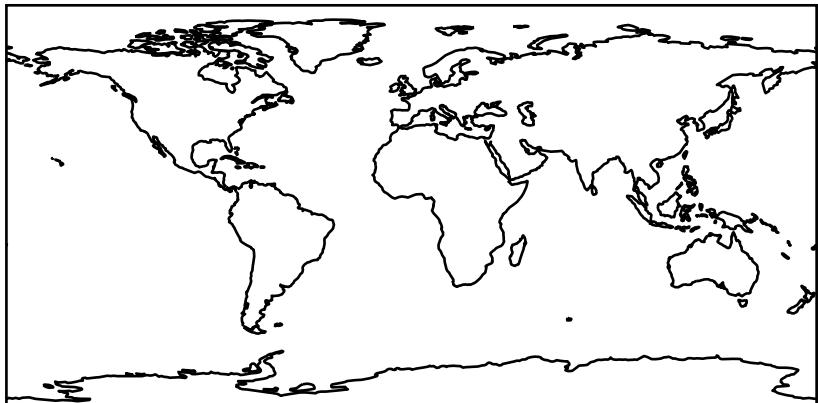
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



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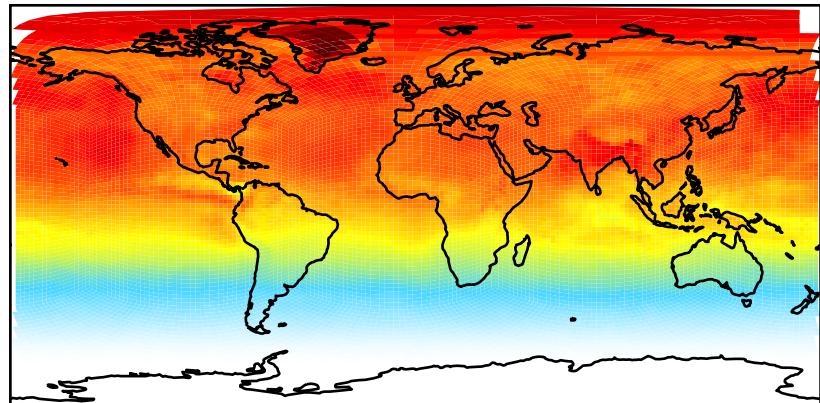
Jval_MCRHP

GCHP_12.7.0 (Ref)
c48



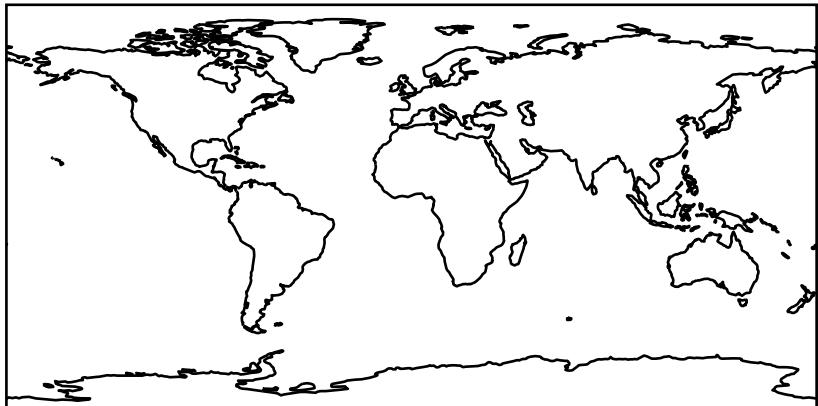
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GCHP_12.8.0 (Dev)
c48



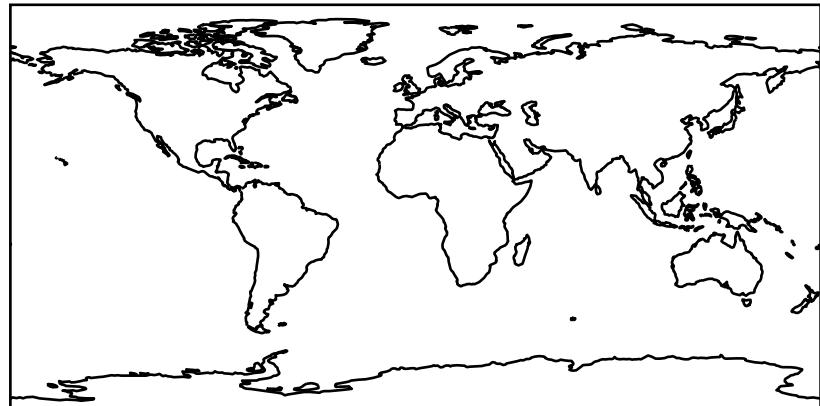
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Difference (1x1.25)
Dev - Ref, Dynamic Range



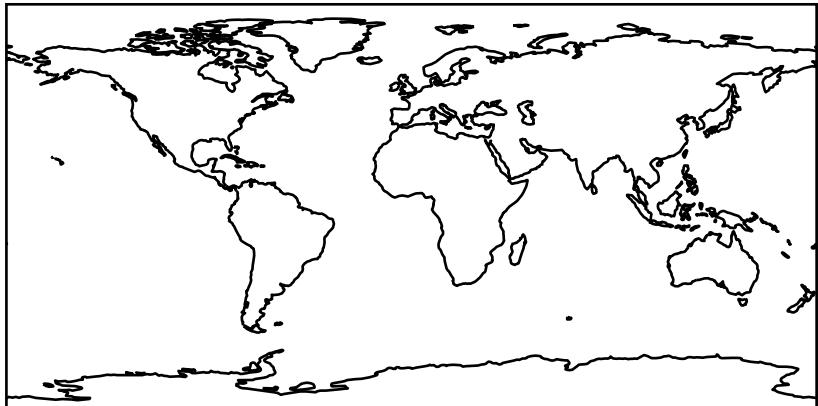
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Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



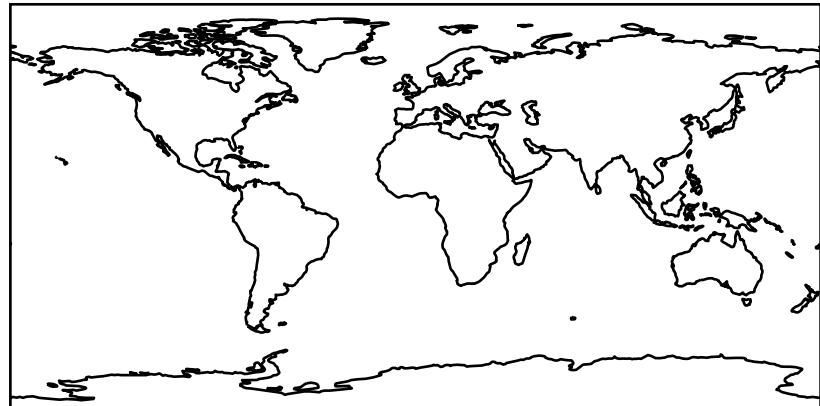
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



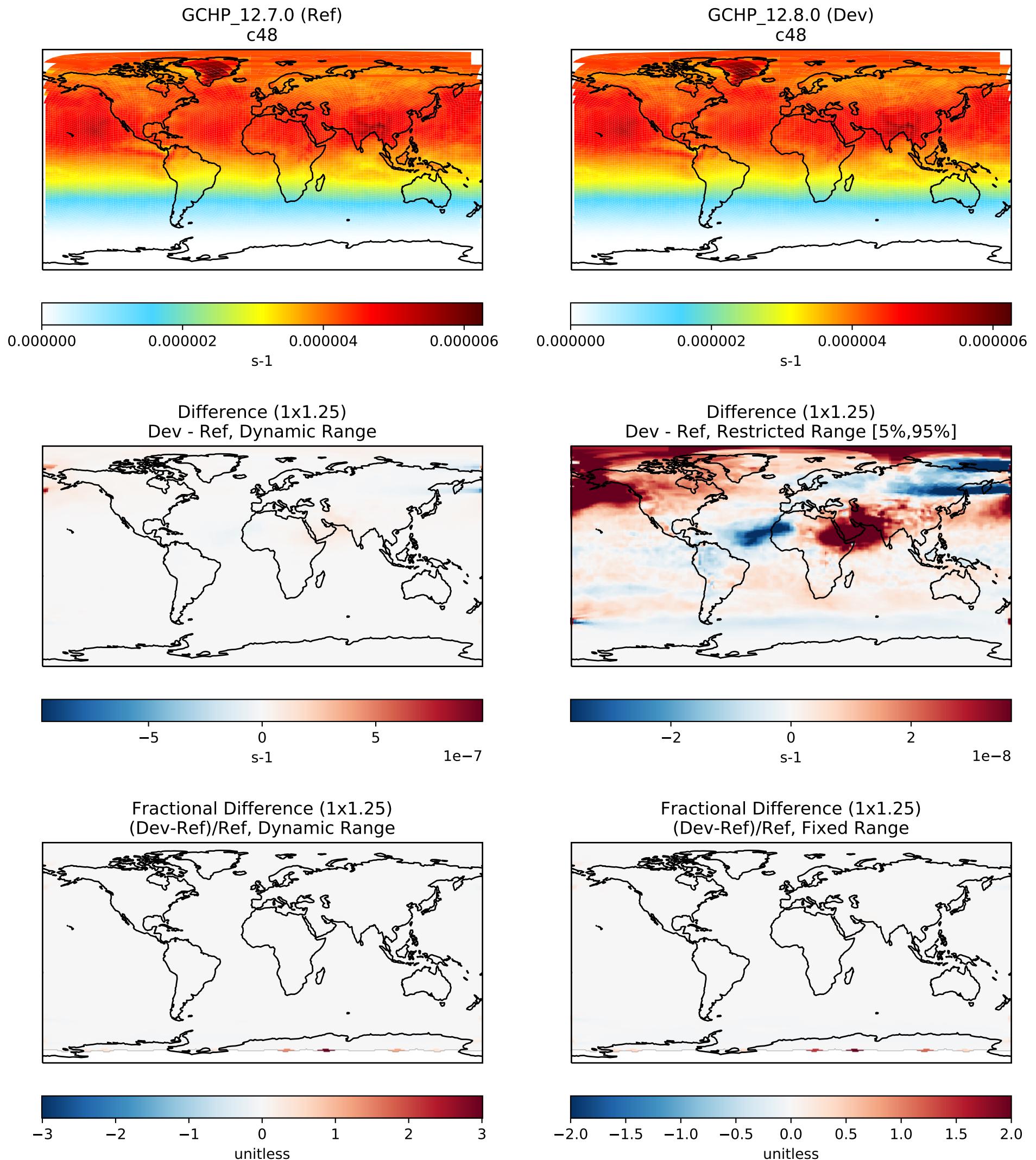
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



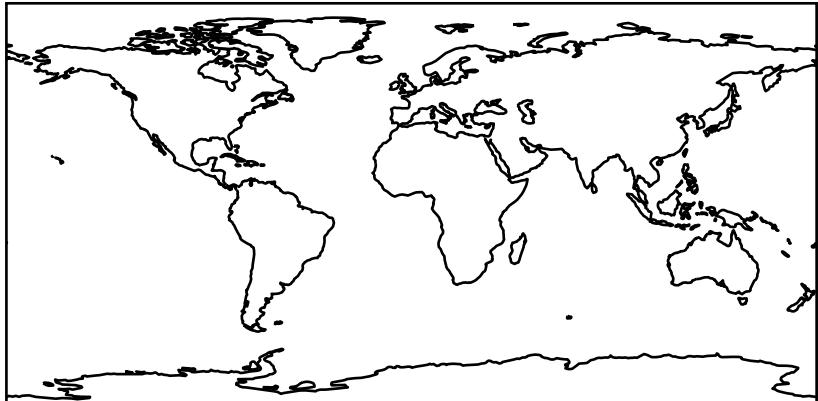
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Jval_MEK



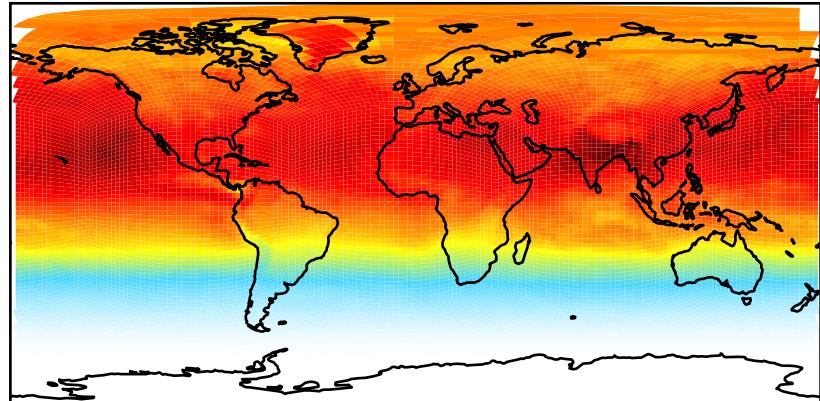
Jval_MENO3

GCHP_12.7.0 (Ref)
c48



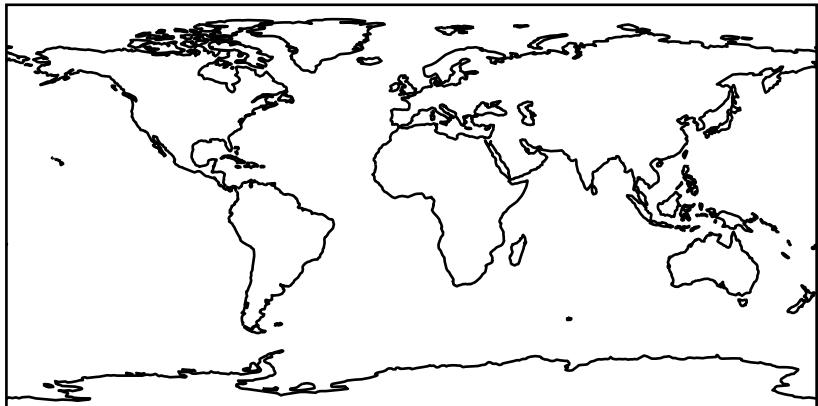
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s-1

GCHP_12.8.0 (Dev)
c48



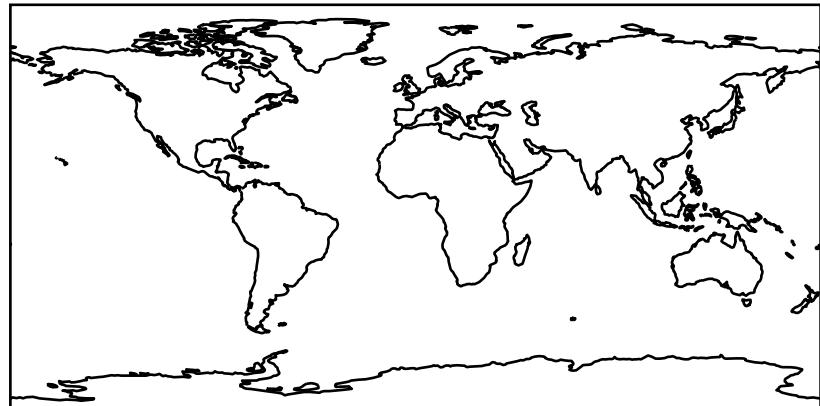
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Difference (1x1.25)
Dev - Ref, Dynamic Range



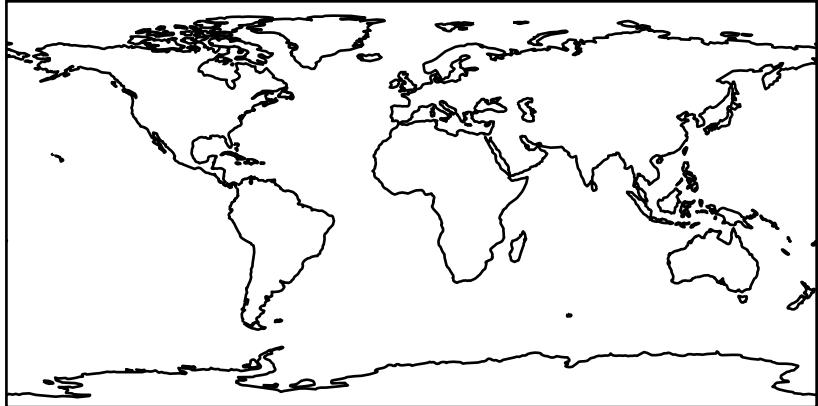
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Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



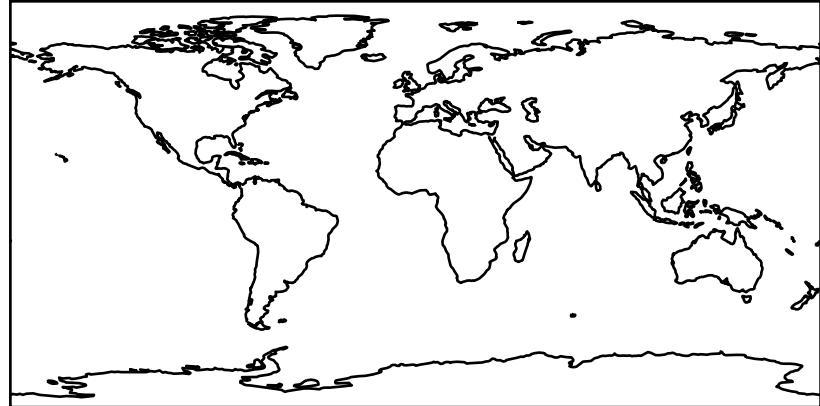
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



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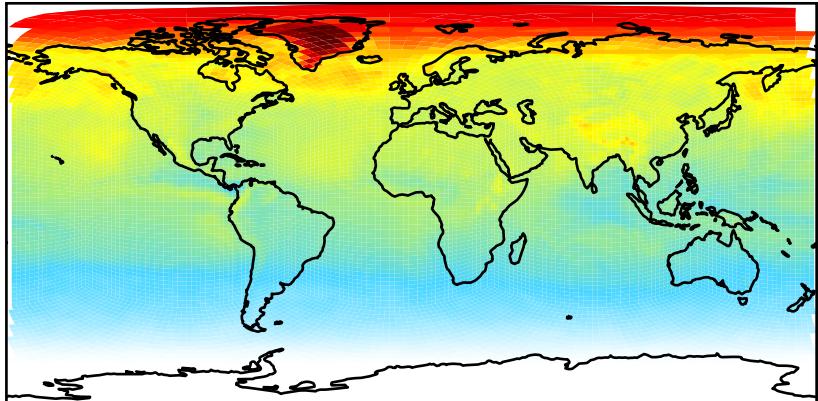
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



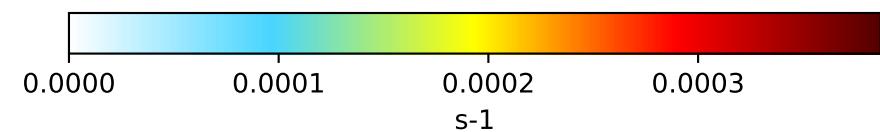
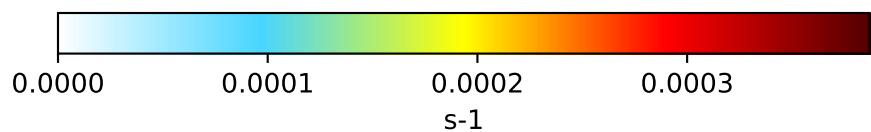
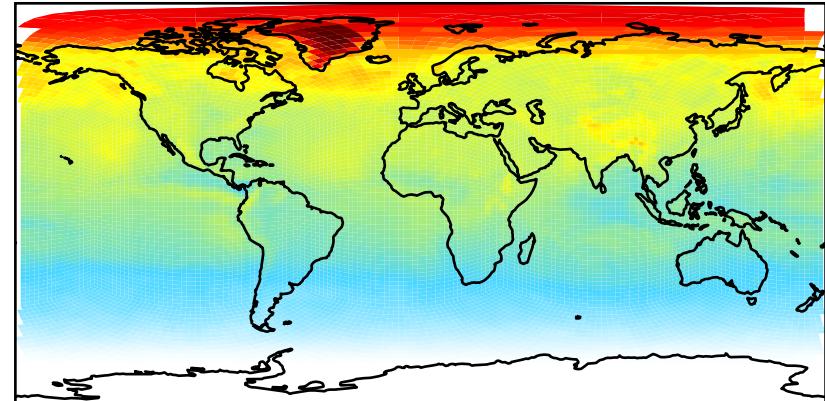
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Jval_MGLY

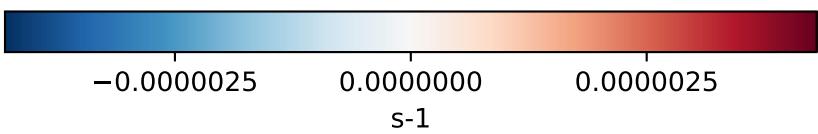
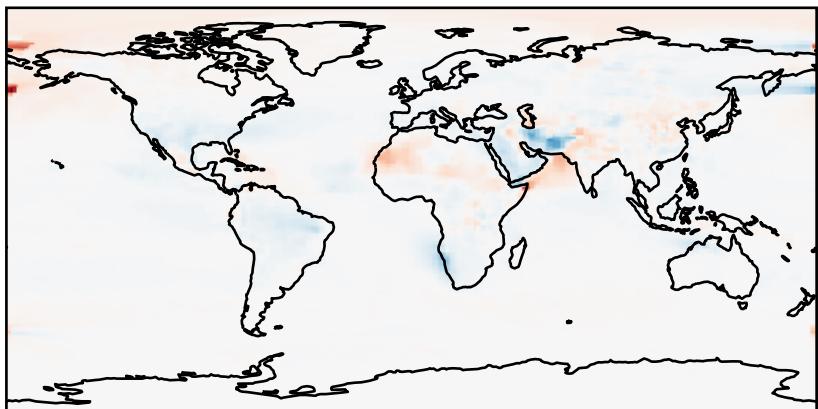
GCHP_12.7.0 (Ref)
c48



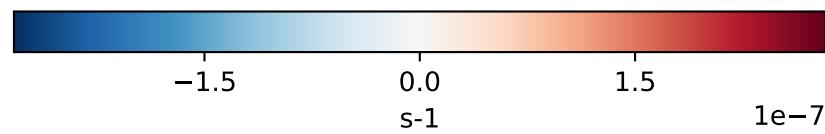
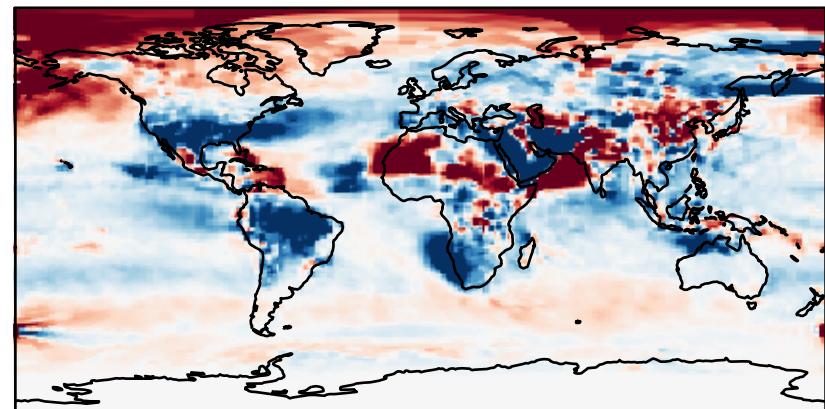
GCHP_12.8.0 (Dev)
c48



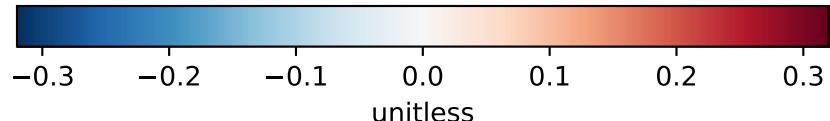
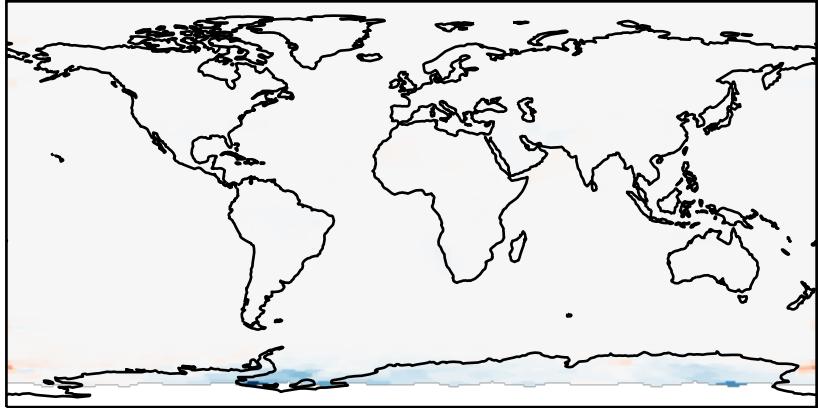
Difference (1x1.25)
Dev - Ref, Dynamic Range



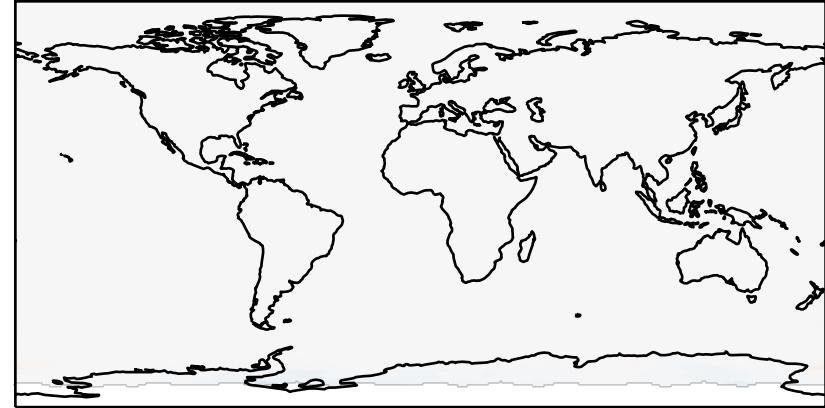
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



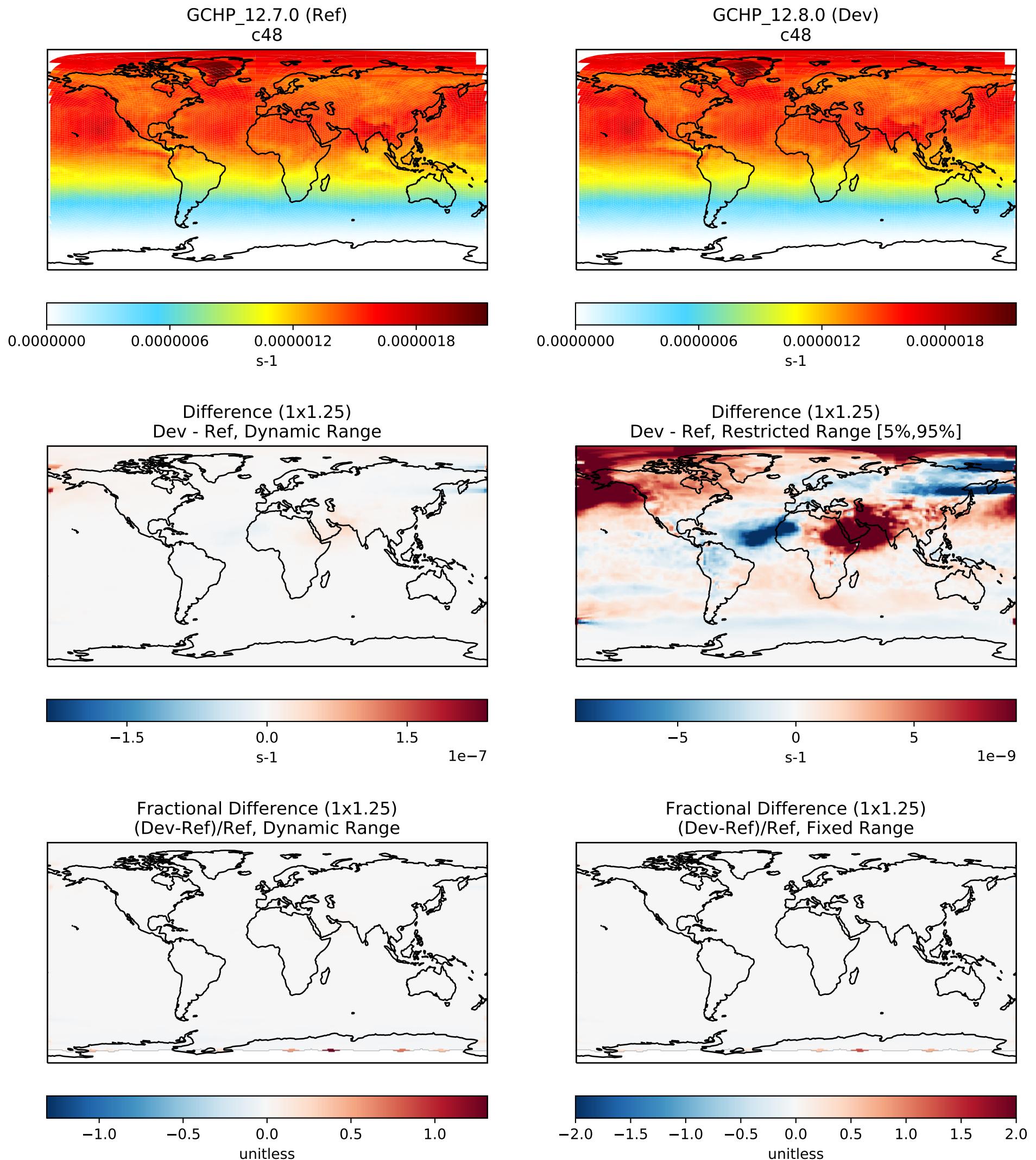
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



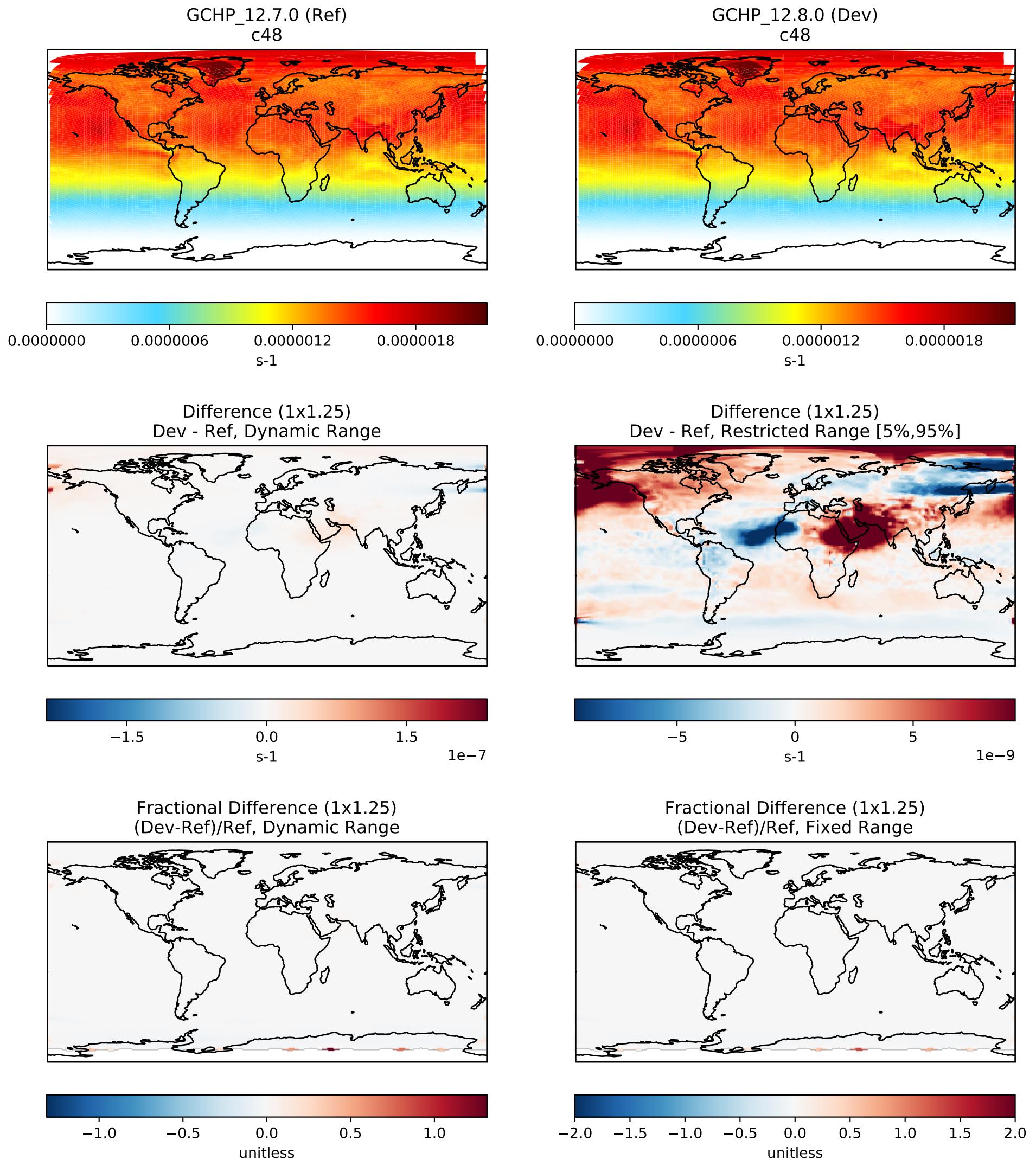
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



Jval_MONITS

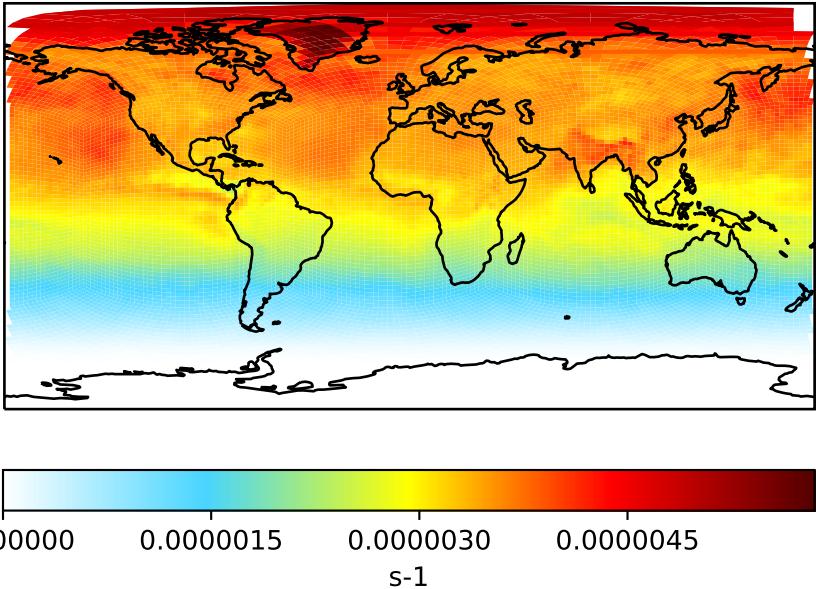


Jval_MONITU

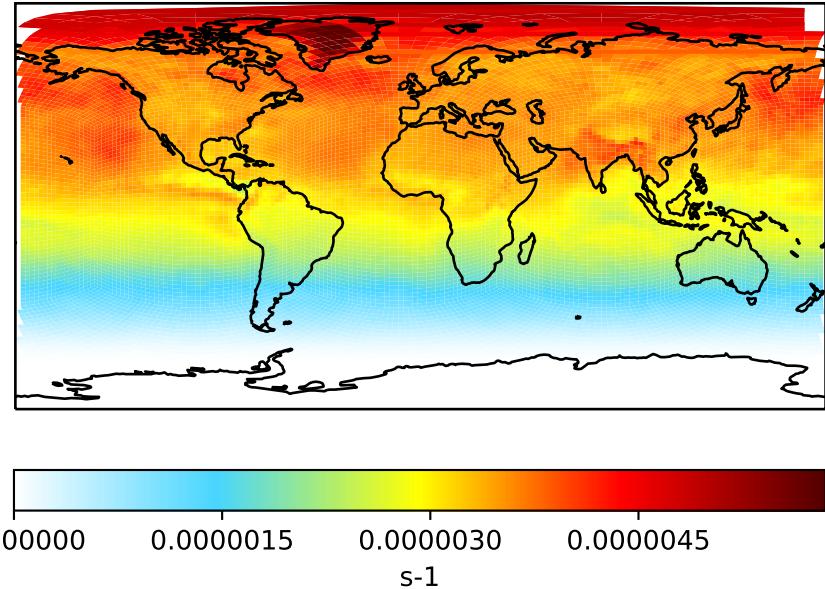


Jval_MP

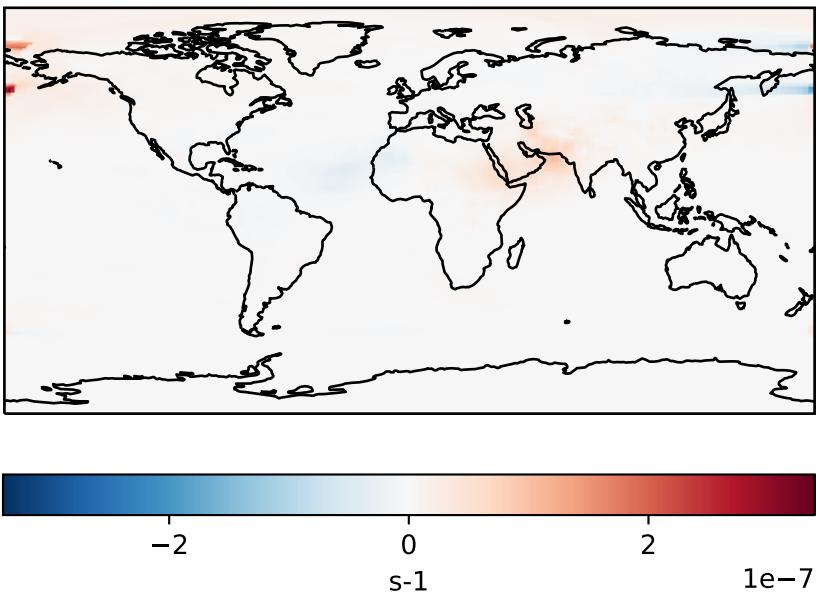
GCHP_12.7.0 (Ref)
c48



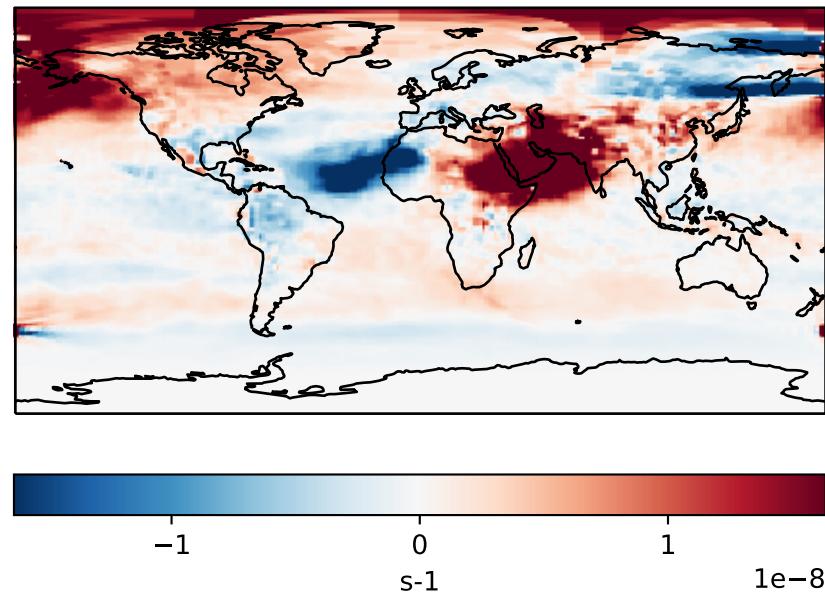
GCHP_12.8.0 (Dev)
c48



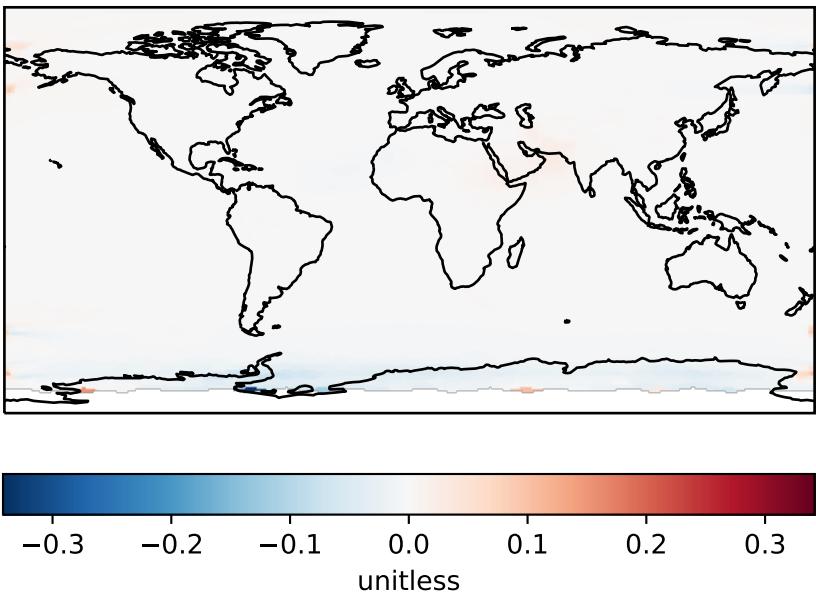
Difference (1x1.25)
Dev - Ref, Dynamic Range



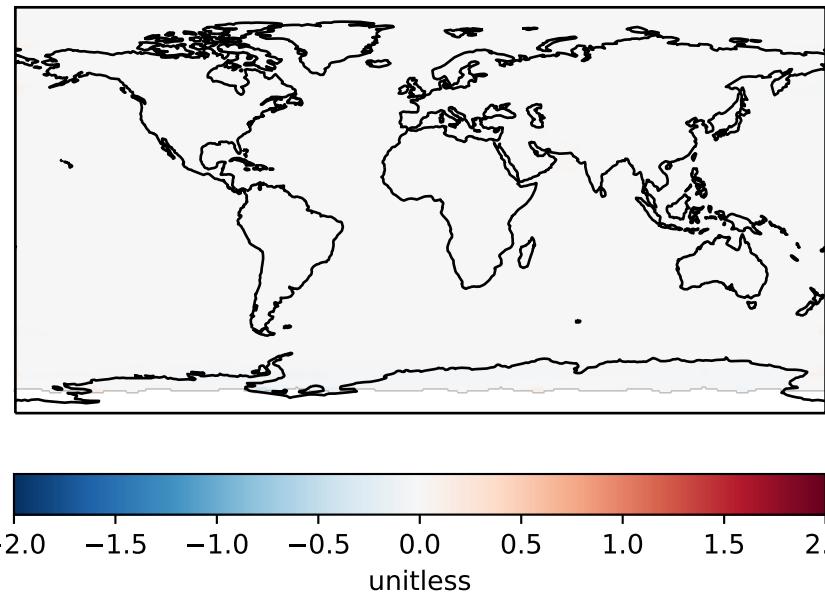
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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



Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



Jval_MPAN

GCHP_12.7.0 (Ref)
c48



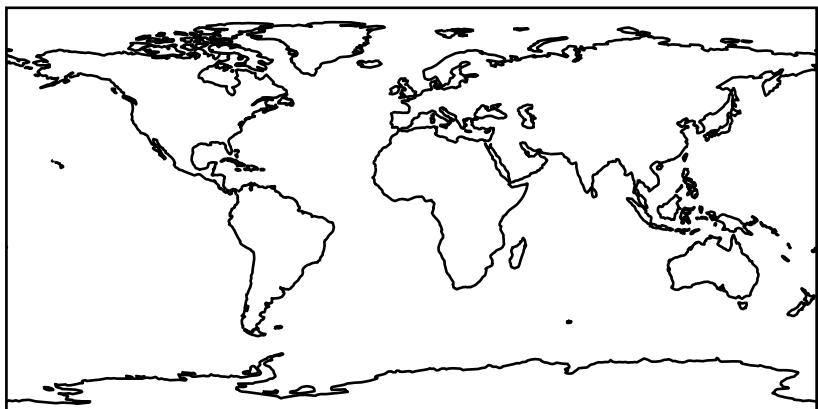
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s-1

GCHP_12.8.0 (Dev)
c48



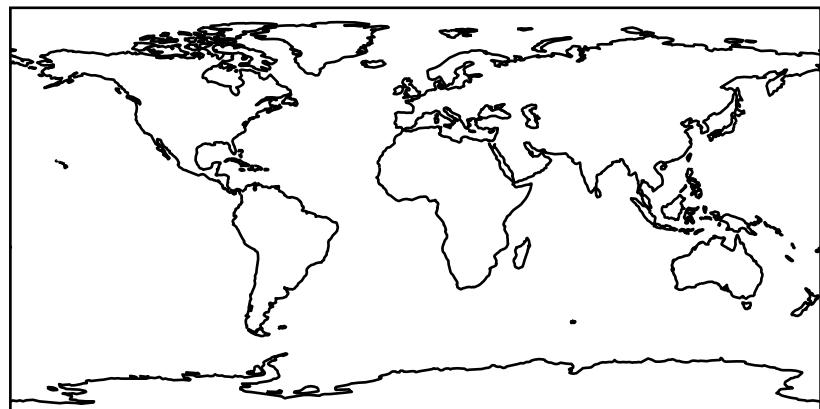
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Difference (1x1.25)
Dev - Ref, Dynamic Range



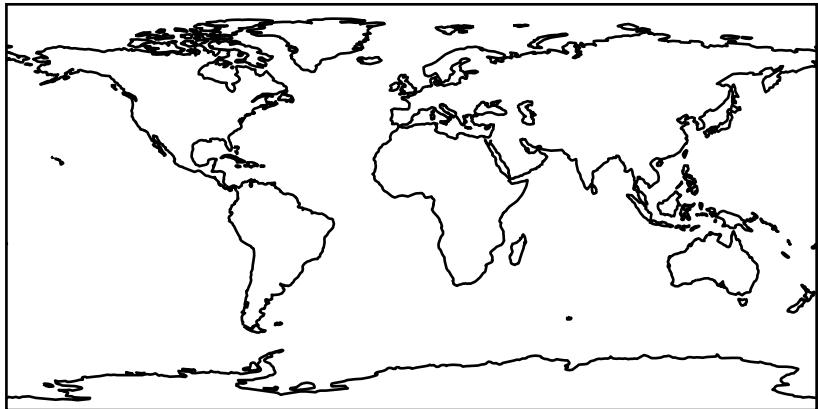
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s-1

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



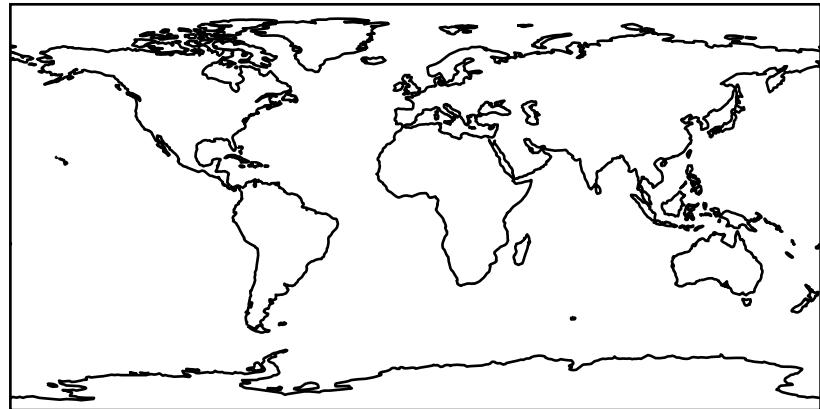
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s-1

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



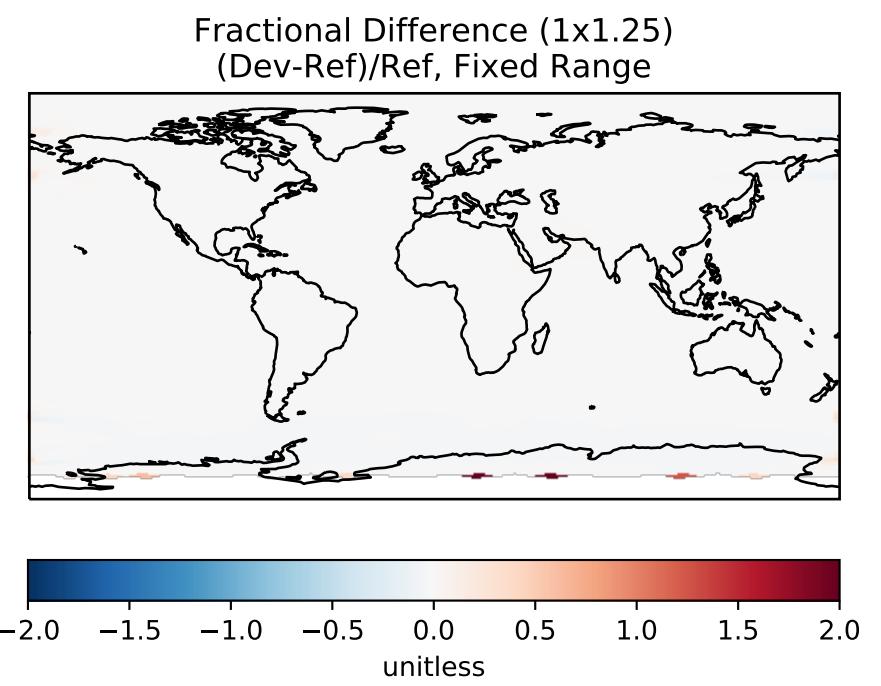
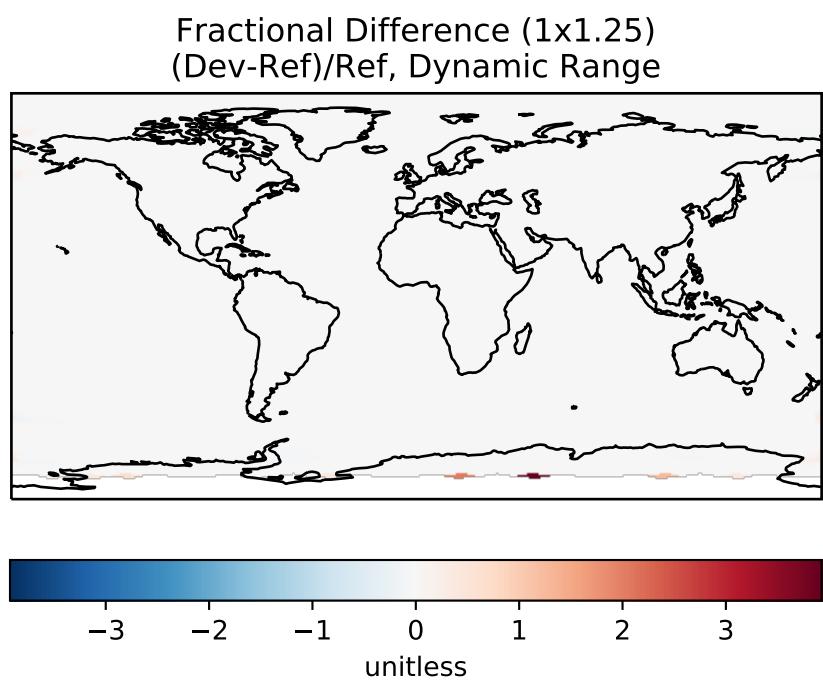
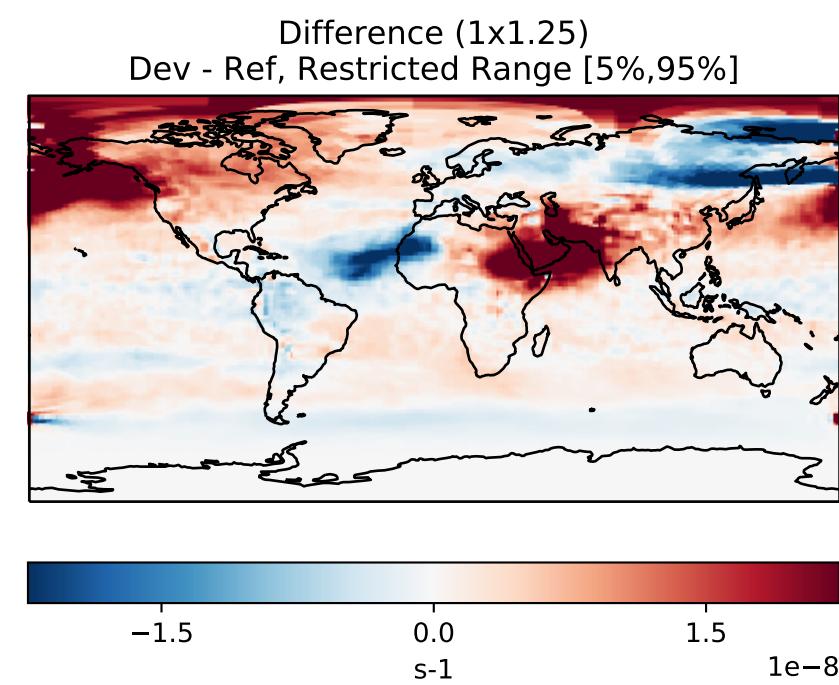
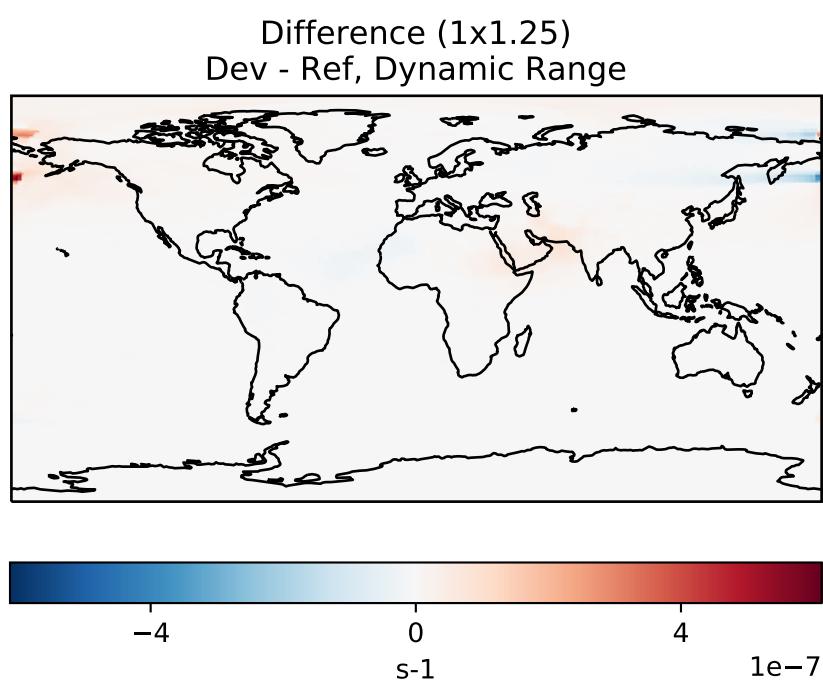
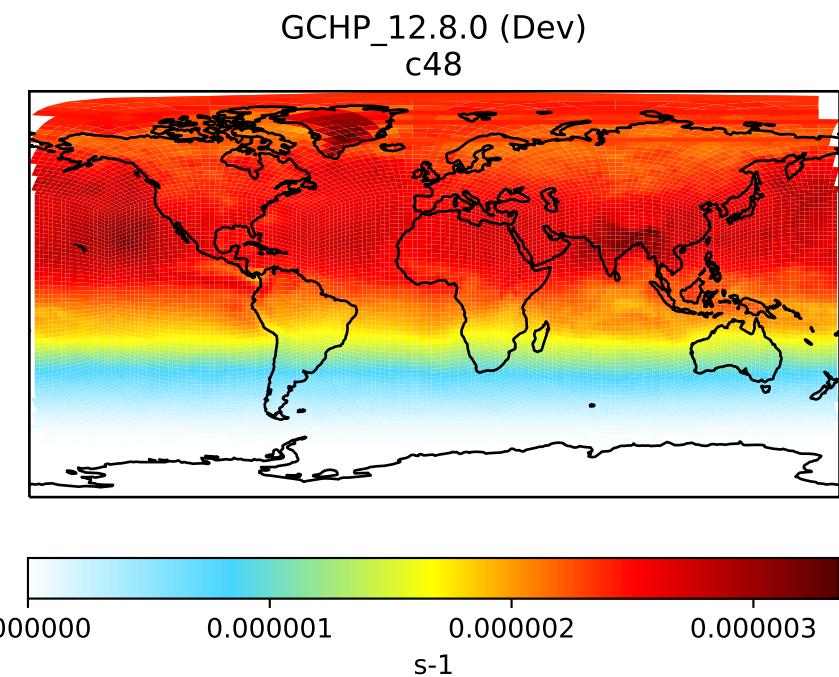
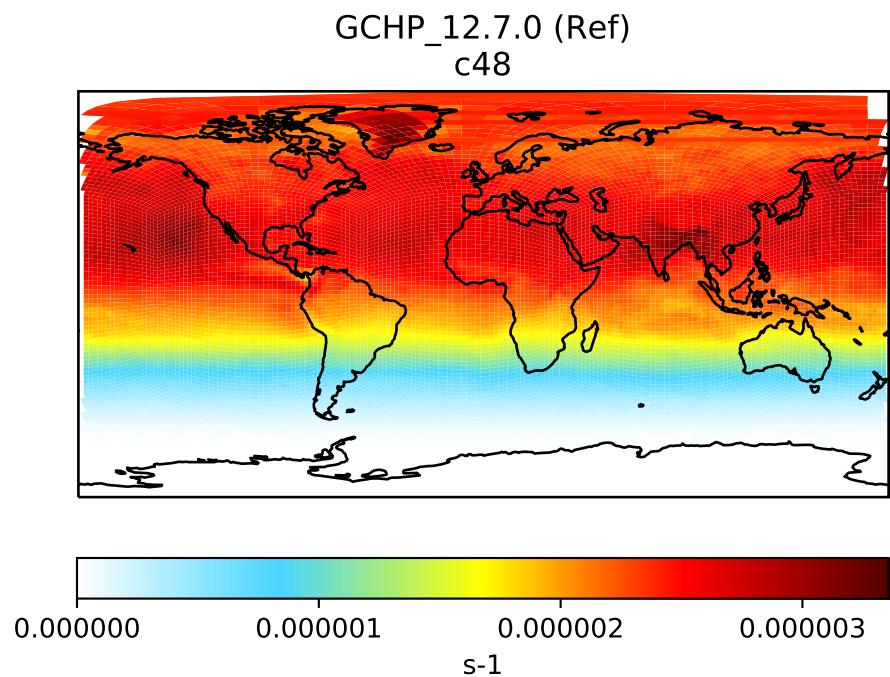
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



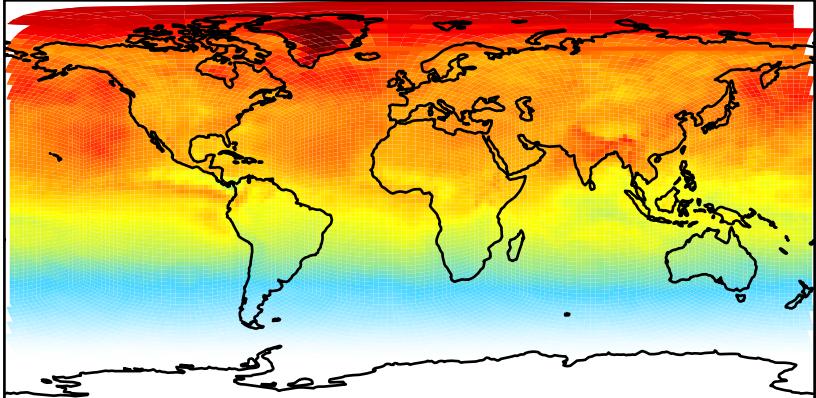
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unitless

Jval_MPNN



Jval_MRP

GCHP_12.7.0 (Ref)
c48



0.0000000 0.0000015 0.0000030 0.0000045
s⁻¹

GCHP_12.8.0 (Dev)
c48



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s⁻¹

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



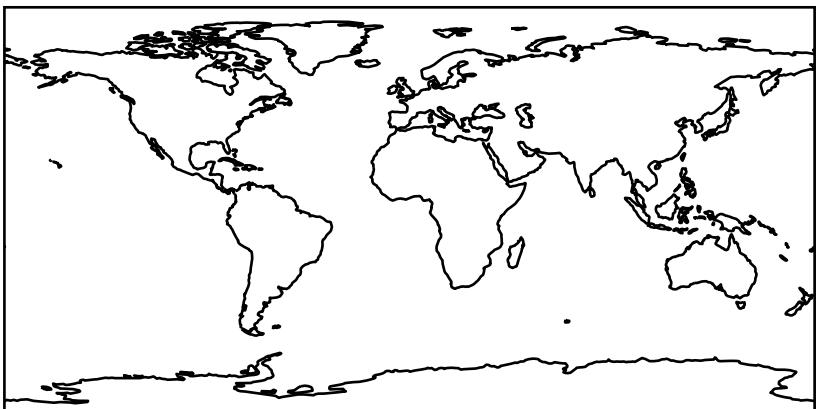
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s⁻¹

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



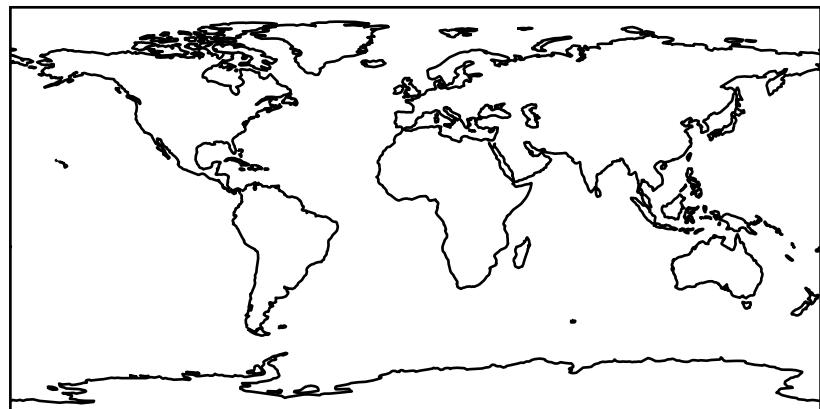
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



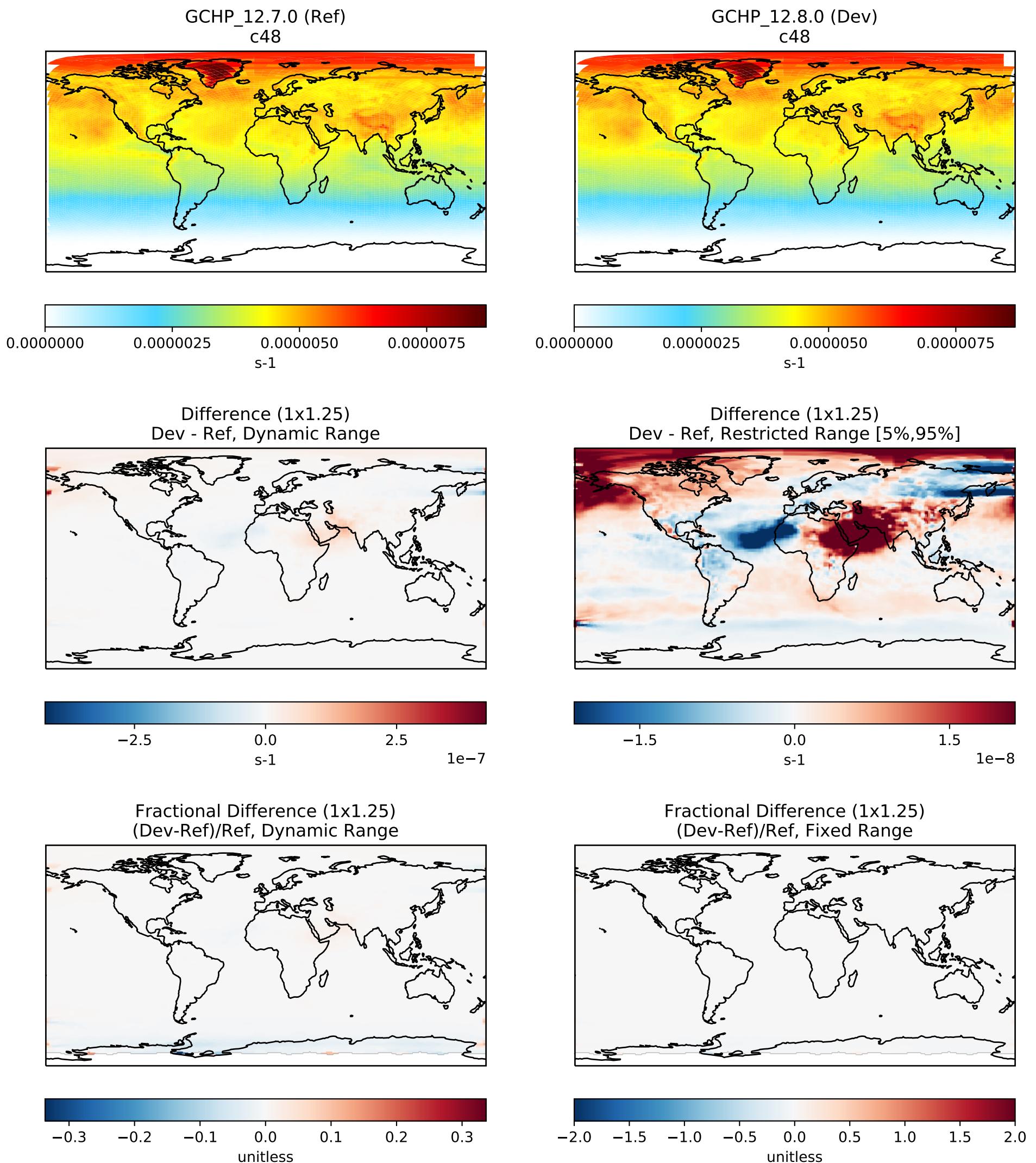
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



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Jval_MVK



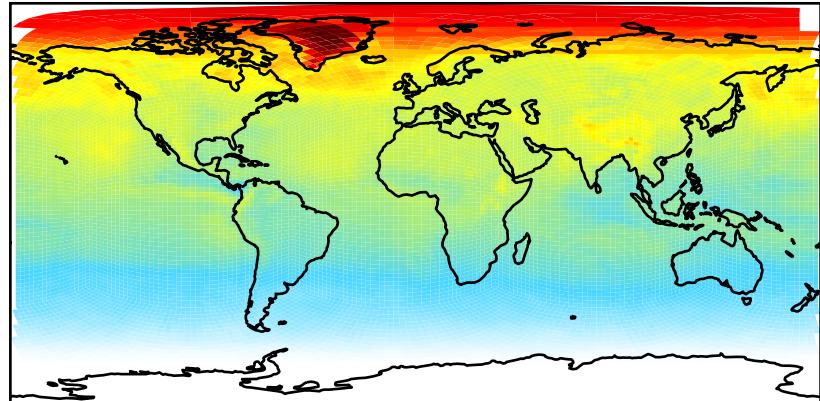
Jval_MVKHC

GCHP_12.7.0 (Ref)
c48



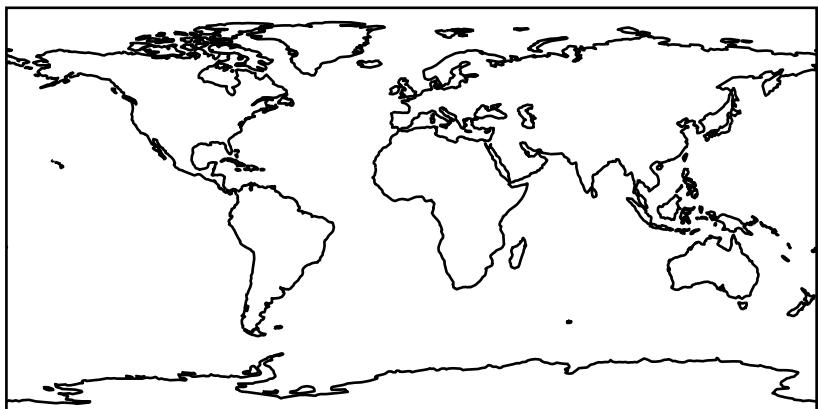
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s-1

GCHP_12.8.0 (Dev)
c48



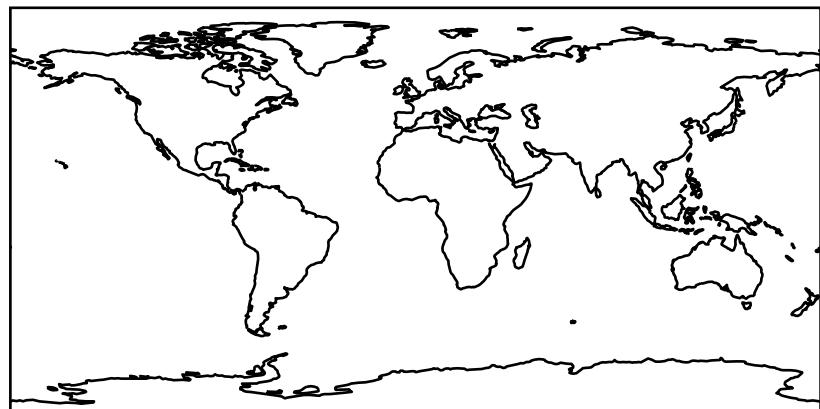
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s-1

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



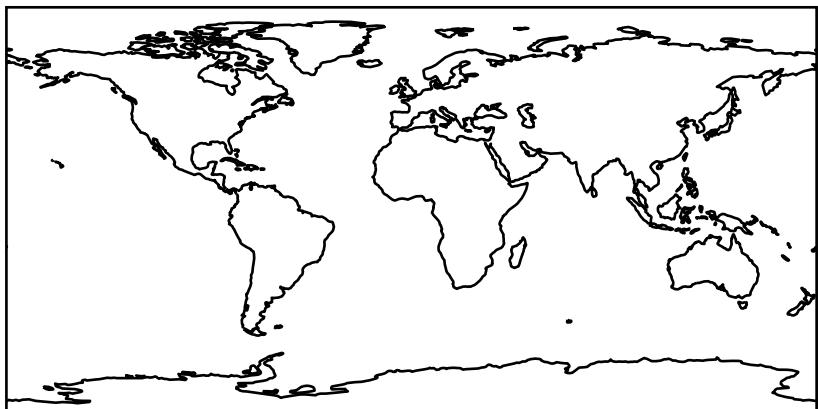
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s-1

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



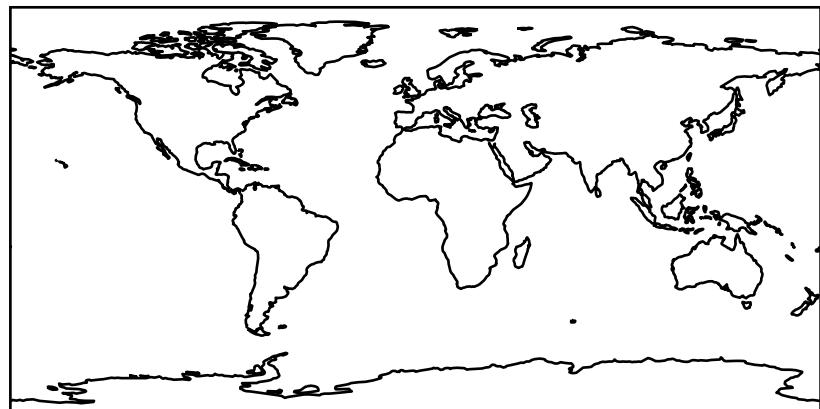
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



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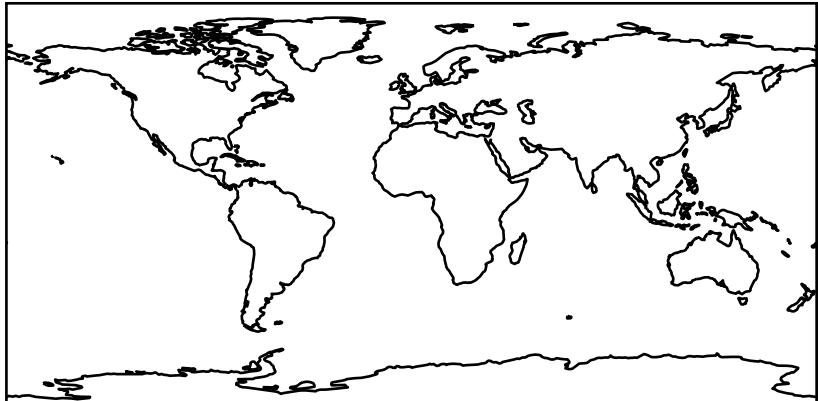
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



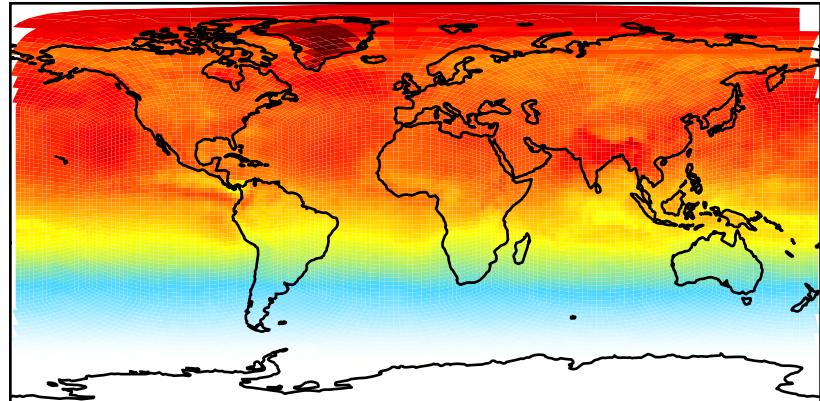
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Jval_MVKHCB

GCHP_12.7.0 (Ref)
c48



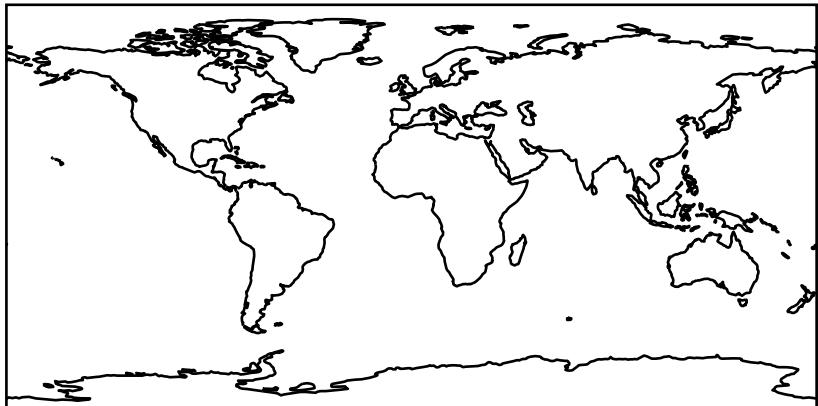
GCHP_12.8.0 (Dev)
c48



Undefined throughout domain
s⁻¹

0.000000 0.000015 0.000030
s⁻¹

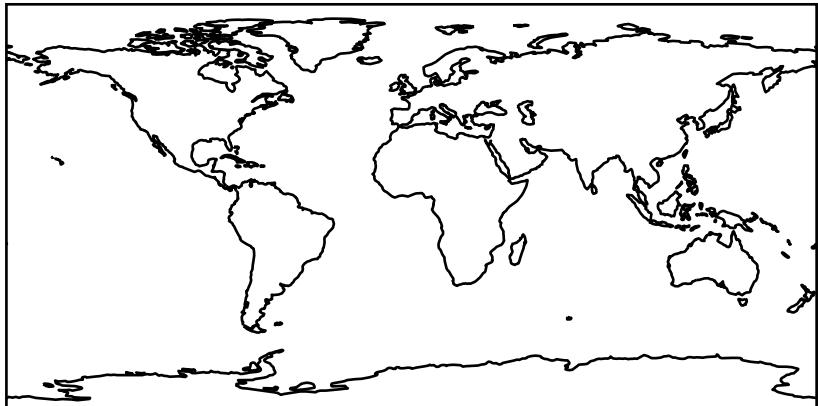
Difference (1x1.25)
Dev - Ref, Dynamic Range



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s⁻¹

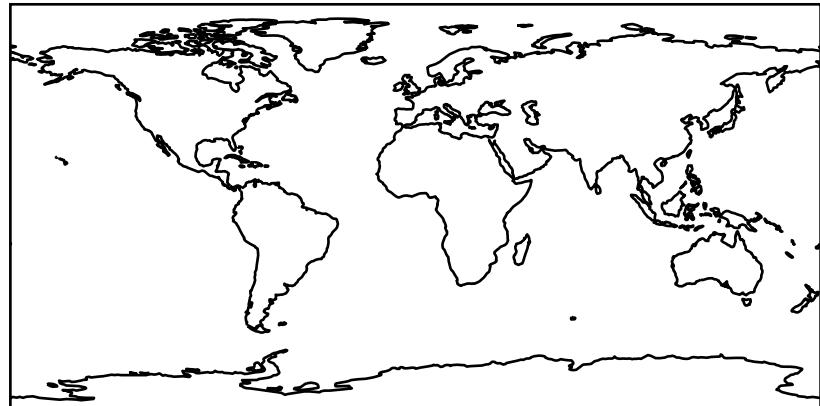
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s⁻¹

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



Undefined throughout domain
unitless

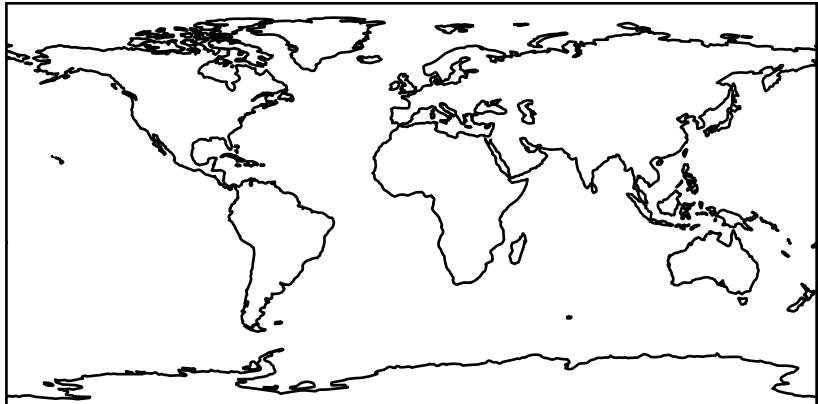
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



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unitless

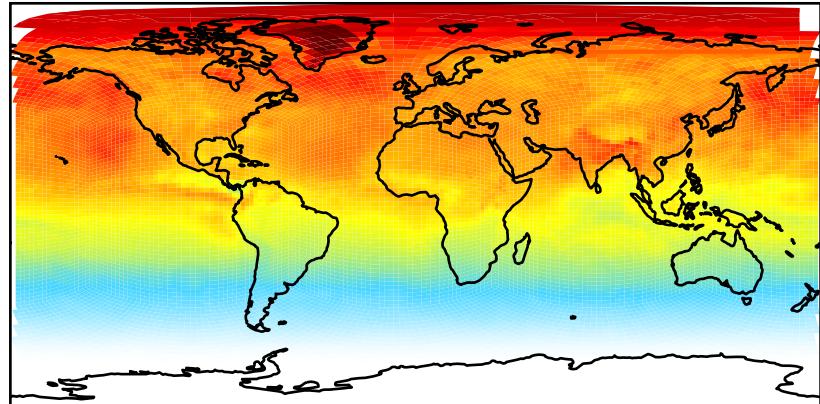
Jval_MVKHP

GCHP_12.7.0 (Ref)
c48



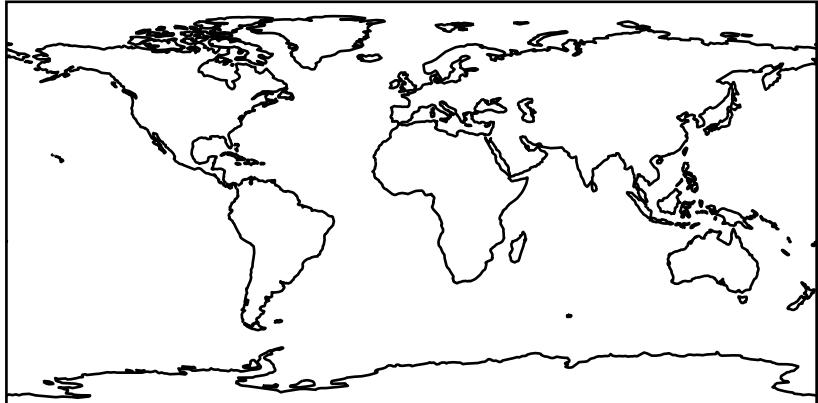
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s-1

GCHP_12.8.0 (Dev)
c48



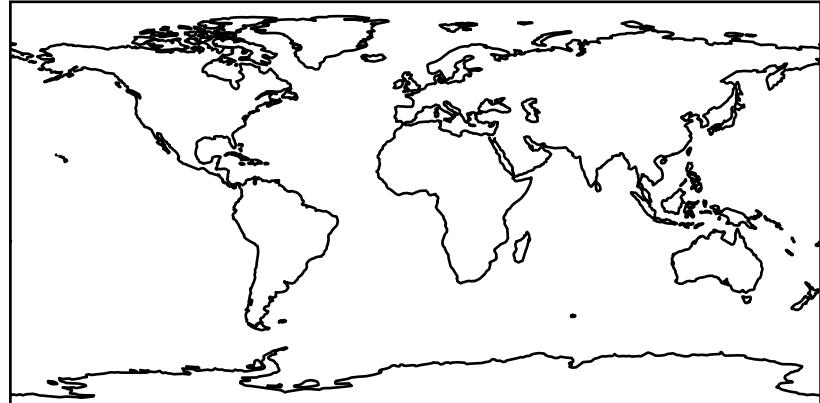
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s-1

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



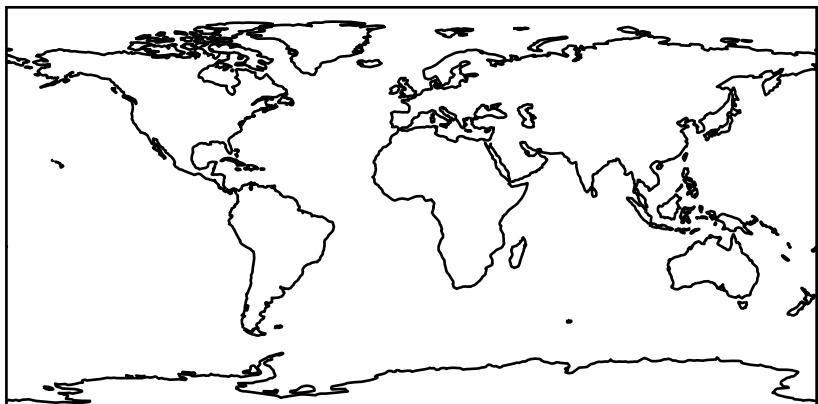
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s-1

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



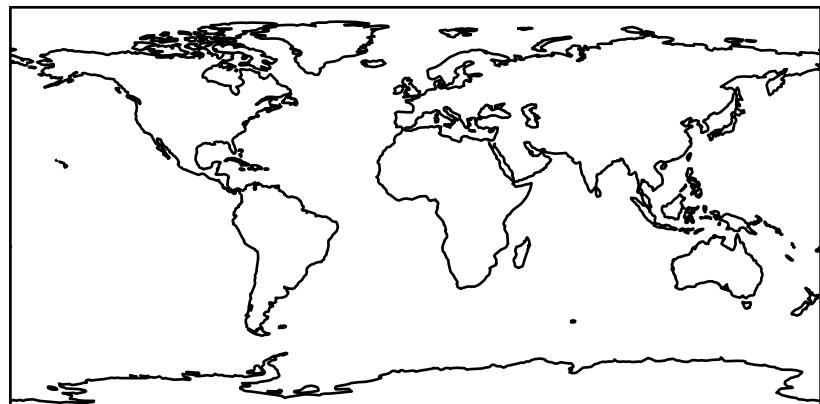
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s-1

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



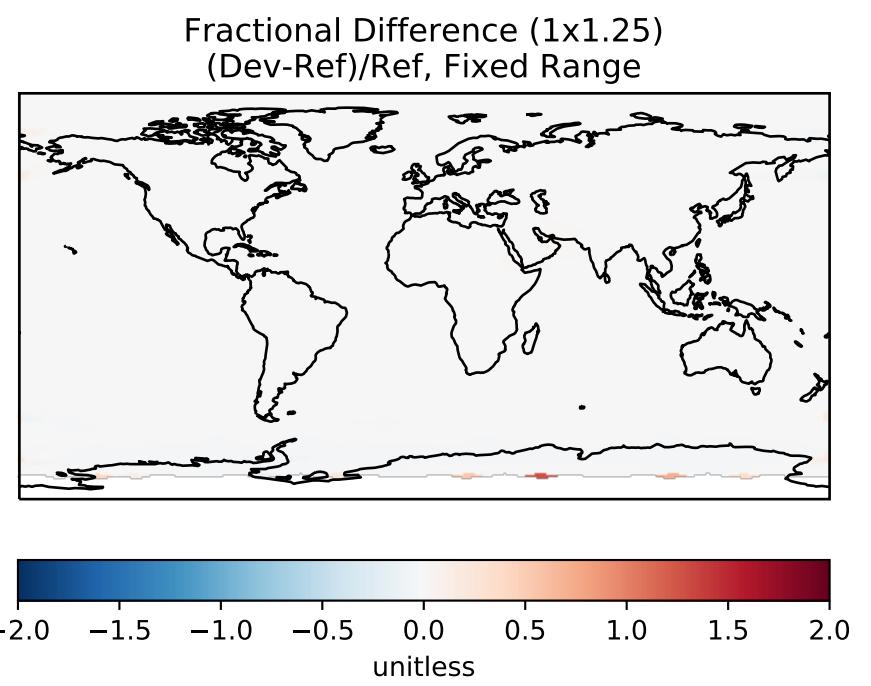
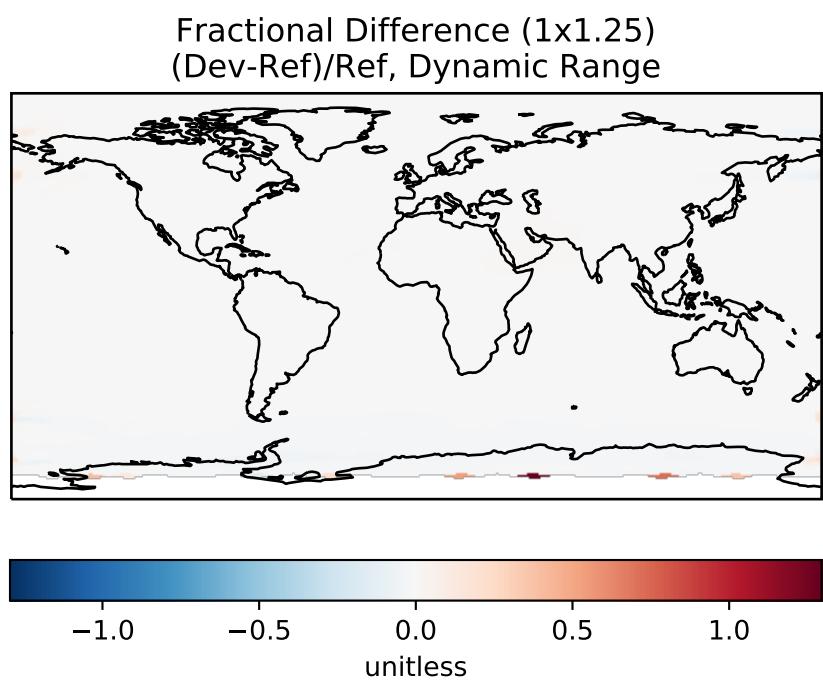
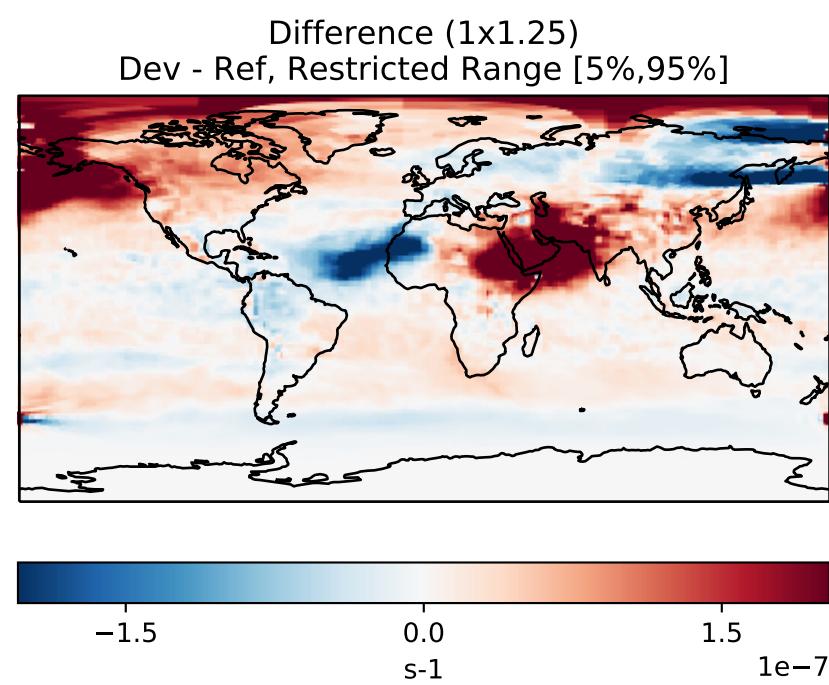
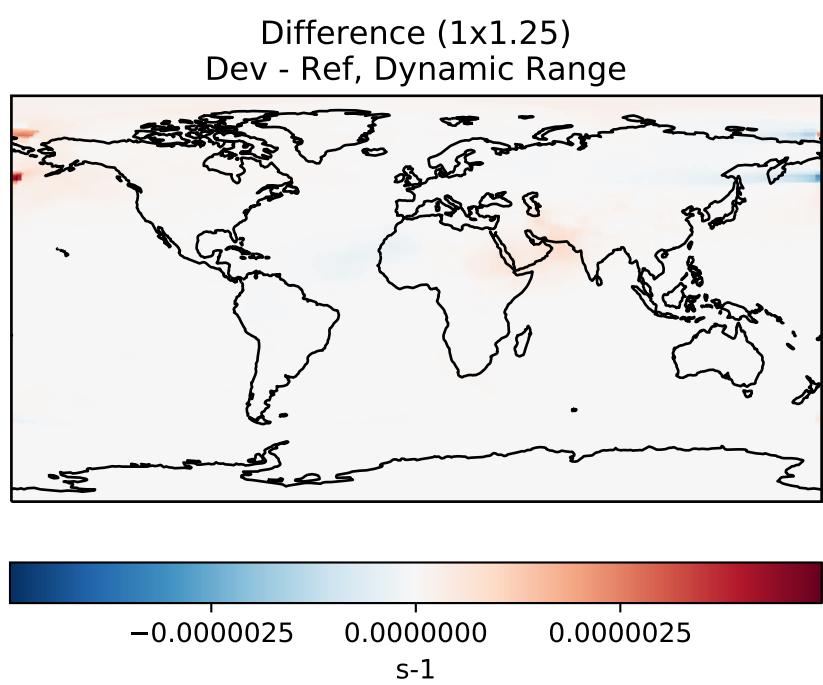
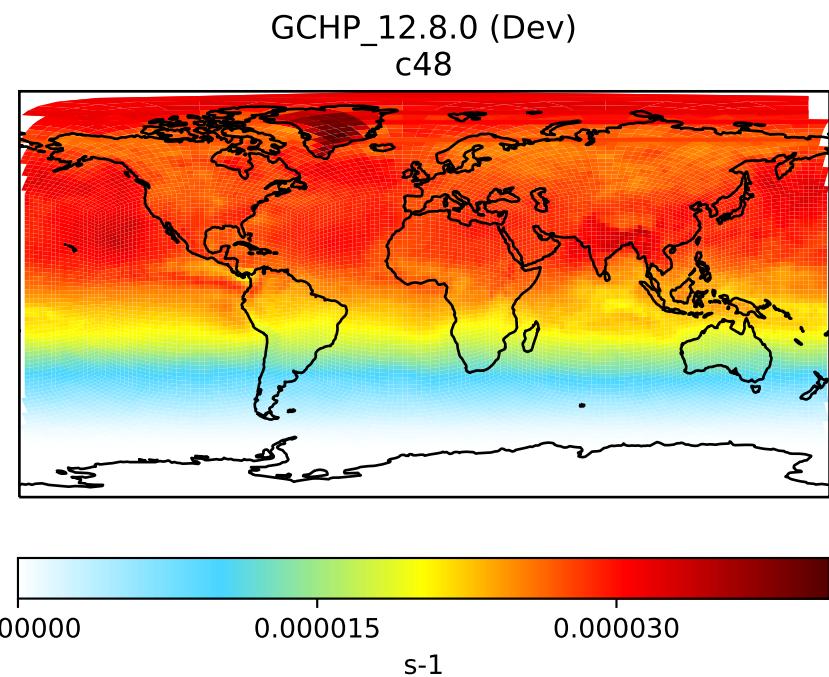
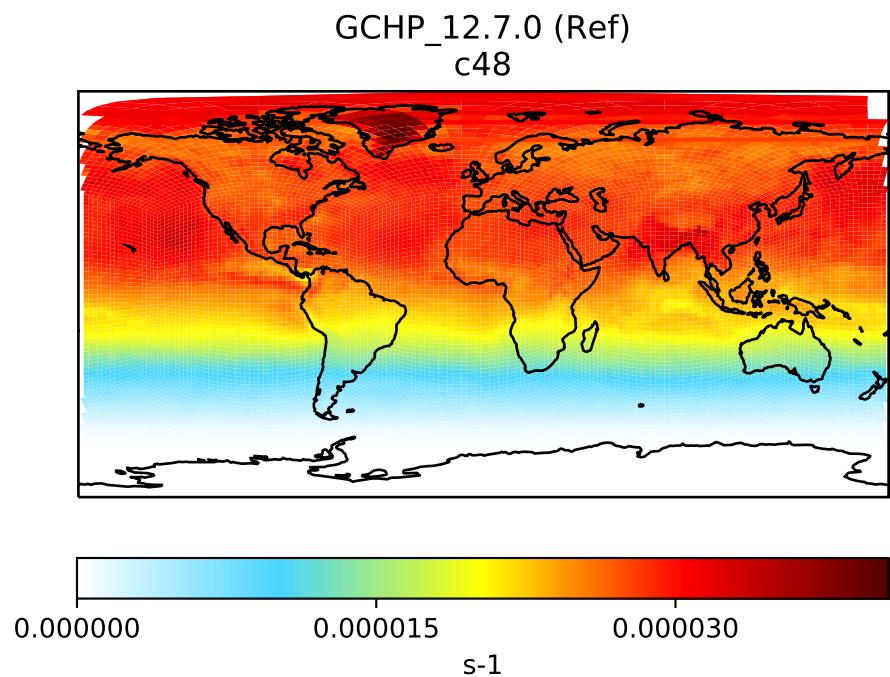
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unitless

Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



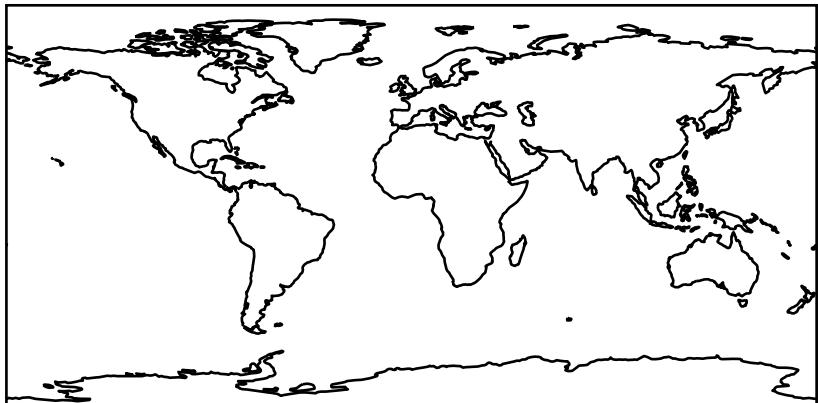
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unitless

Jval_MVKN



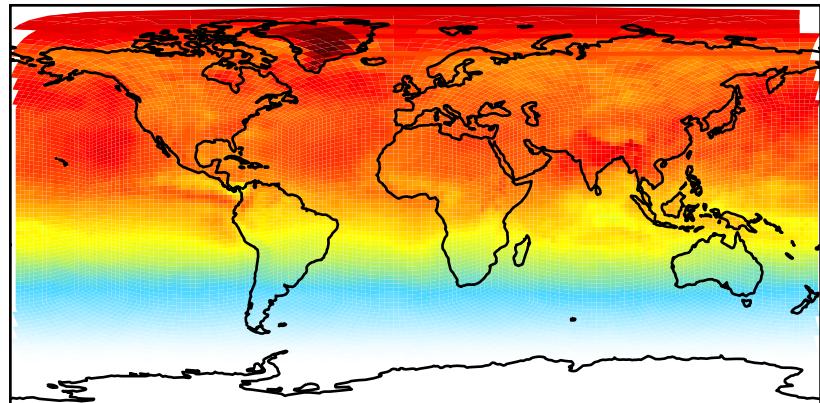
Jval_MVKPC

GCHP_12.7.0 (Ref)
c48



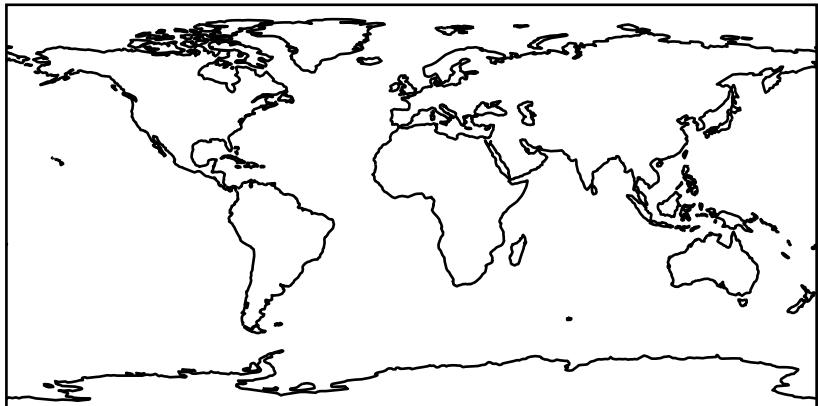
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s-1

GCHP_12.8.0 (Dev)
c48



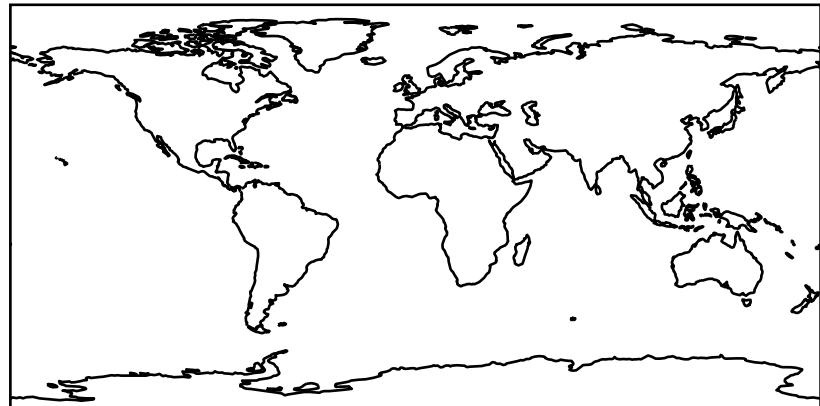
0.000000 0.000015 0.000030 0.000045
s-1

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



Undefined throughout domain
s-1

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



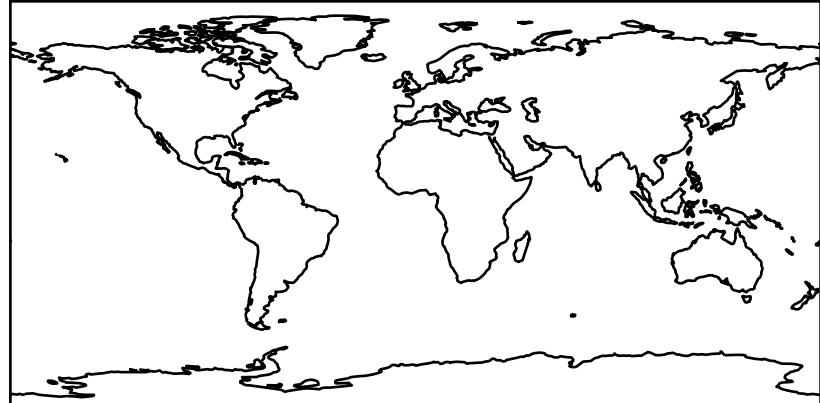
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s-1

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



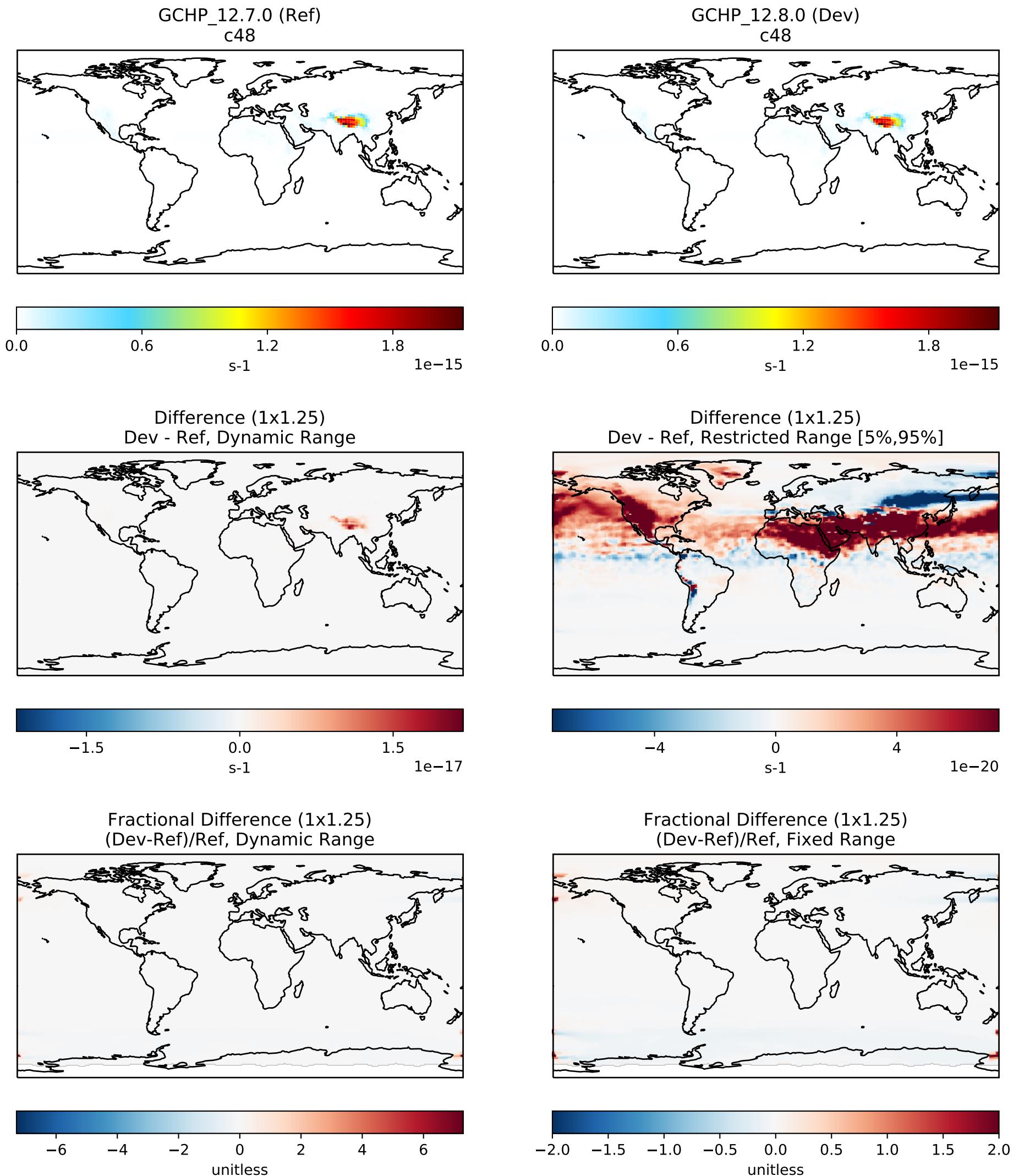
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



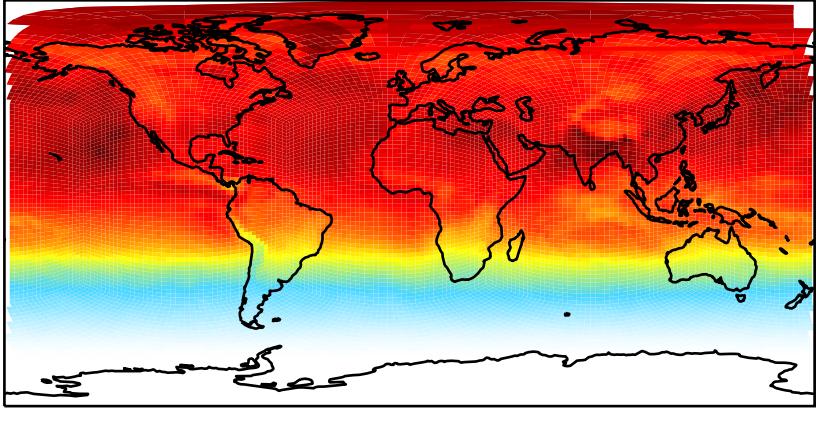
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Jval_N20

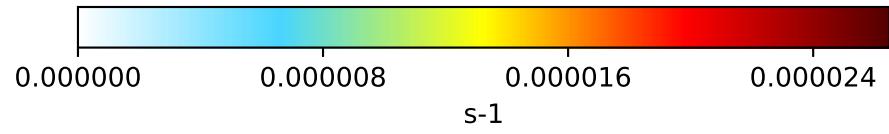
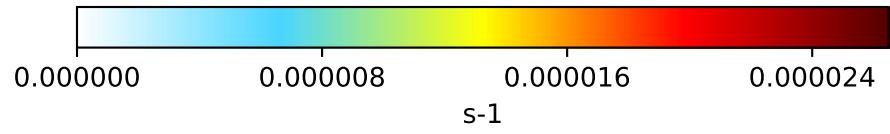
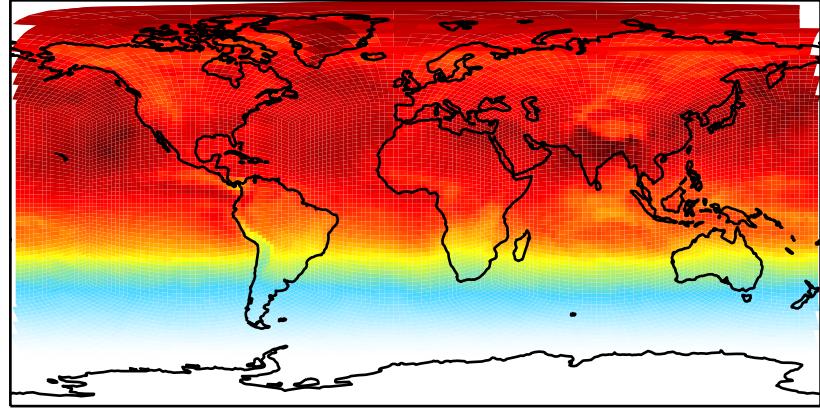


Jval_N205

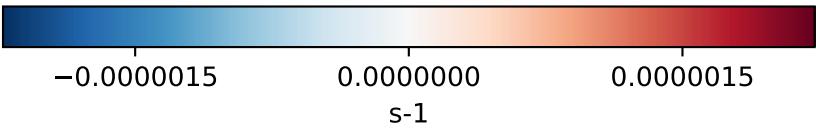
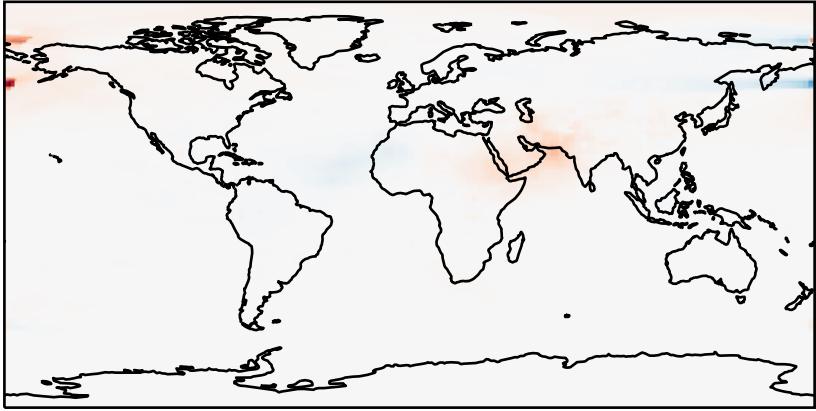
GCHP_12.7.0 (Ref)
c48



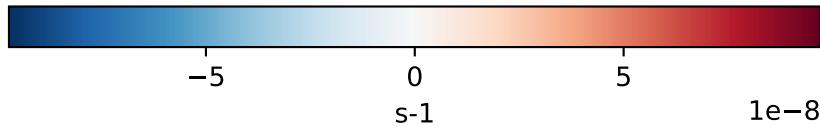
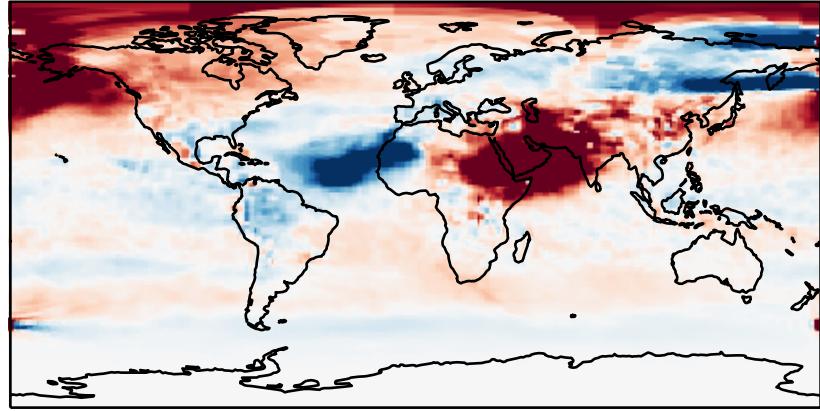
GCHP_12.8.0 (Dev)
c48



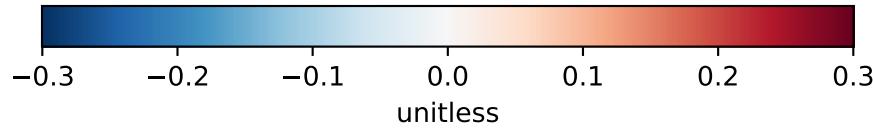
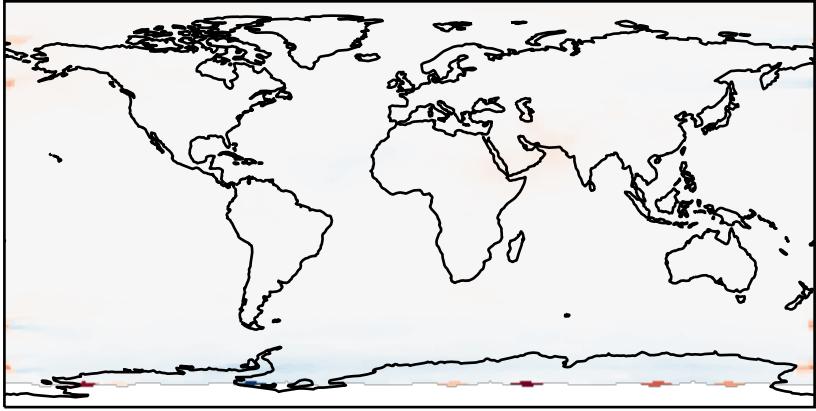
Difference (1x1.25)
Dev - Ref, Dynamic Range



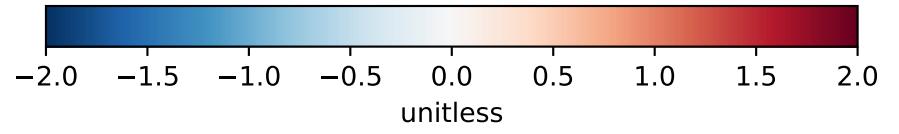
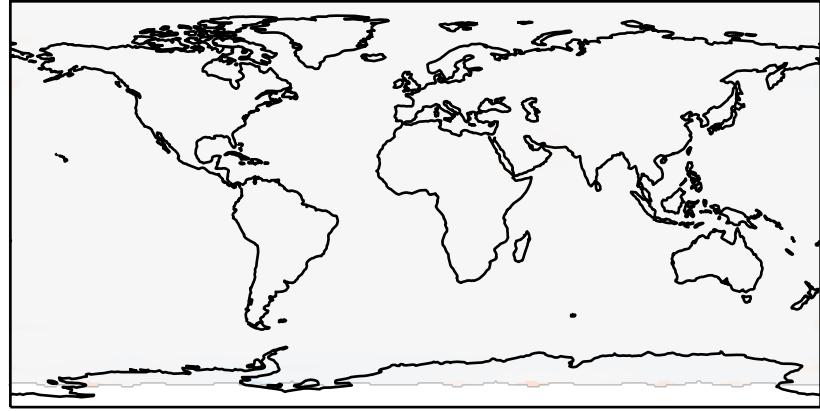
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

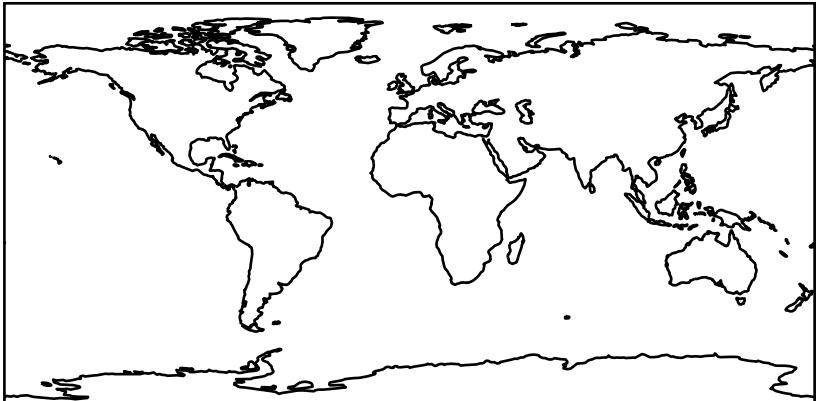


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



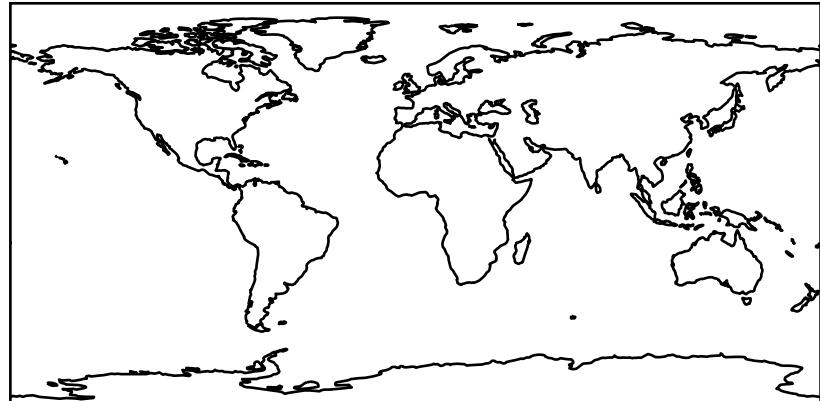
Jval_NIT

GCHP_12.7.0 (Ref)
c48



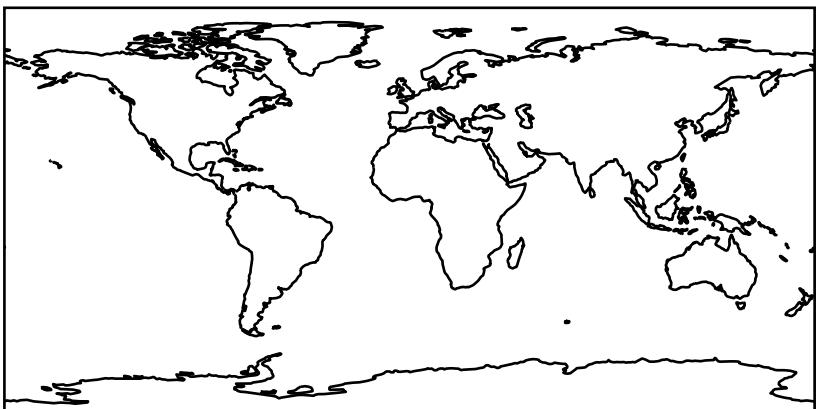
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s-1

GCHP_12.8.0 (Dev)
c48



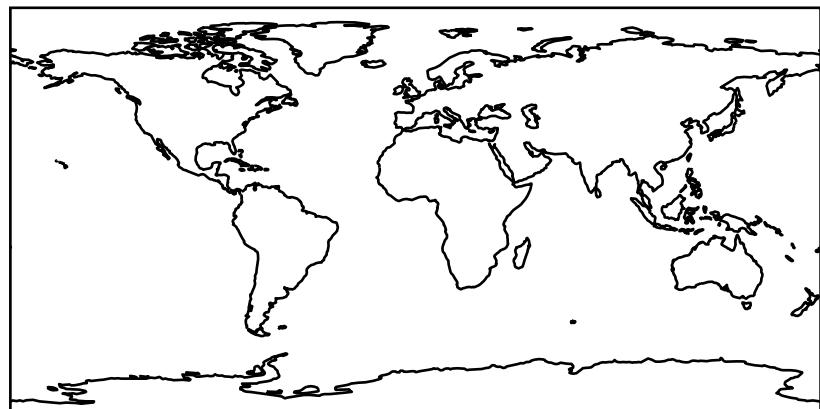
Zero throughout domain
s-1

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



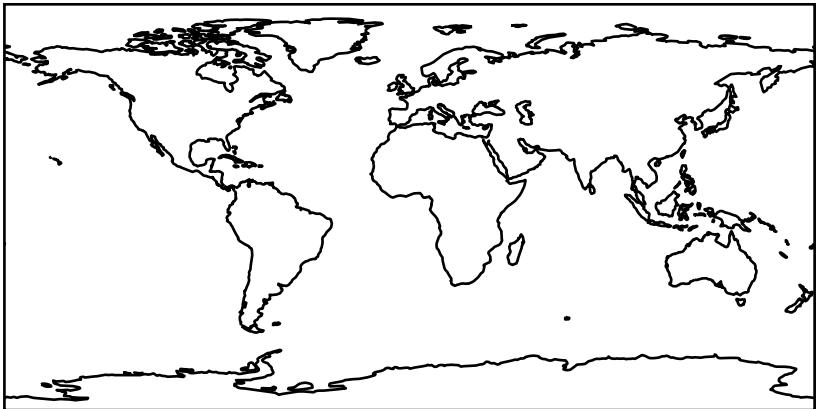
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s-1

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



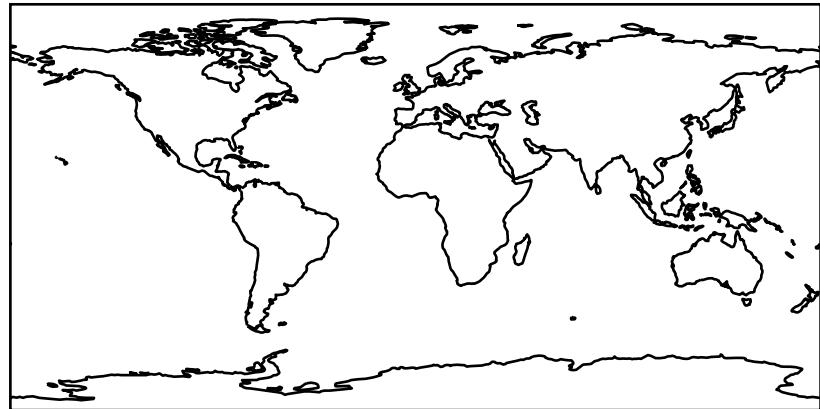
Undefined throughout domain
s-1

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



Undefined throughout domain
unitless

Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



Undefined throughout domain
unitless

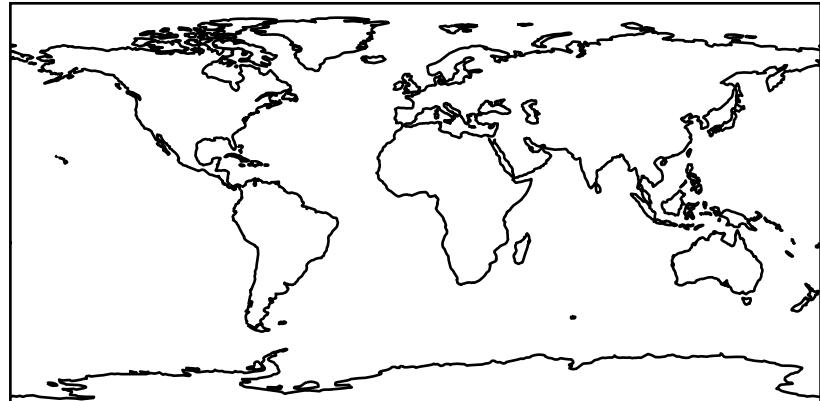
Jval_NITS

GCHP_12.7.0 (Ref)
c48



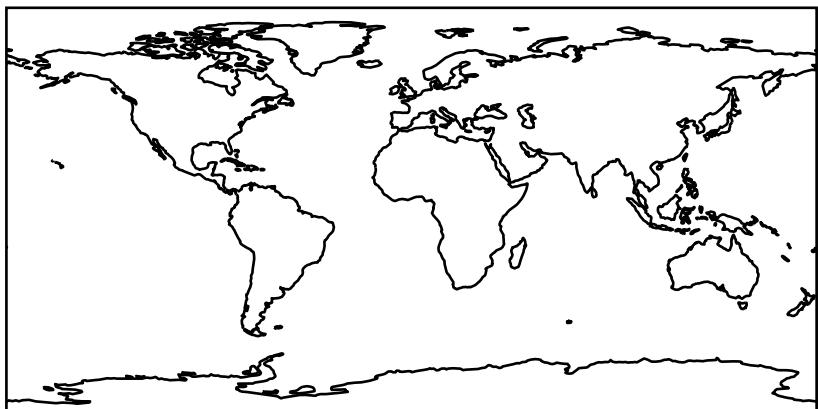
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s-1

GCHP_12.8.0 (Dev)
c48



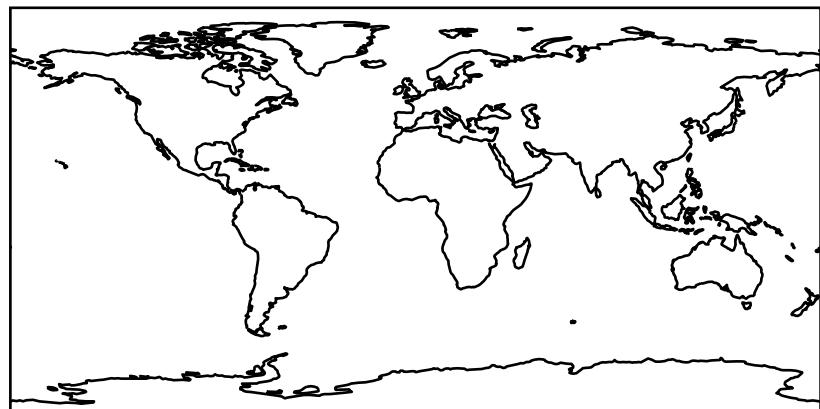
Zero throughout domain
s-1

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



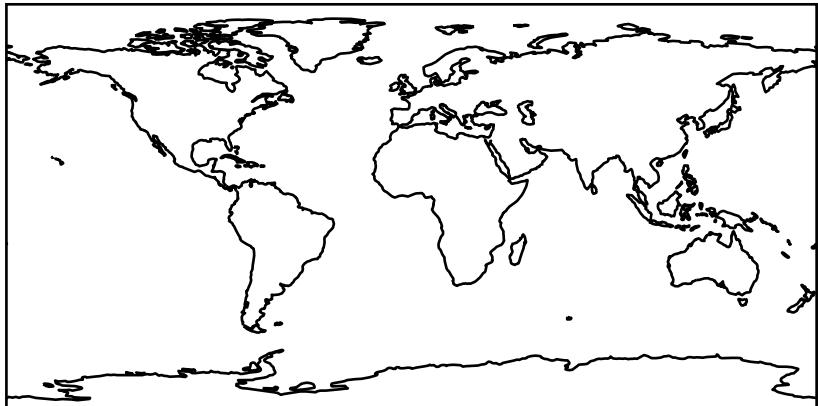
Undefined throughout domain
s-1

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



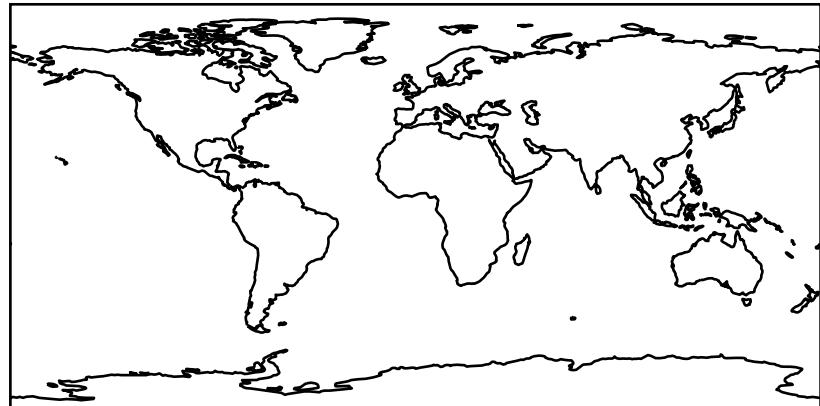
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s-1

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



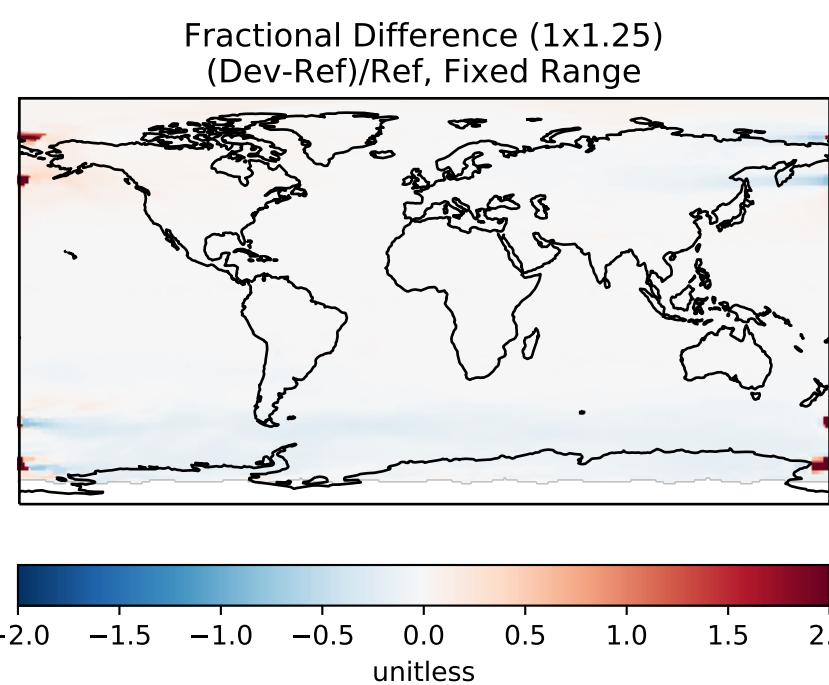
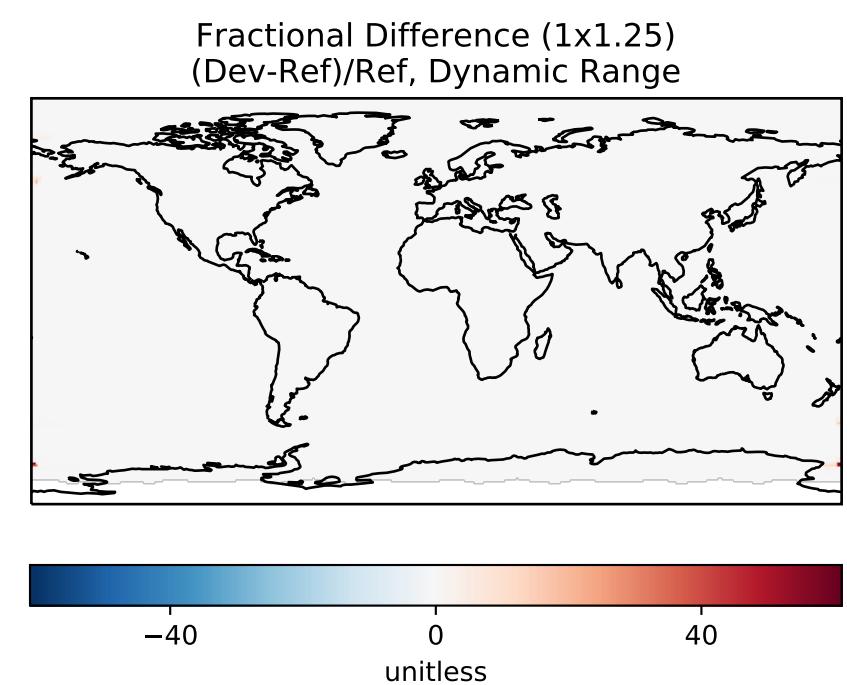
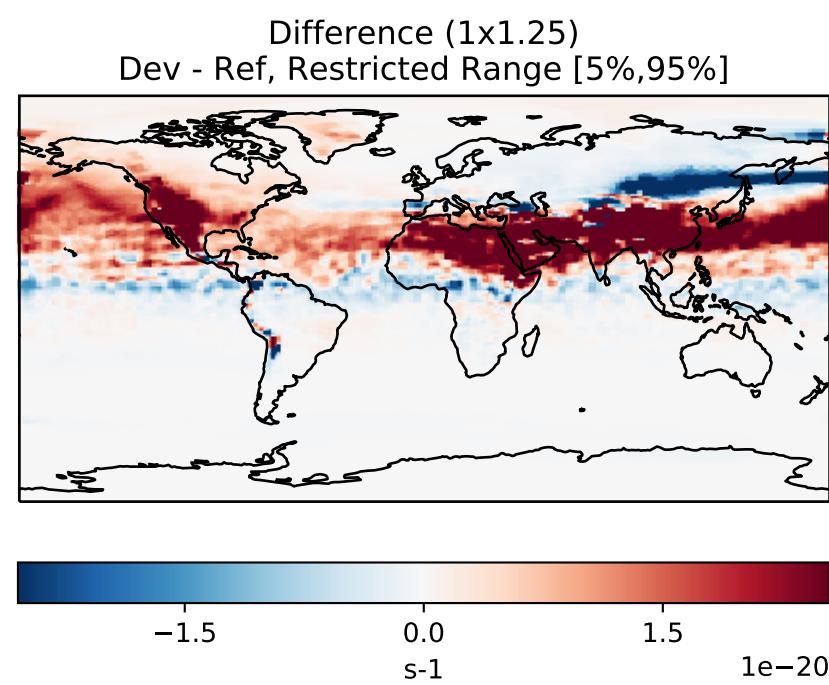
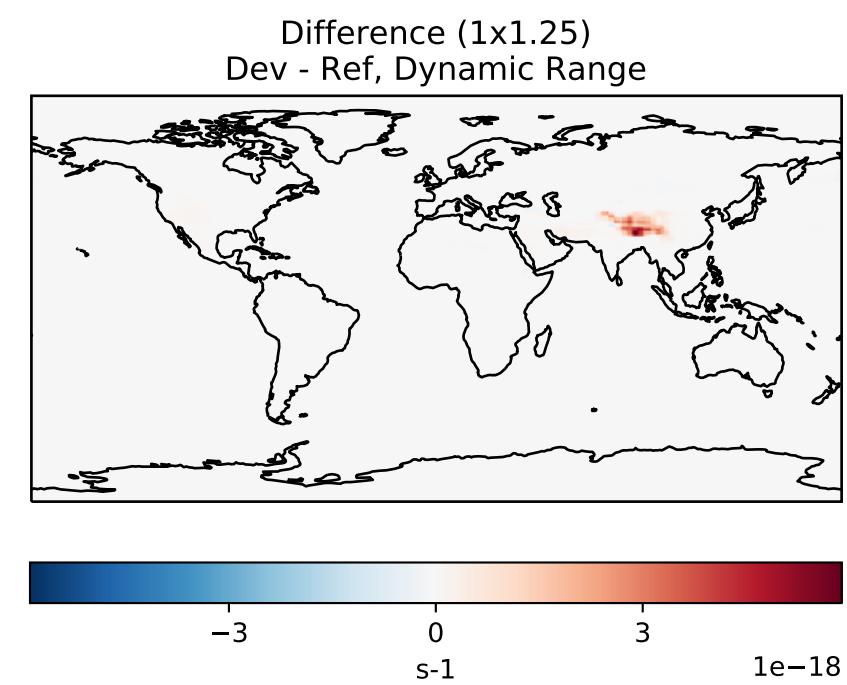
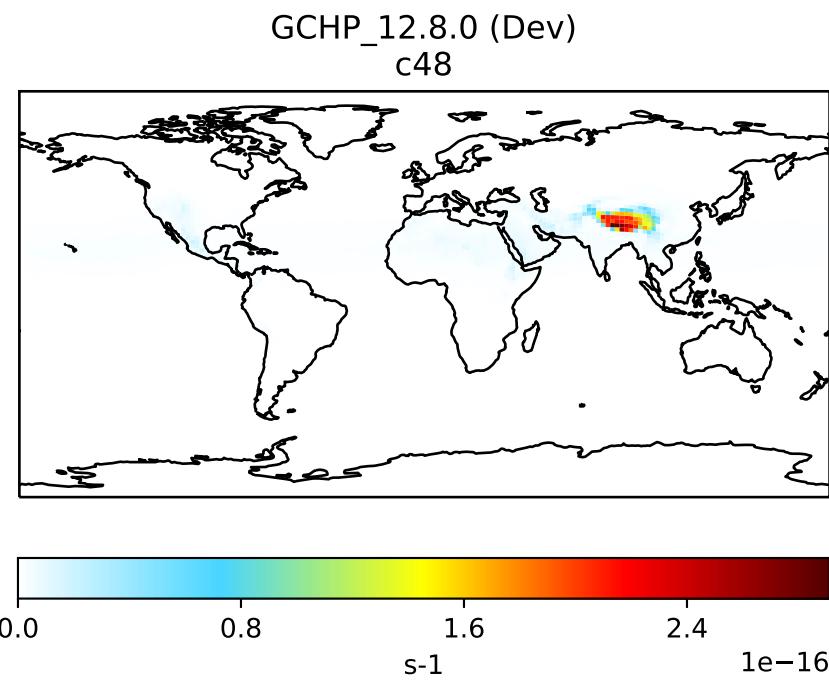
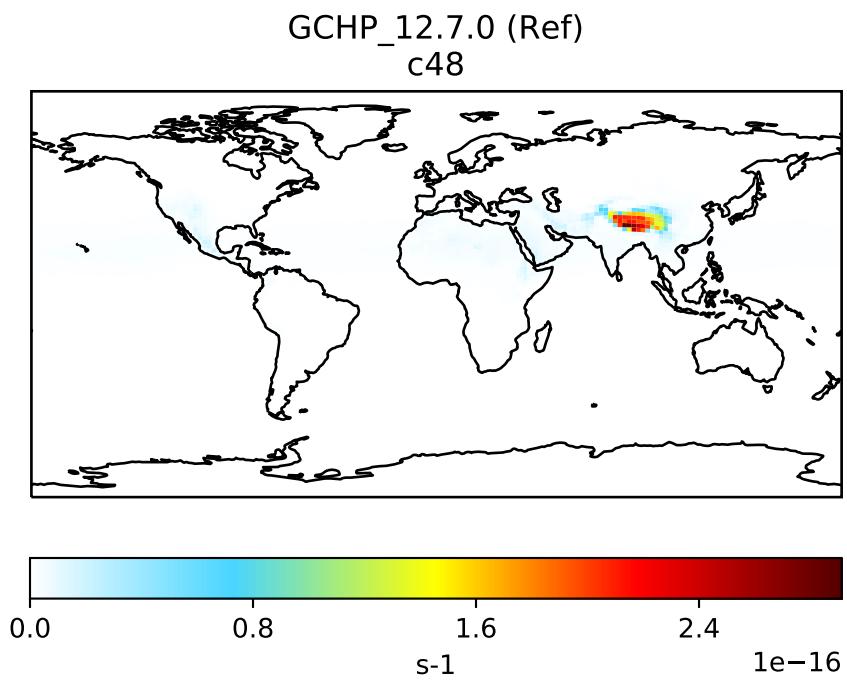
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



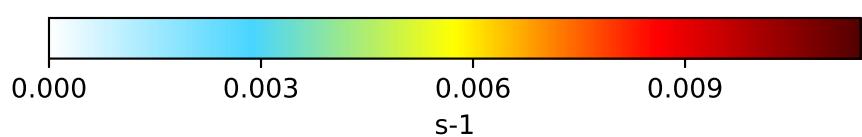
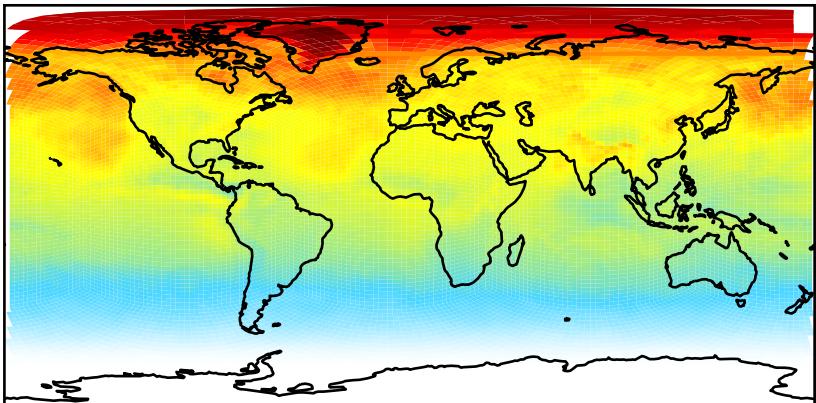
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unitless

Jval_NO

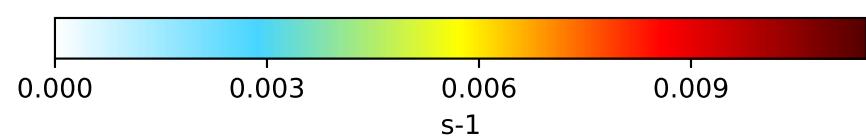
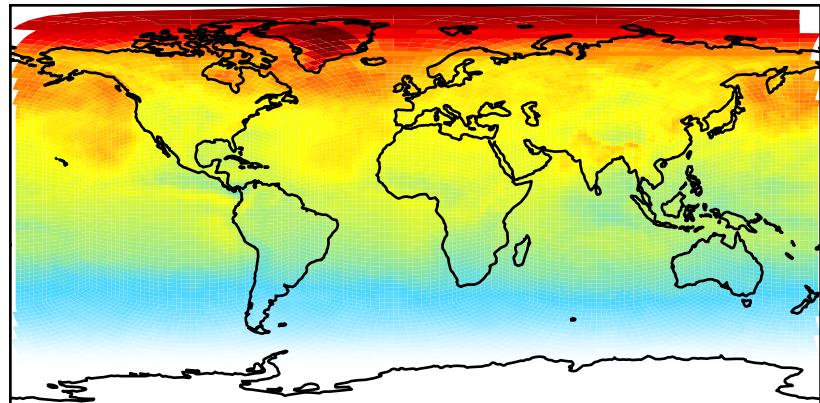


Jval_NO2

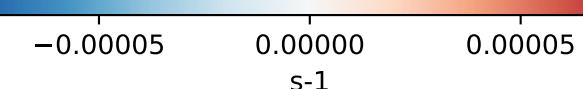
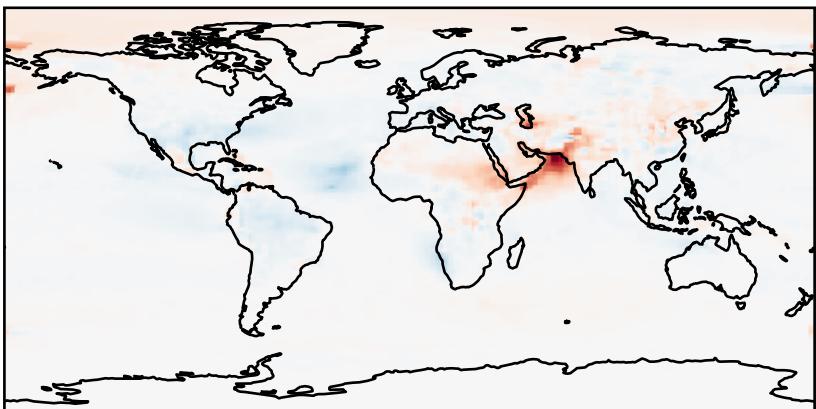
GCHP_12.7.0 (Ref)
c48



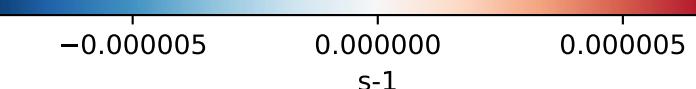
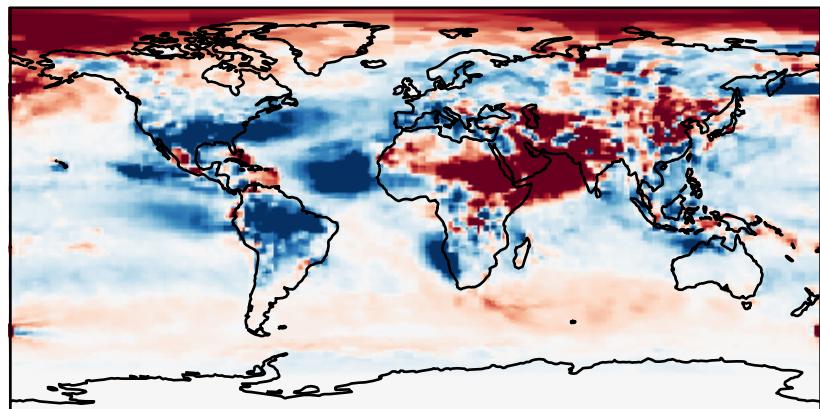
GCHP_12.8.0 (Dev)
c48



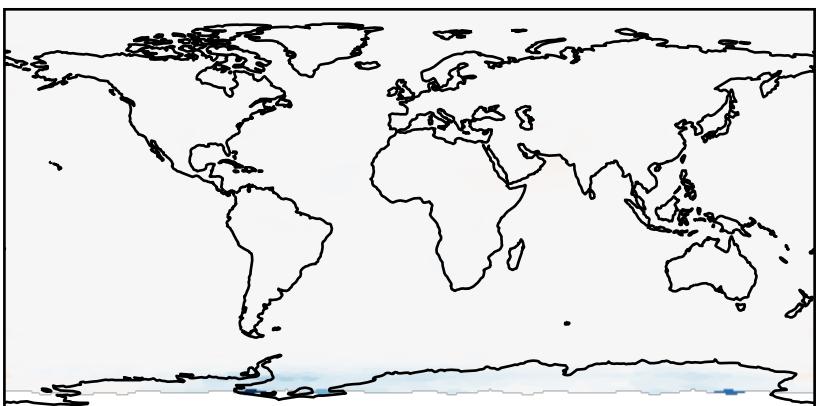
Difference (1x1.25)
Dev - Ref, Dynamic Range



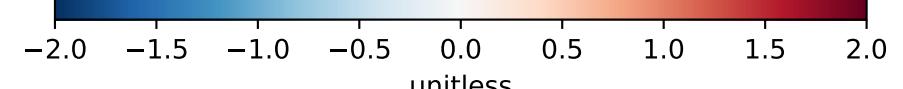
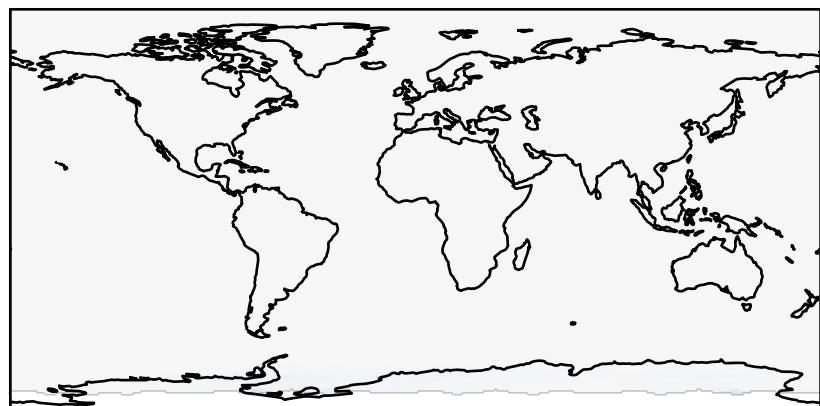
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

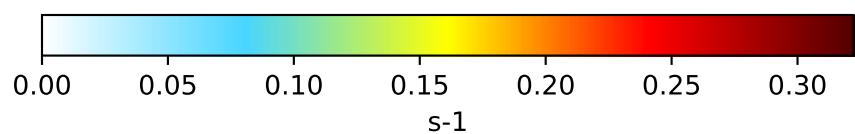
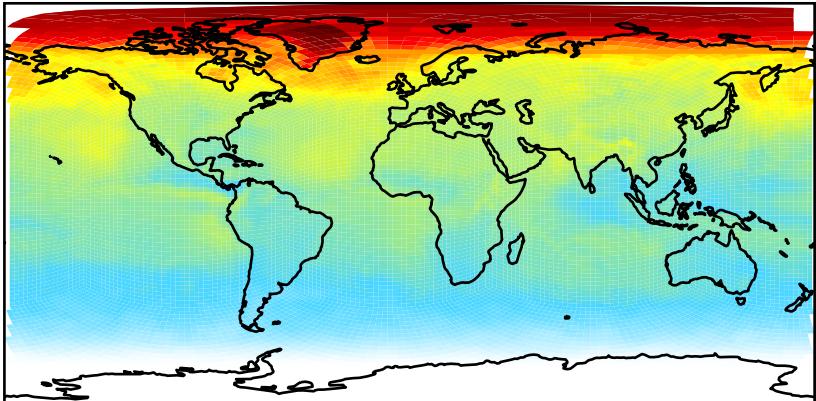


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

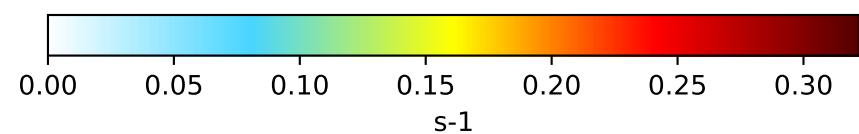
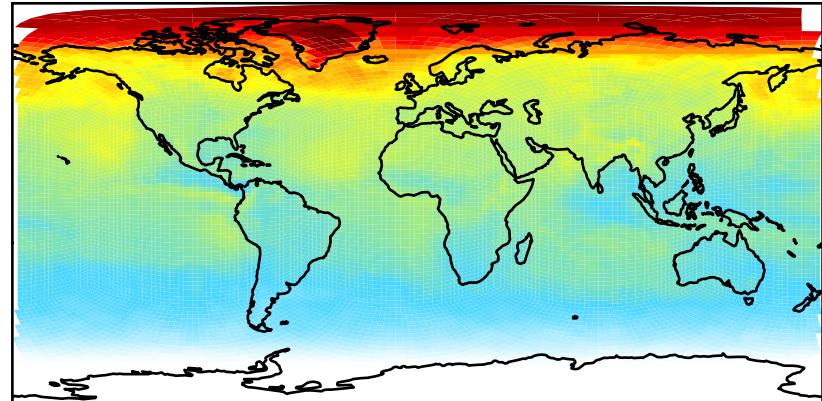


Jval_N03

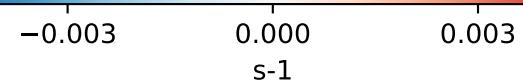
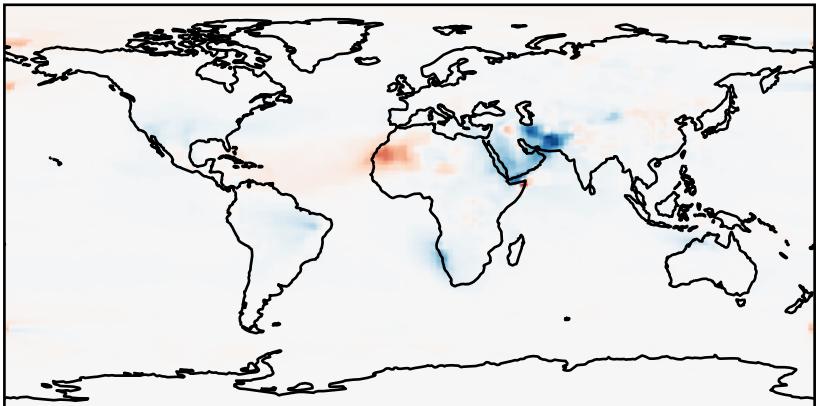
GCHP_12.7.0 (Ref)
c48



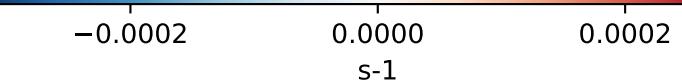
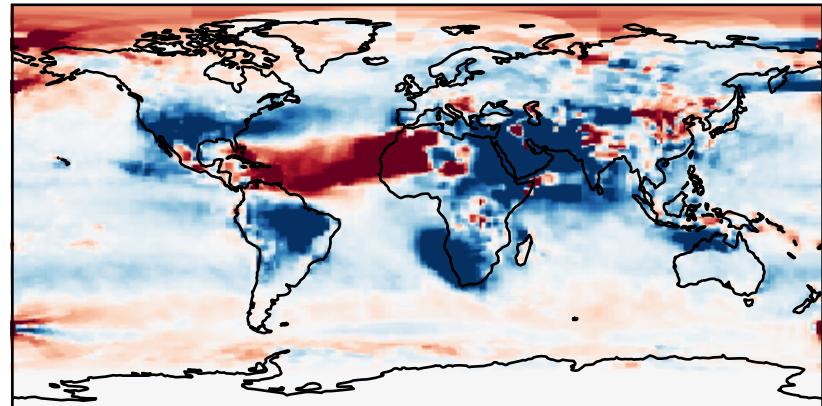
GCHP_12.8.0 (Dev)
c48



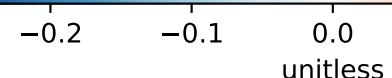
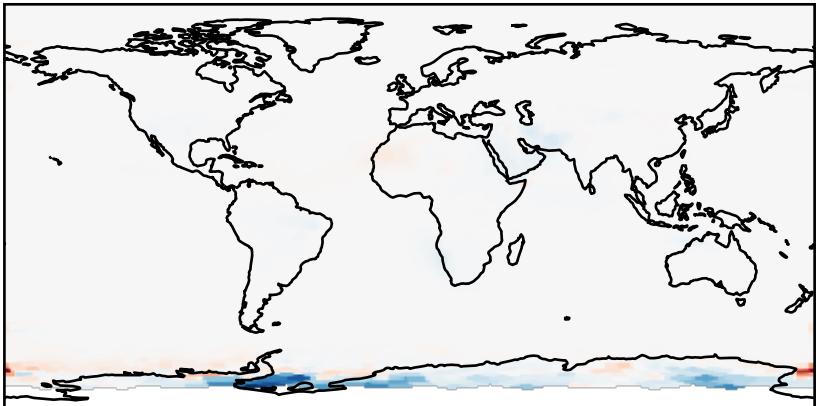
Difference (1x1.25)
Dev - Ref, Dynamic Range



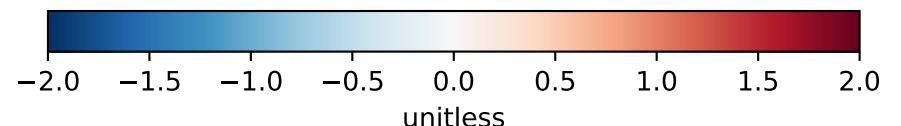
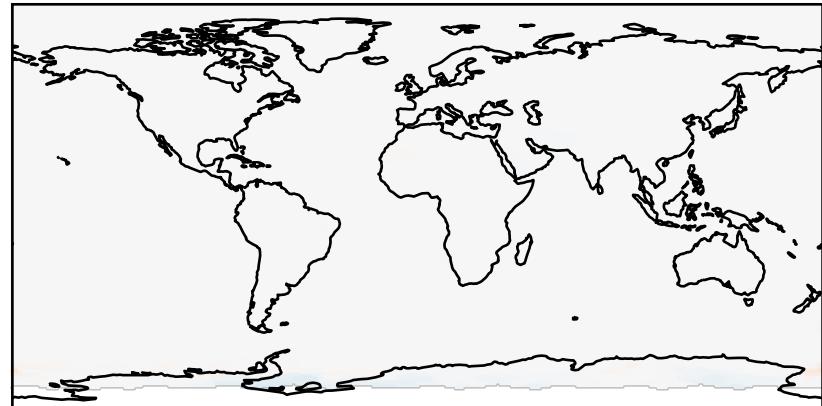
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

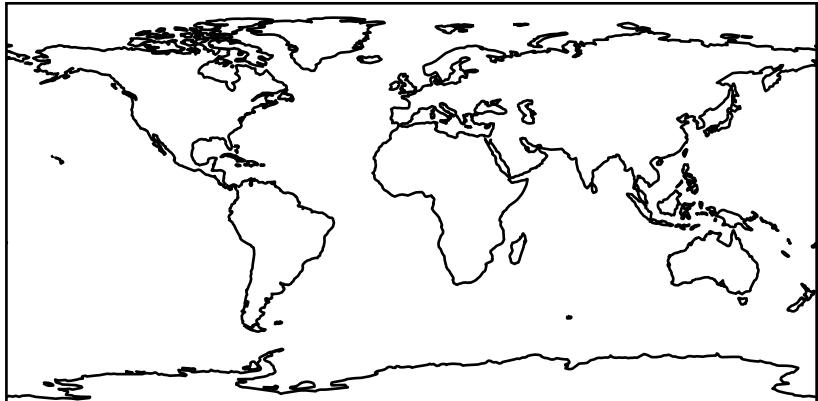


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



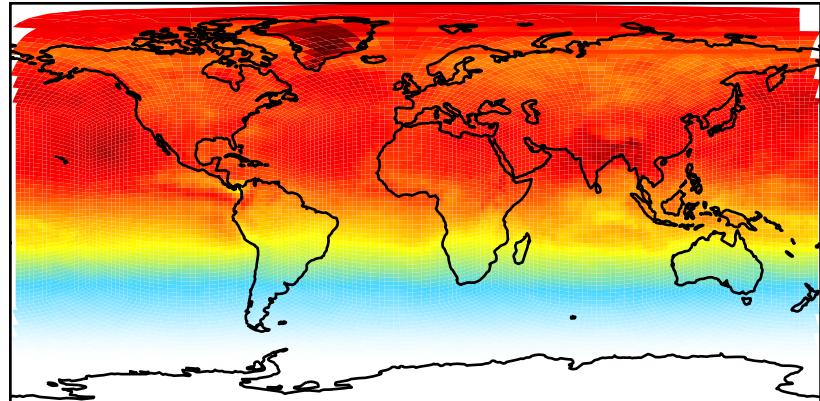
Jval_NPRNO3

GCHP_12.7.0 (Ref)
c48



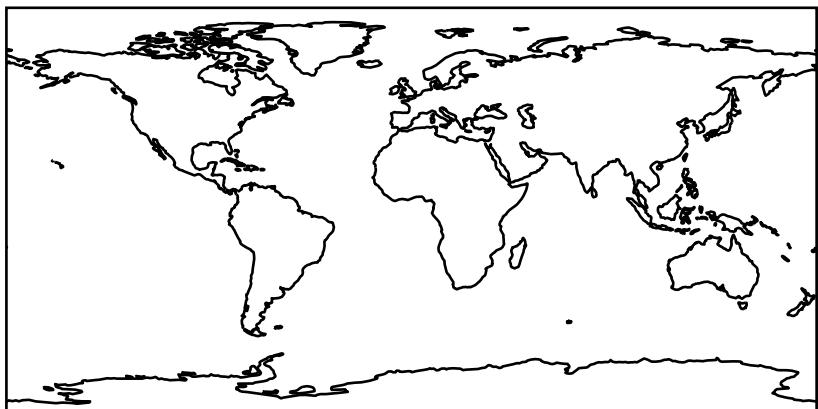
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s-1

GCHP_12.8.0 (Dev)
c48



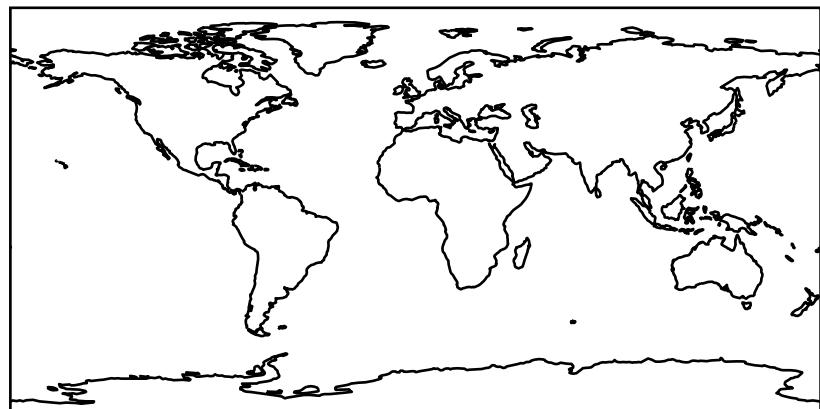
0.0000000 0.0000005 0.0000010 0.0000015
s-1

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



Undefined throughout domain
s-1

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



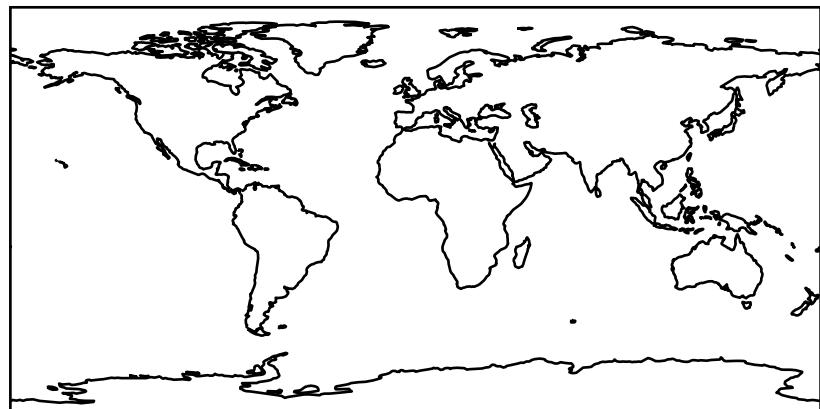
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s-1

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



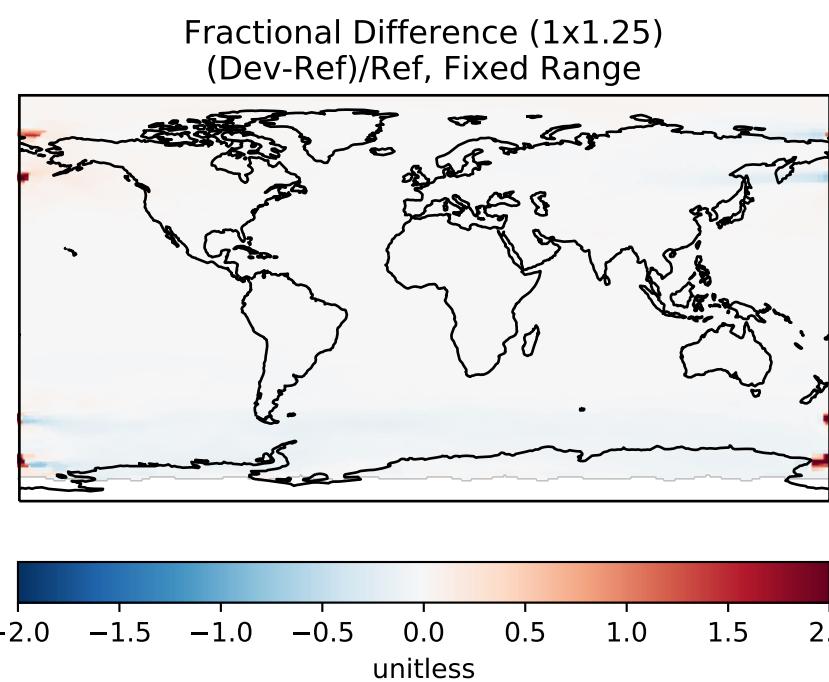
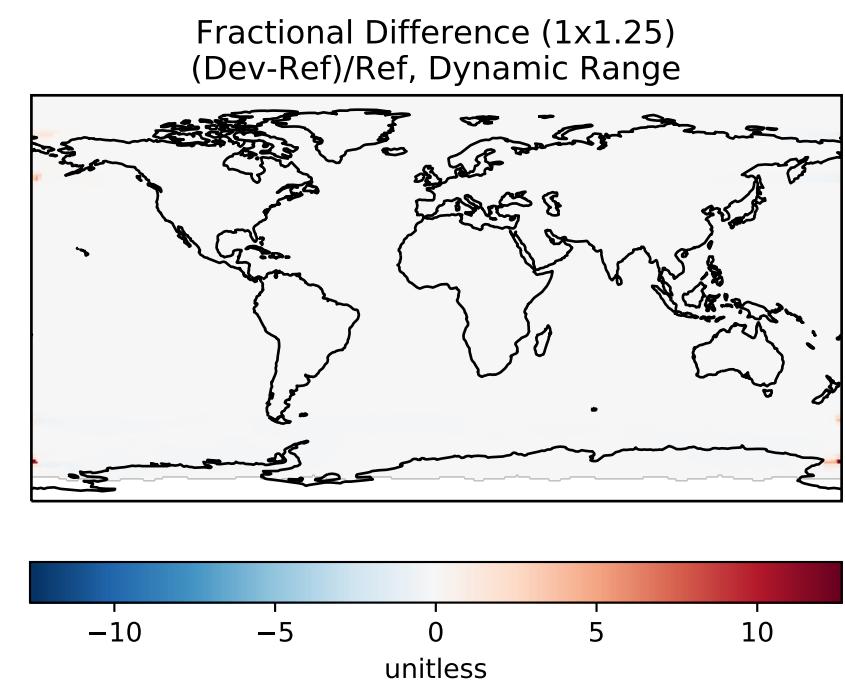
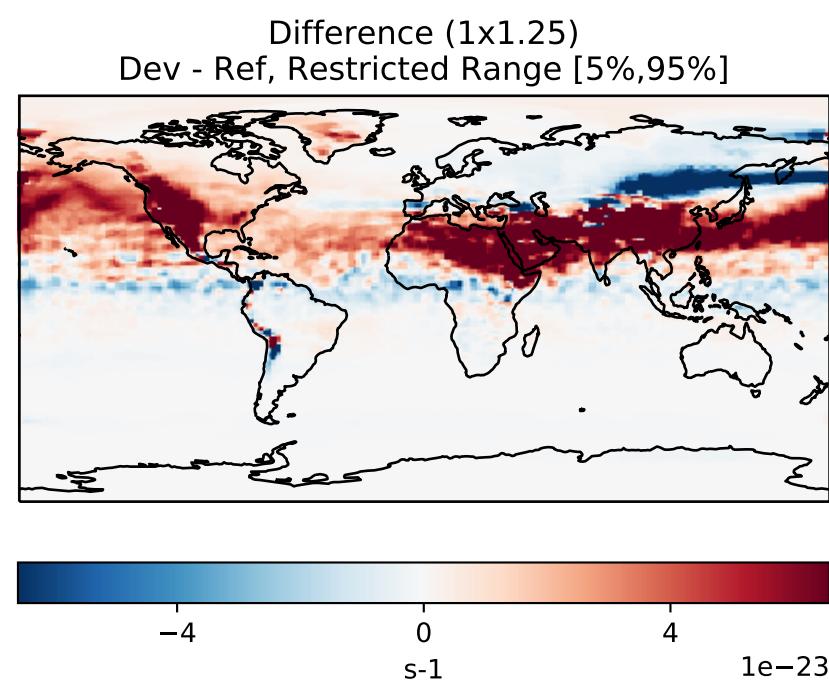
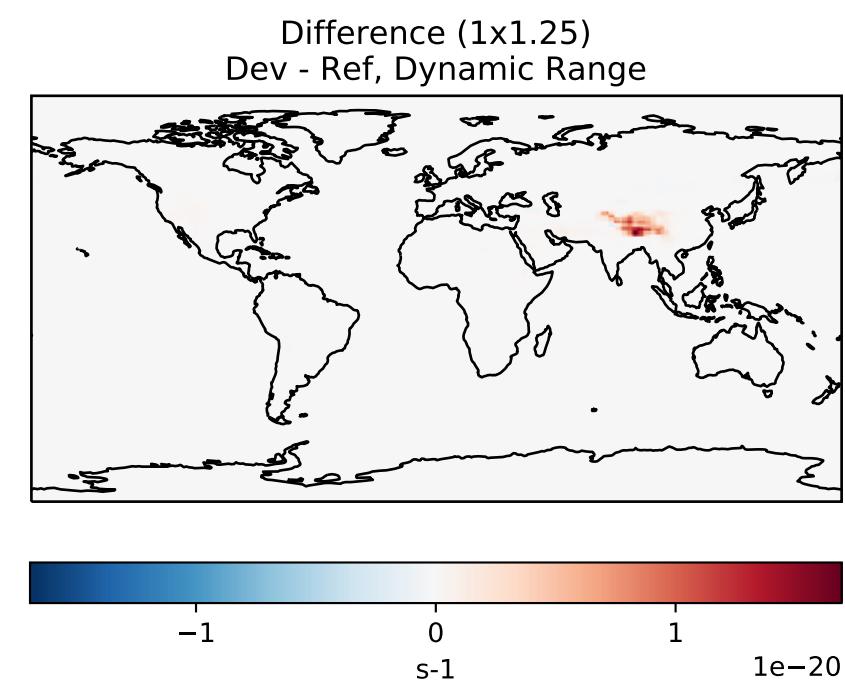
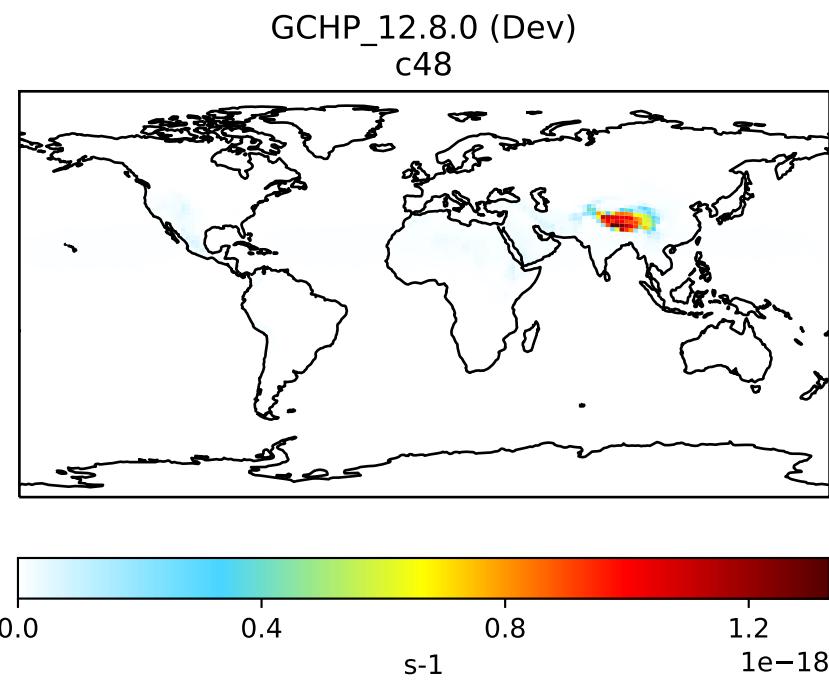
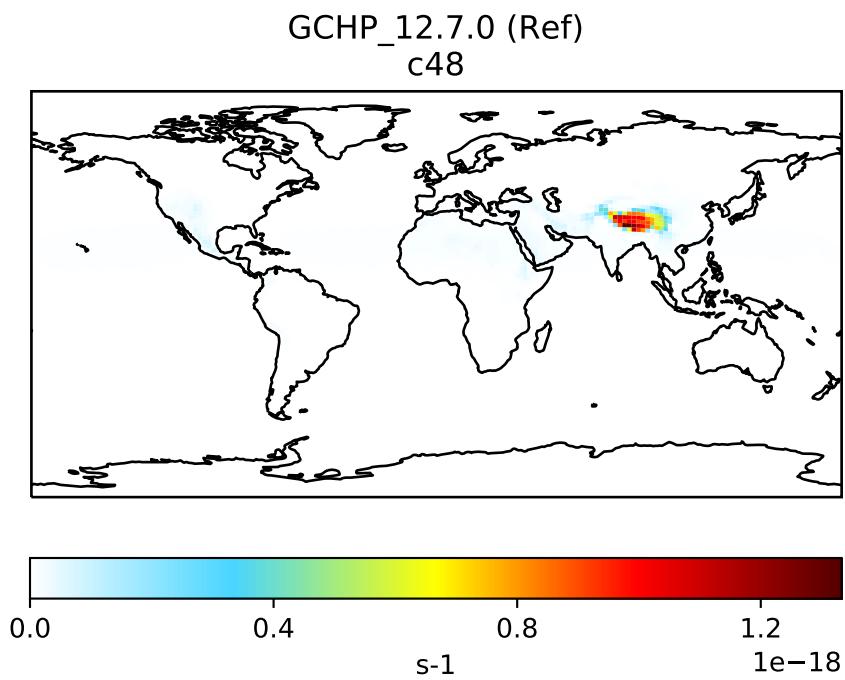
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



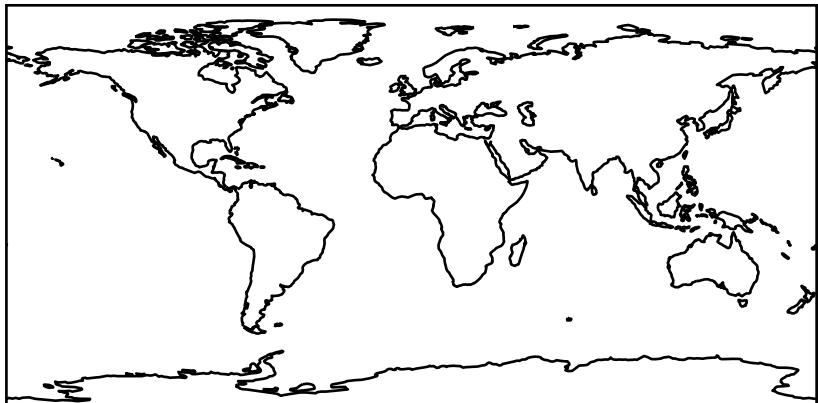
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Jval_O2



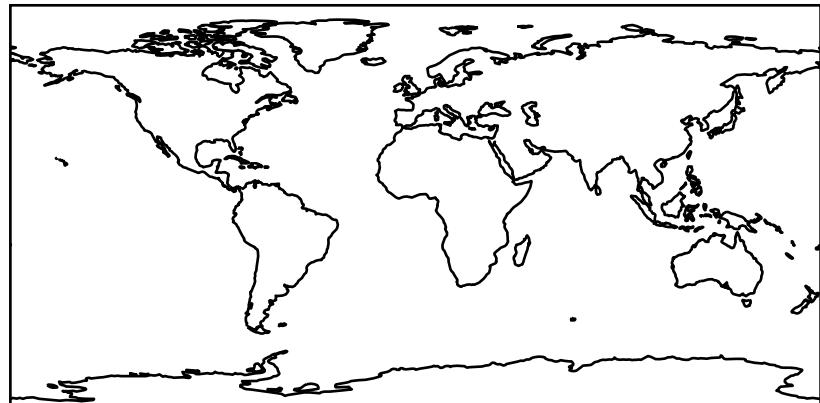
Jval_O3

GCHP_12.7.0 (Ref)
c48



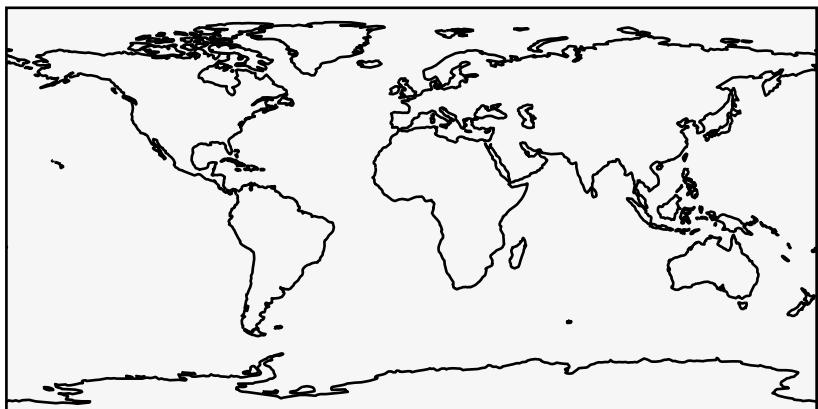
Zero throughout domain
s-1

GCHP_12.8.0 (Dev)
c48



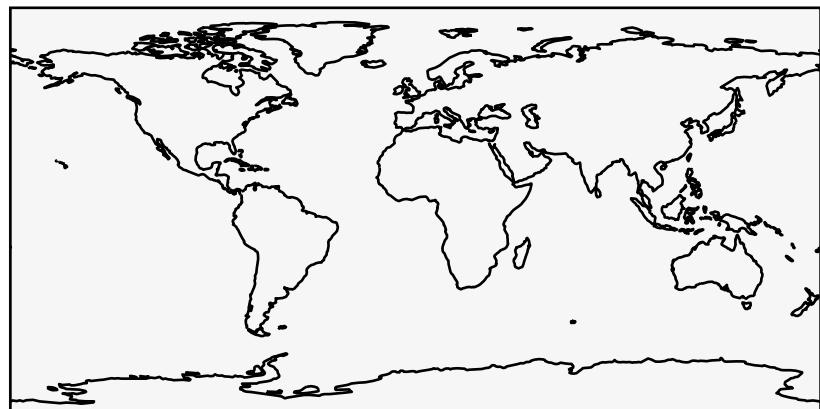
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s-1

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



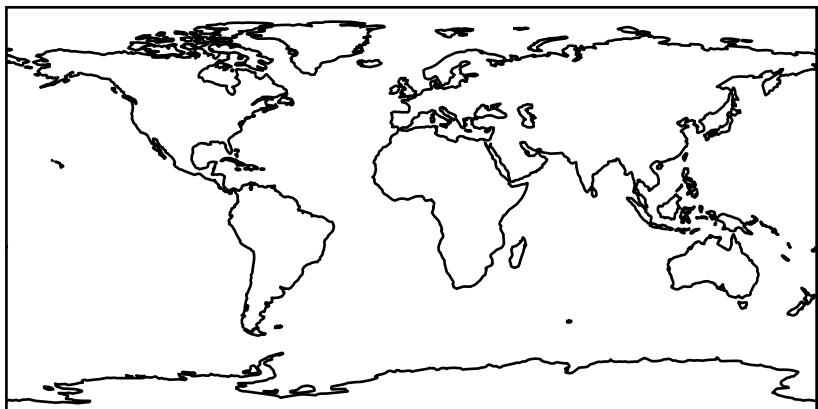
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s-1

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



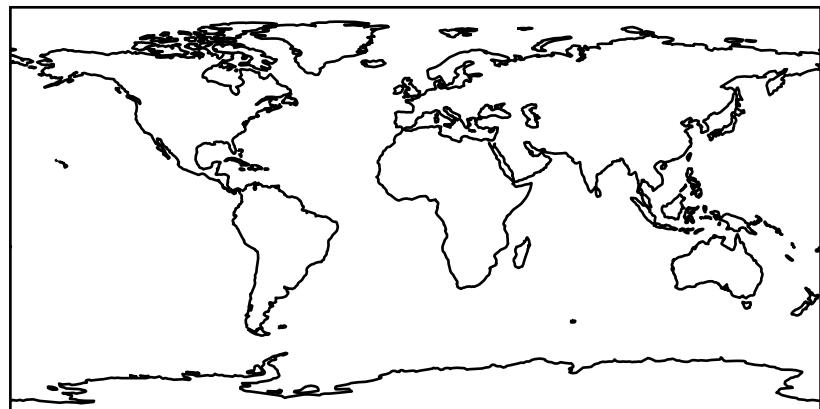
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s-1

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



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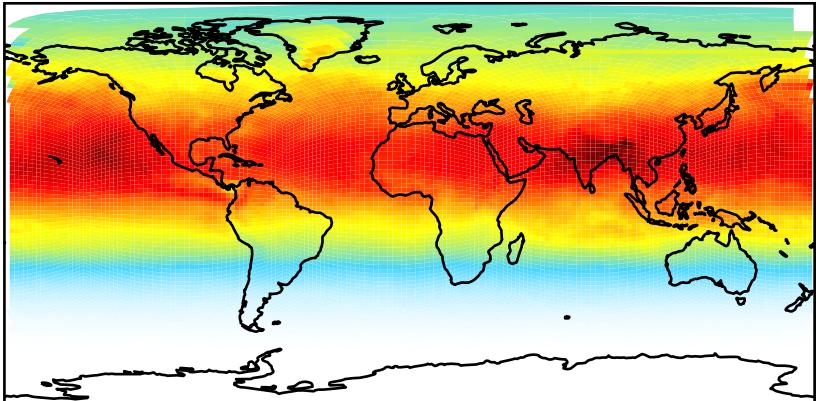
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



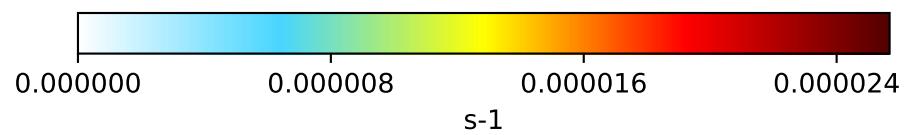
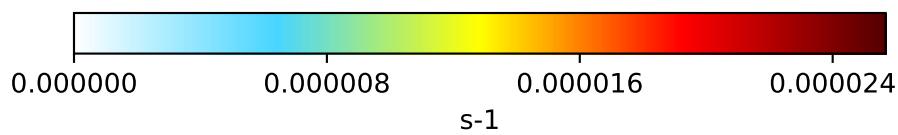
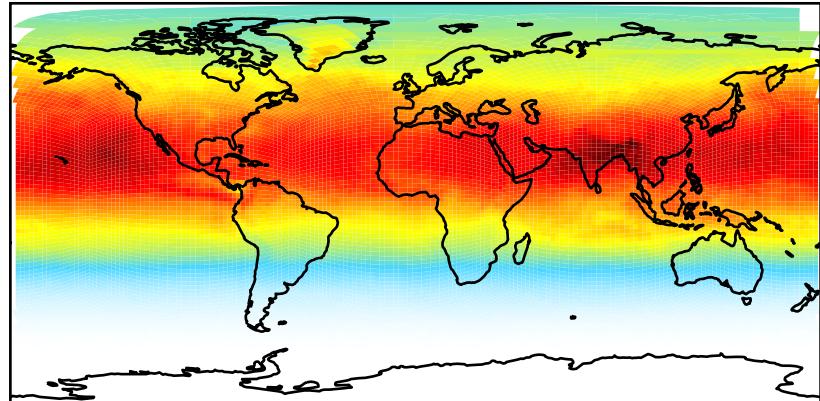
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Jval_0301D

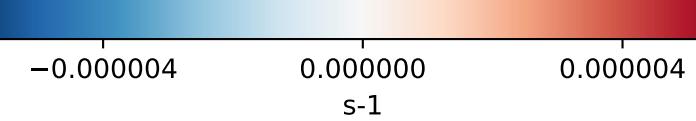
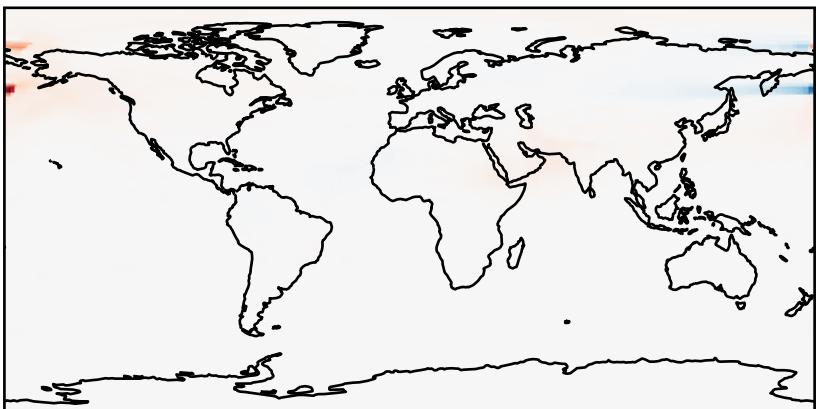
GCHP_12.7.0 (Ref)
c48



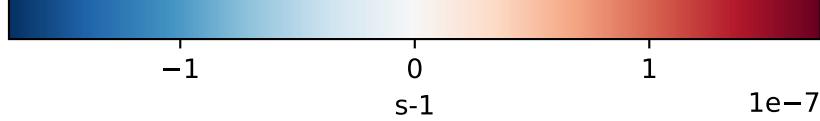
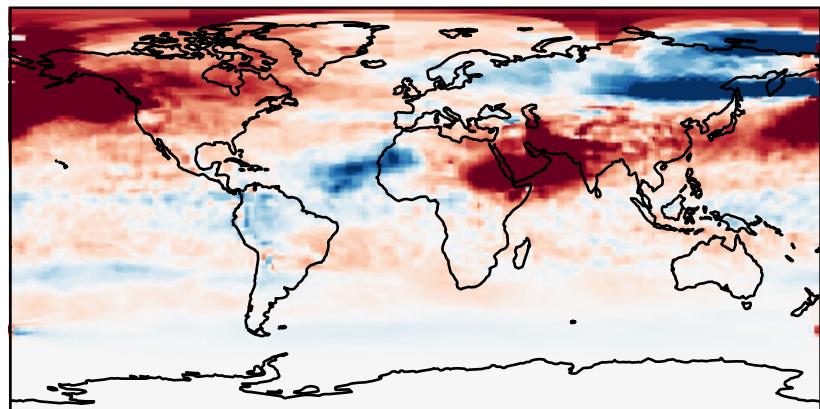
GCHP_12.8.0 (Dev)
c48



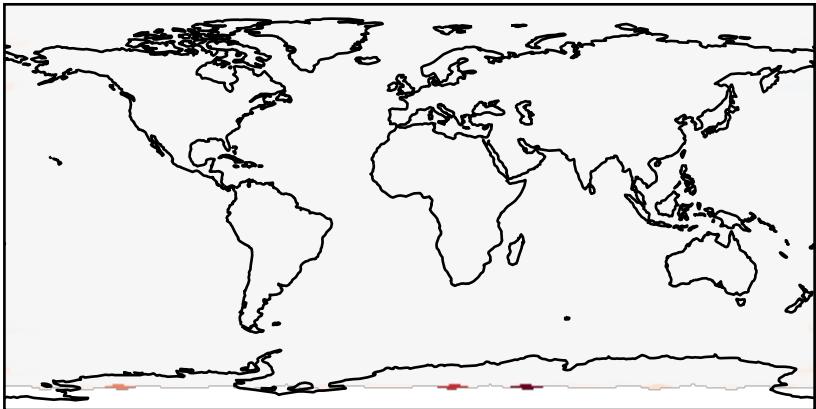
Difference (1x1.25)
Dev - Ref, Dynamic Range



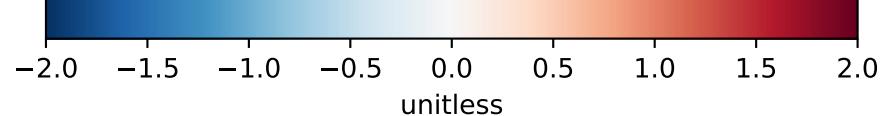
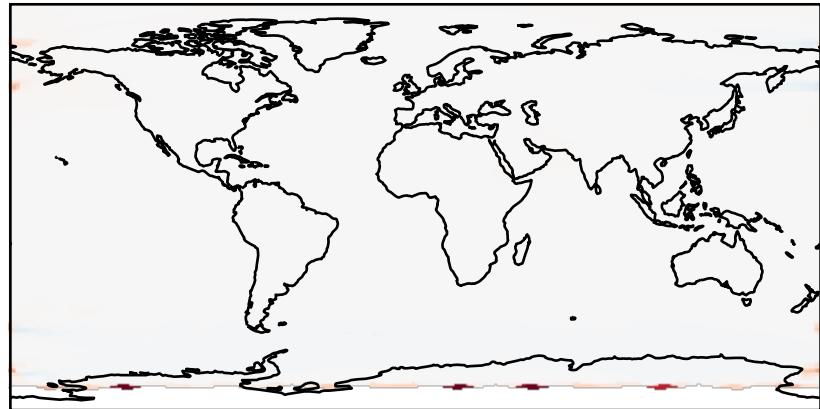
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

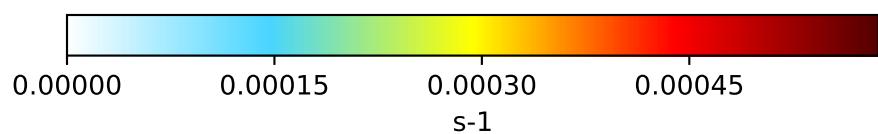
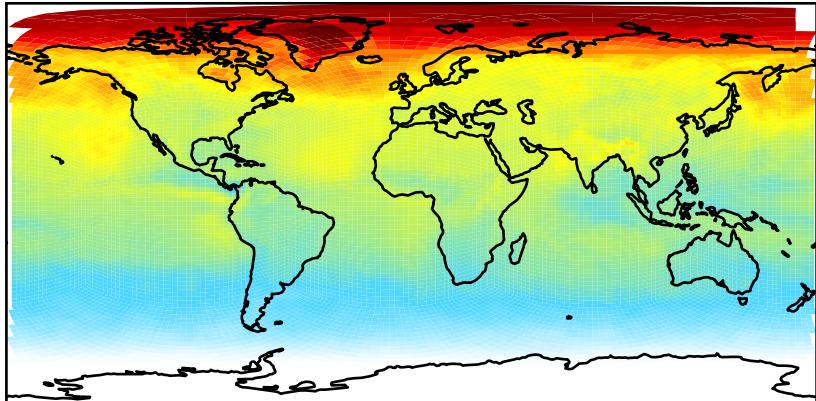


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

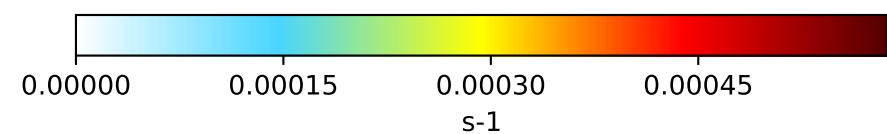
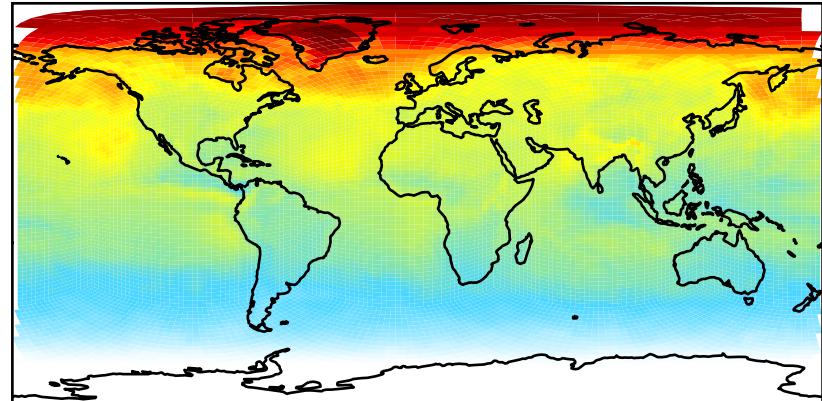


Jval_0303P

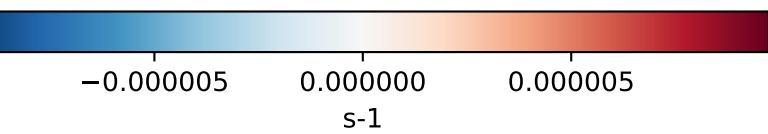
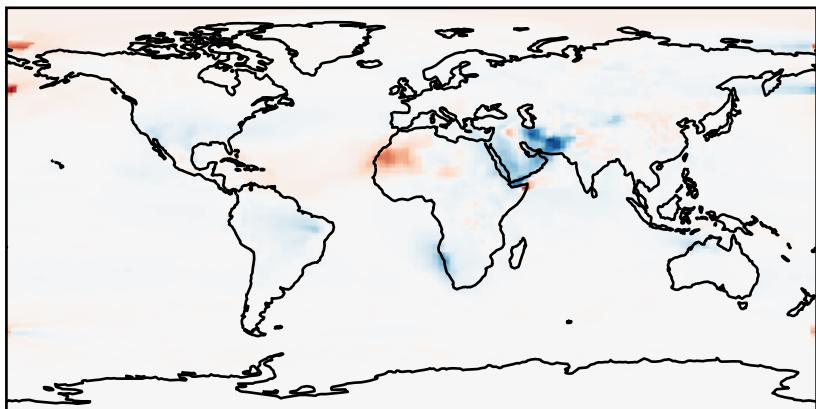
GCHP_12.7.0 (Ref)
c48



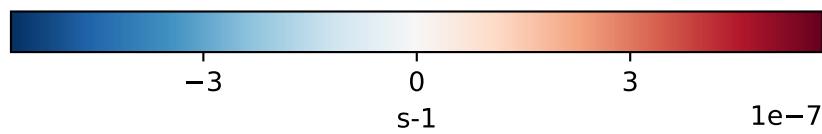
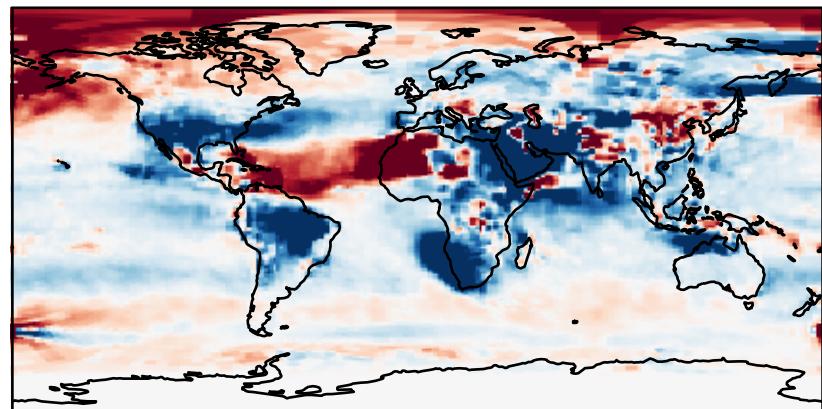
GCHP_12.8.0 (Dev)
c48



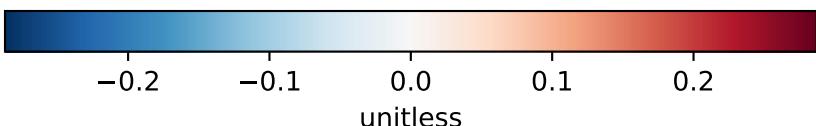
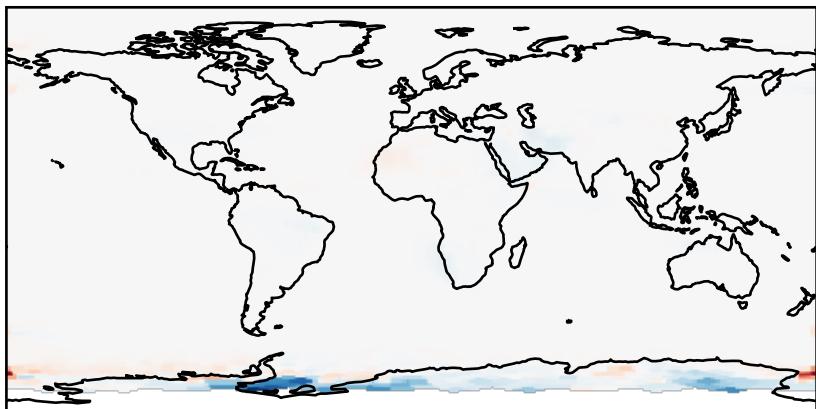
Difference (1x1.25)
Dev - Ref, Dynamic Range



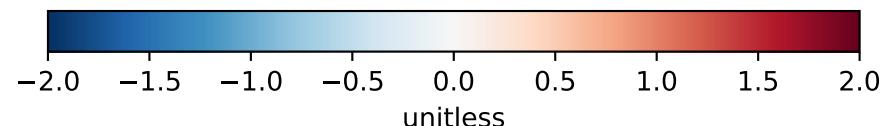
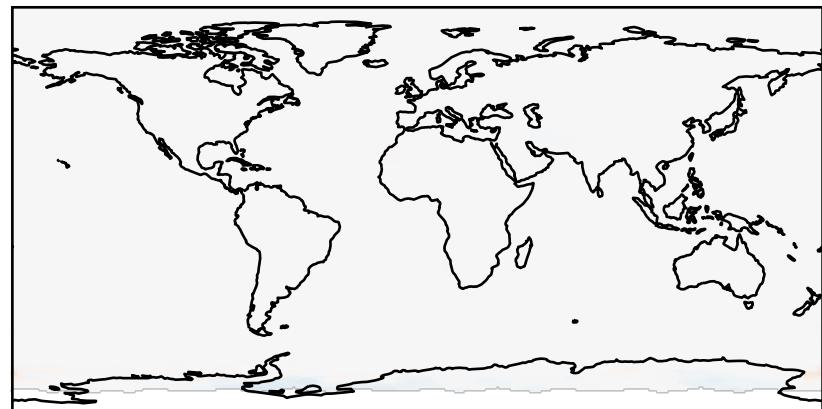
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

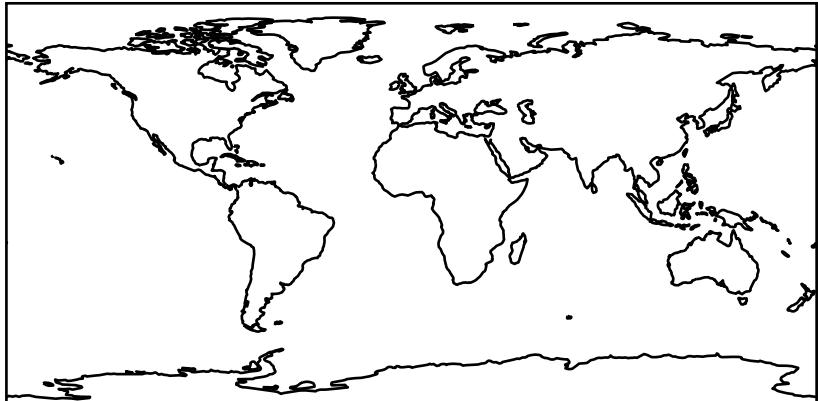


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

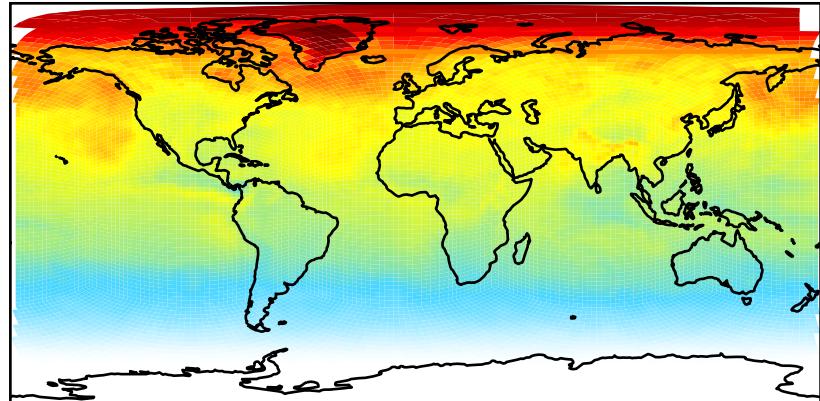


Jval_OCLO

GCHP_12.7.0 (Ref)
c48



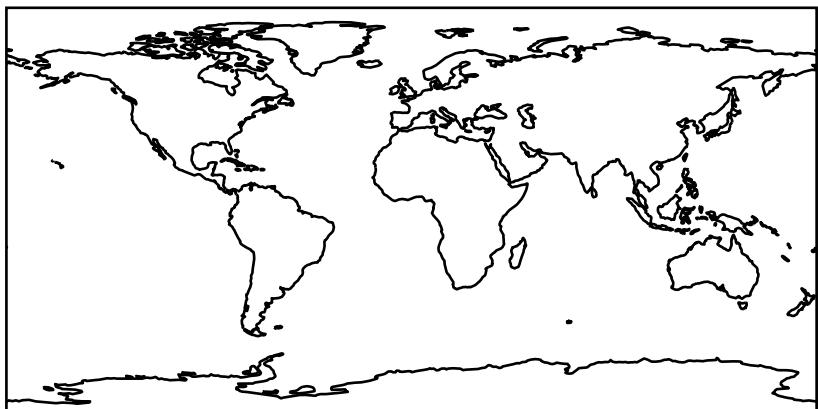
GCHP_12.8.0 (Dev)
c48



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s-1

0.00 0.02 0.04 0.06 0.08 0.10
s-1

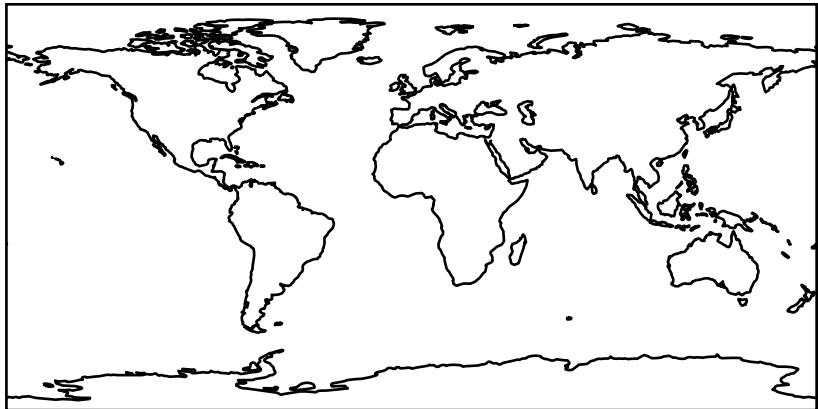
Difference (1x1.25)
Dev - Ref, Dynamic Range



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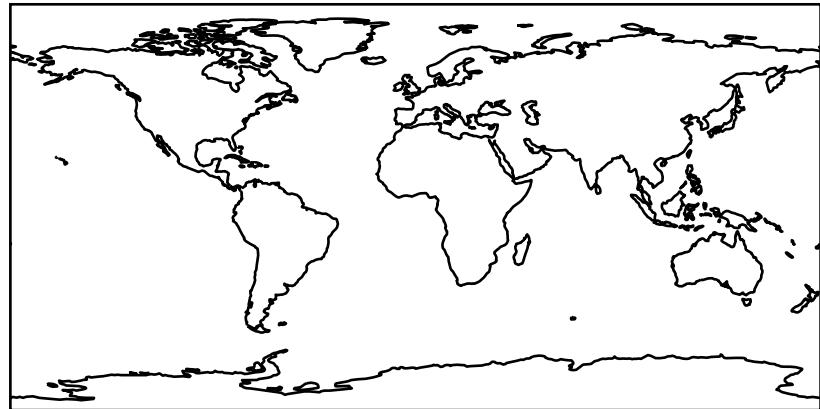
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



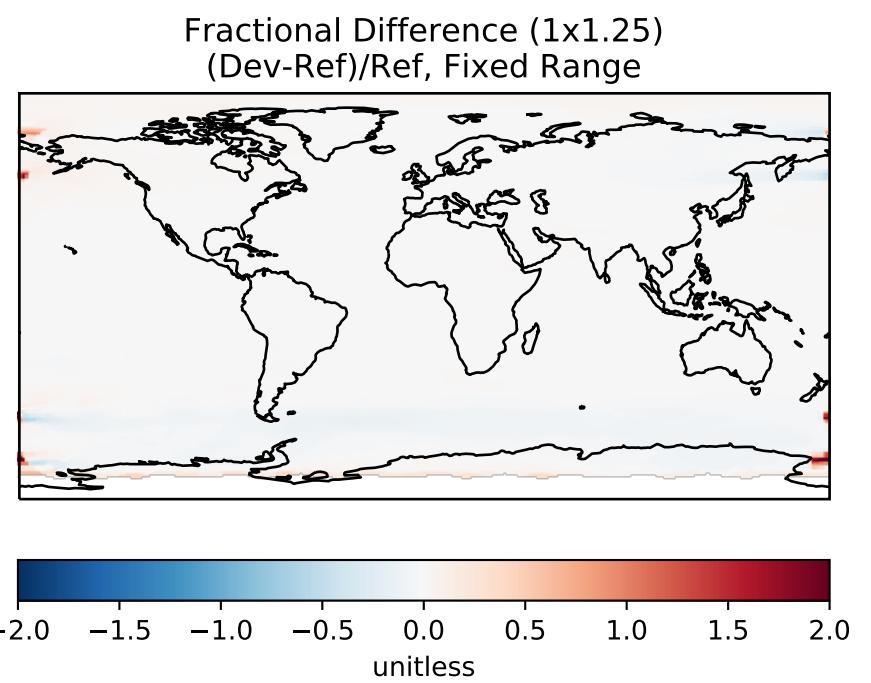
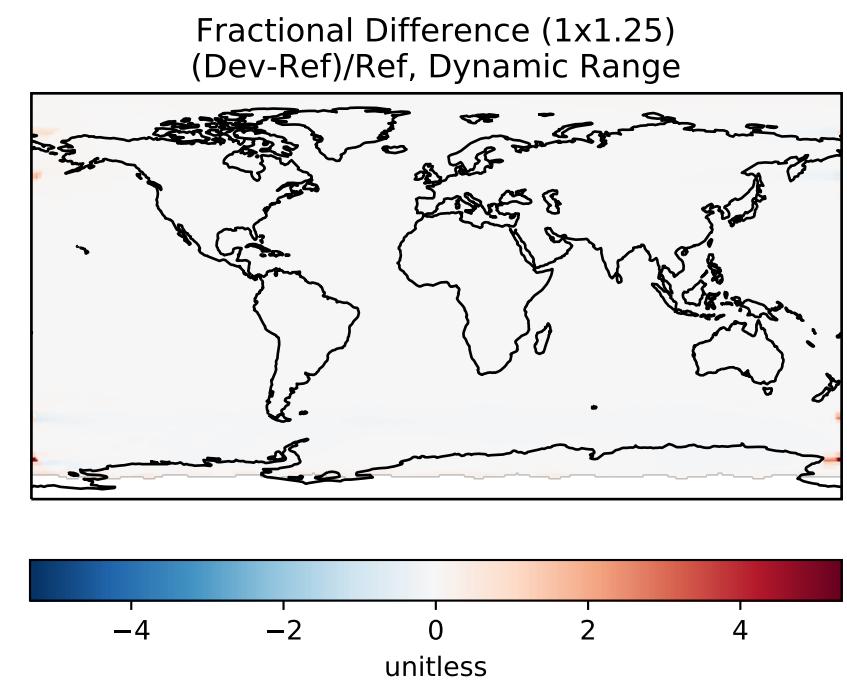
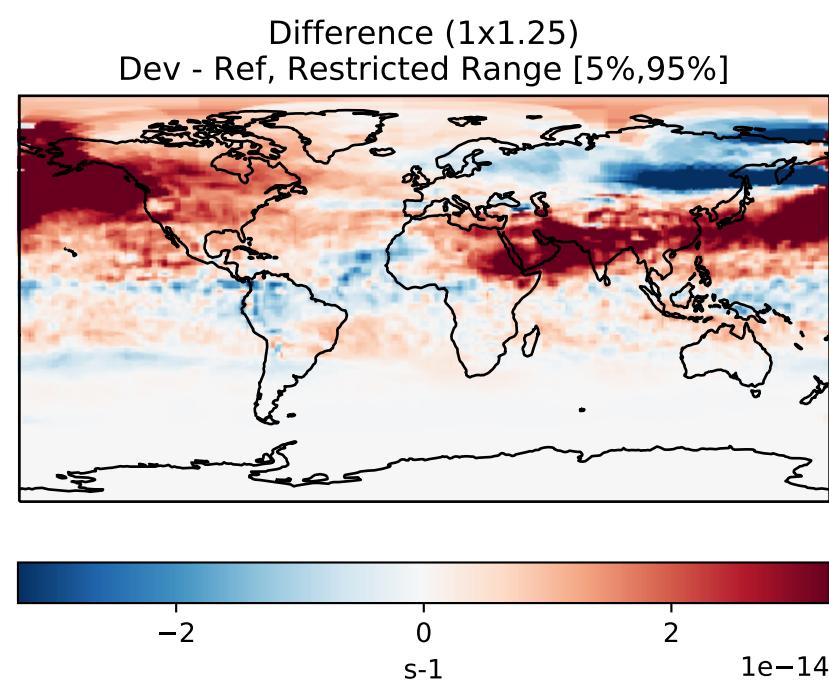
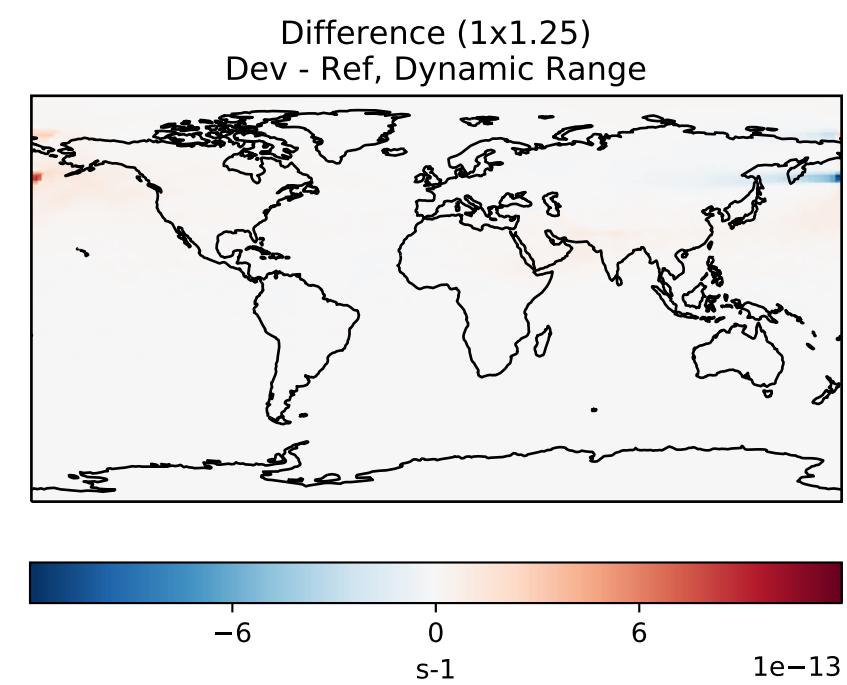
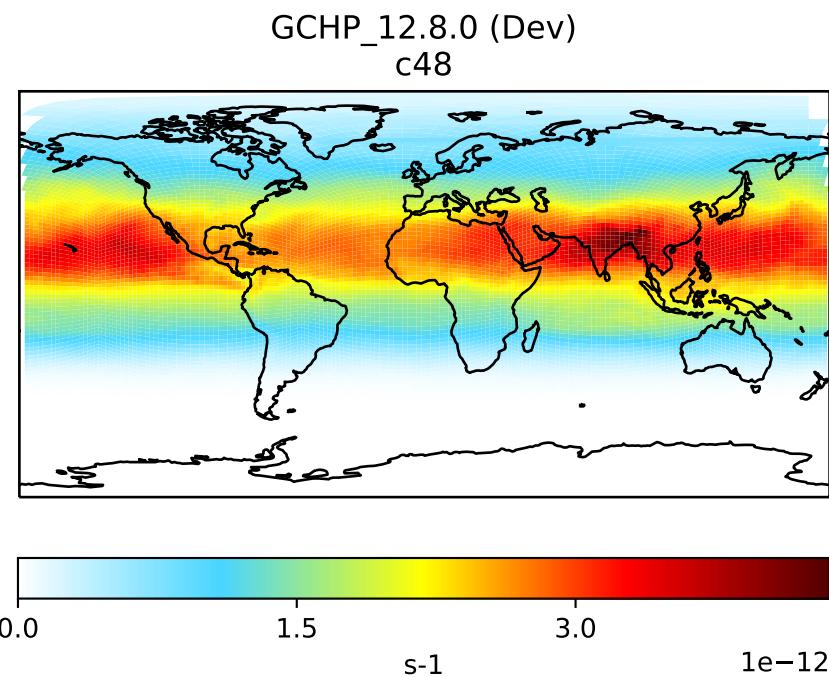
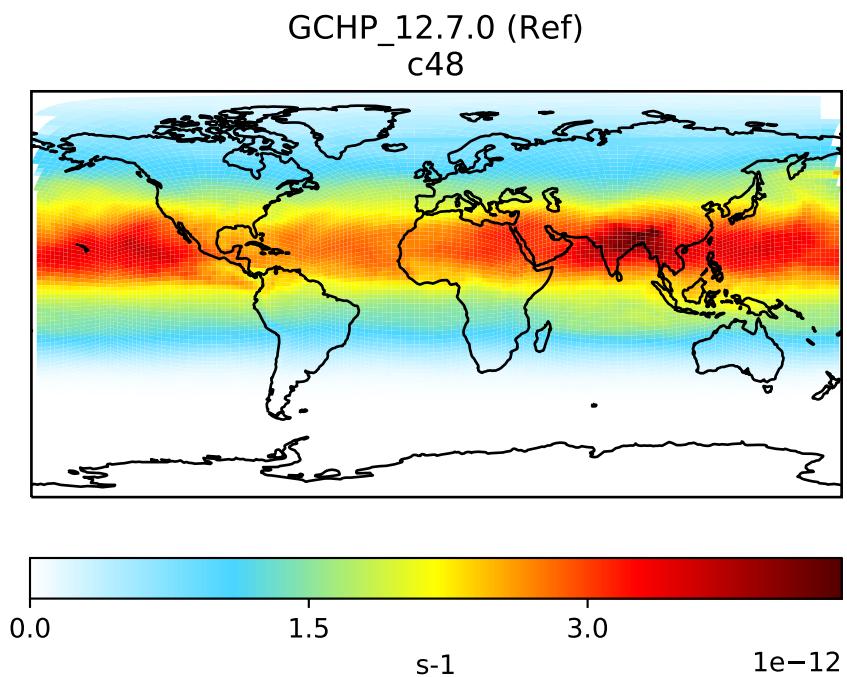
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

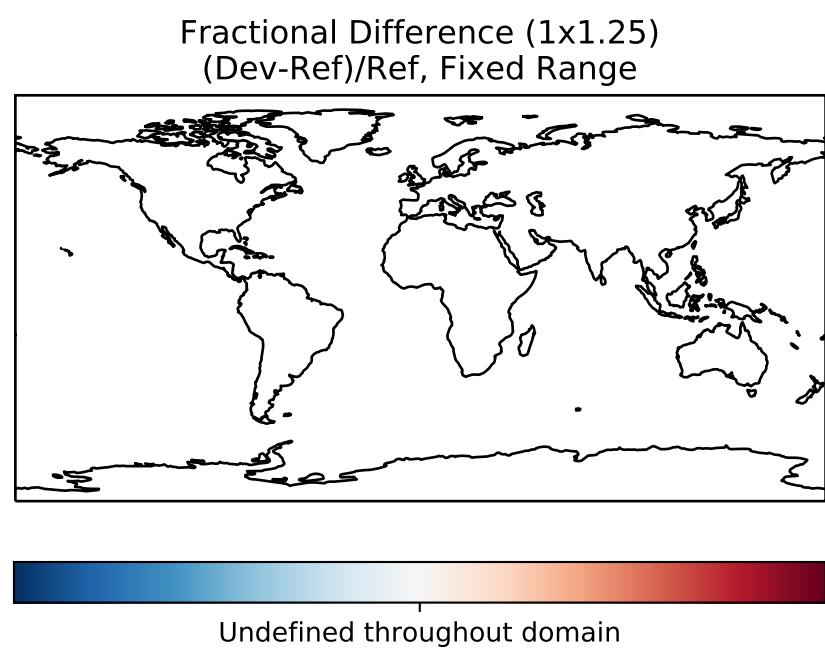
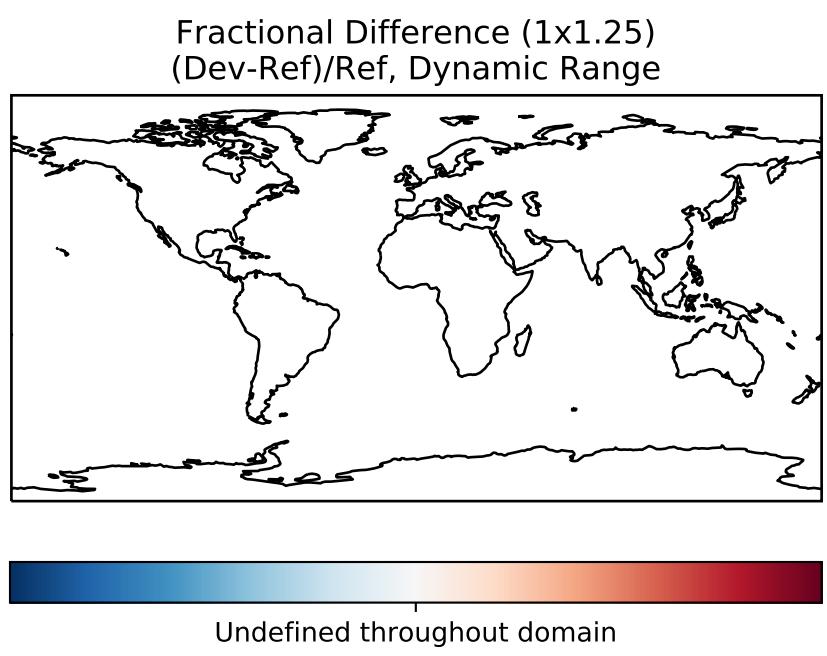
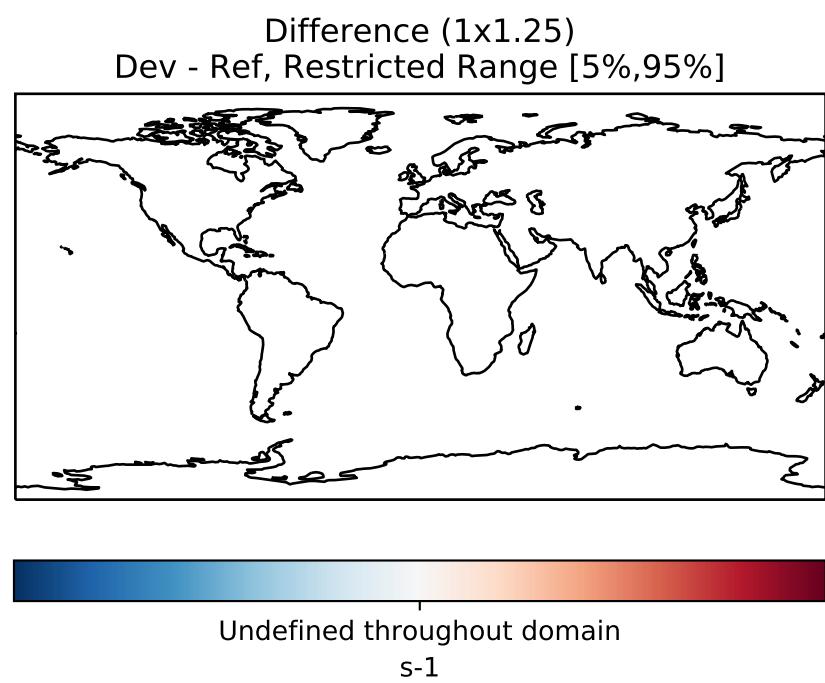
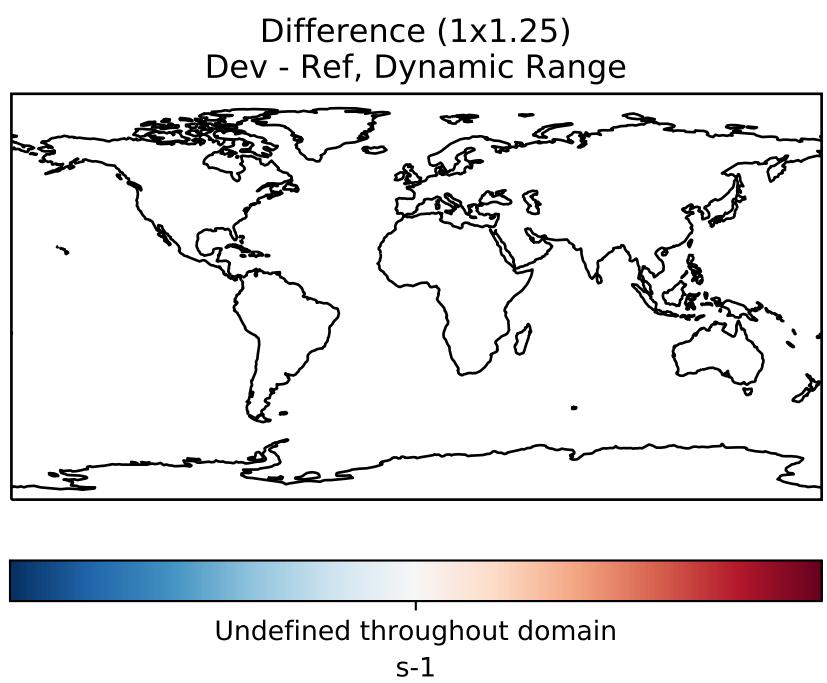
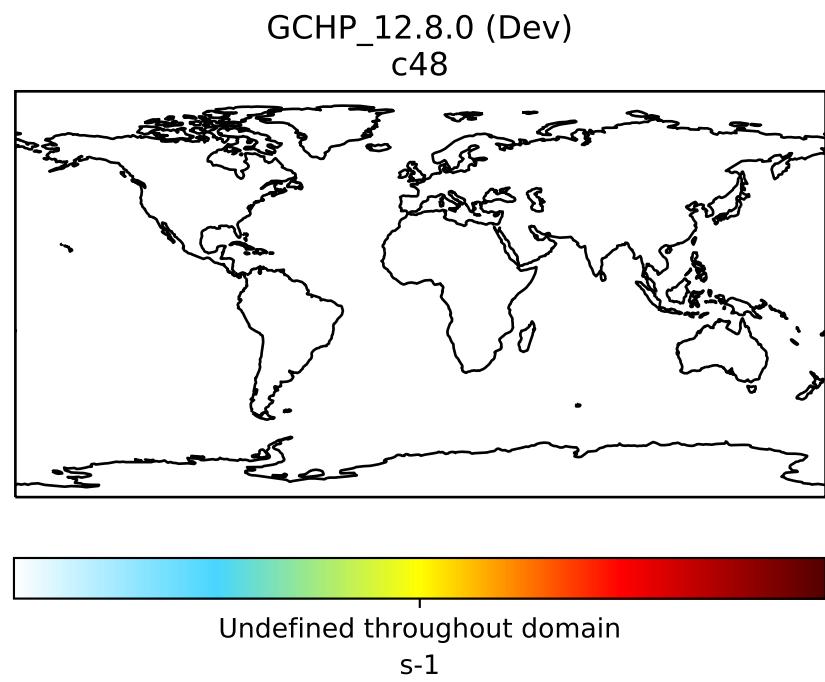
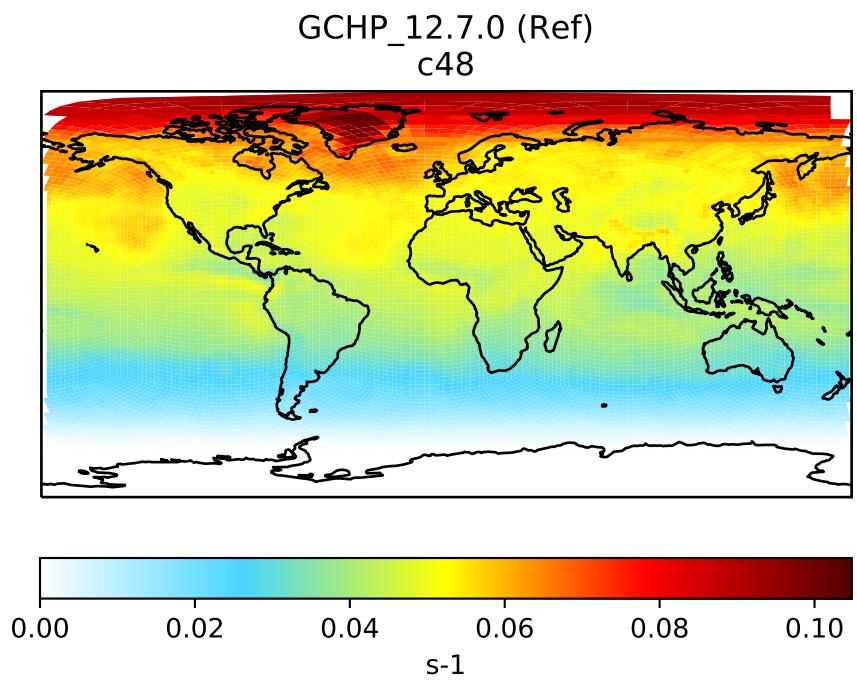


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Jval_OCS

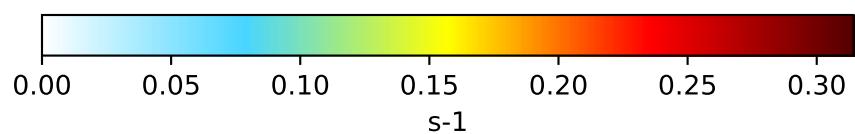
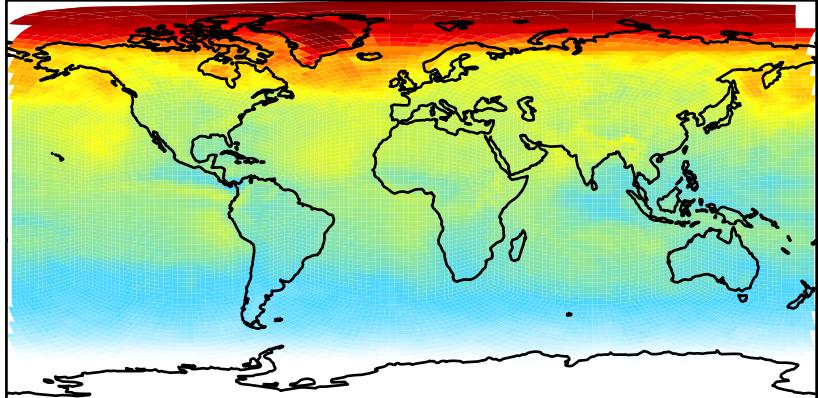


Jval_OCIO

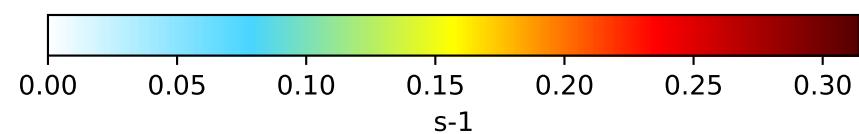
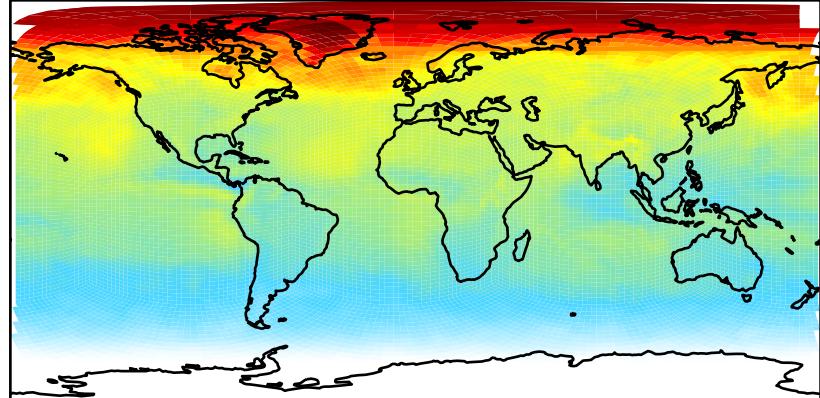


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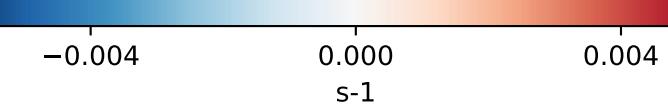
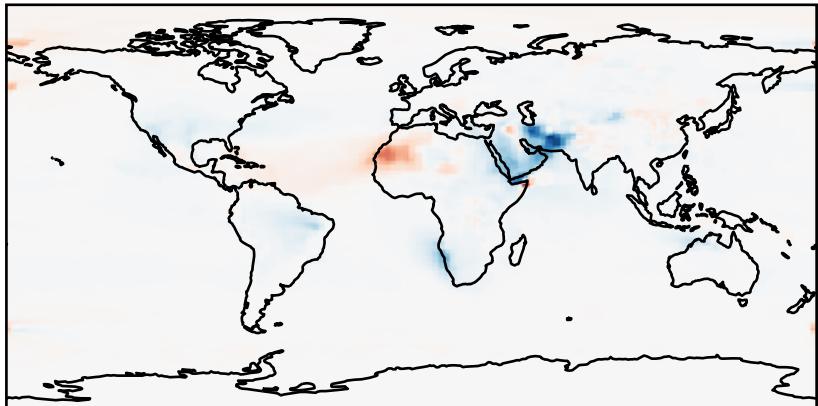
GCHP_12.7.0 (Ref)
c48



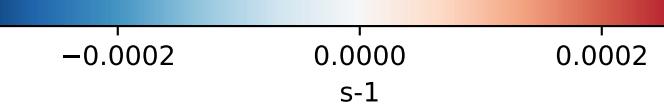
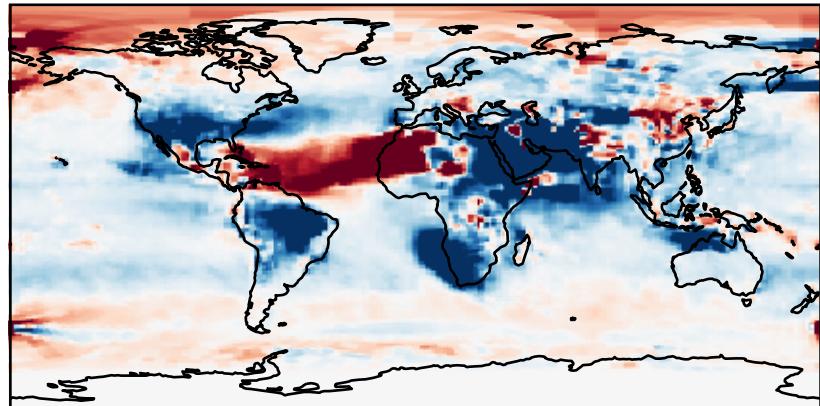
GCHP_12.8.0 (Dev)
c48



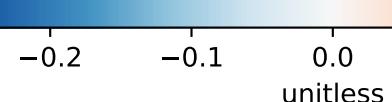
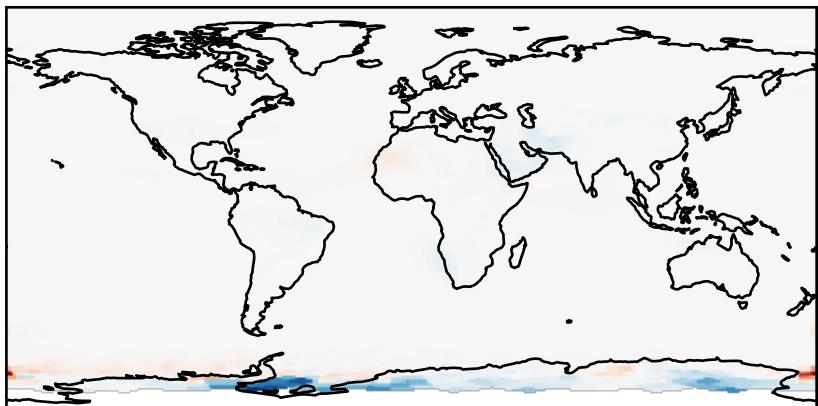
Difference (1x1.25)
Dev - Ref, Dynamic Range



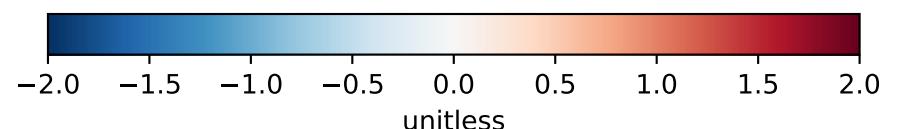
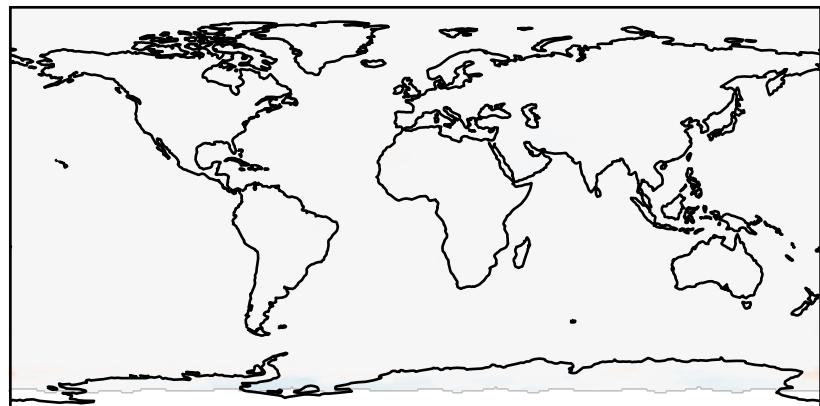
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

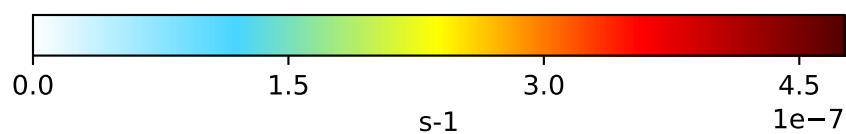
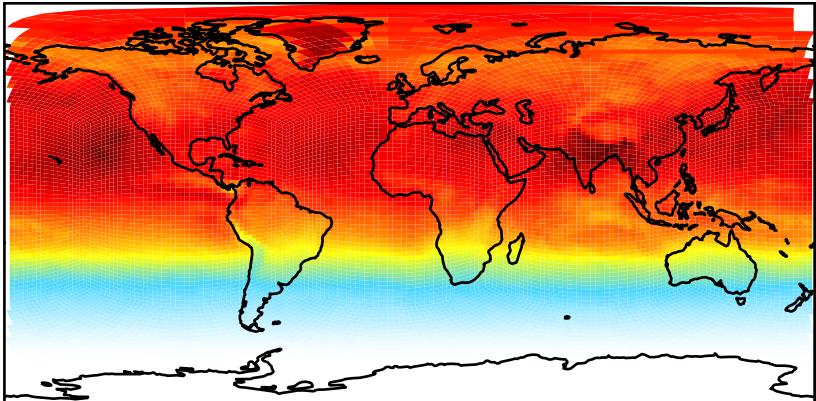


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

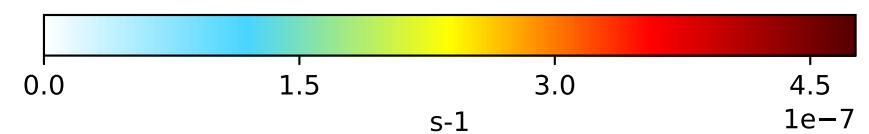
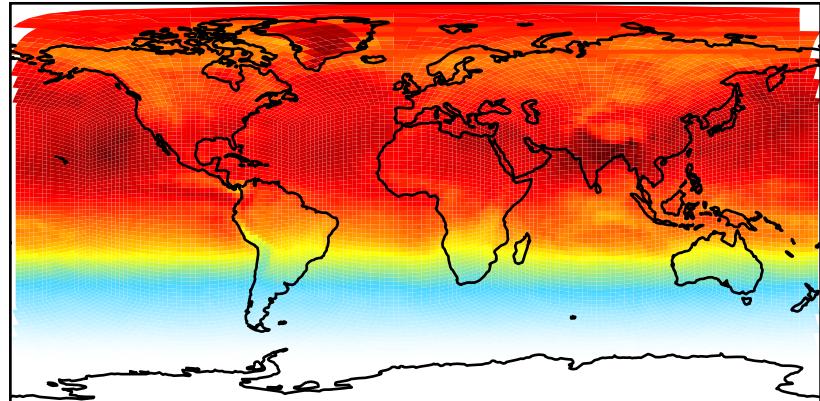


Jval_PAN

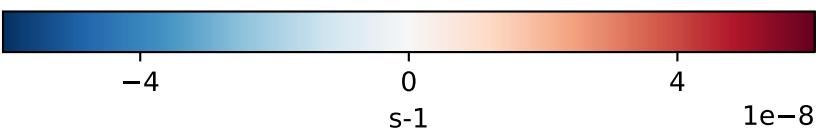
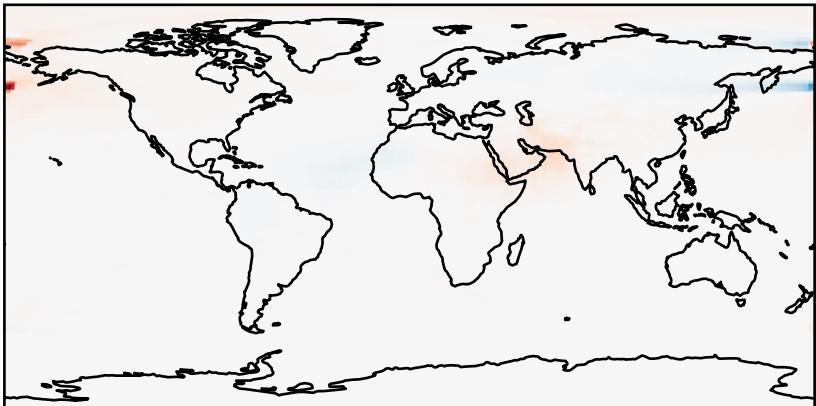
GCHP_12.7.0 (Ref)
c48



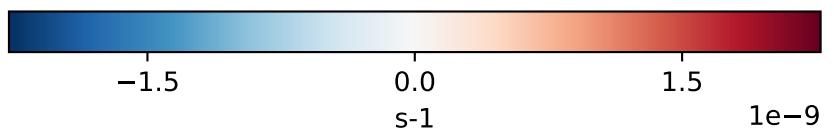
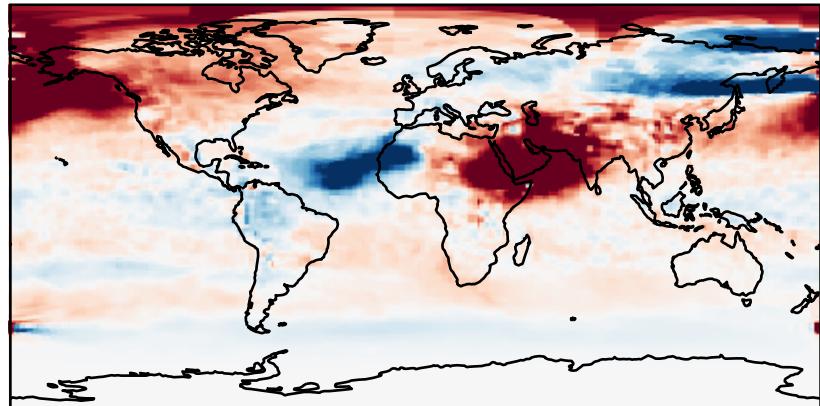
GCHP_12.8.0 (Dev)
c48



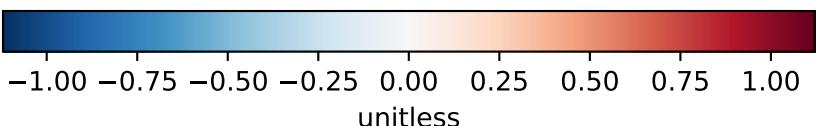
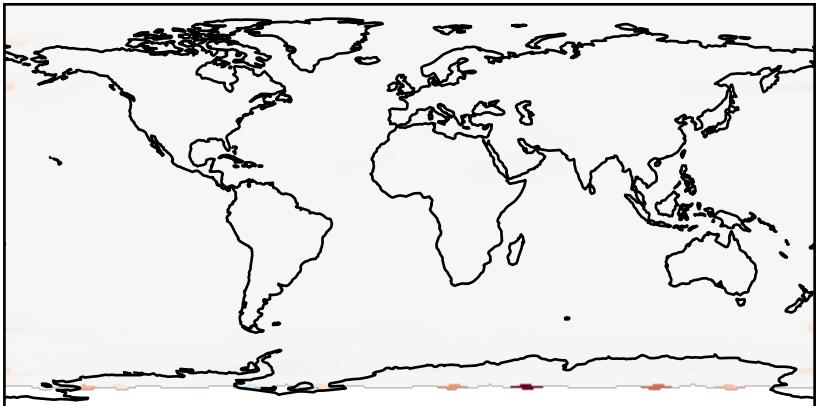
Difference (1x1.25)
Dev - Ref, Dynamic Range



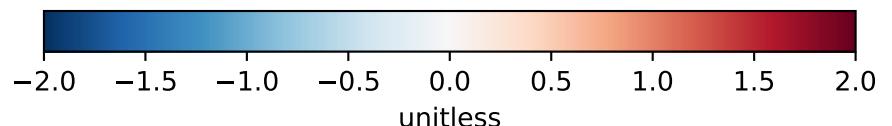
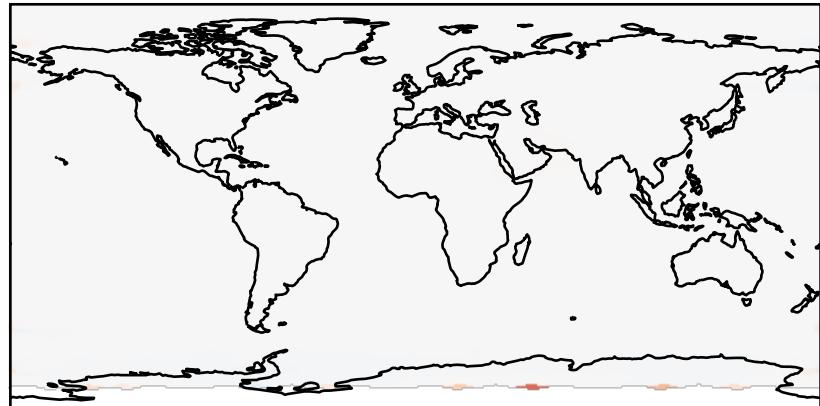
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



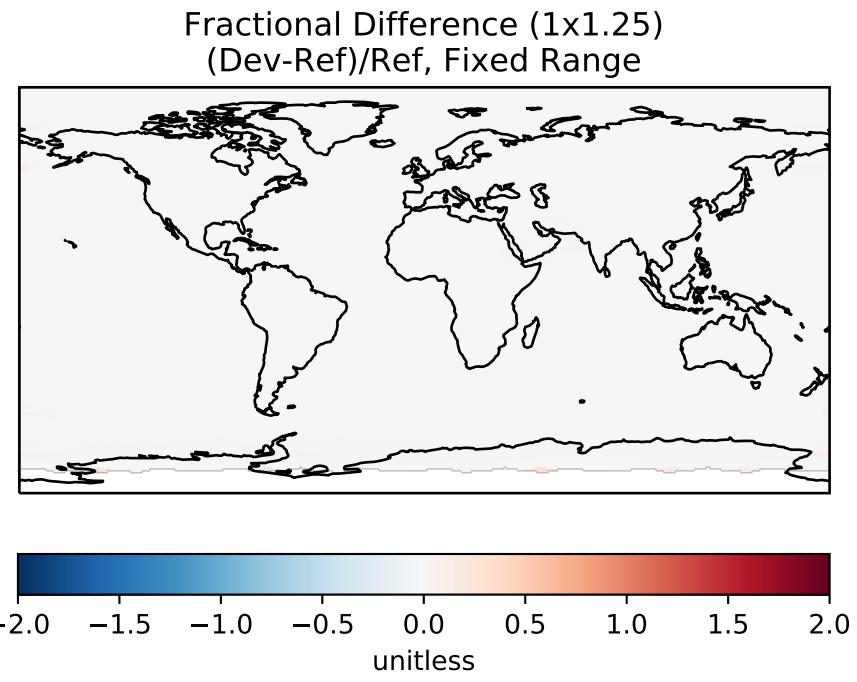
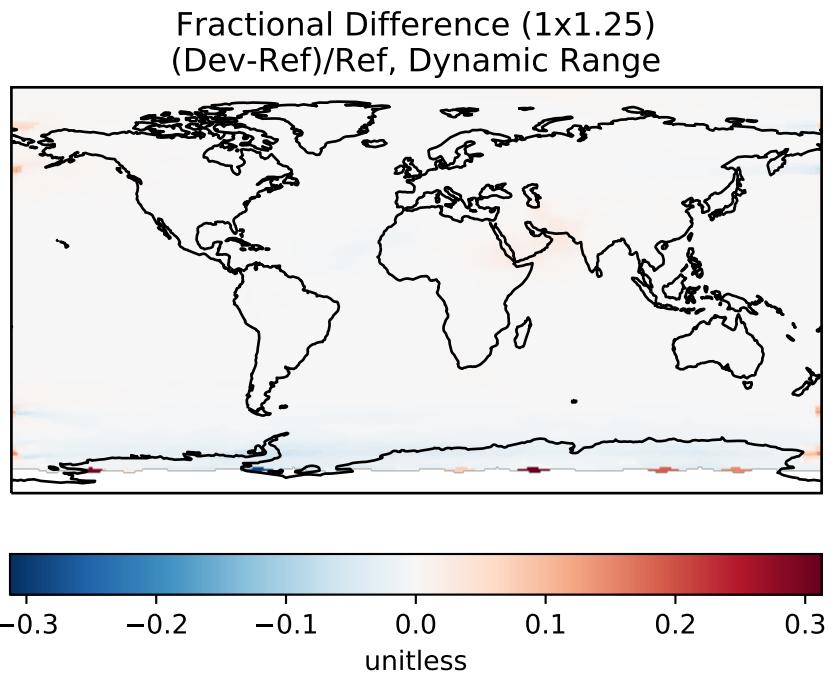
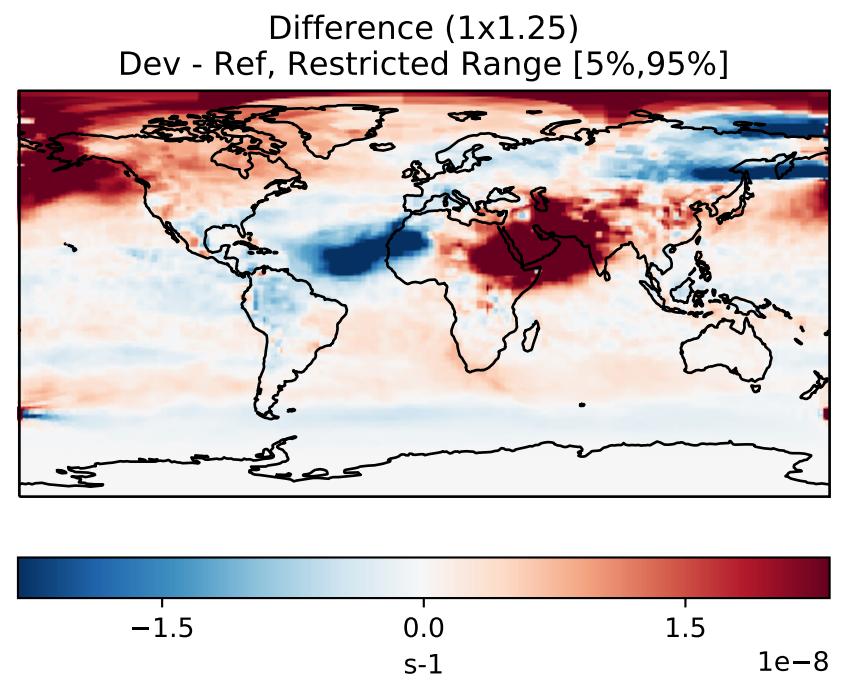
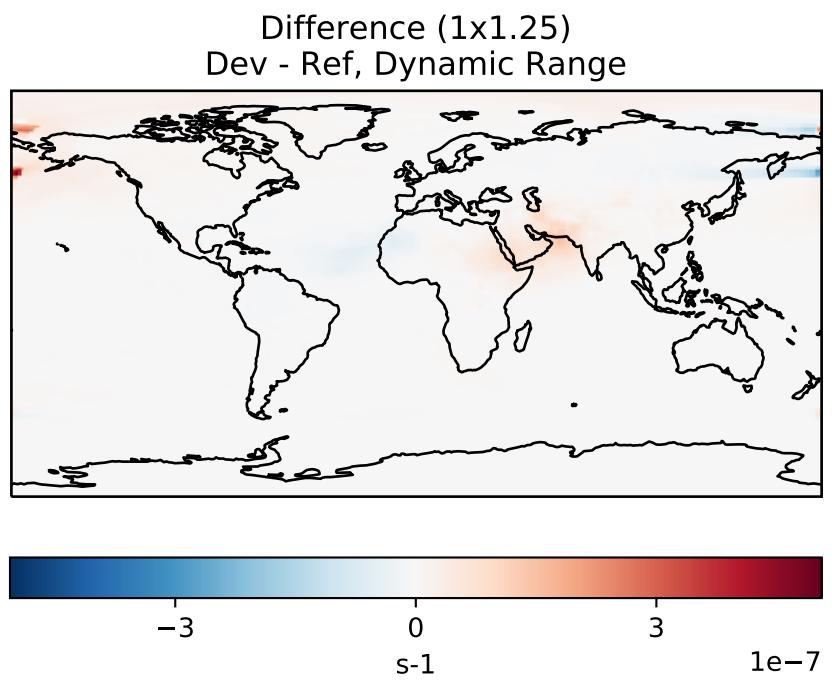
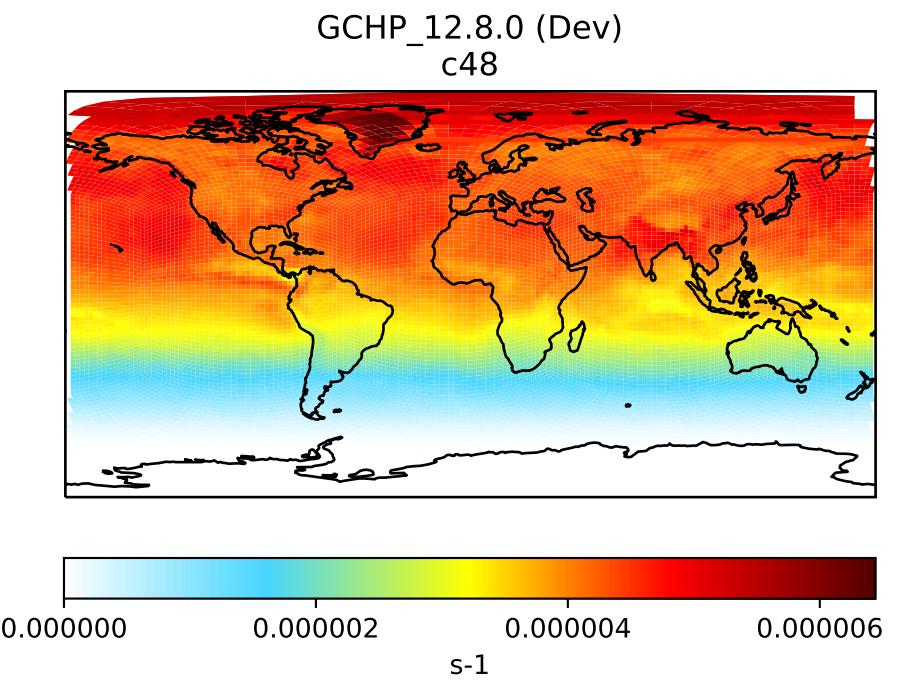
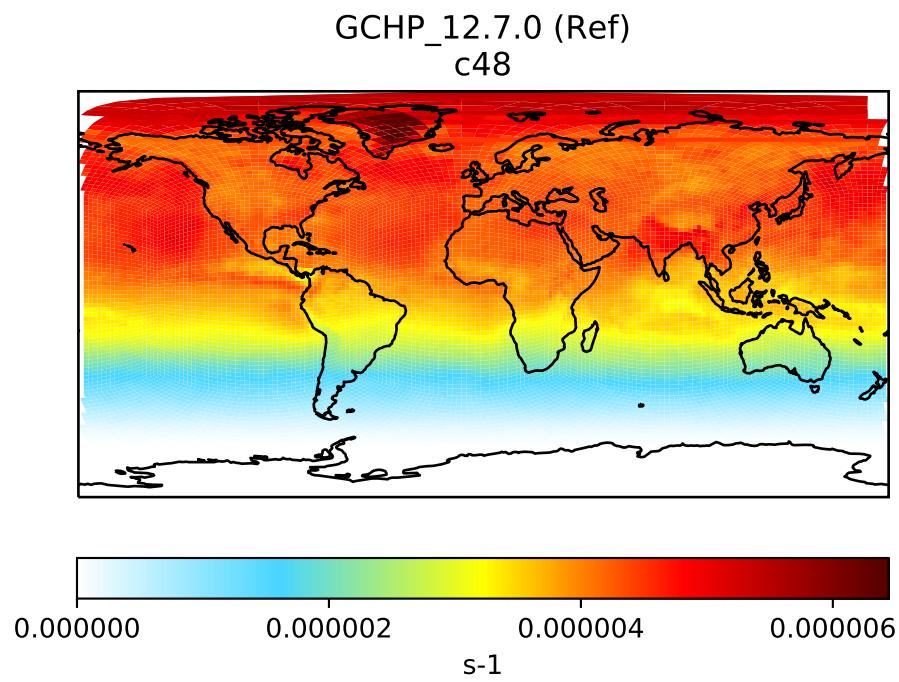
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



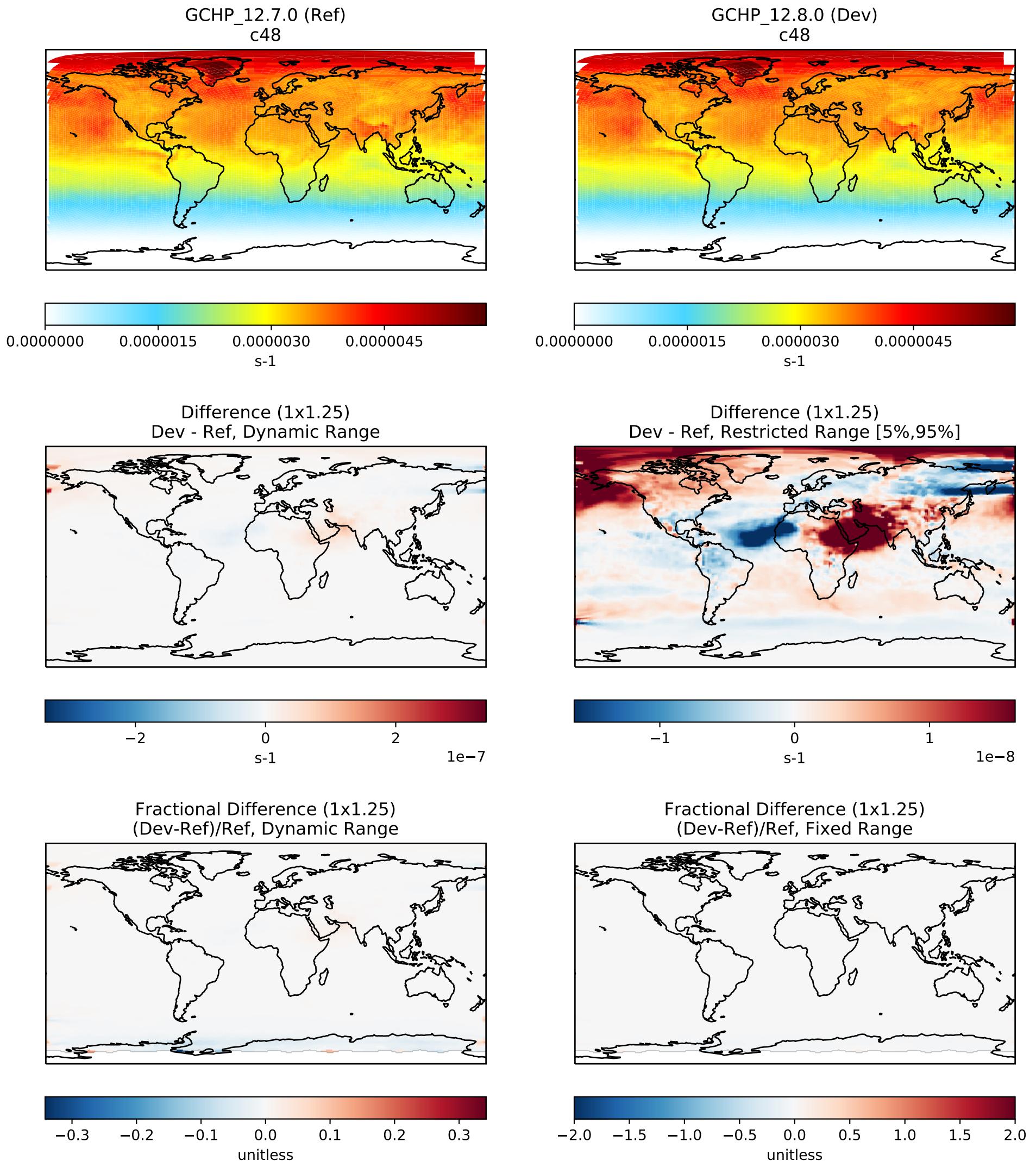
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



Jval_PIP

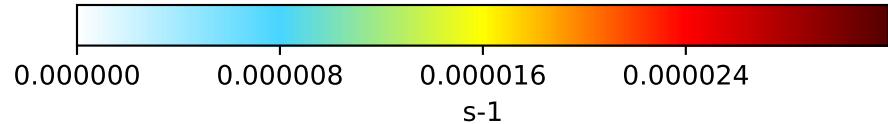
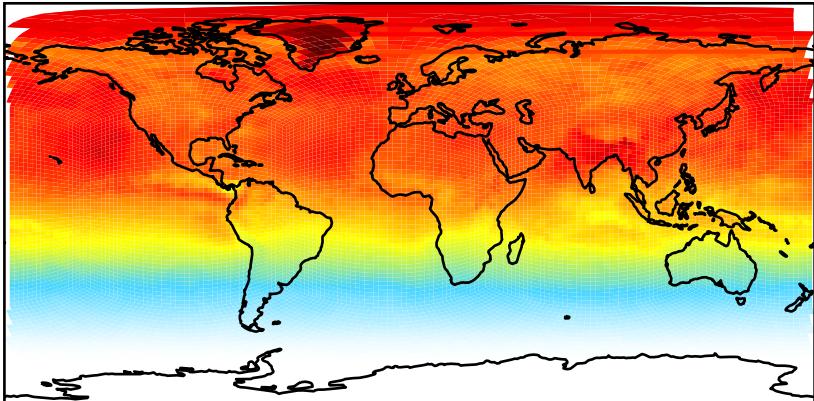


Jval_PP

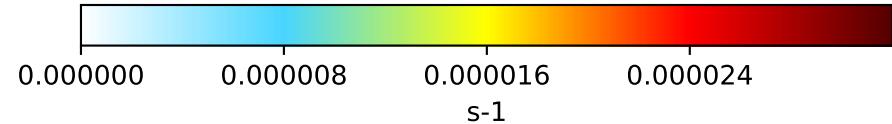
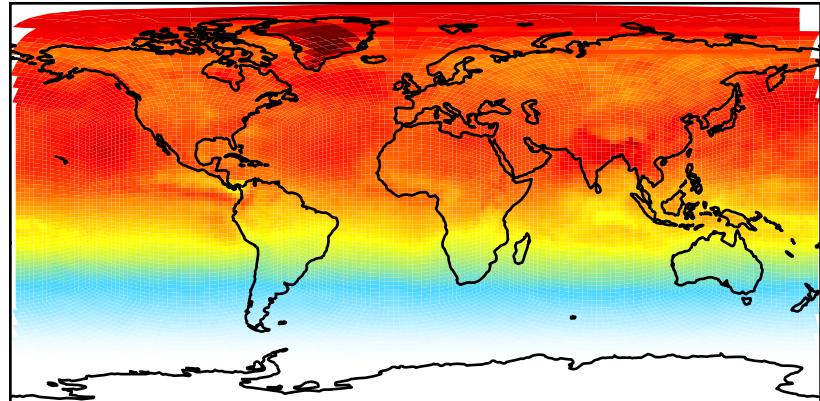


Jval_PROPNN

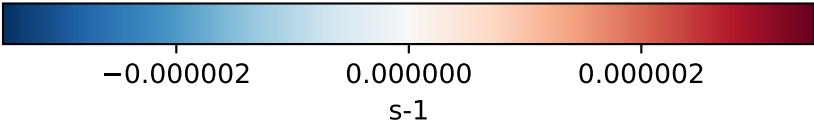
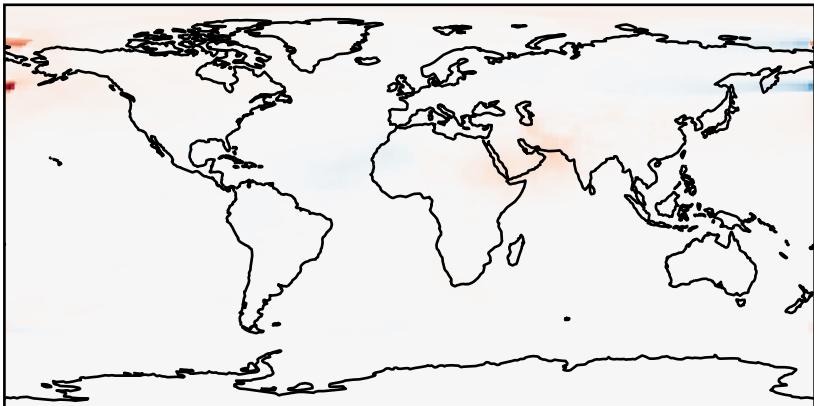
GCHP_12.7.0 (Ref)
c48



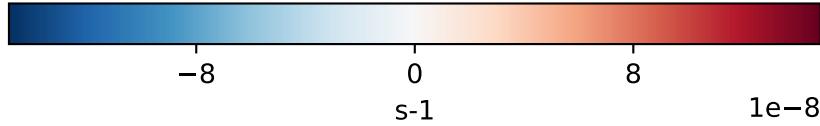
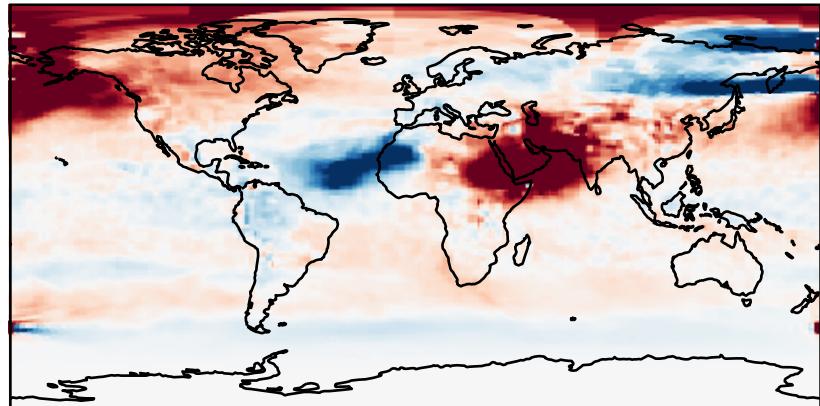
GCHP_12.8.0 (Dev)
c48



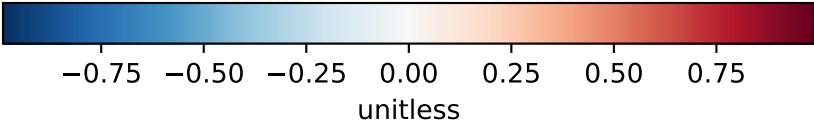
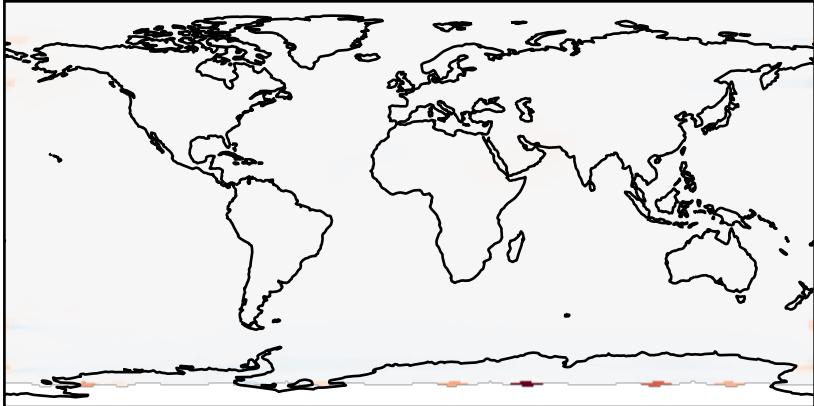
Difference (1x1.25)
Dev - Ref, Dynamic Range



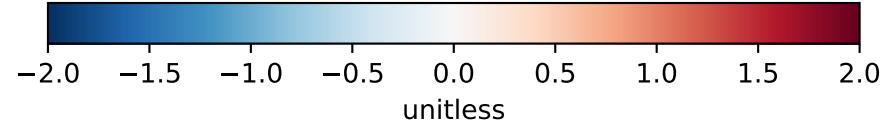
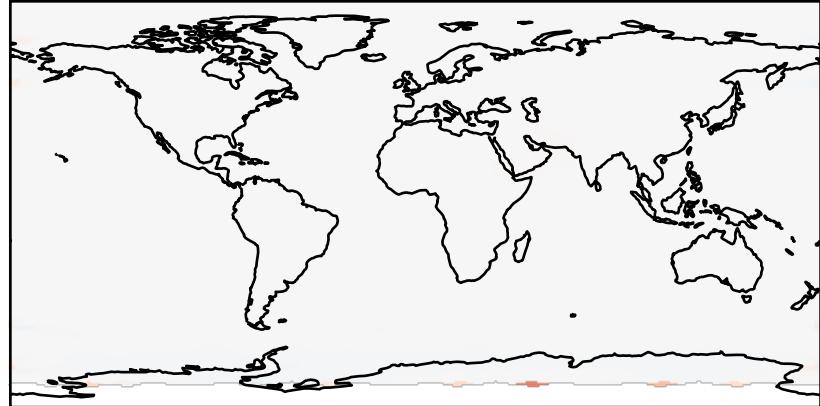
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



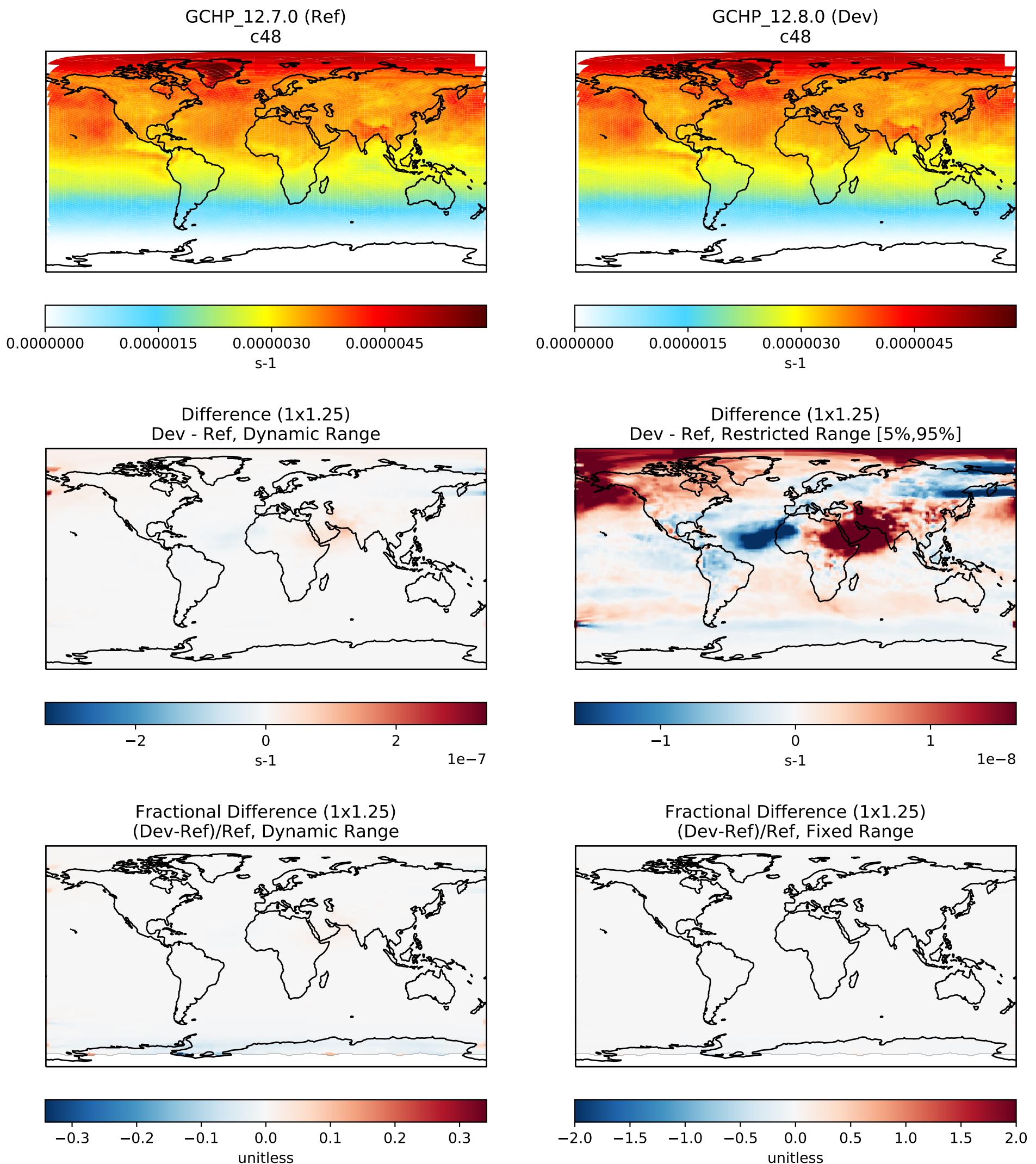
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

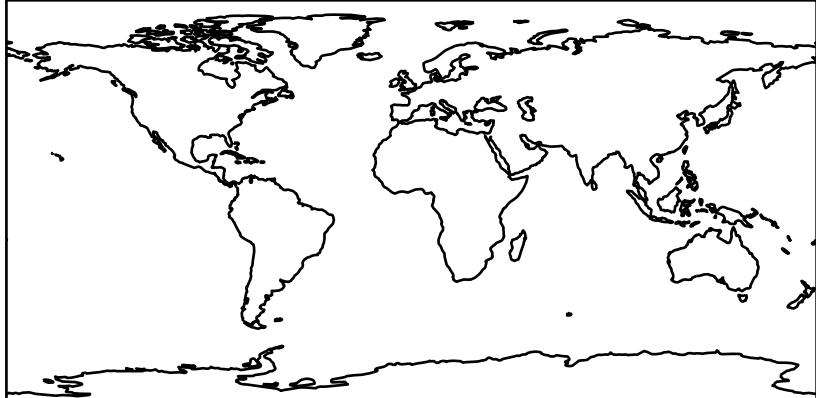


Jval_PRPN



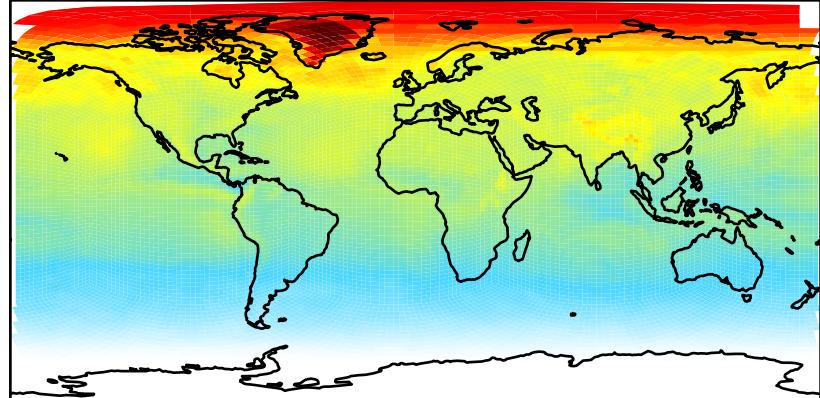
Jval_PYAC

GCHP_12.7.0 (Ref)
c48



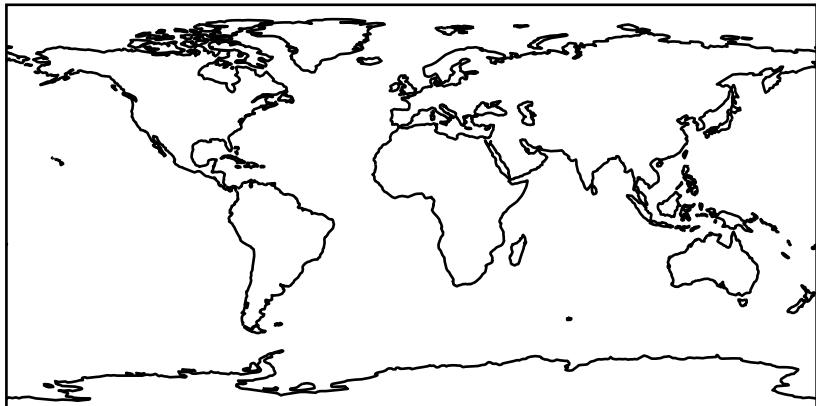
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s-1

GCHP_12.8.0 (Dev)
c48



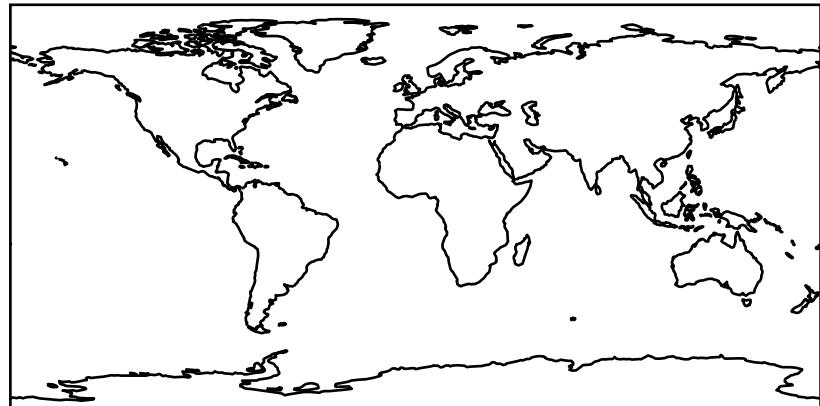
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s-1

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



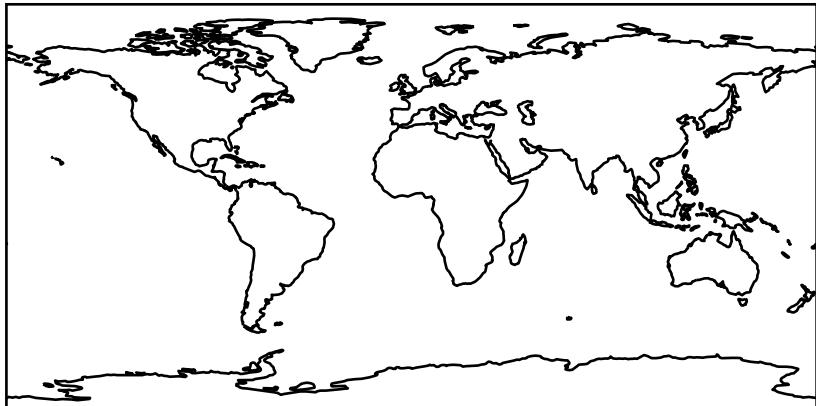
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s-1

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



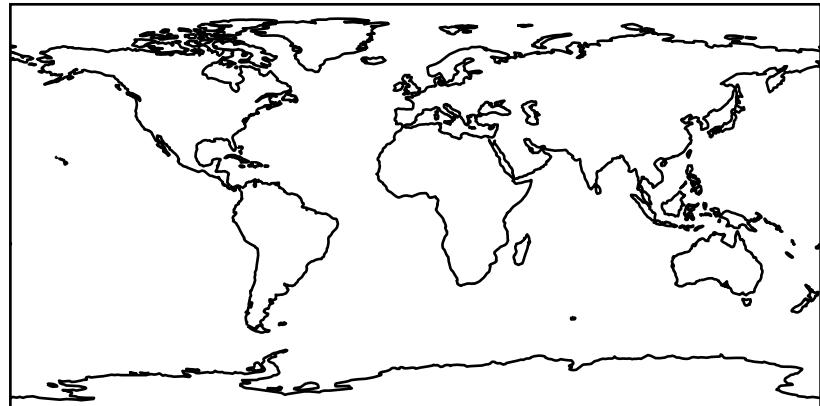
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



Undefined throughout domain
unitless

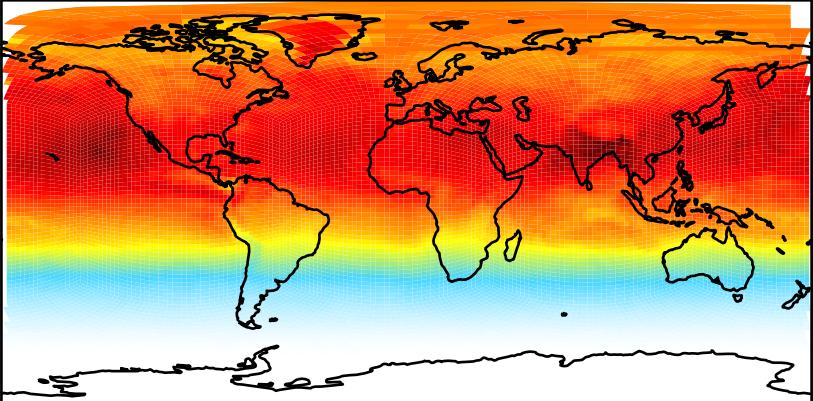
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



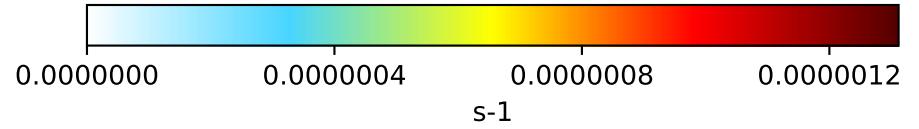
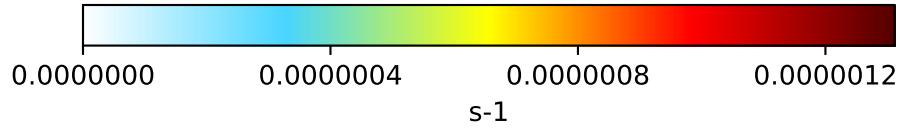
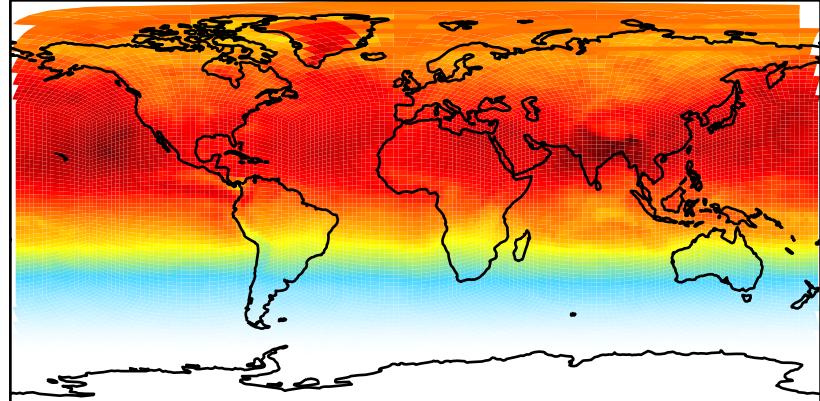
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Jval_R4N2

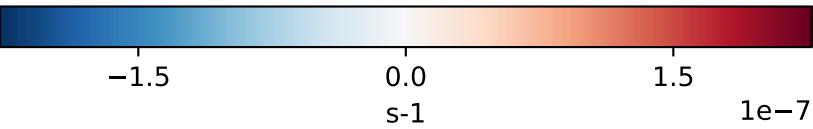
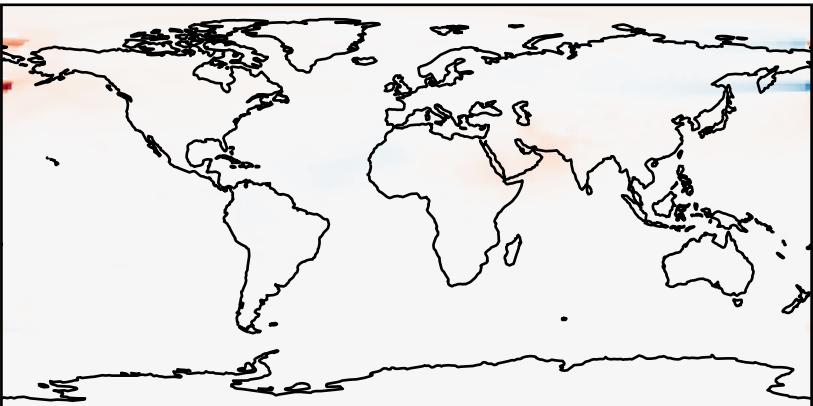
GCHP_12.7.0 (Ref)
c48



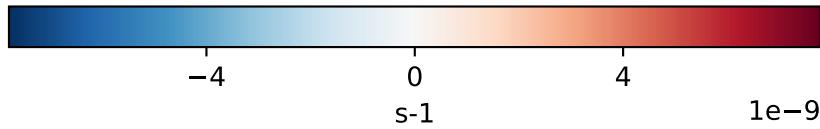
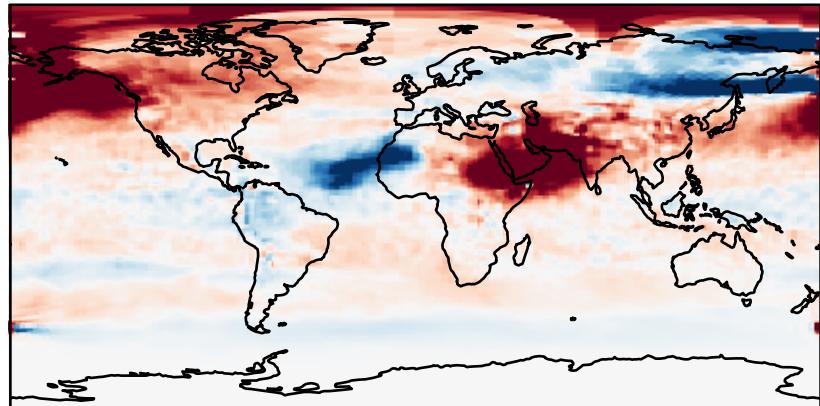
GCHP_12.8.0 (Dev)
c48



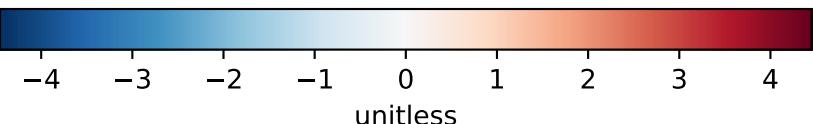
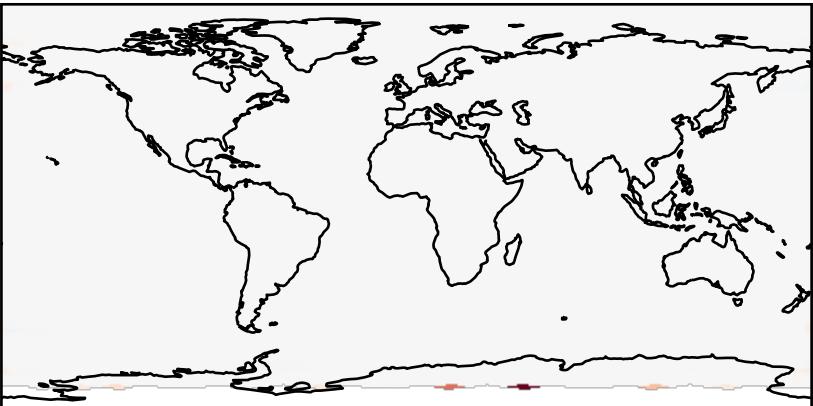
Difference (1x1.25)
Dev - Ref, Dynamic Range



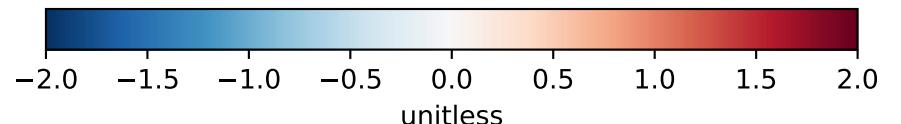
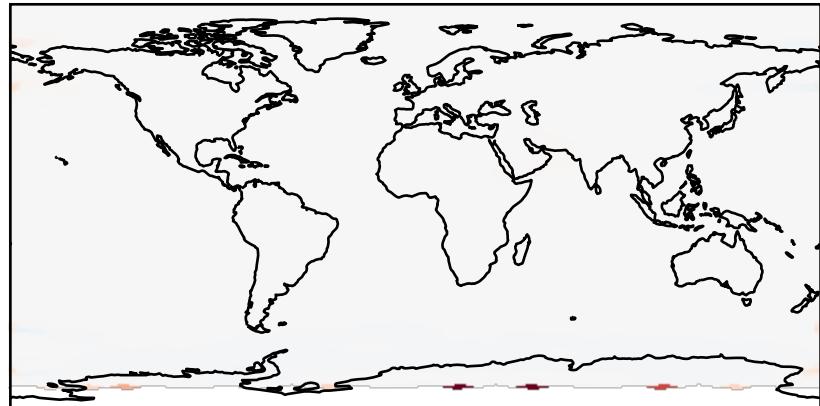
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



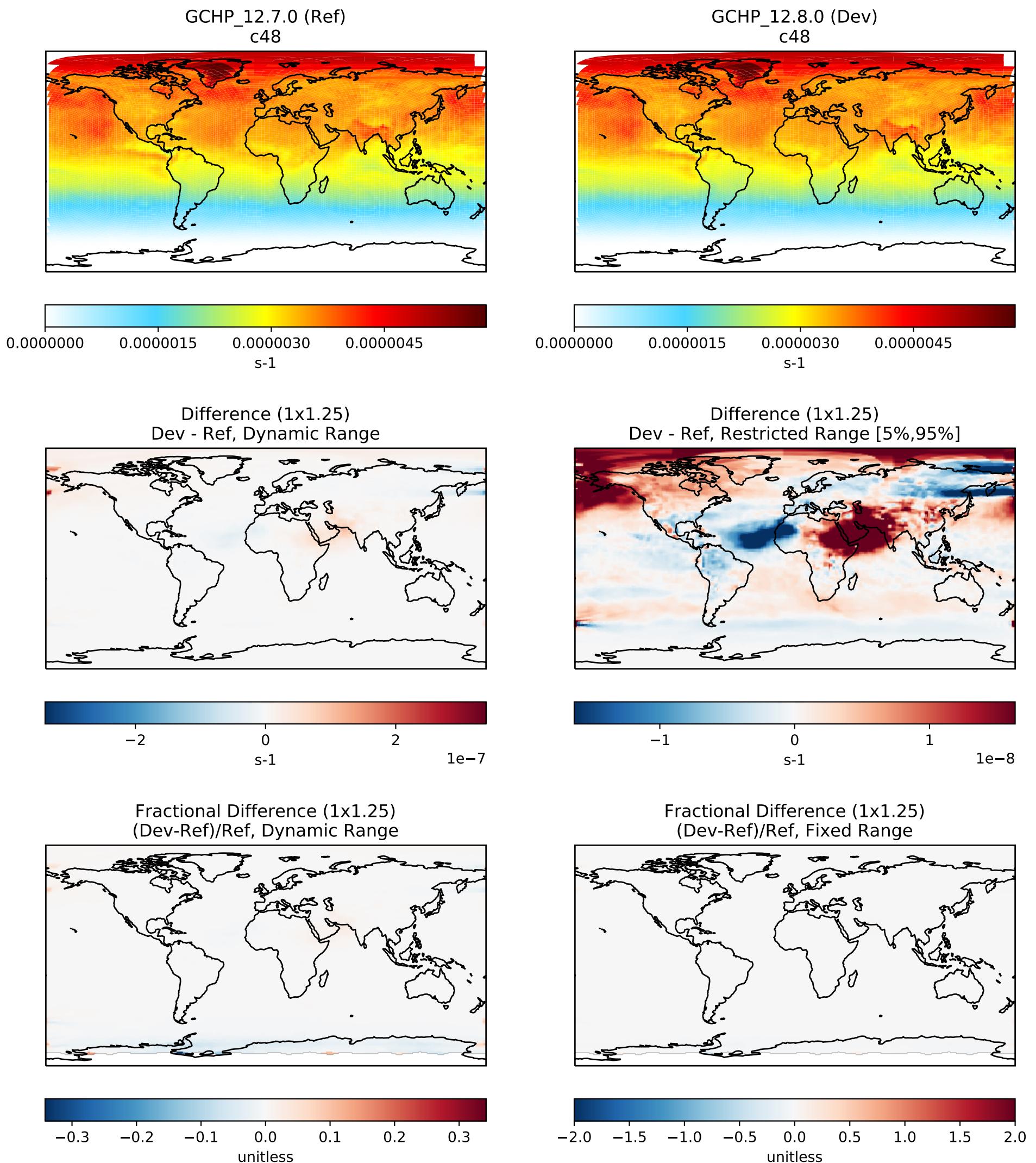
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



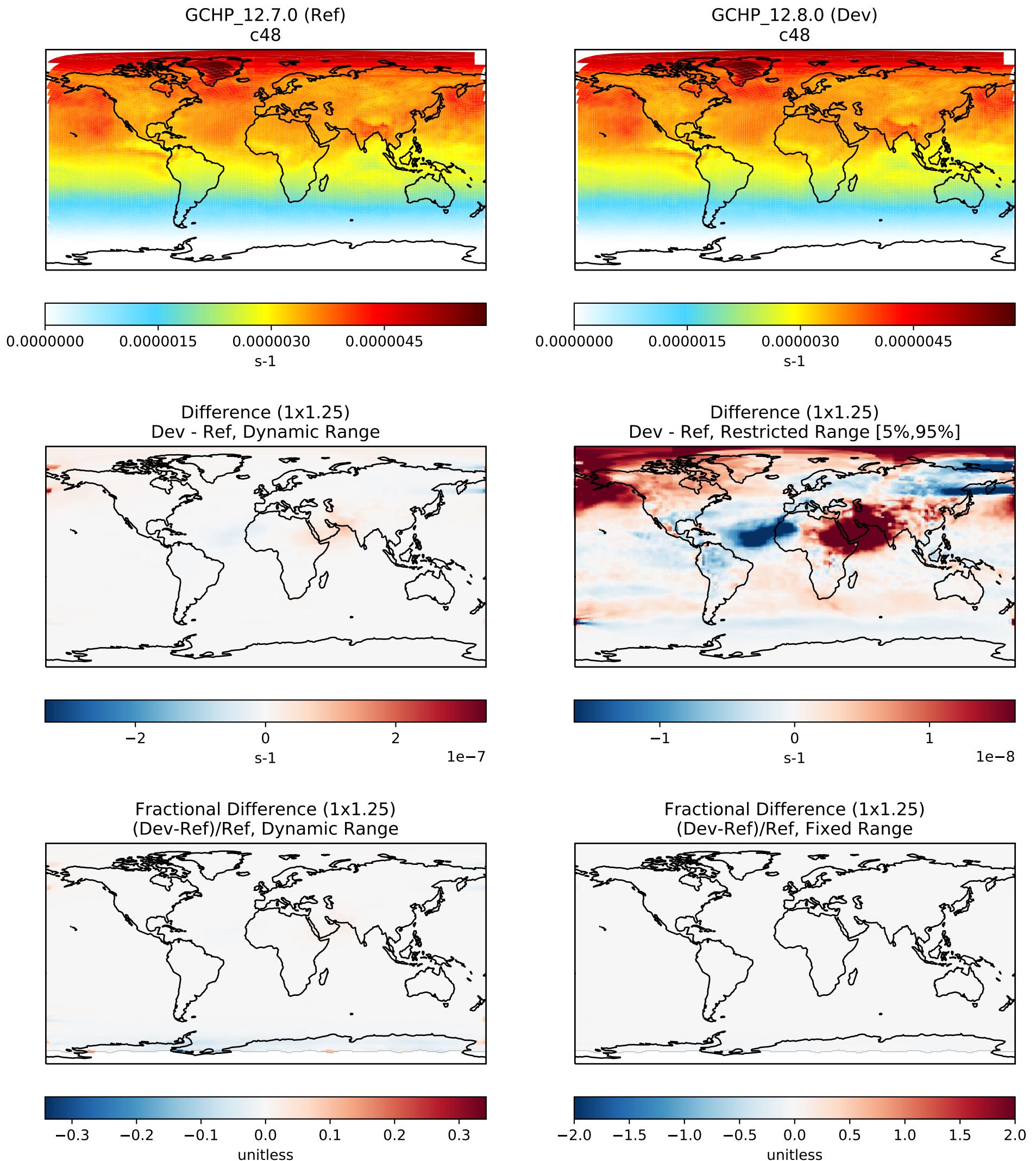
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



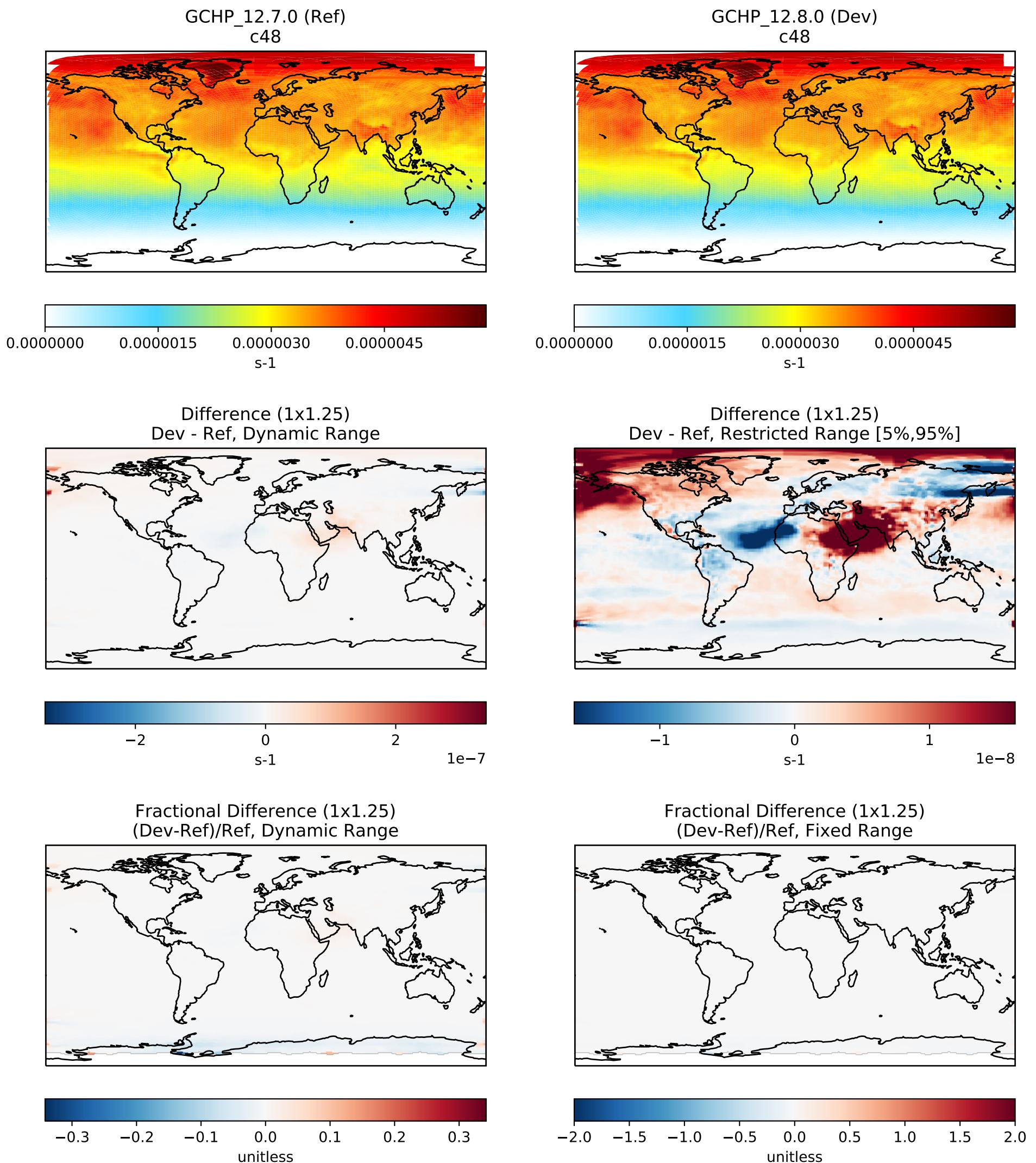
Jval_R4P



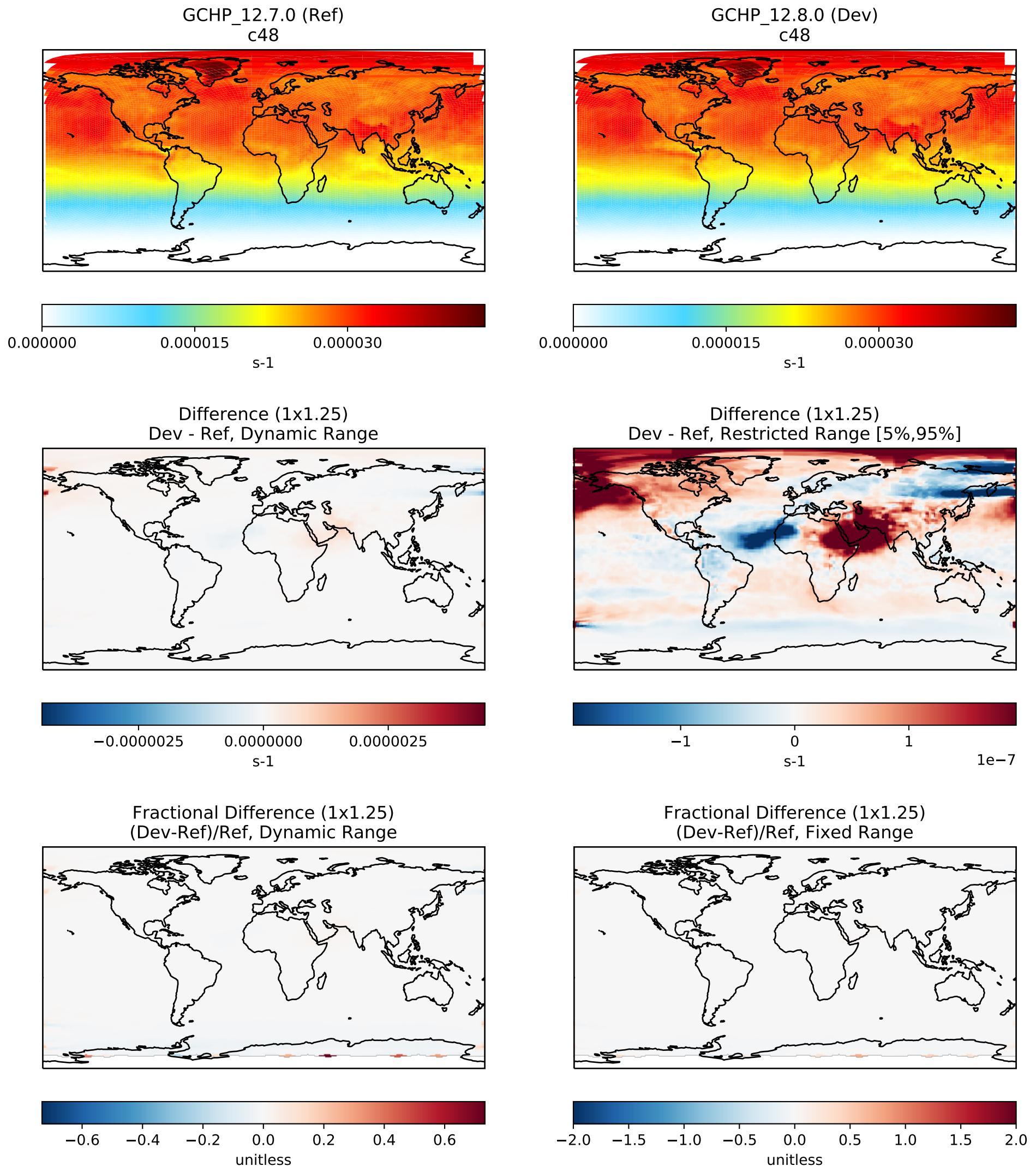
Jval_RA3P



Jval_RB3P

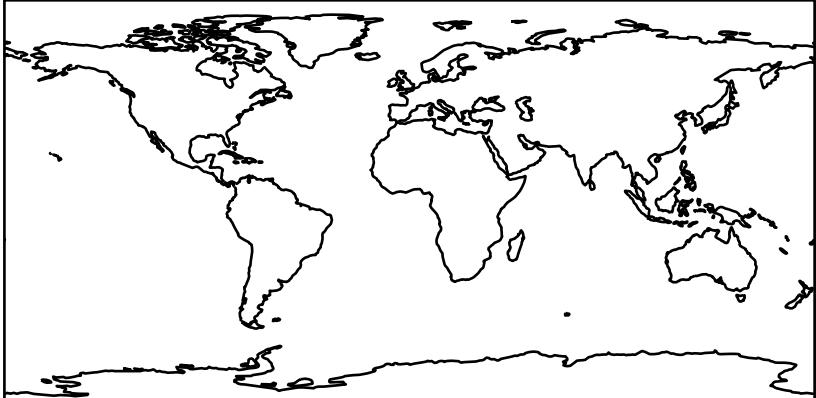


Jval_RCHO



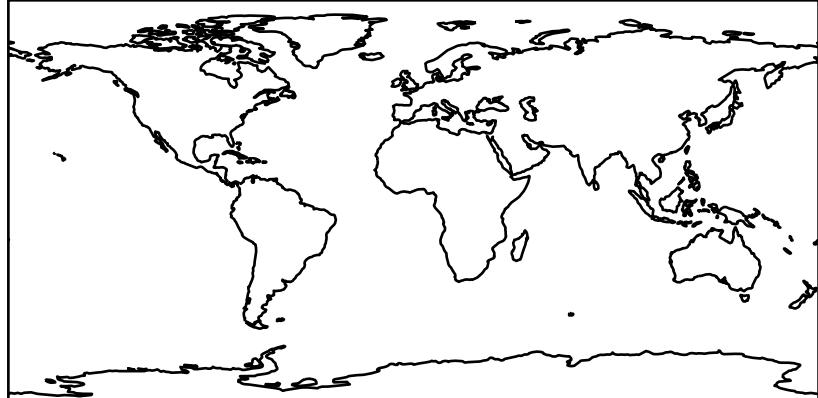
Jval_RIPA

GCHP_12.7.0 (Ref)
c48



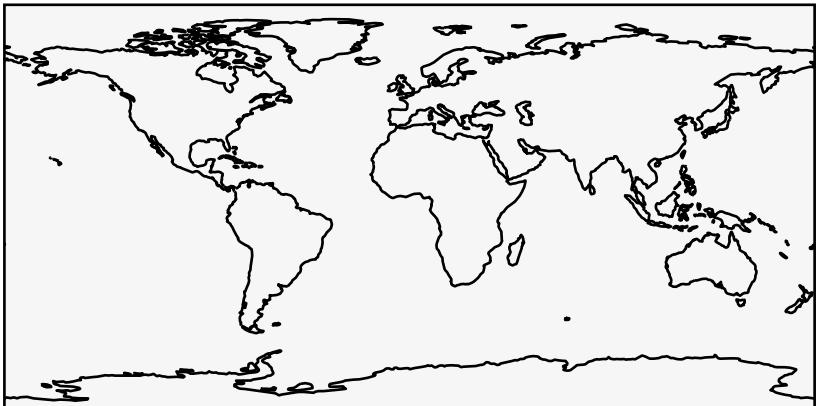
Zero throughout domain
s-1

GCHP_12.8.0 (Dev)
c48



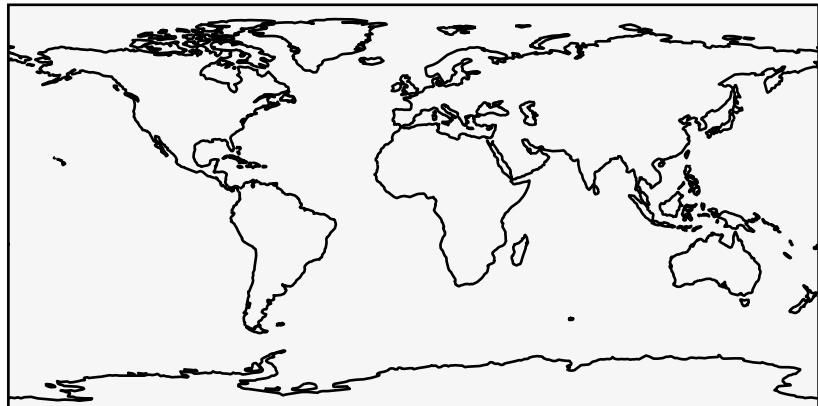
Zero throughout domain
s-1

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



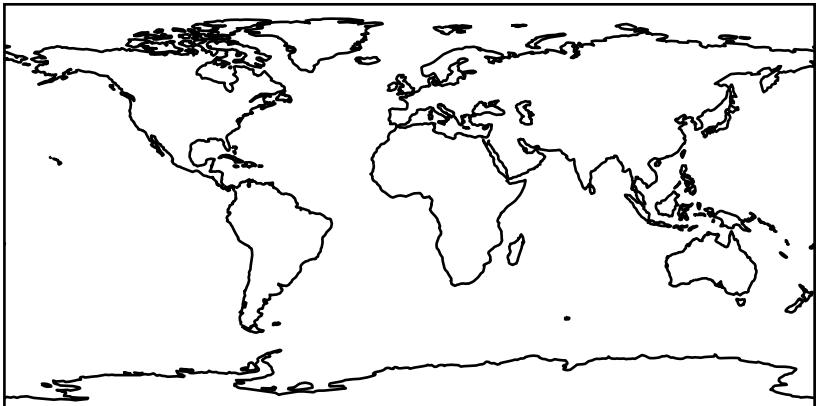
Zero throughout domain
s-1

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



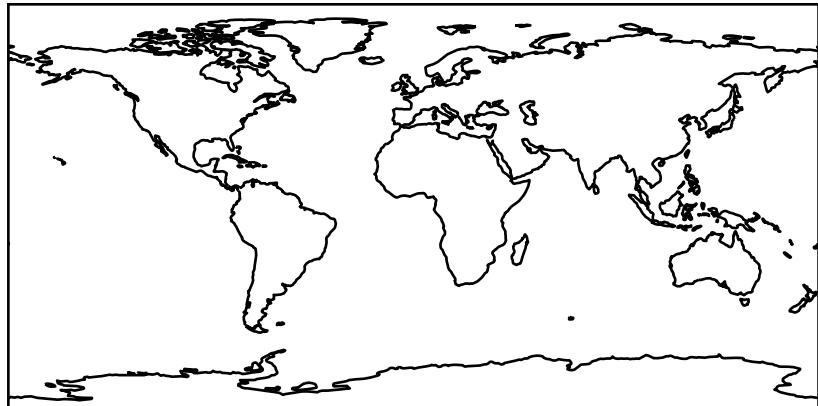
Zero throughout domain
s-1

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



Undefined throughout domain
unitless

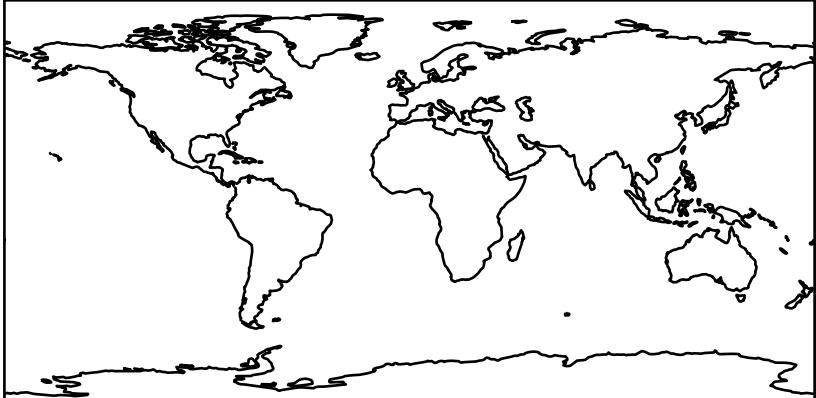
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



Undefined throughout domain
unitless

Jval_RIPB

GCHP_12.7.0 (Ref)
c48



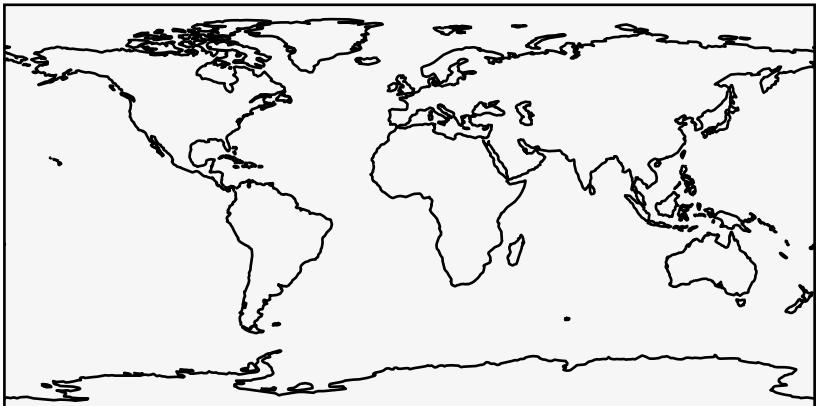
Zero throughout domain
s-1

GCHP_12.8.0 (Dev)
c48



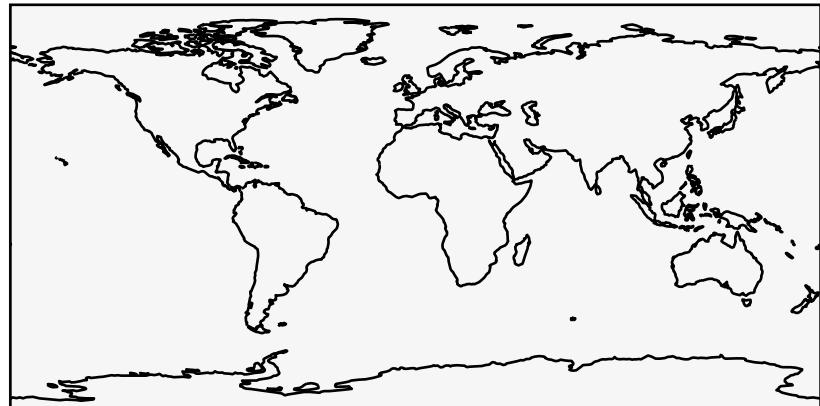
Zero throughout domain
s-1

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



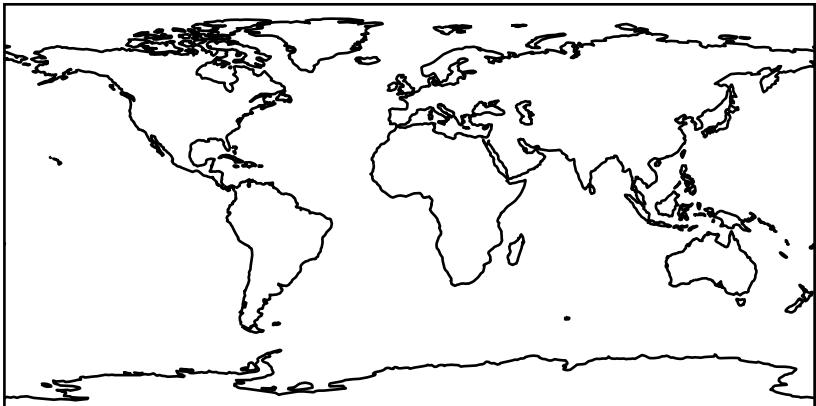
Zero throughout domain
s-1

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



Zero throughout domain
s-1

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



Undefined throughout domain
unitless

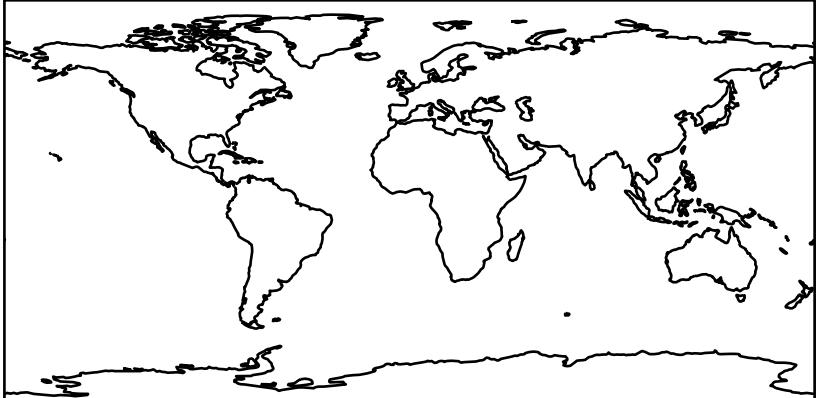
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



Undefined throughout domain
unitless

Jval_RIPC

GCHP_12.7.0 (Ref)
c48



Undefined throughout domain
s-1

GCHP_12.8.0 (Dev)
c48



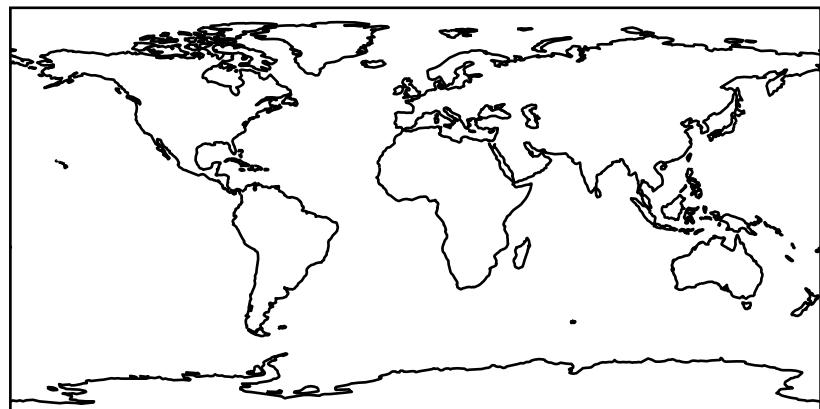
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s-1

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



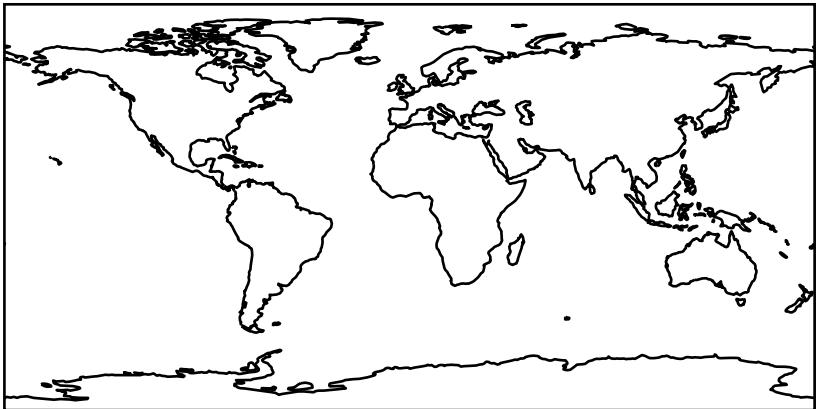
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s-1

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



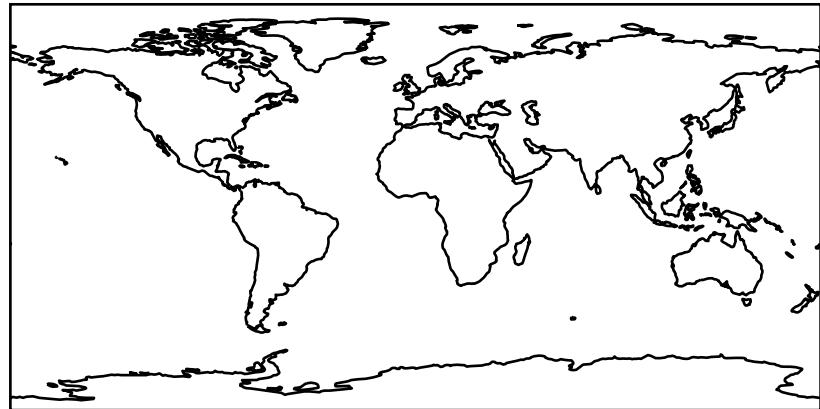
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s-1

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



Undefined throughout domain
unitless

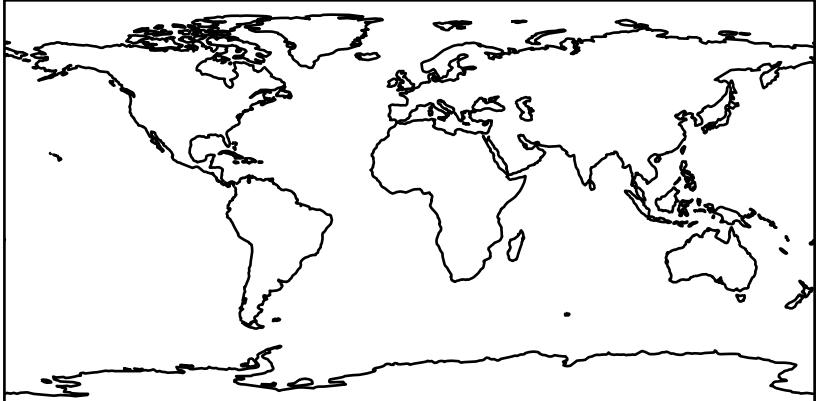
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(Dev-Ref)/Ref, Fixed Range



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Jval_RIPD

GCHP_12.7.0 (Ref)
c48



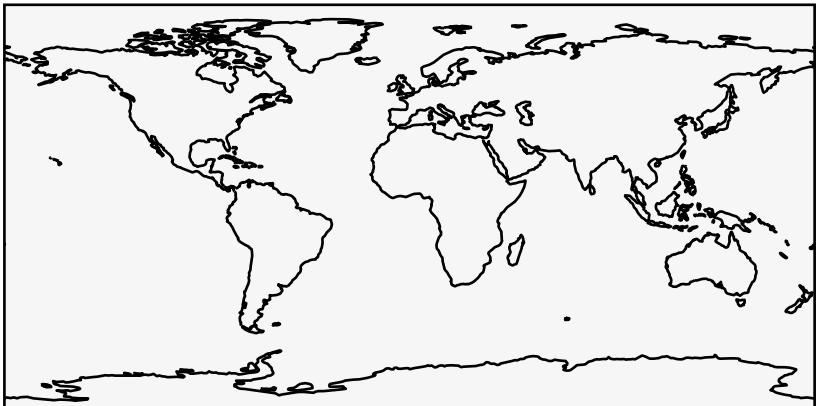
Zero throughout domain
s-1

GCHP_12.8.0 (Dev)
c48



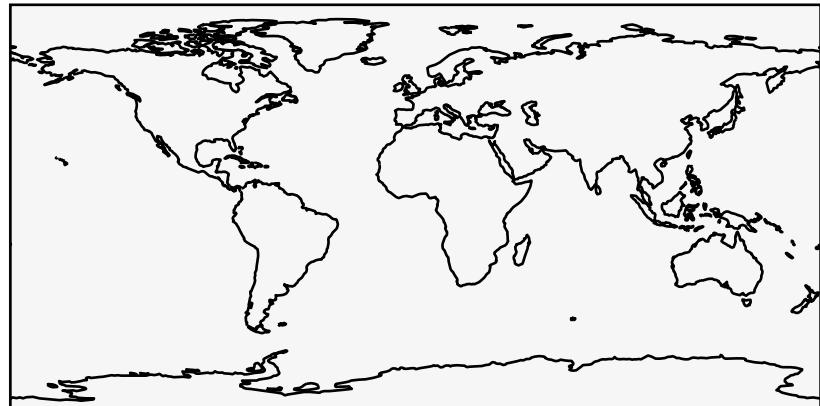
Zero throughout domain
s-1

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



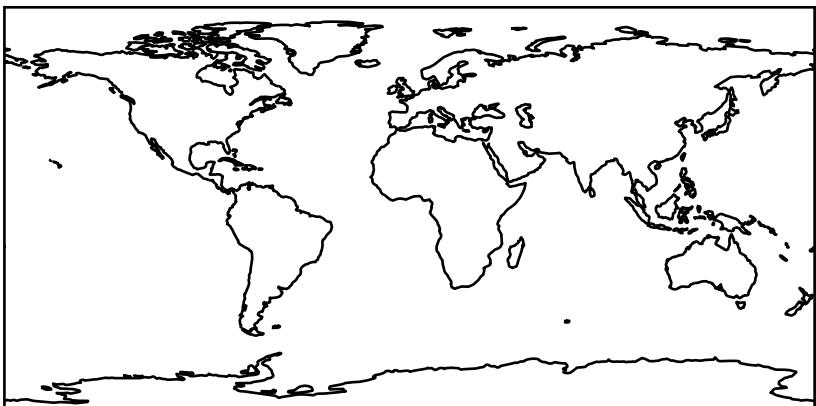
Zero throughout domain
s-1

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



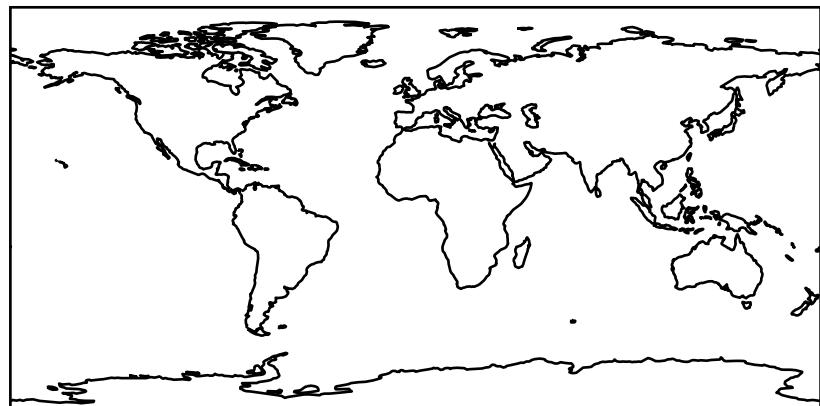
Zero throughout domain
s-1

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



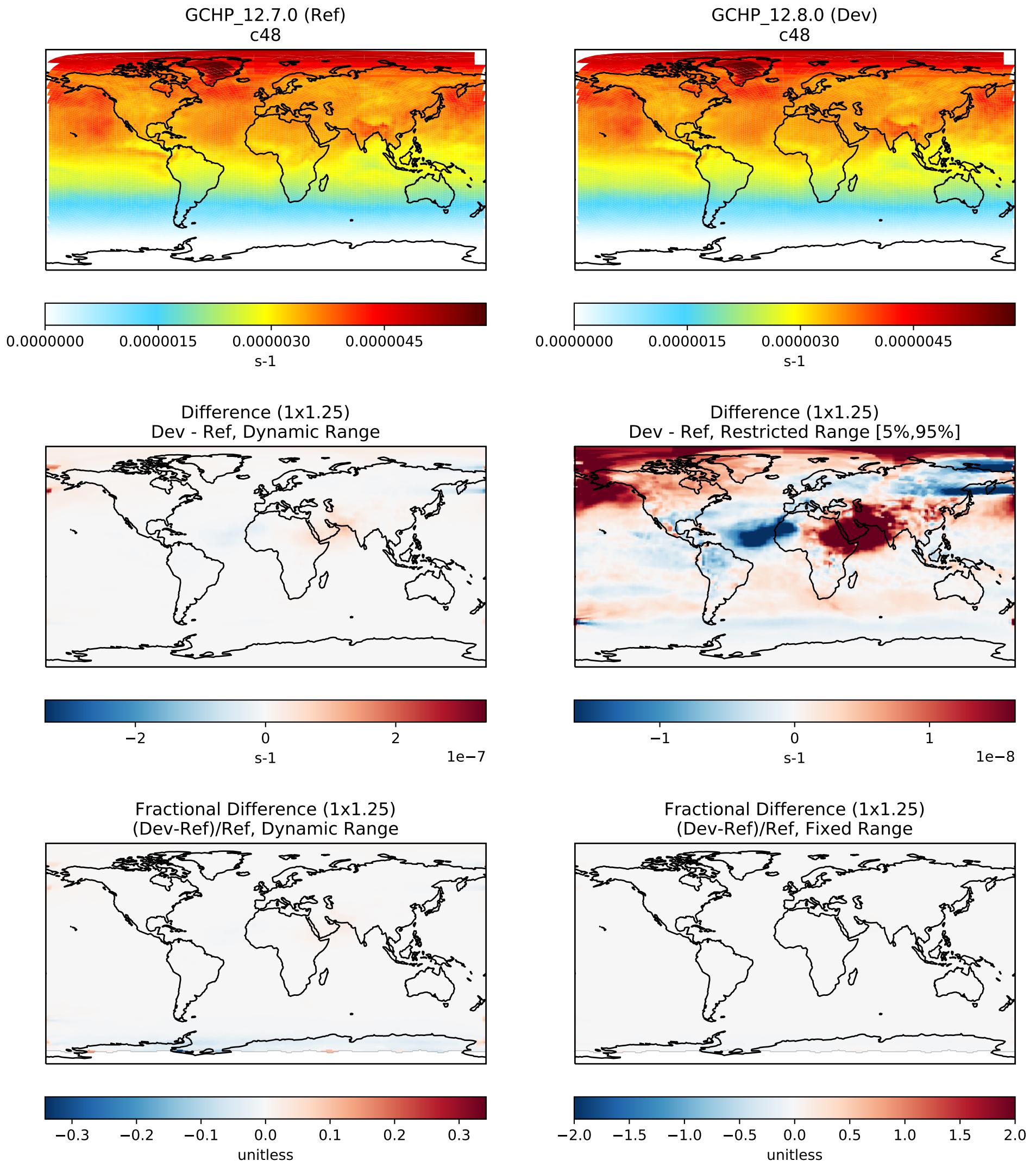
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Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



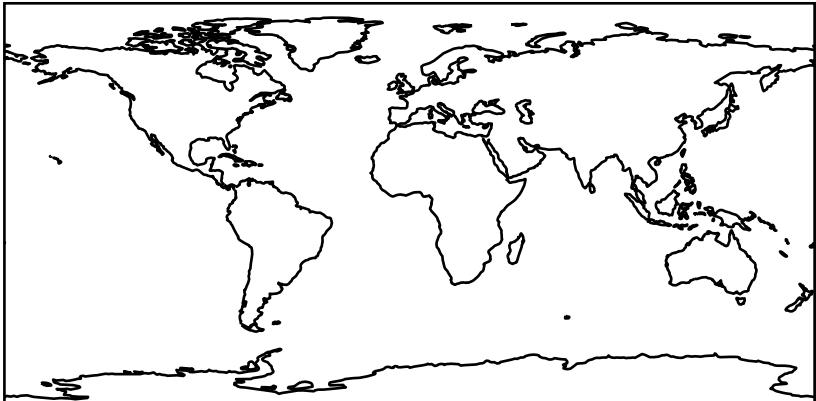
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Jval_RP



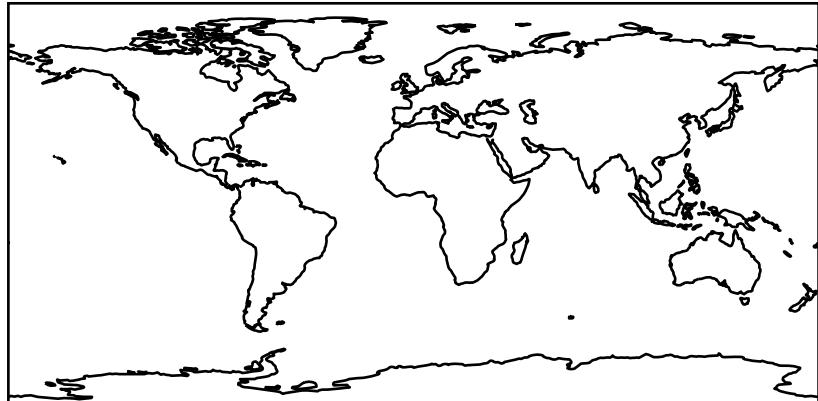
Jval_SO4

GCHP_12.7.0 (Ref)
c48



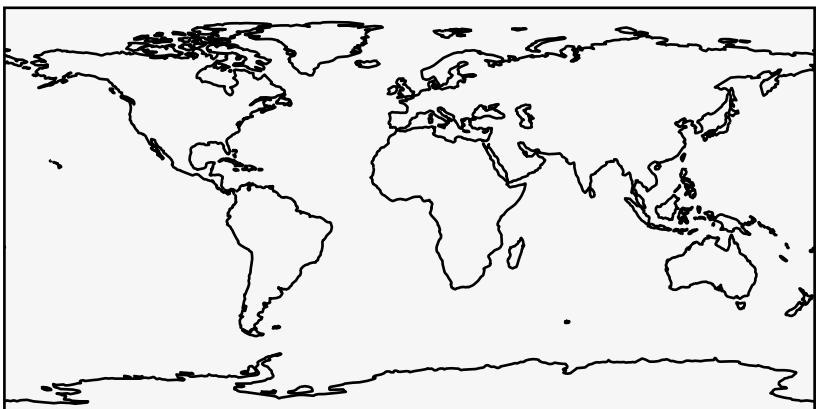
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s-1

GCHP_12.8.0 (Dev)
c48



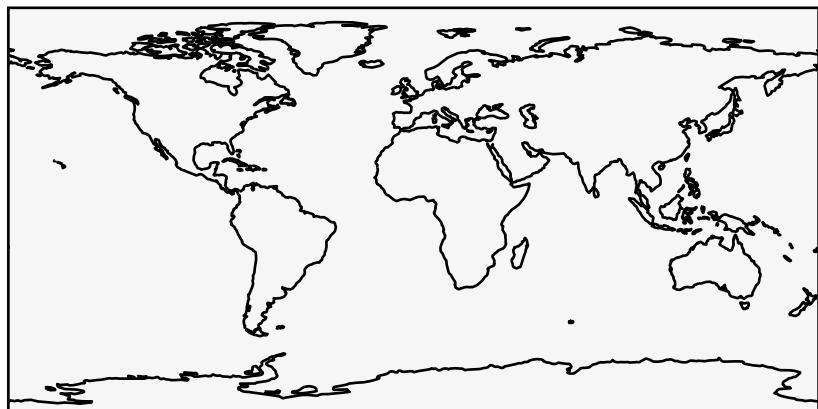
Zero throughout domain
s-1

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



Zero throughout domain
s-1

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



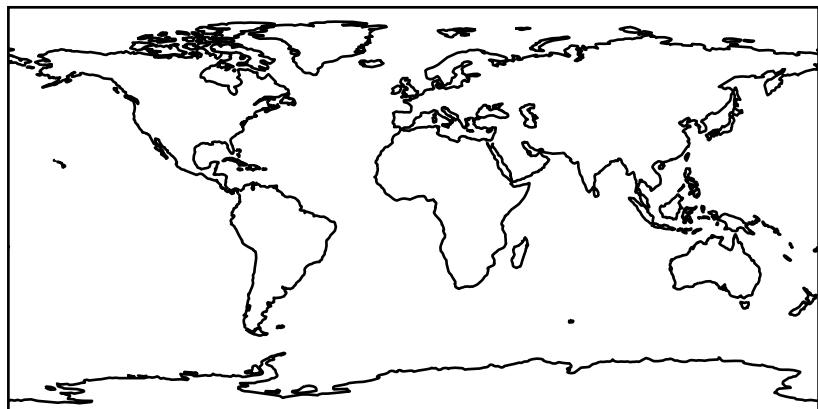
Zero throughout domain
s-1

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



Undefined throughout domain
unitless

Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



Undefined throughout domain
unitless

Jval_VRP

