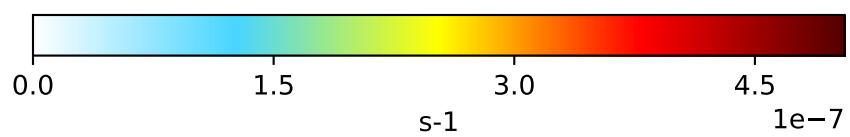
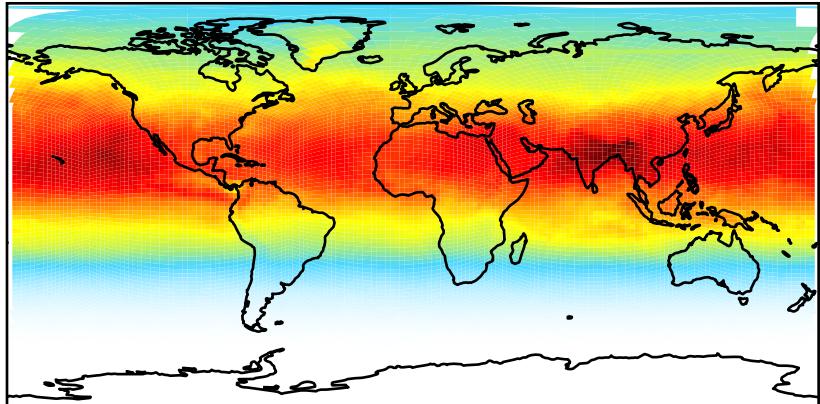
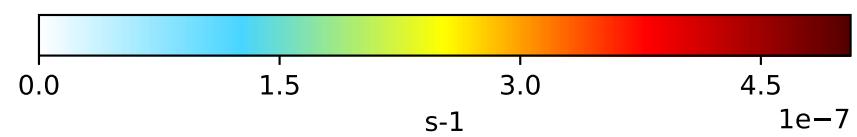
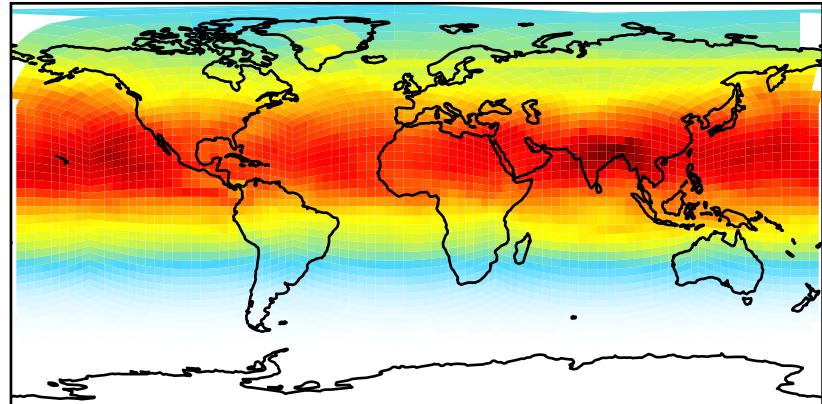


Jval_ACET

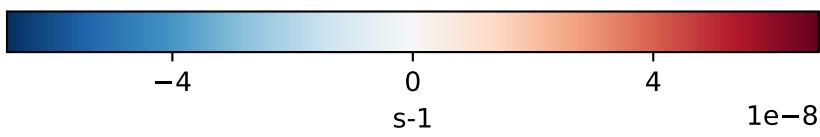
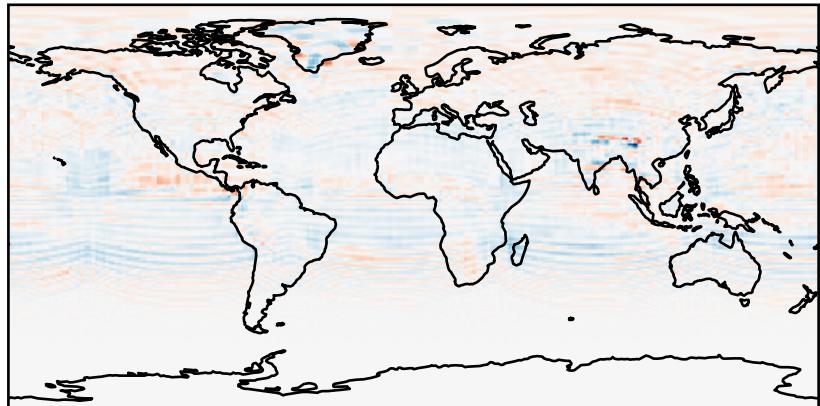
GCHP_12.4.0 (Ref)
c48



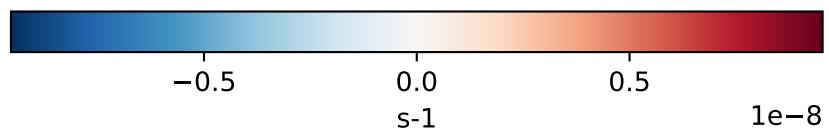
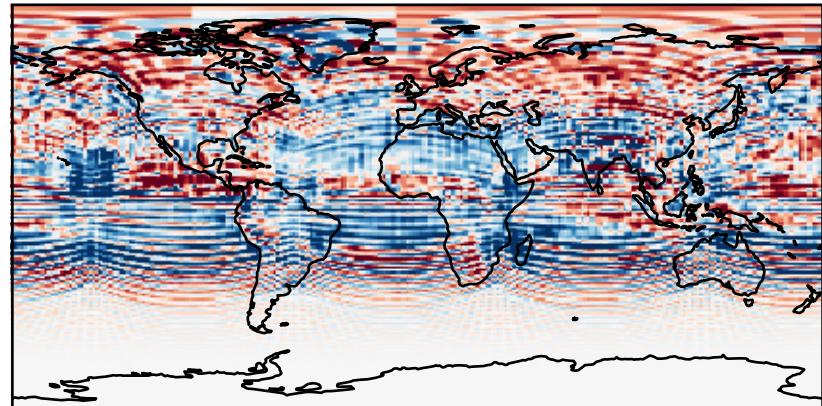
GCHP_12.5.0_c24 (Dev)
c24



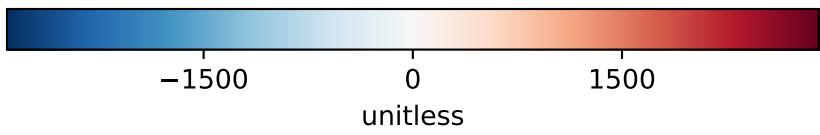
Difference (1x1.25)
Dev - Ref, Dynamic Range



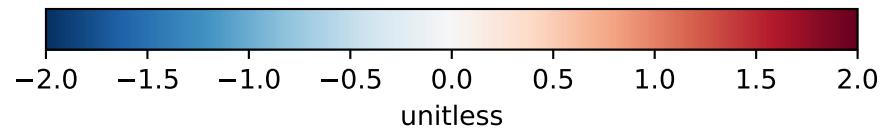
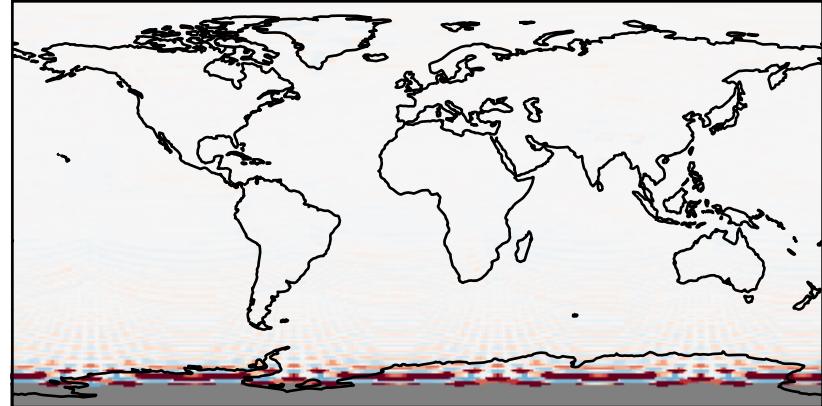
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



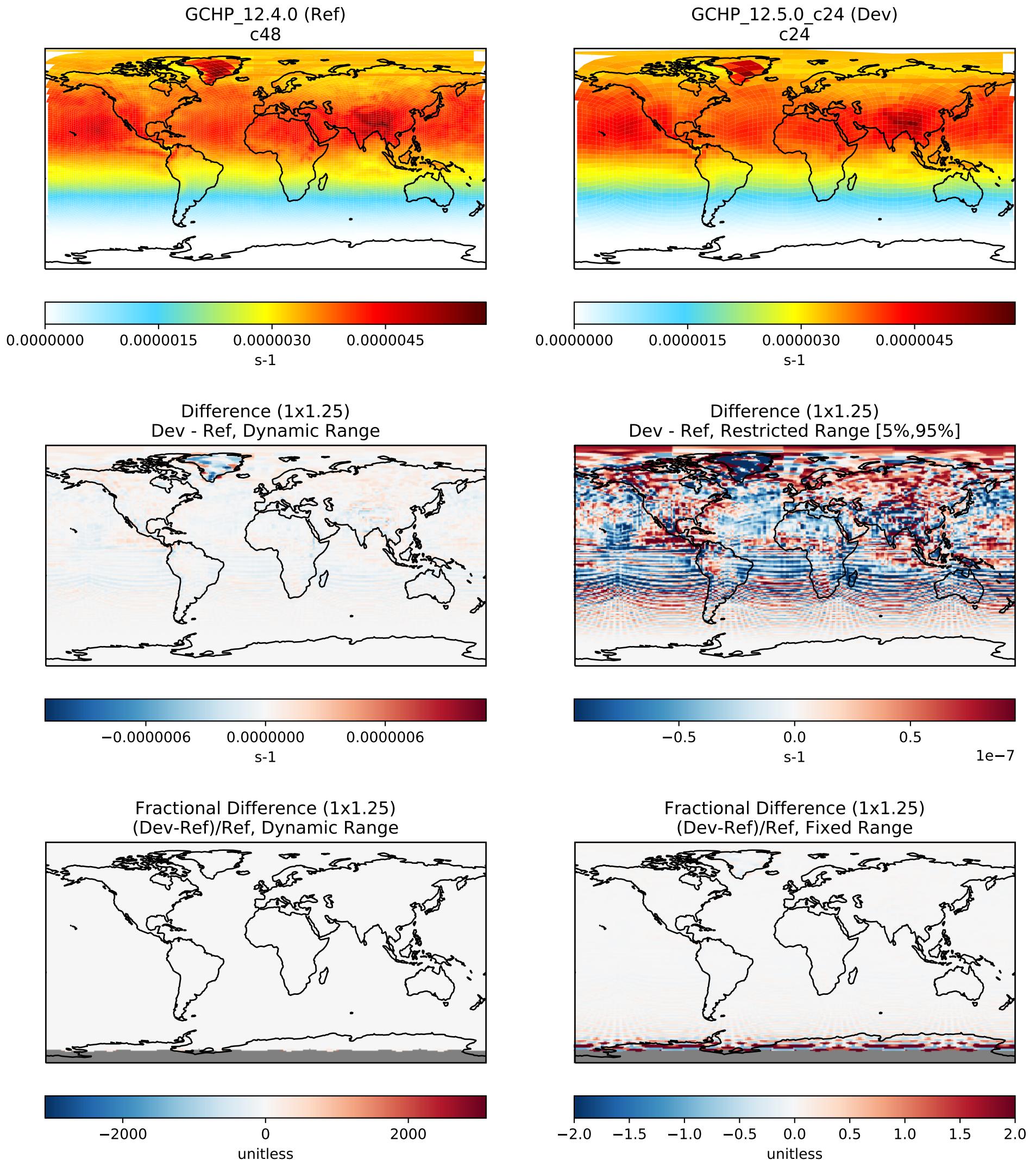
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



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

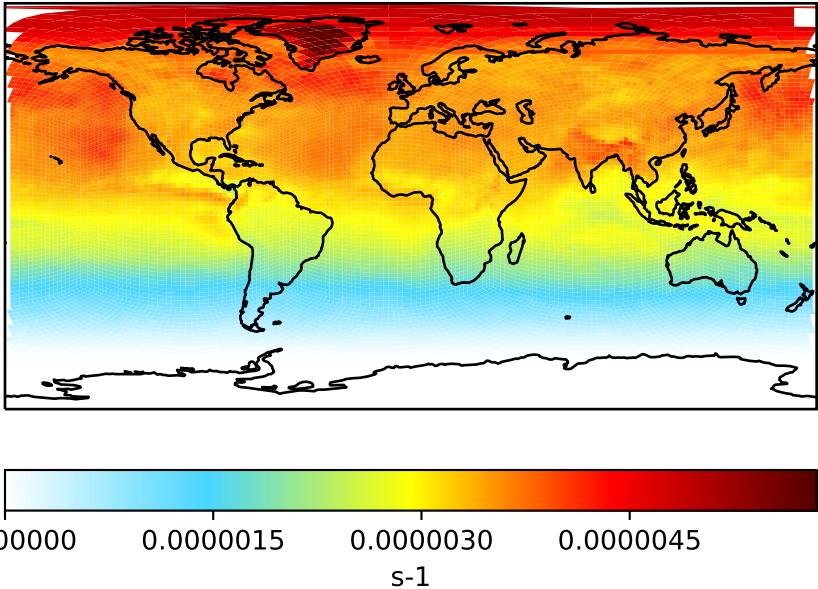


Jval_ALD2

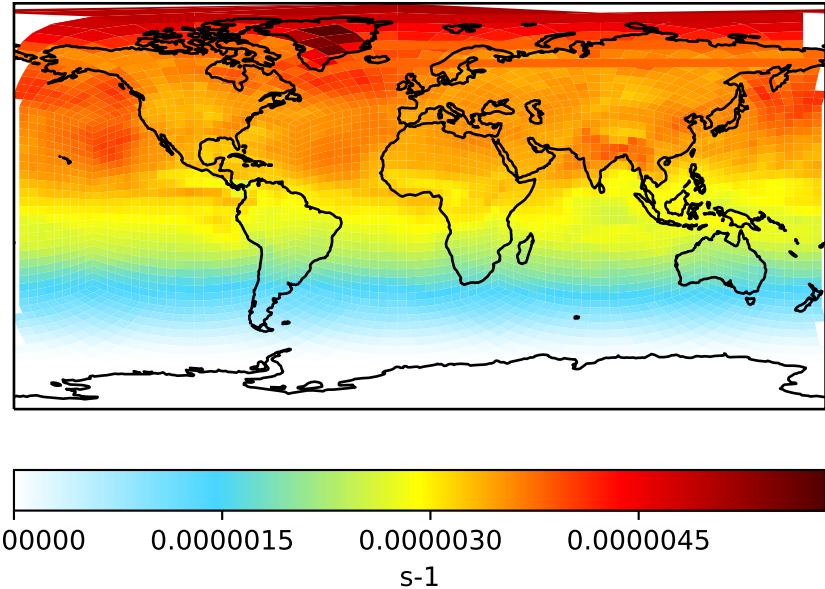


Jval_ATOOH

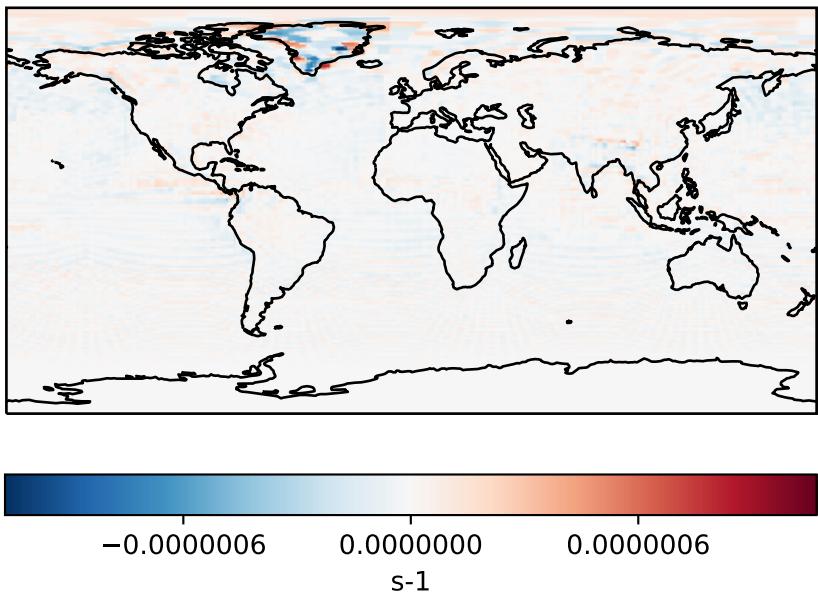
GCHP_12.4.0 (Ref)
c48



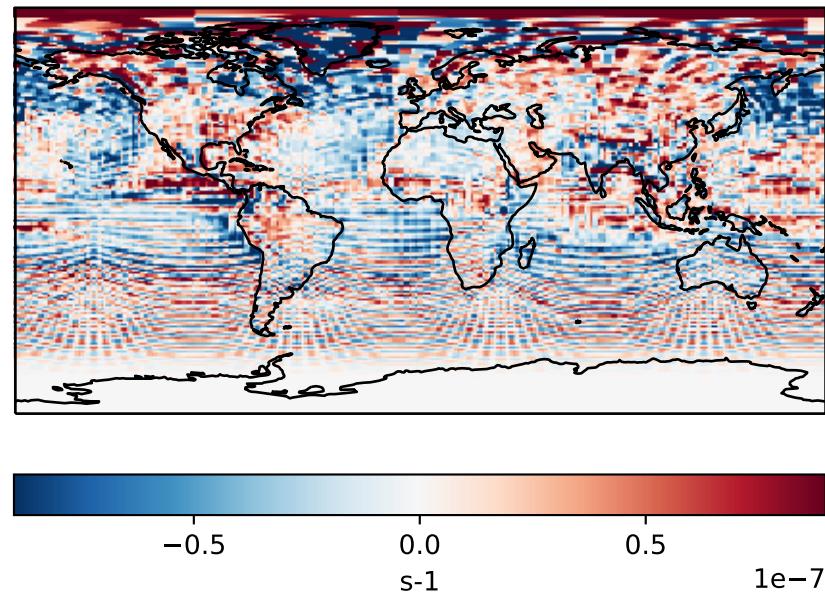
GCHP_12.5.0_c24 (Dev)
c24



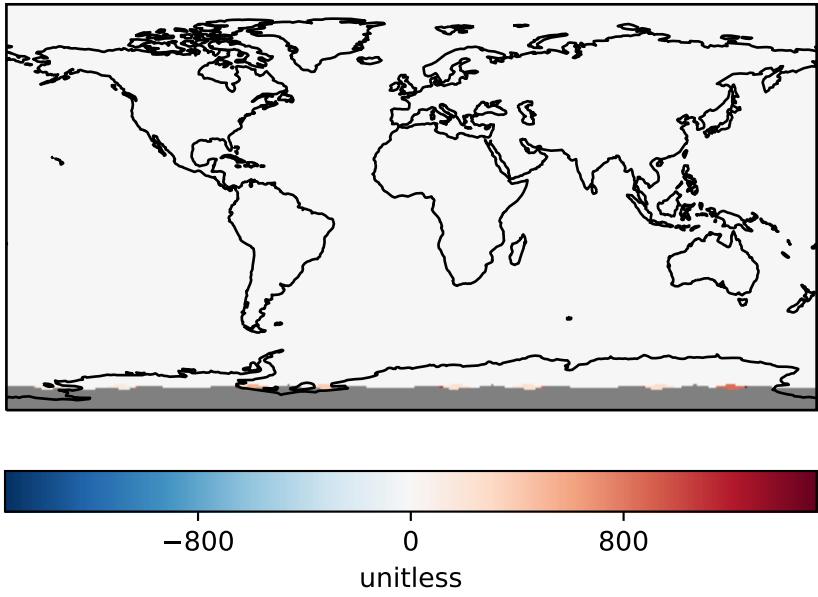
Difference (1x1.25)
Dev - Ref, Dynamic Range



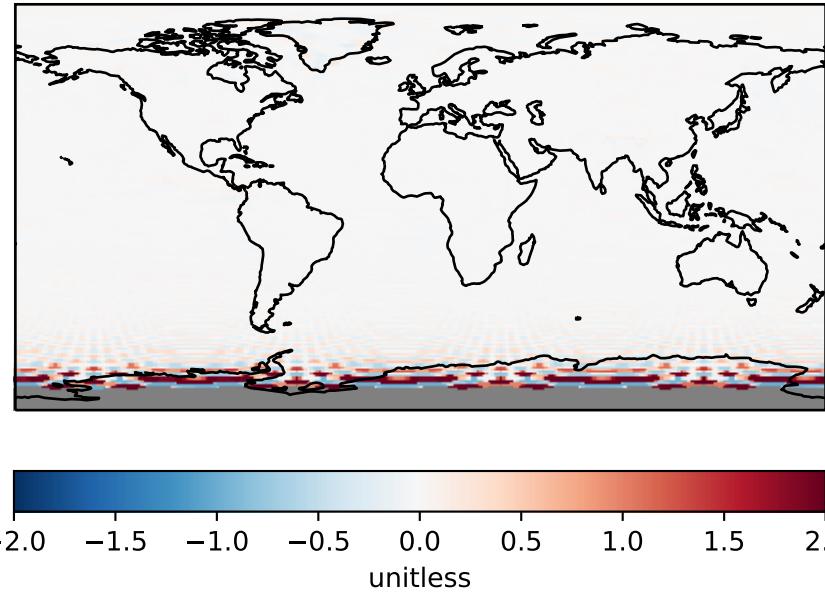
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

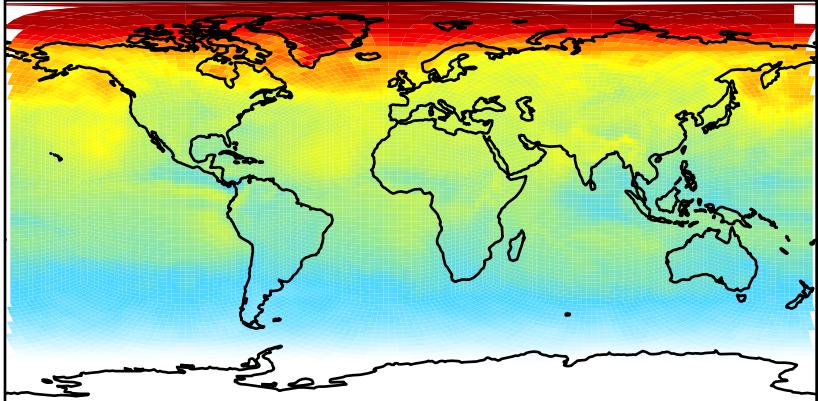


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

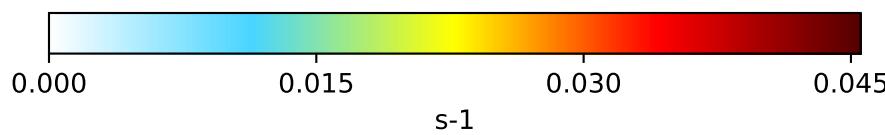
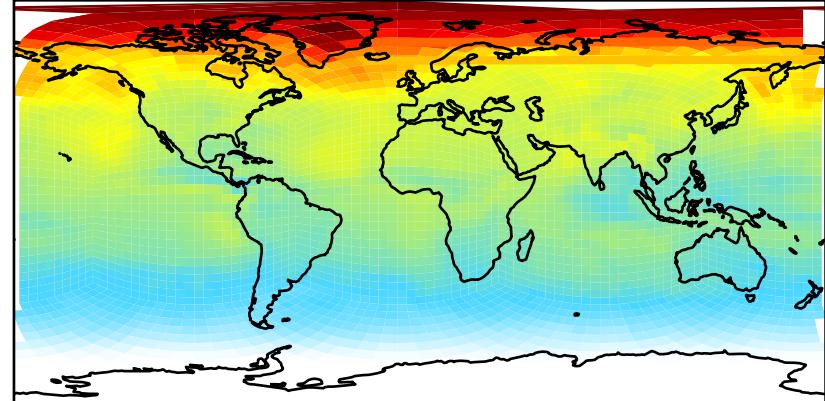


Jval_Br2

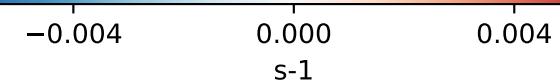
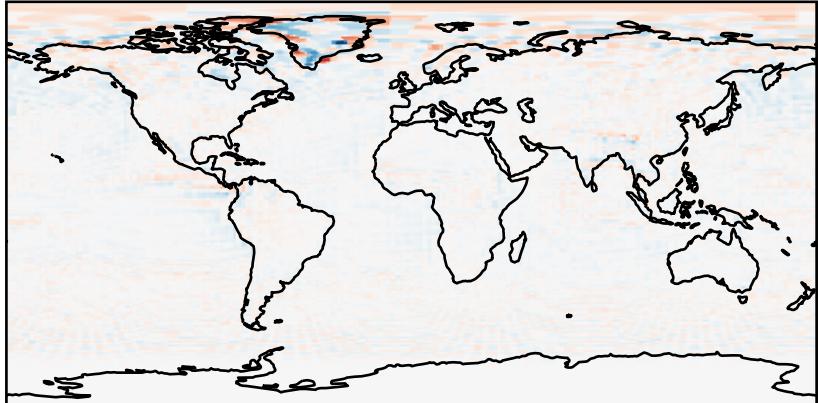
GCHP_12.4.0 (Ref)
c48



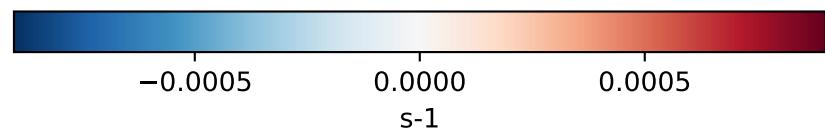
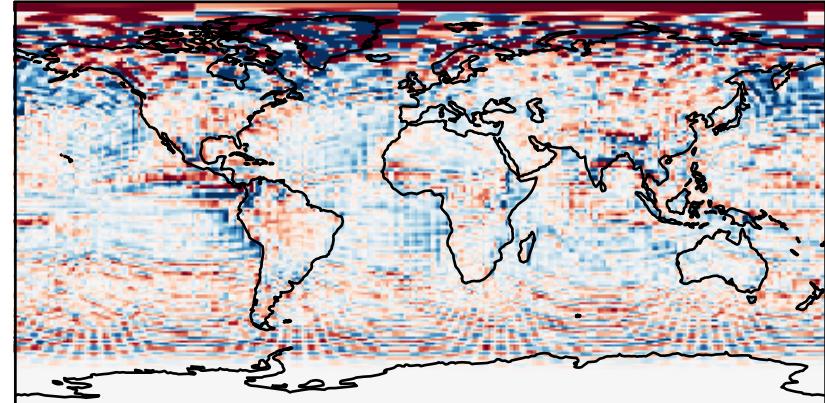
GCHP_12.5.0_c24 (Dev)
c24



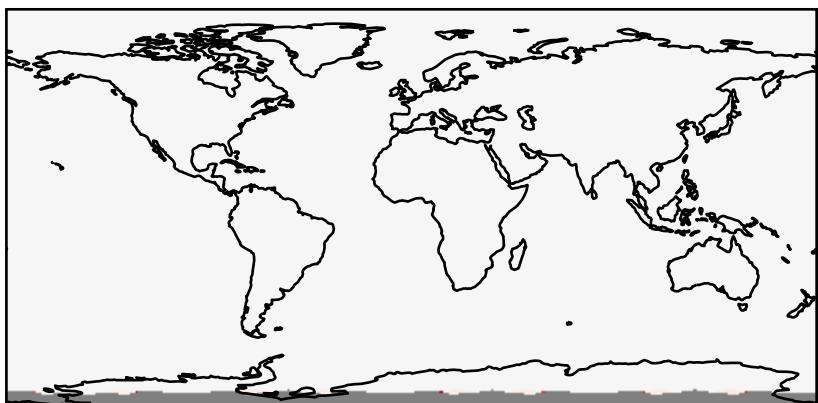
Difference (1x1.25)
Dev - Ref, Dynamic Range



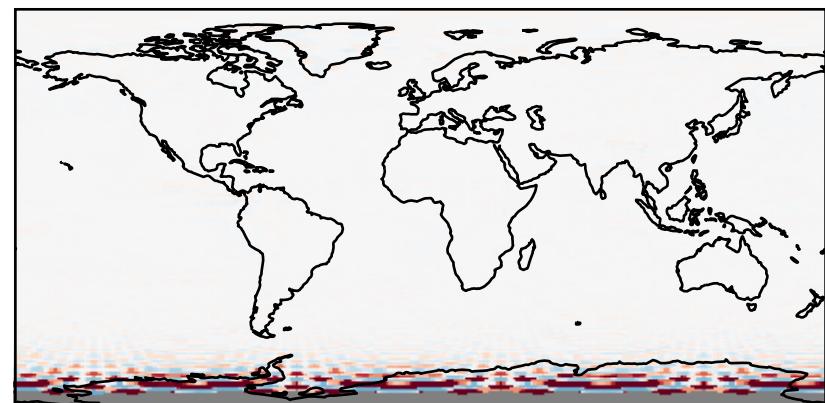
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

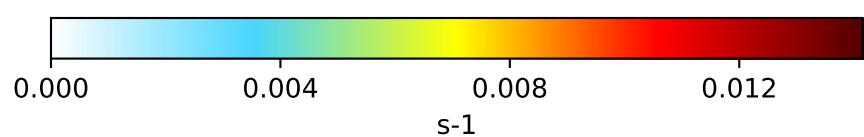
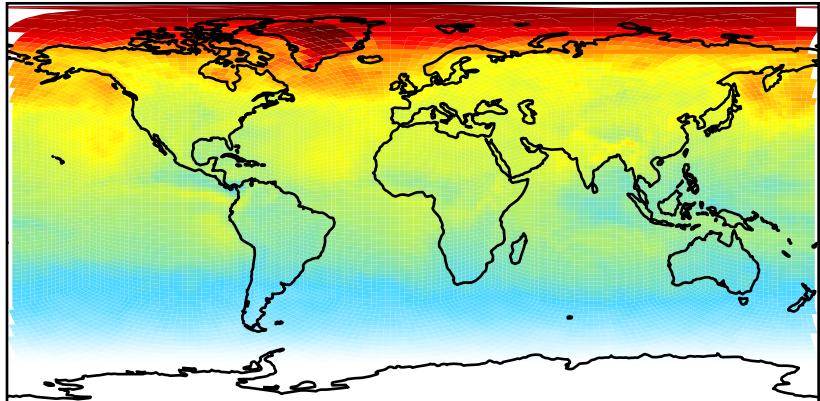


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

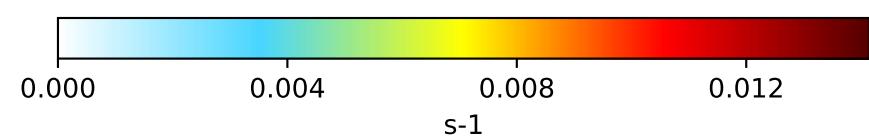
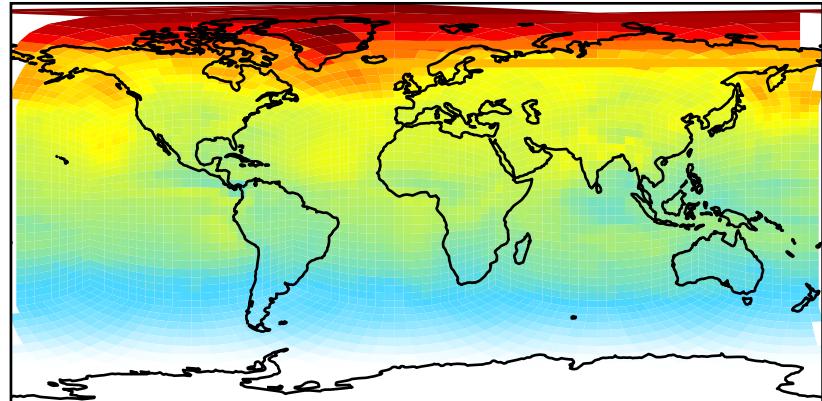


Jval_BrCl

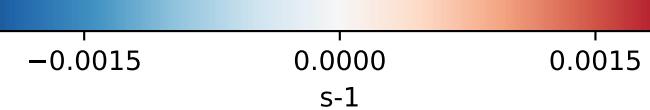
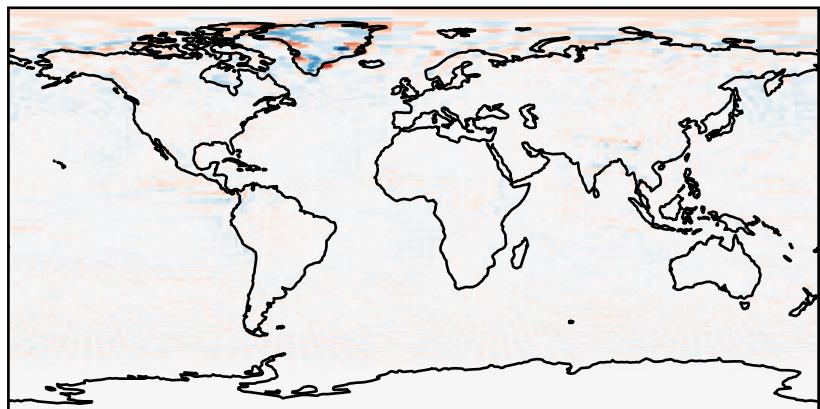
GCHP_12.4.0 (Ref)
c48



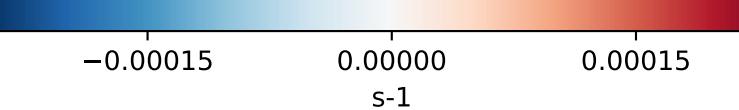
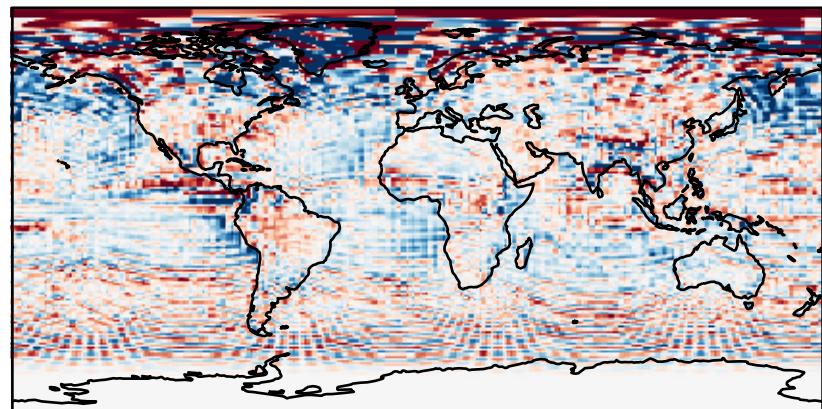
GCHP_12.5.0_c24 (Dev)
c24



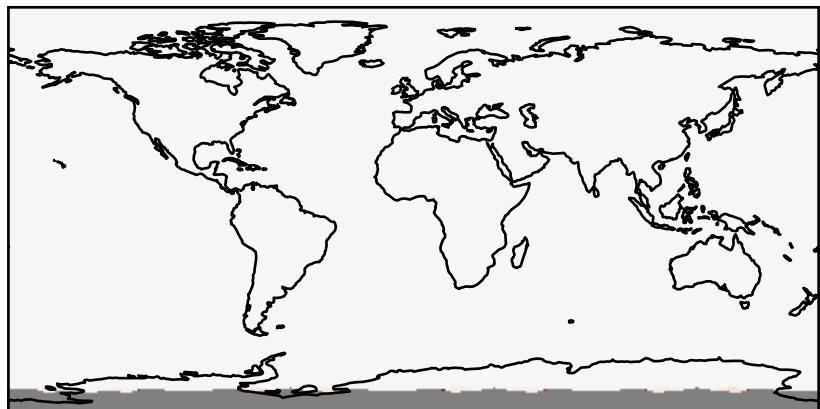
Difference (1x1.25)
Dev - Ref, Dynamic Range



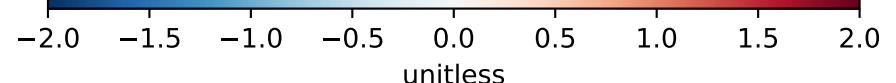
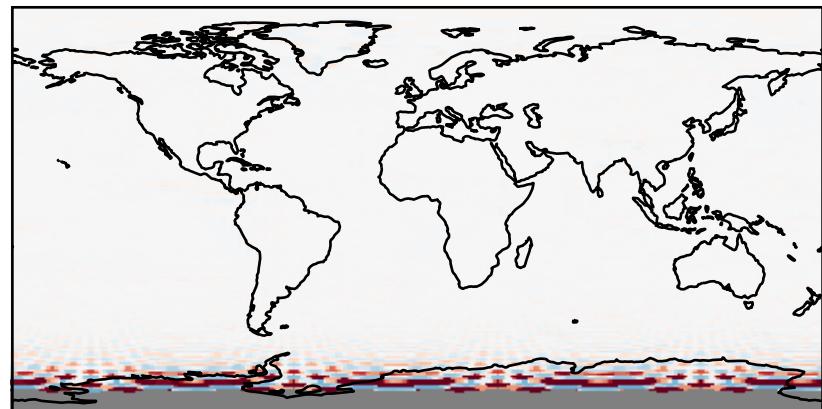
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

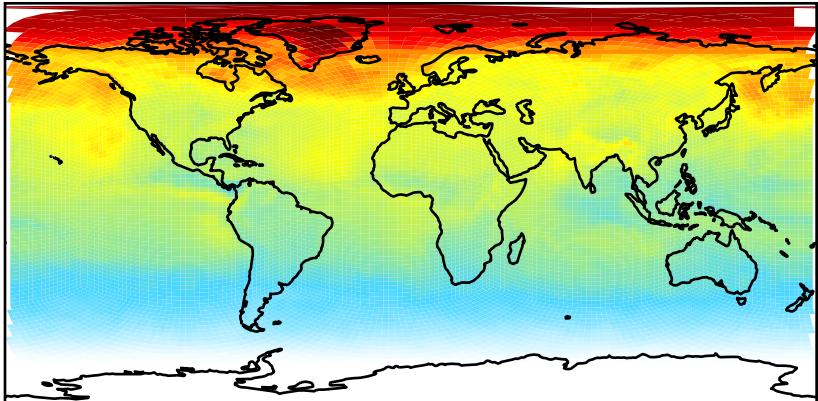


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

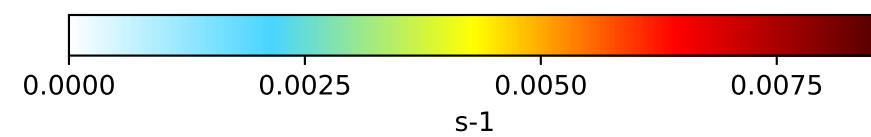
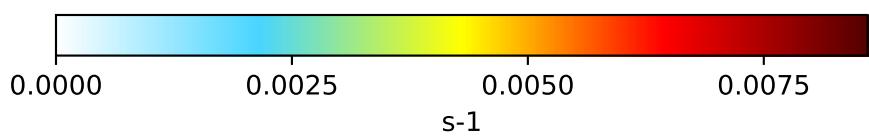
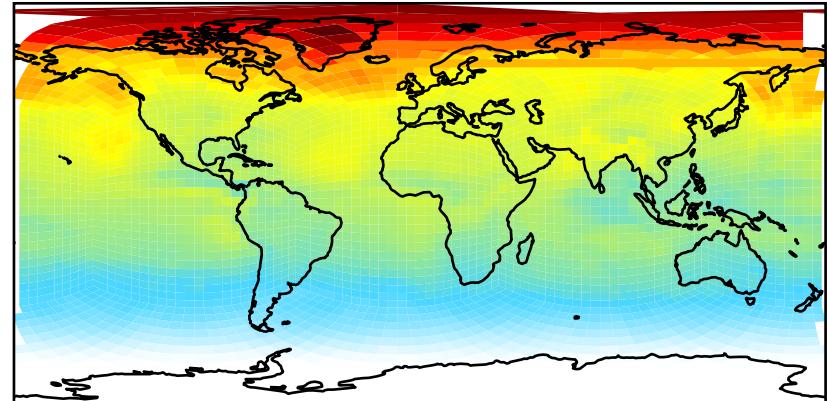


Jval_BrNO2

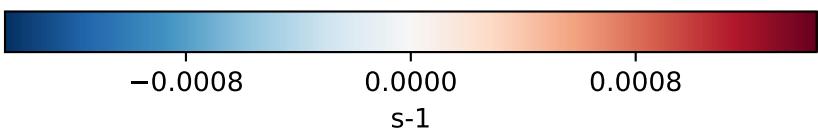
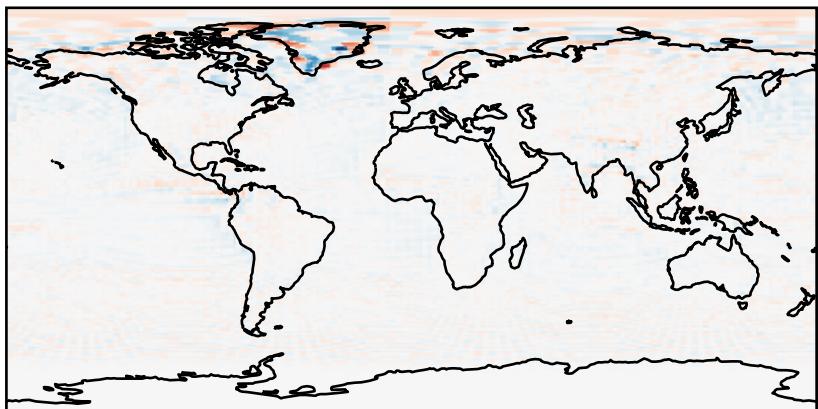
GCHP_12.4.0 (Ref)
c48



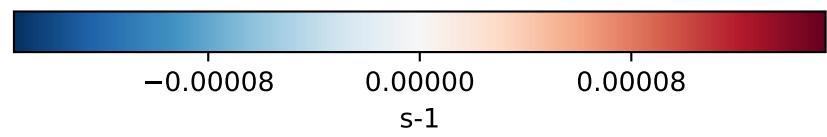
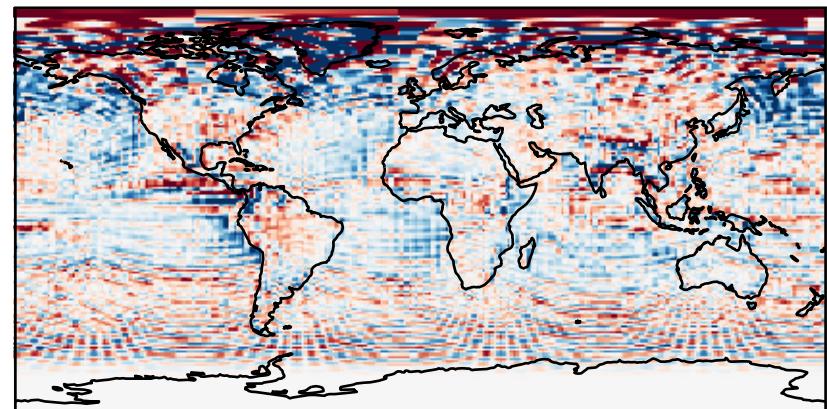
GCHP_12.5.0_c24 (Dev)
c24



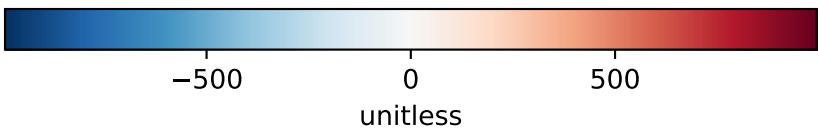
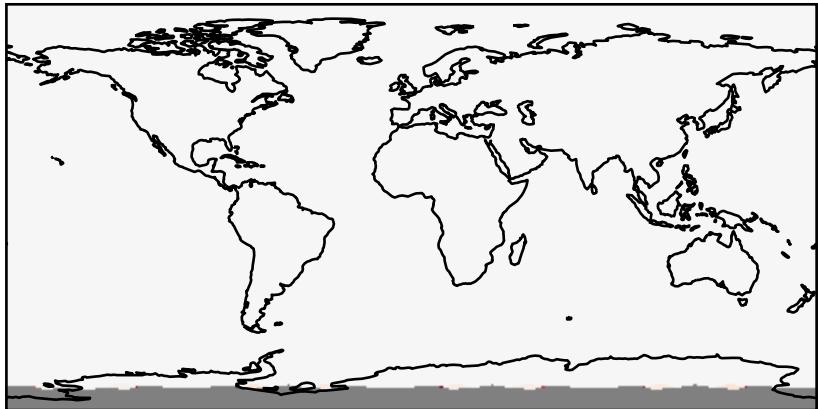
Difference (1x1.25)
Dev - Ref, Dynamic Range



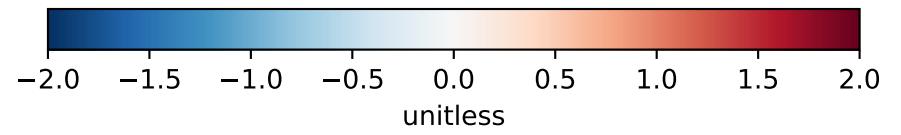
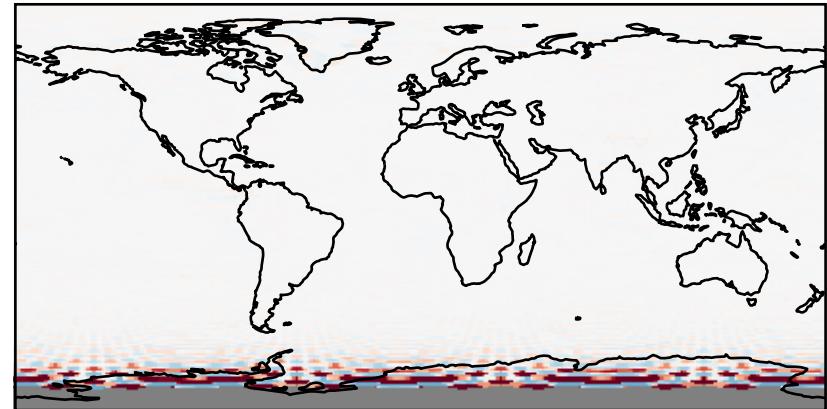
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

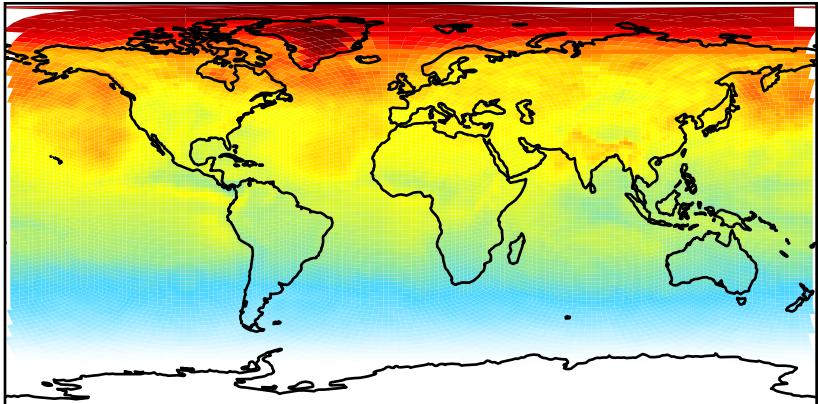


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

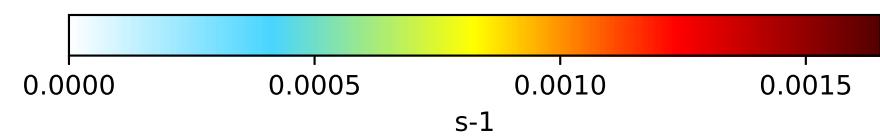
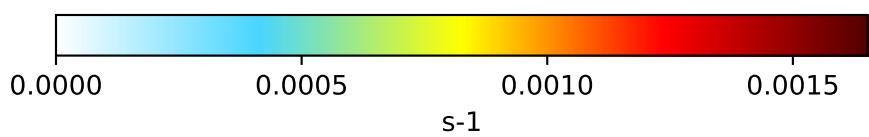
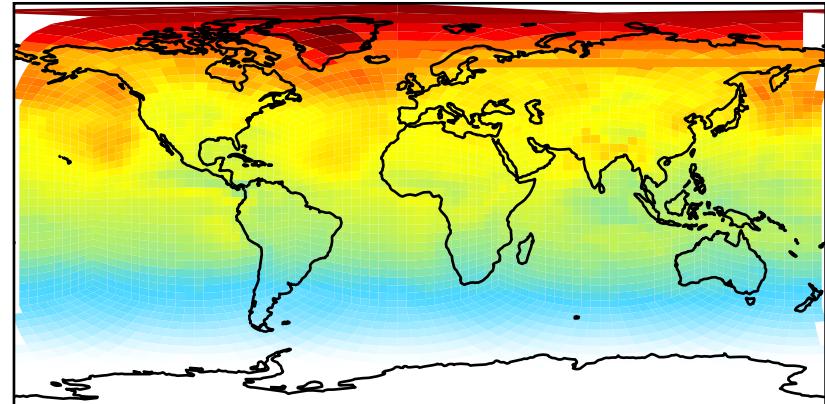


Jval_BrNO3

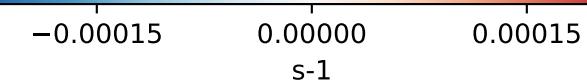
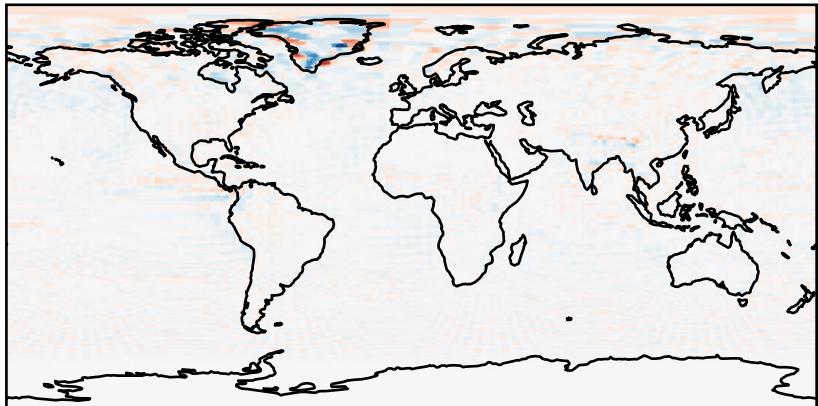
GCHP_12.4.0 (Ref)
c48



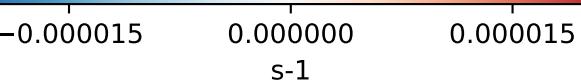
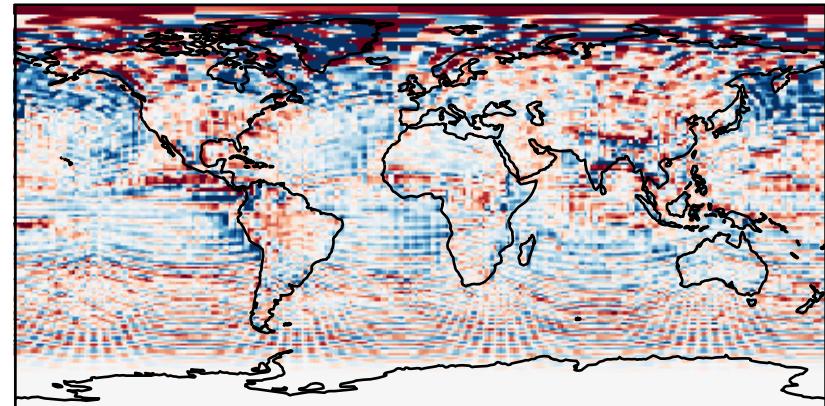
GCHP_12.5.0_c24 (Dev)
c24



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



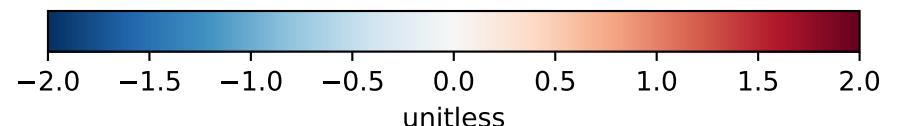
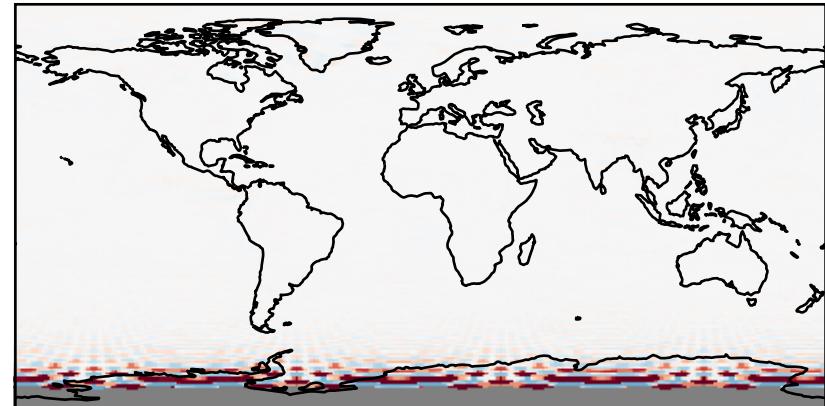
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

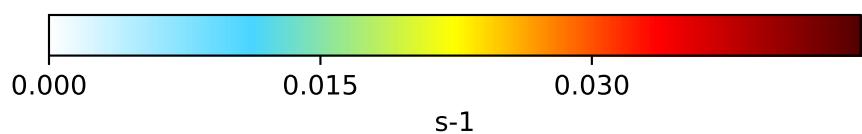
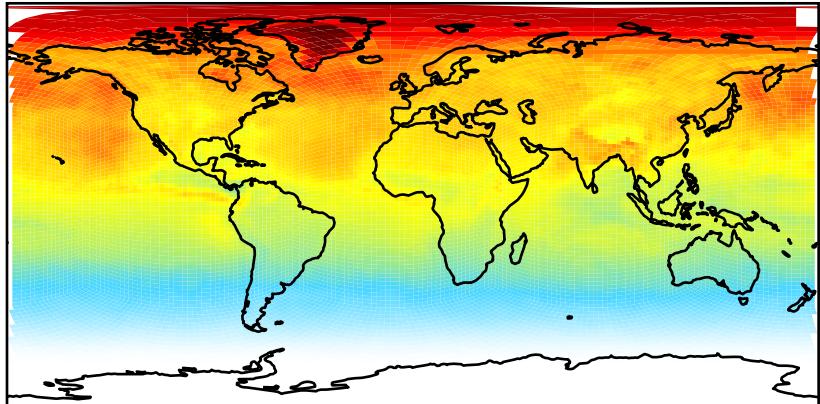


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

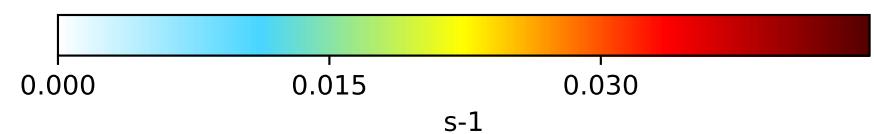
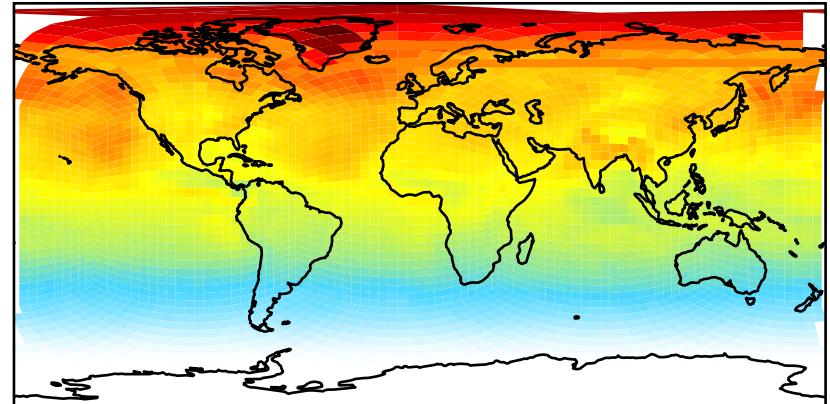


Jval_BrO

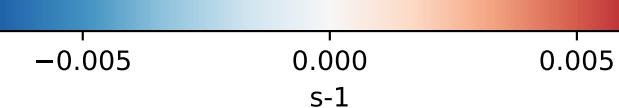
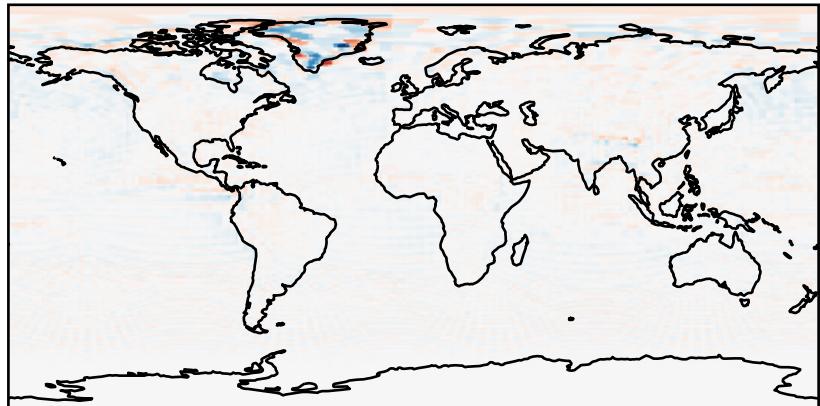
GCHP_12.4.0 (Ref)
c48



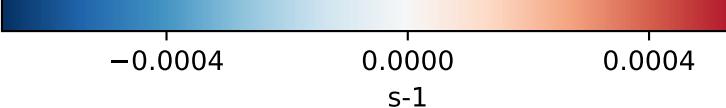
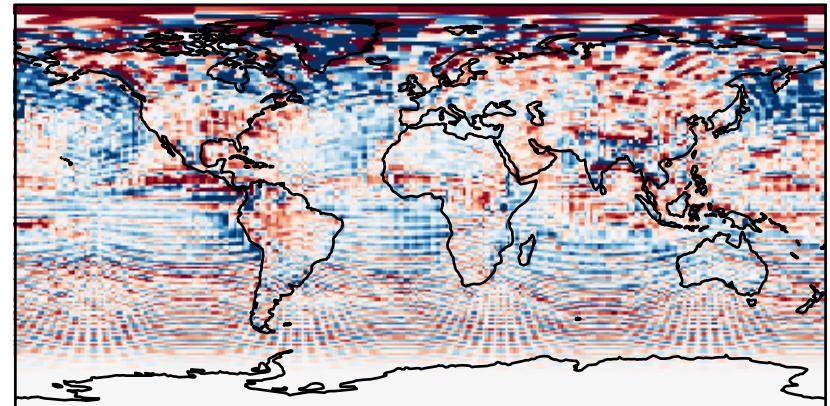
GCHP_12.5.0_c24 (Dev)
c24



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



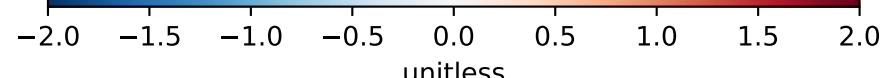
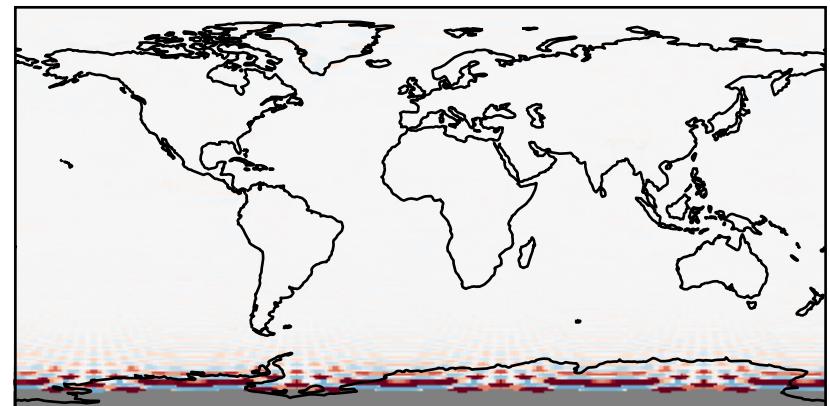
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



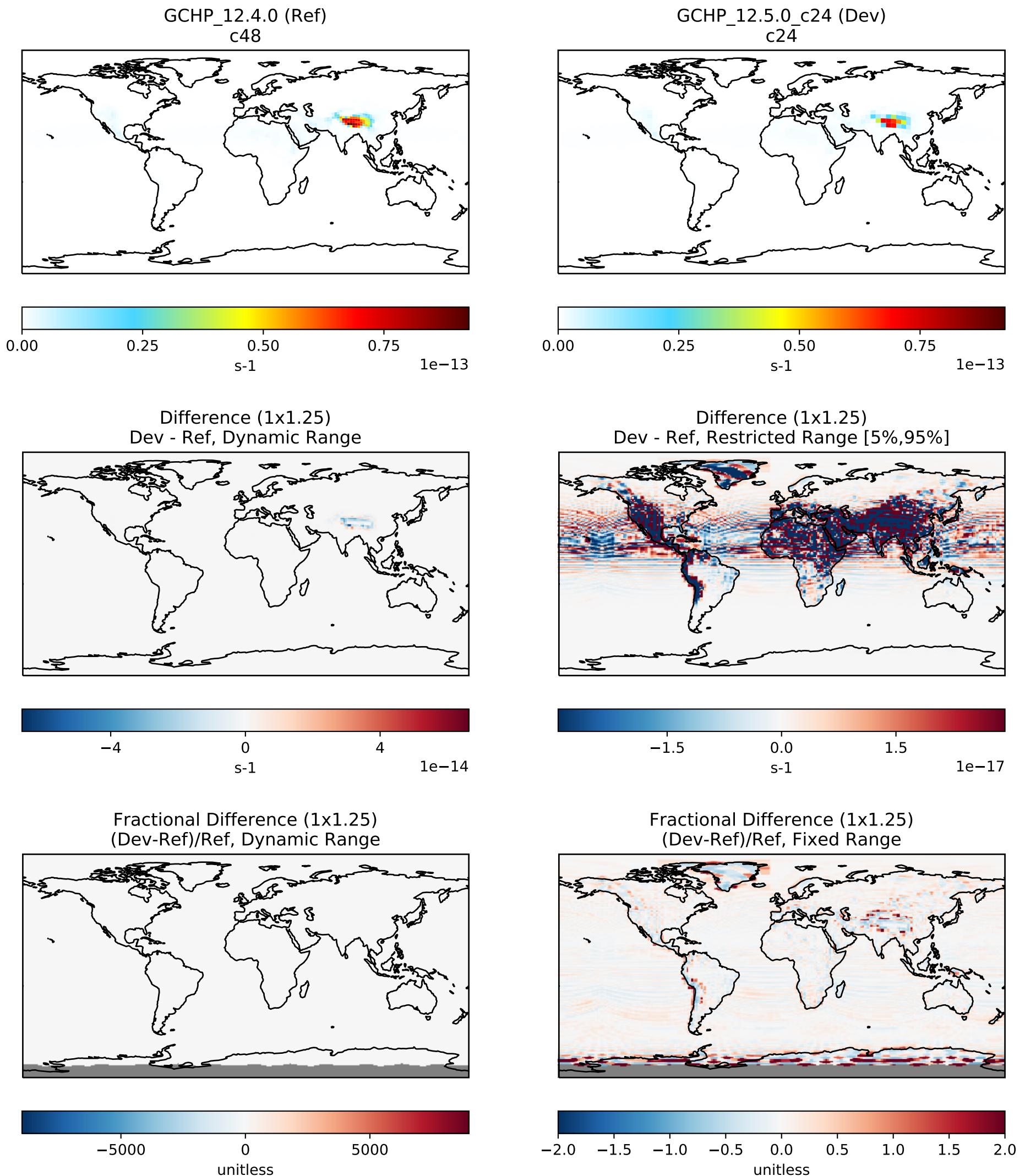
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



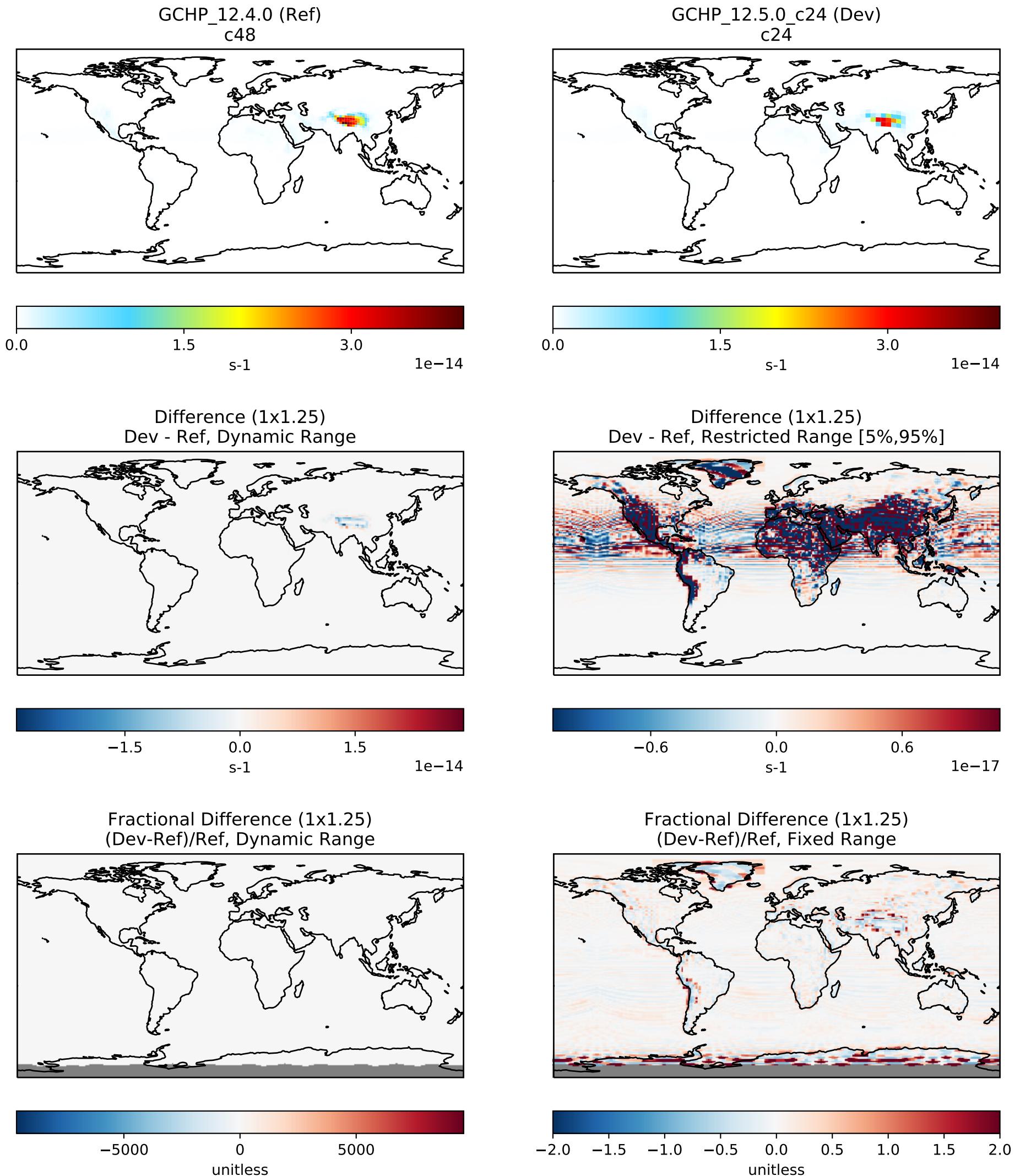
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



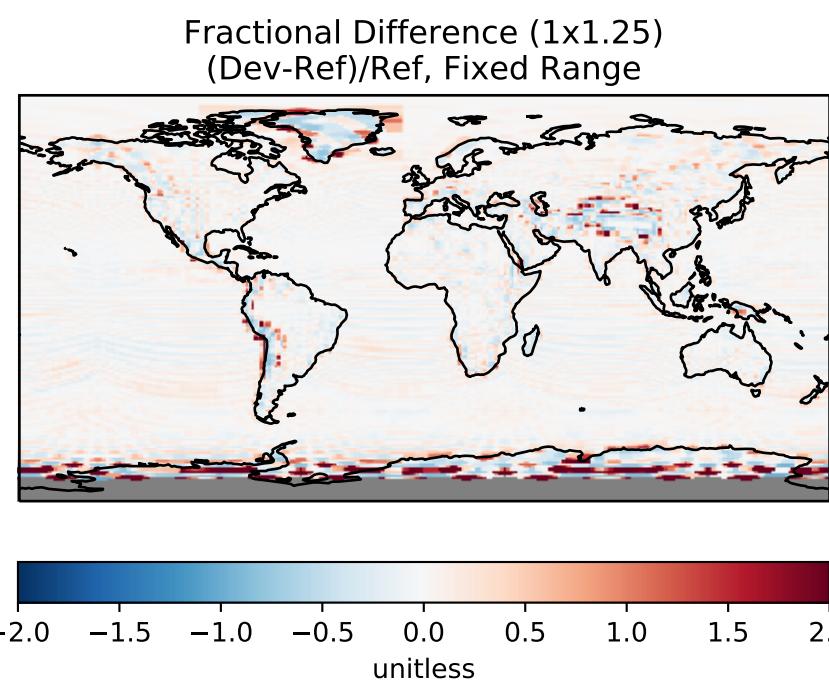
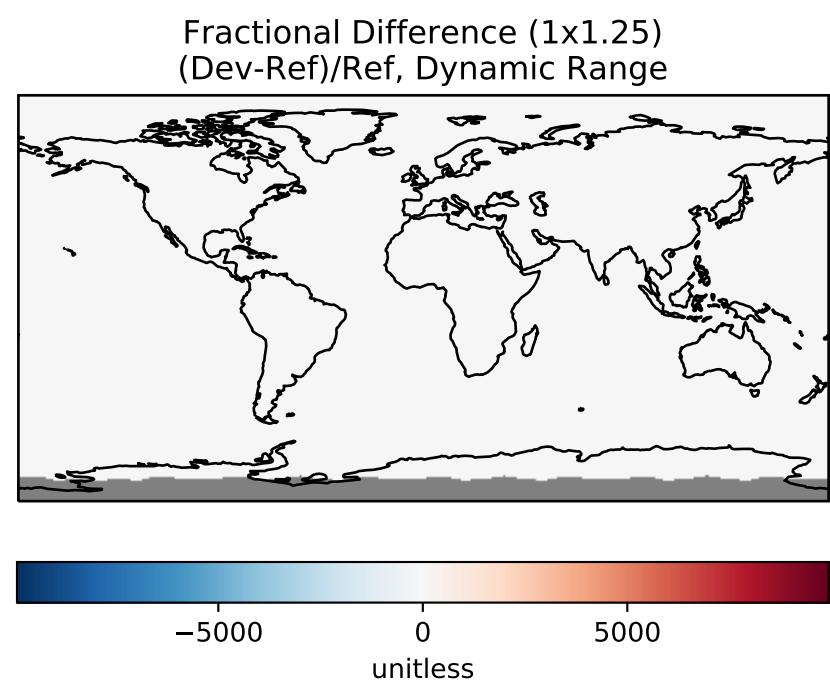
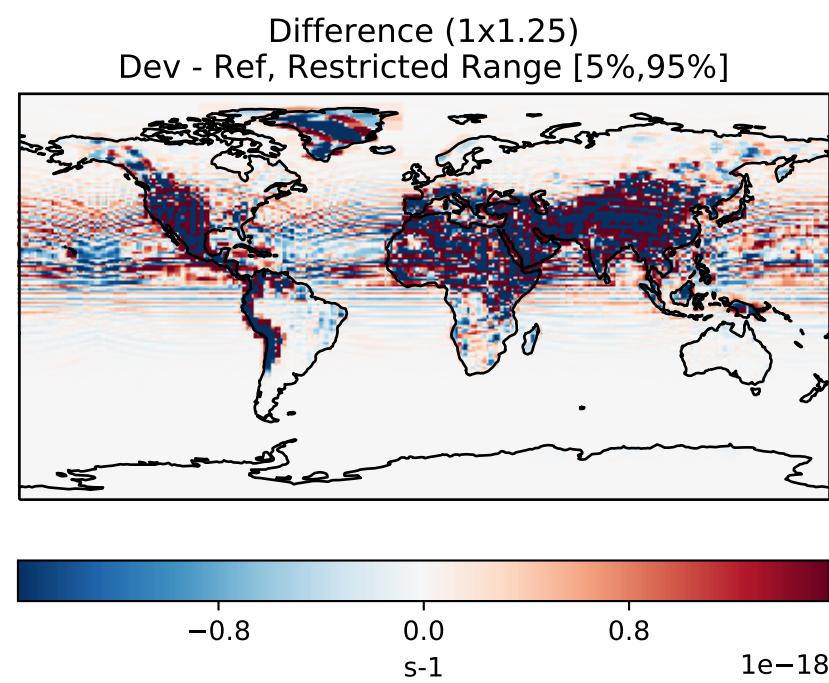
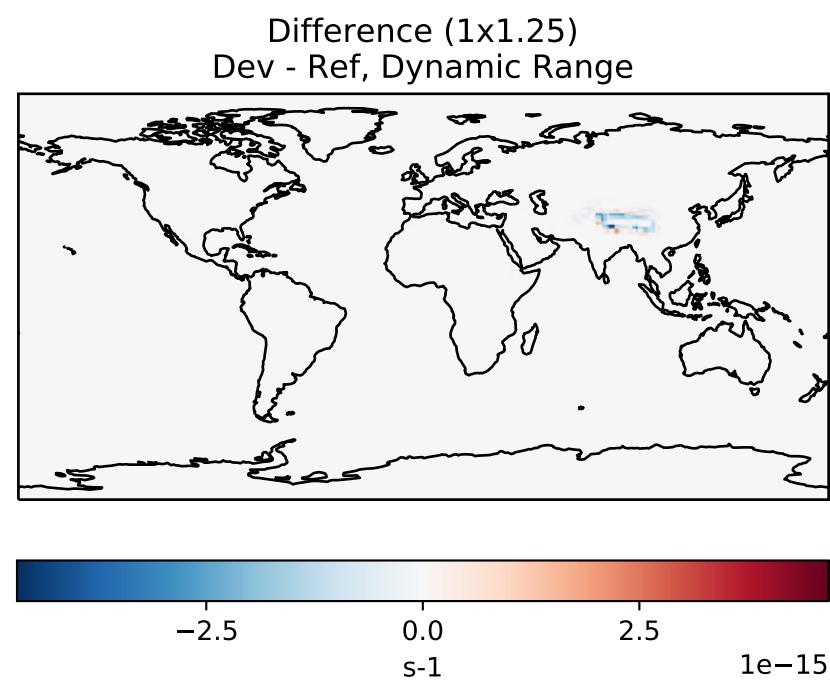
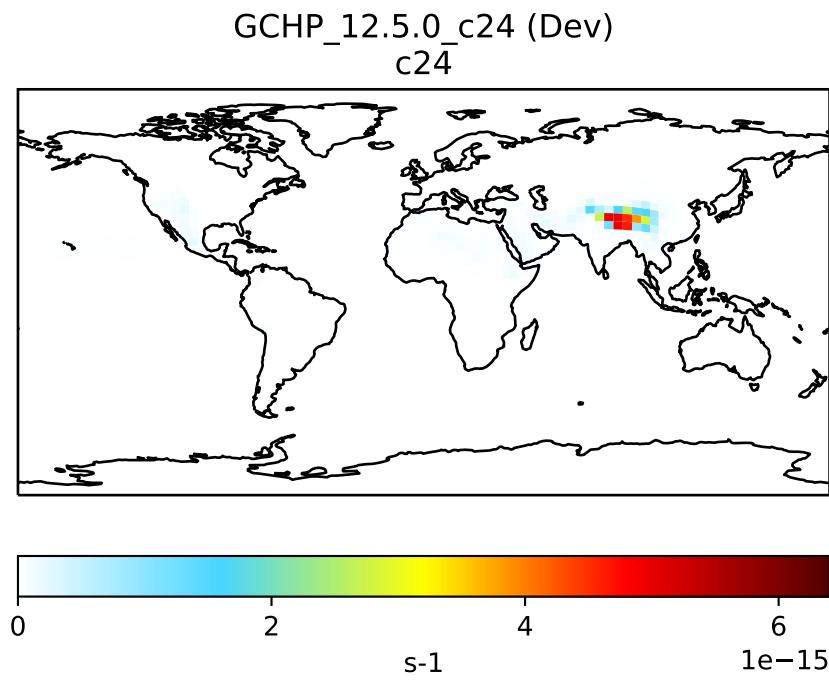
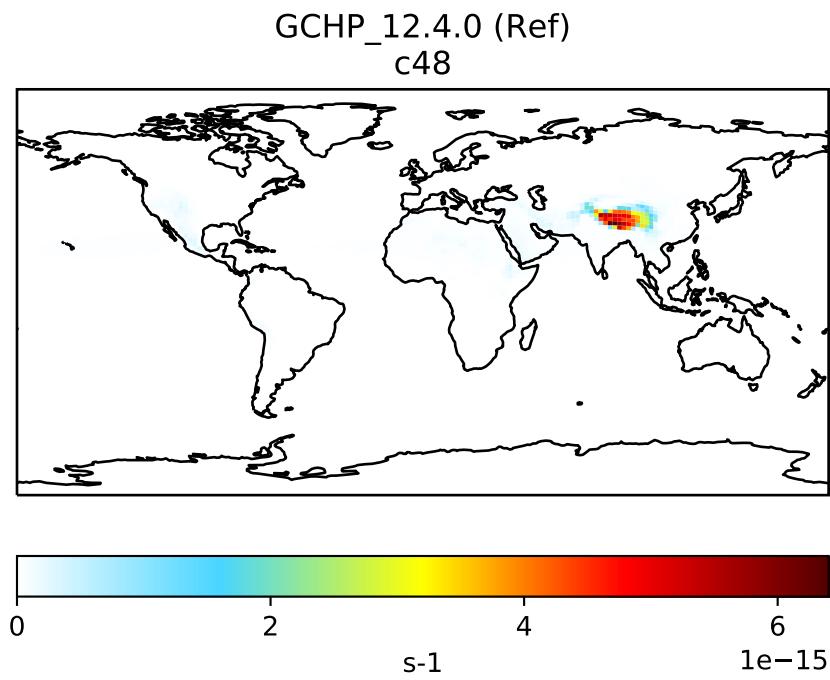
Jval_CCI4



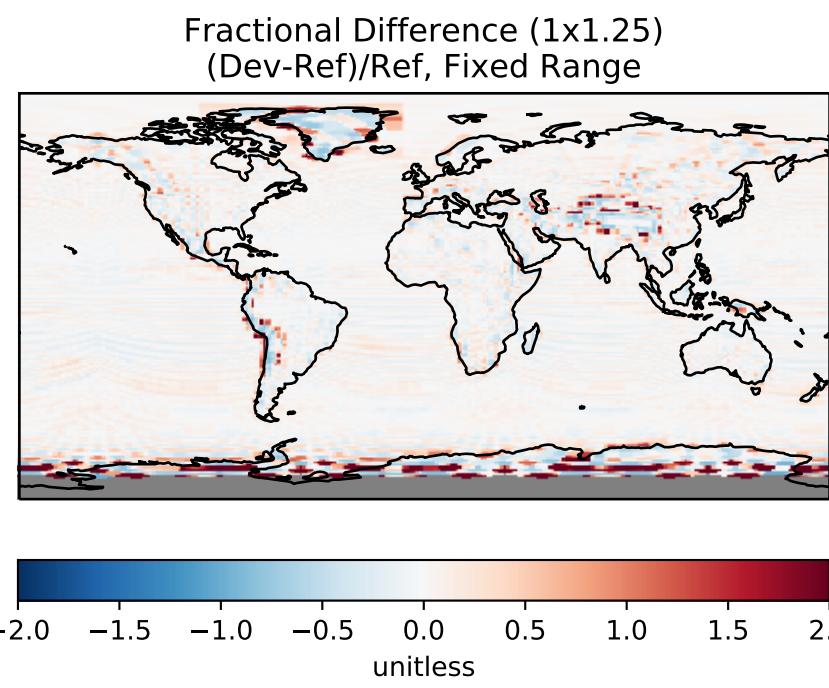
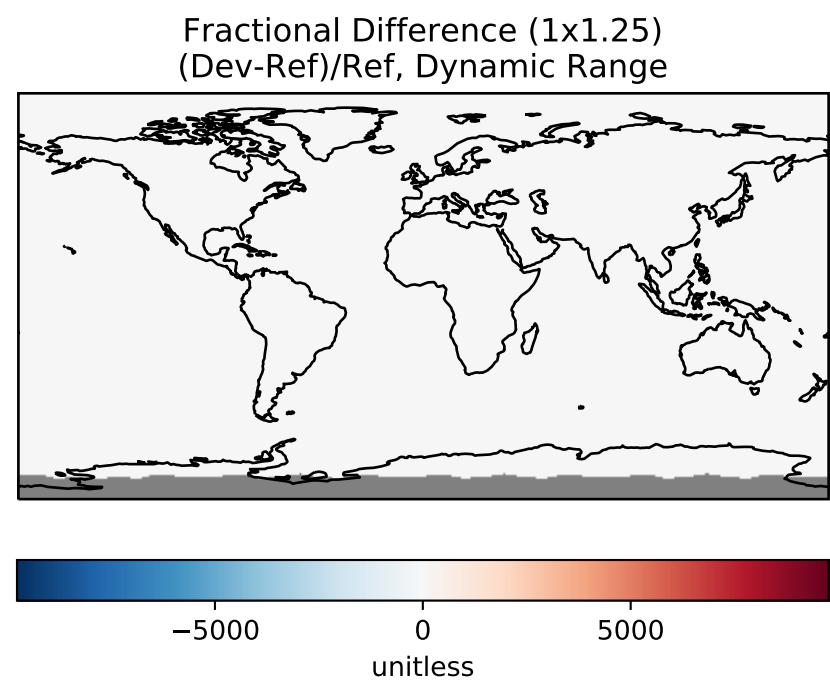
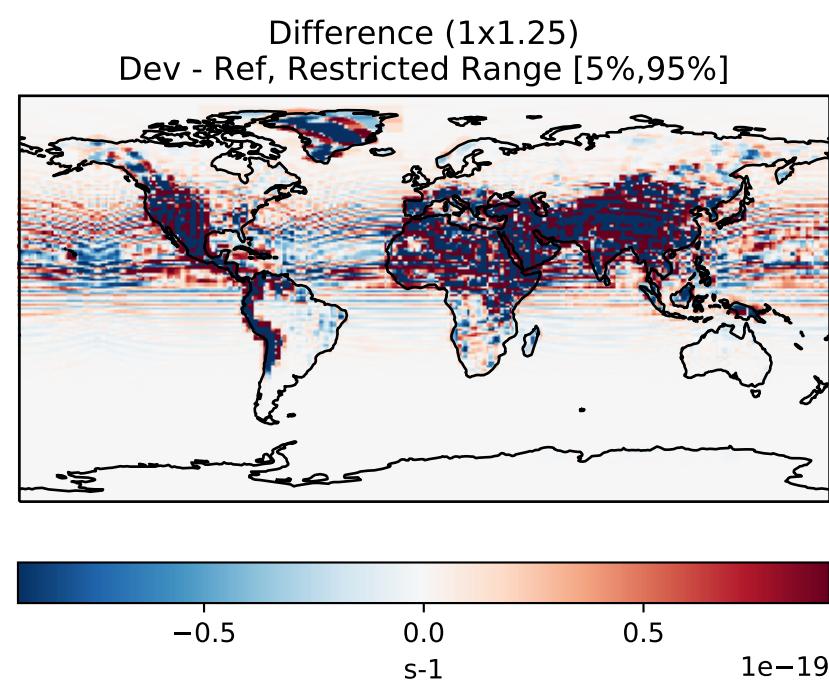
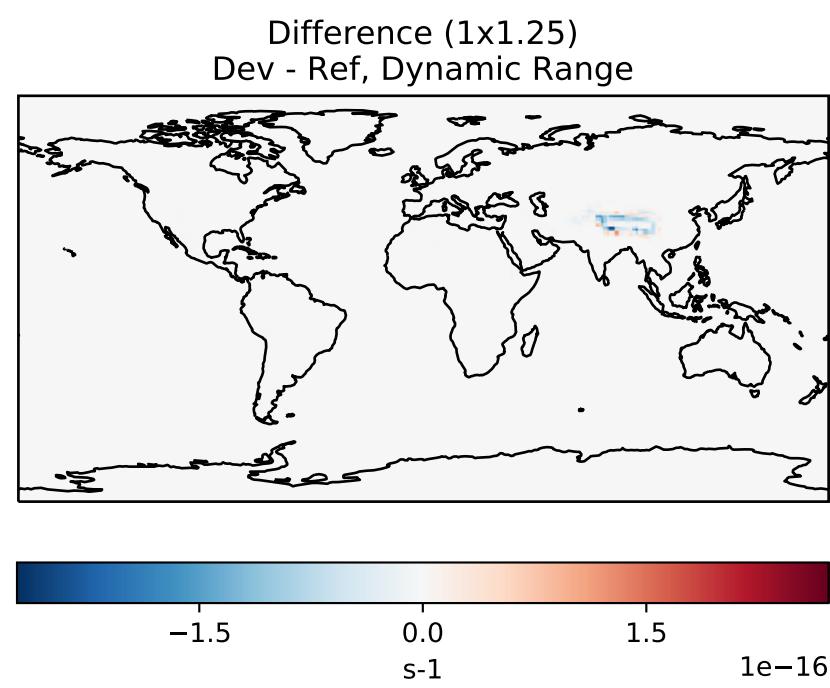
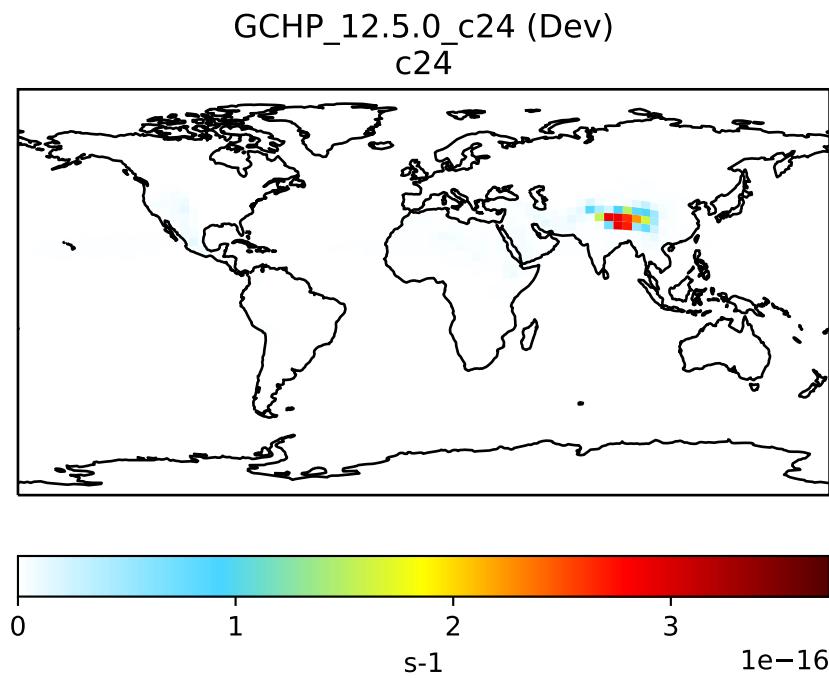
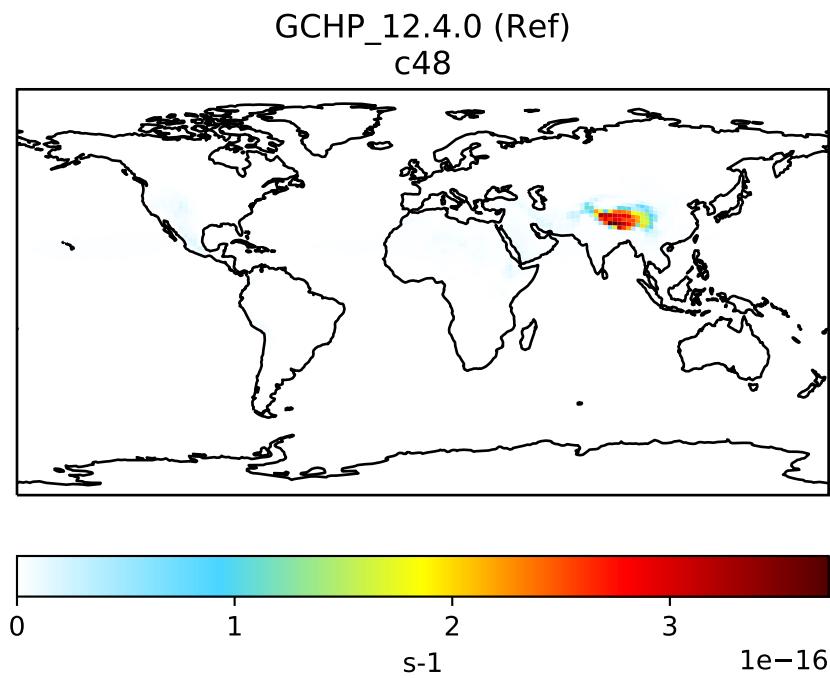
Jval_CFC11



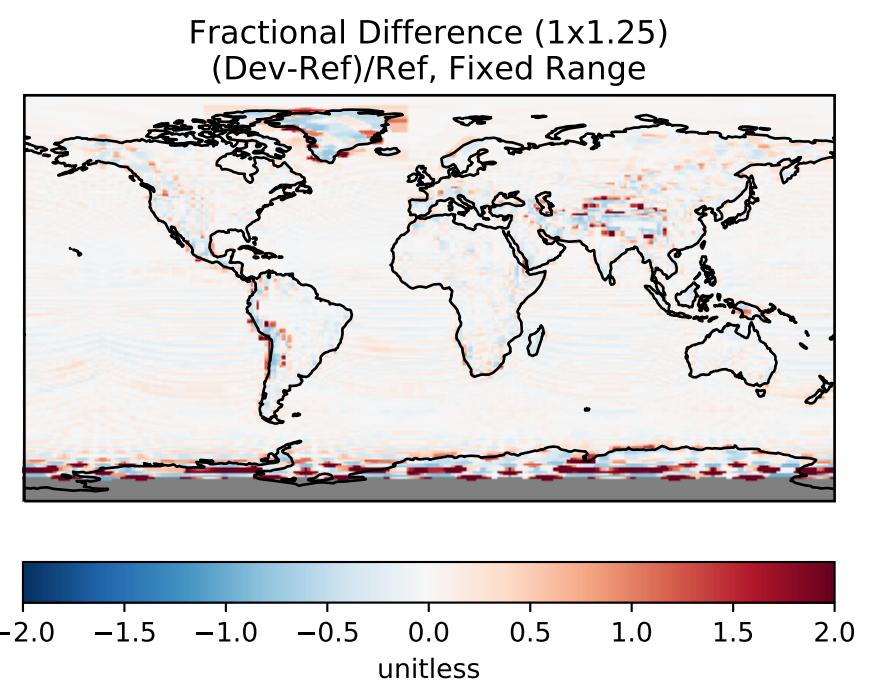
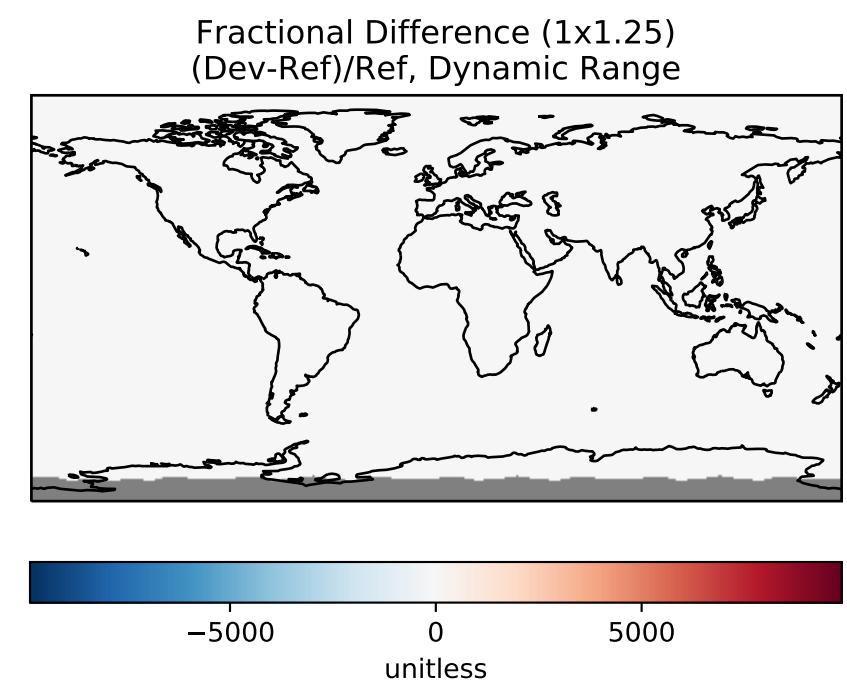
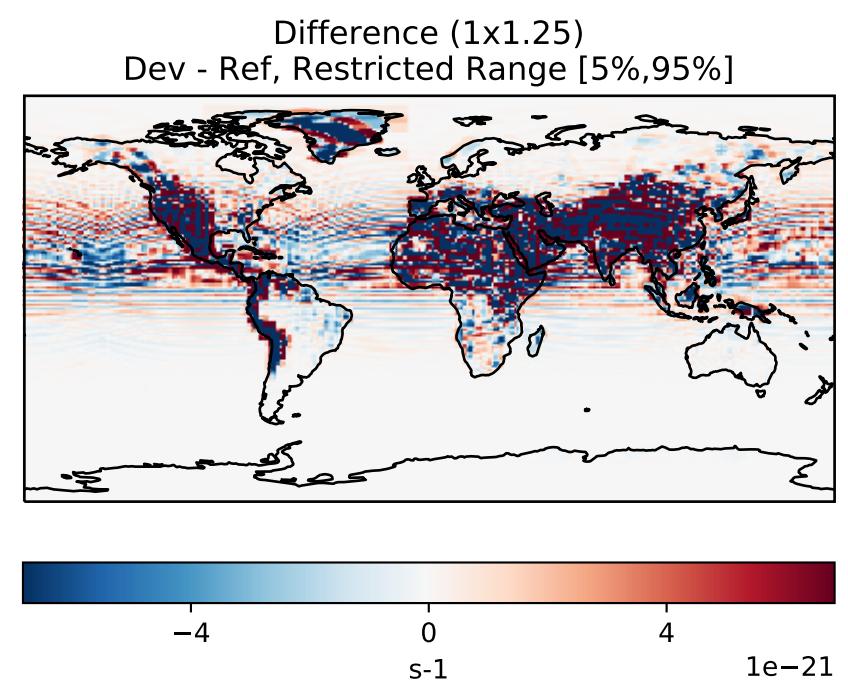
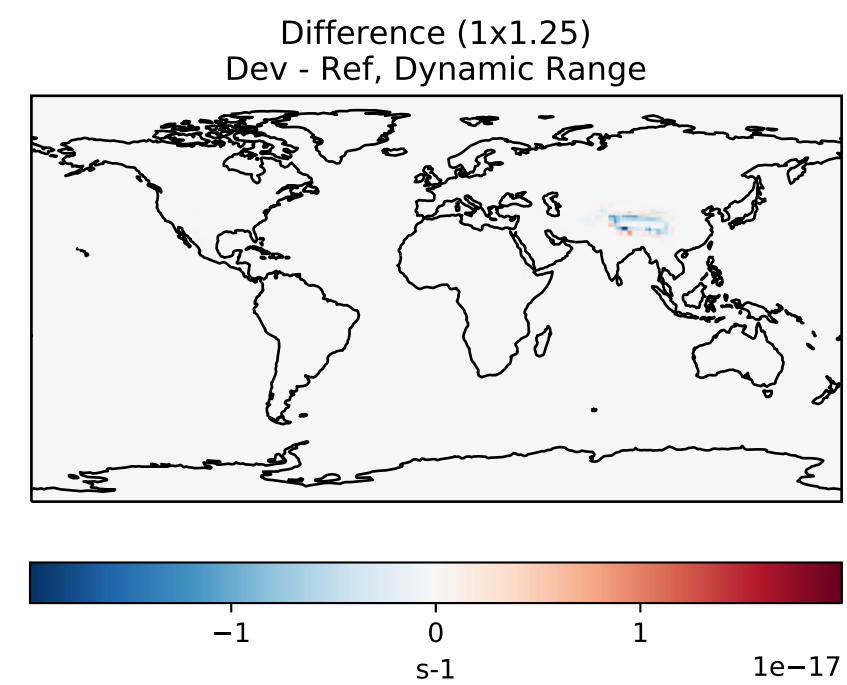
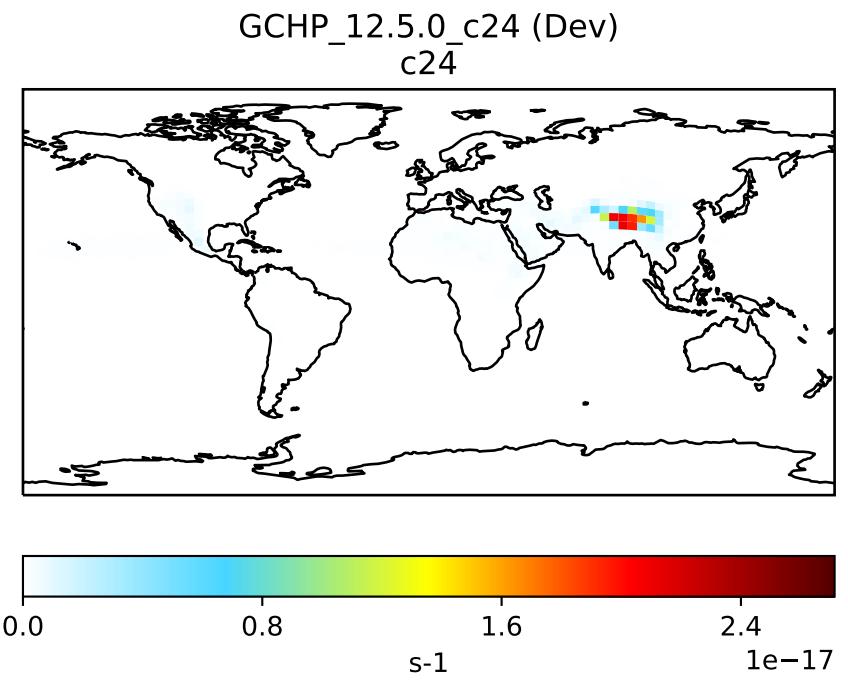
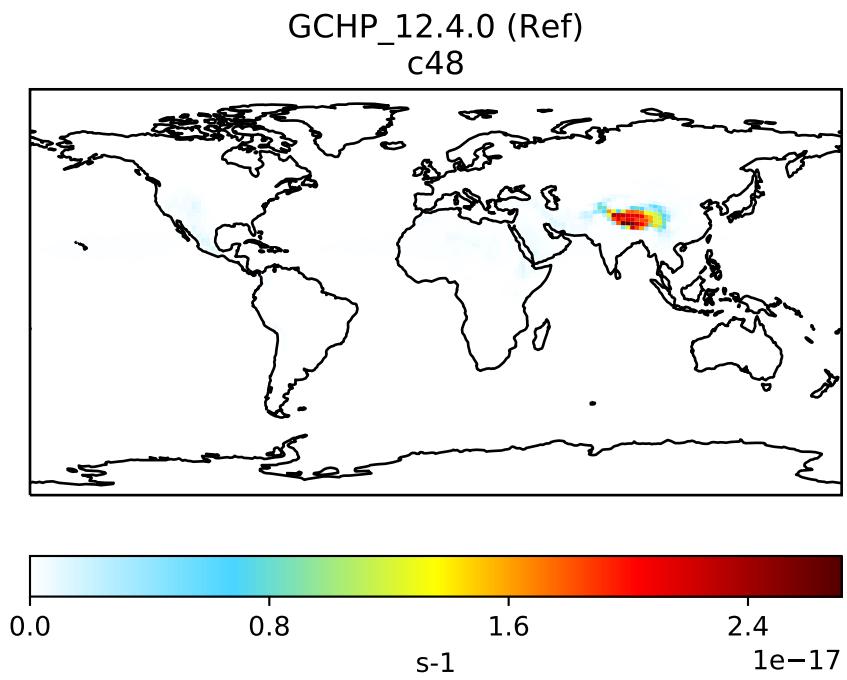
Jval_CFC113



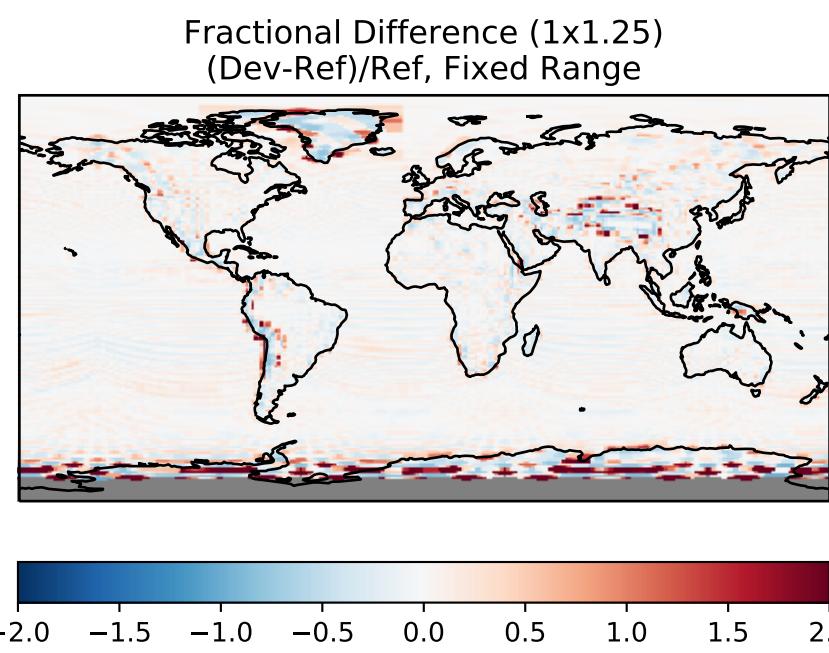
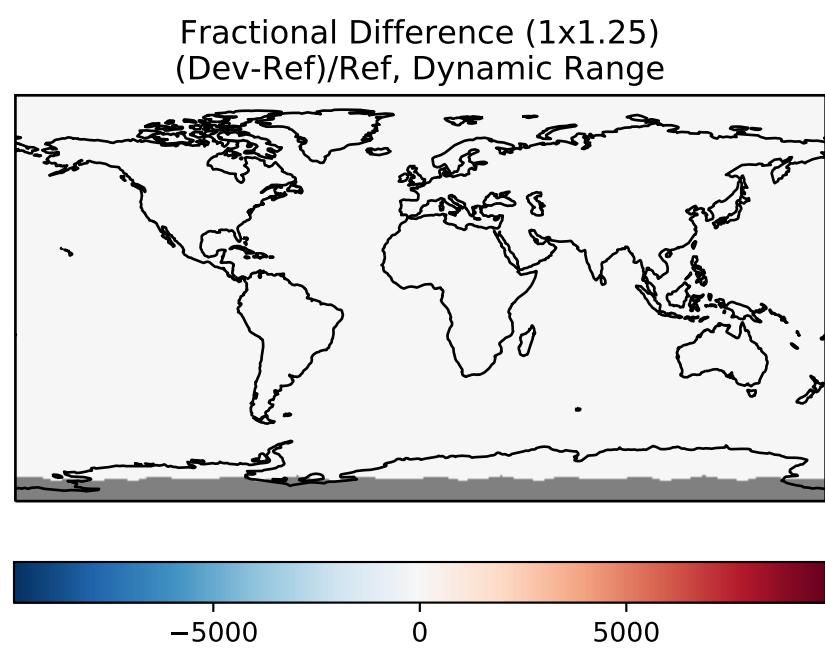
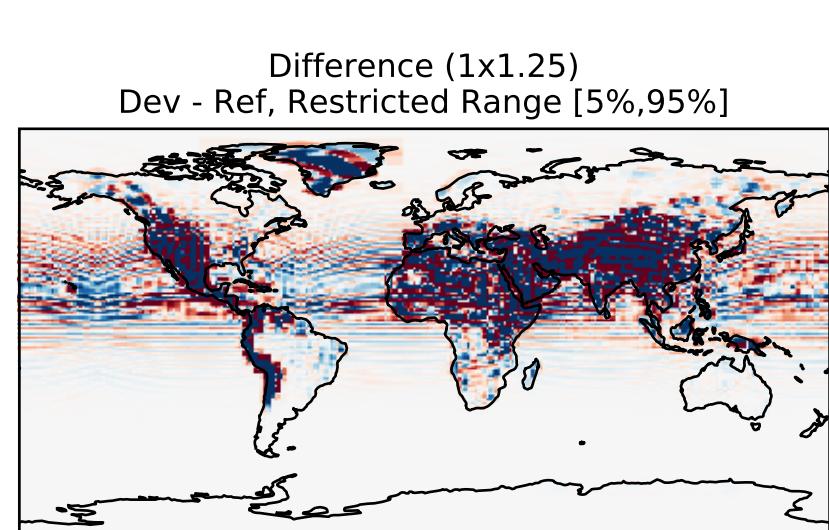
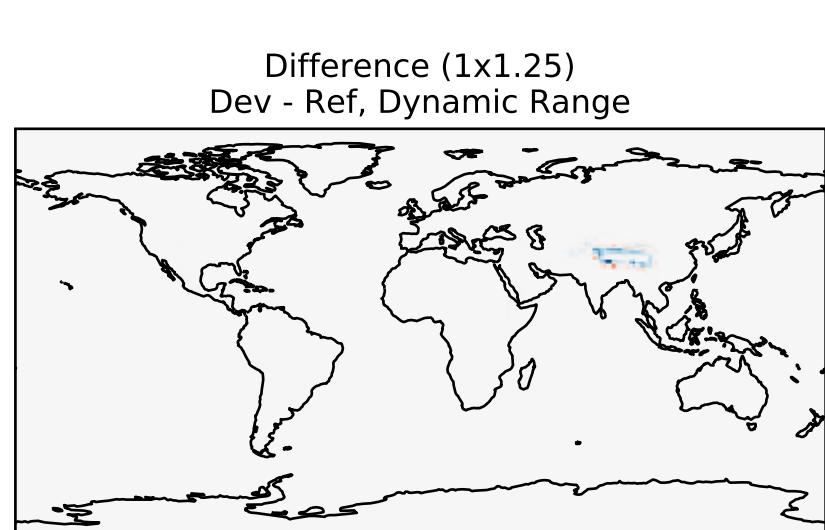
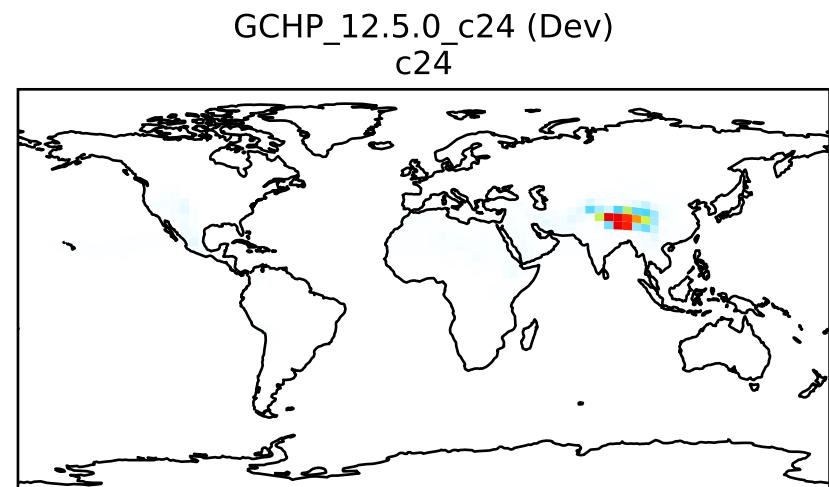
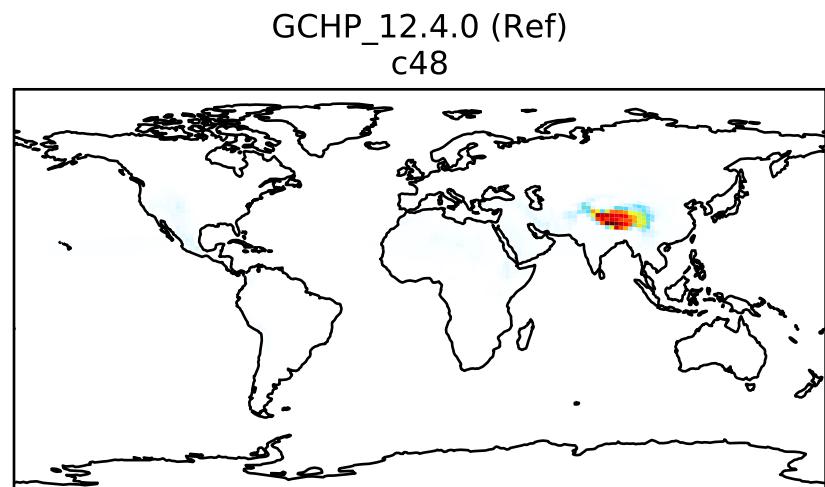
Jval_CFC114



Jval_CFC115

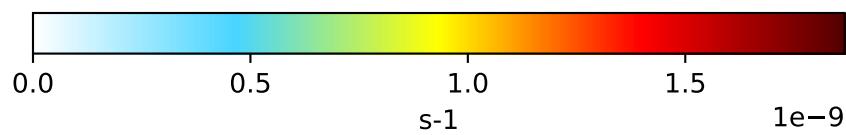
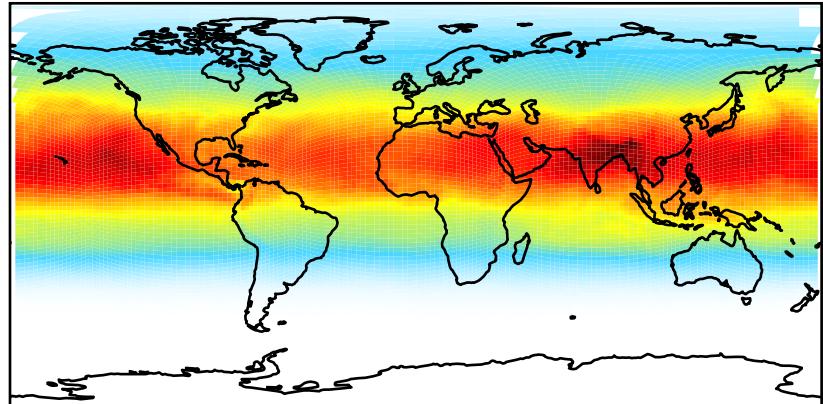


Jval_CFC12

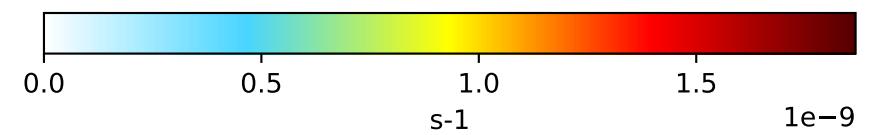
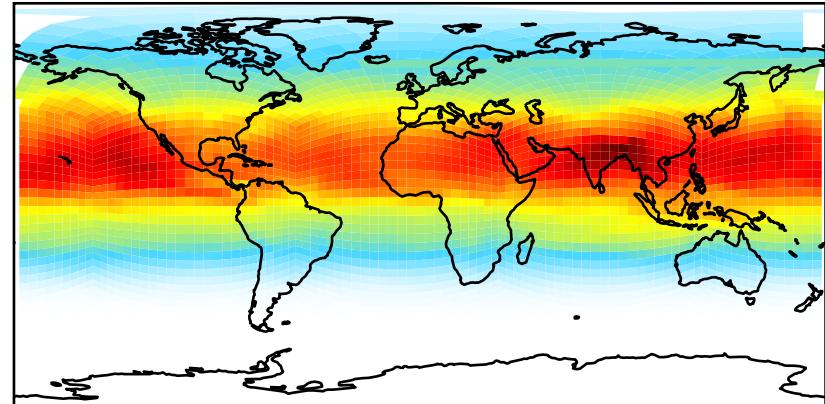


Jval_CH2Br2

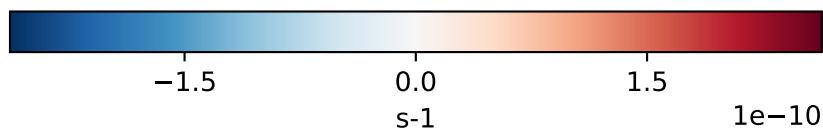
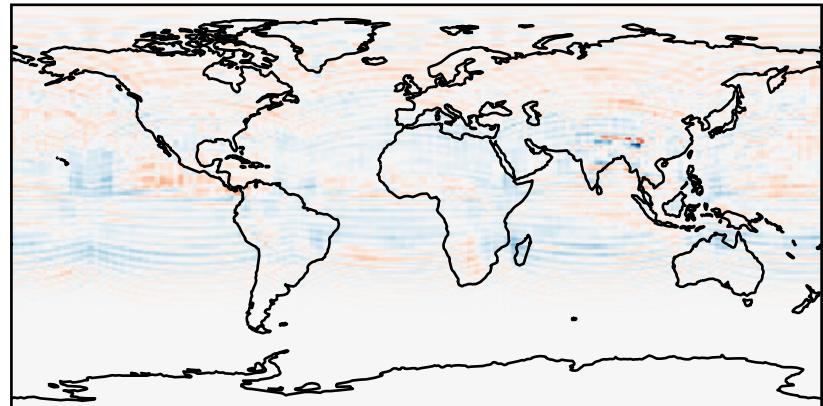
GCHP_12.4.0 (Ref)
c48



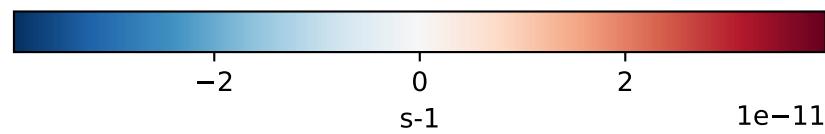
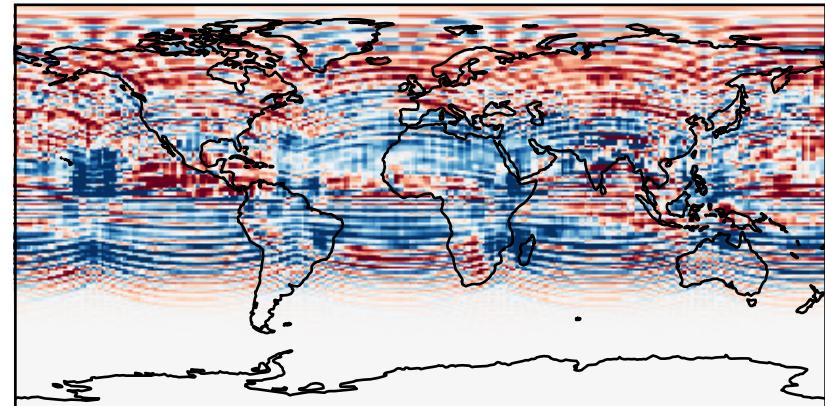
GCHP_12.5.0_c24 (Dev)
c24



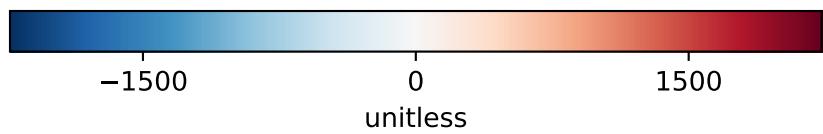
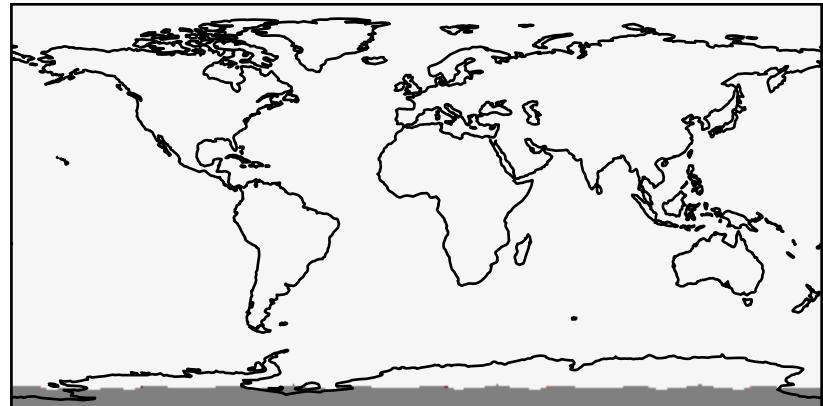
Difference (1x1.25)
Dev - Ref, Dynamic Range



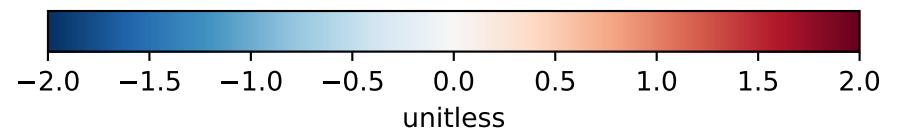
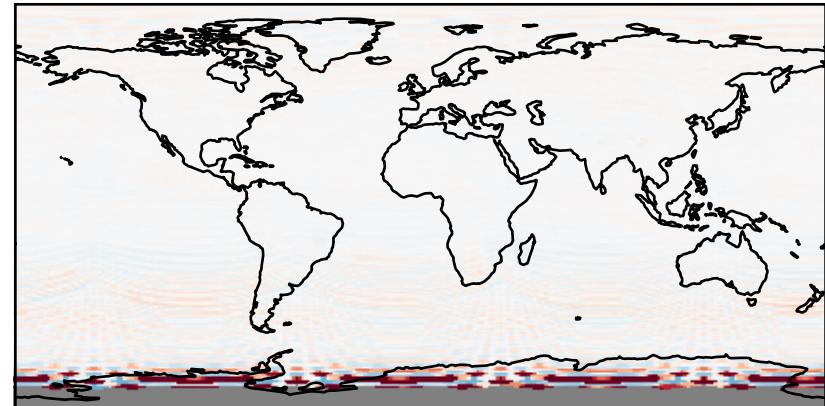
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



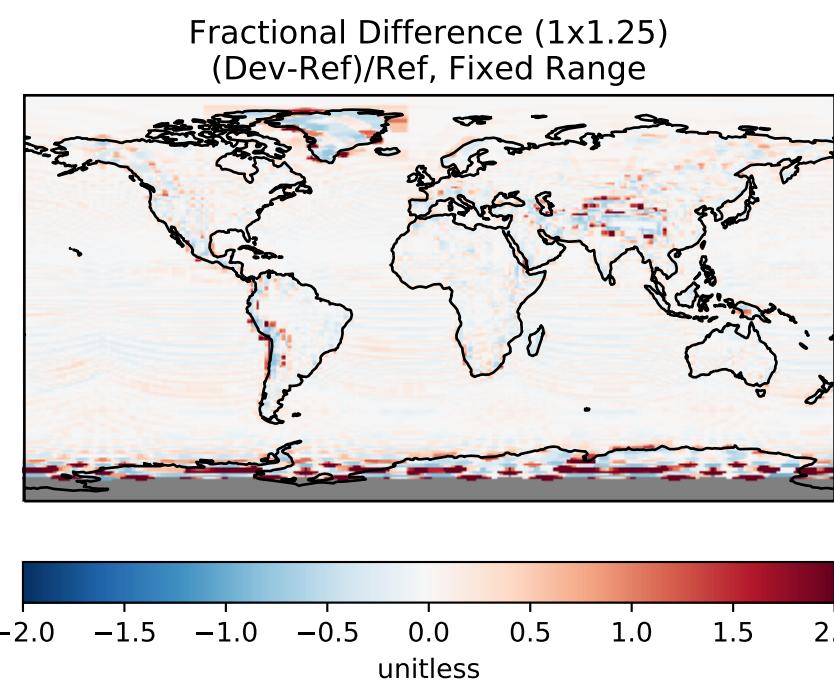
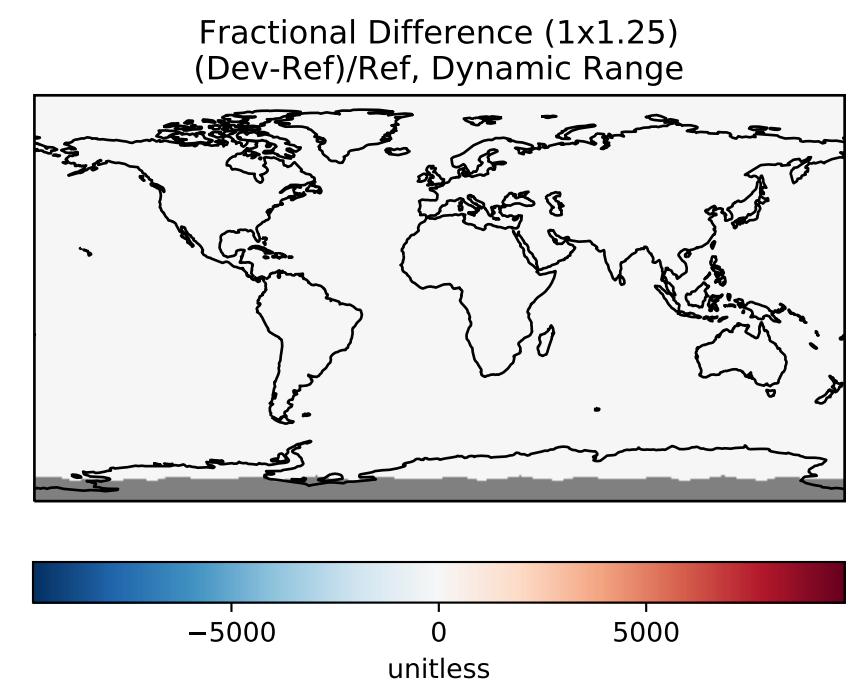
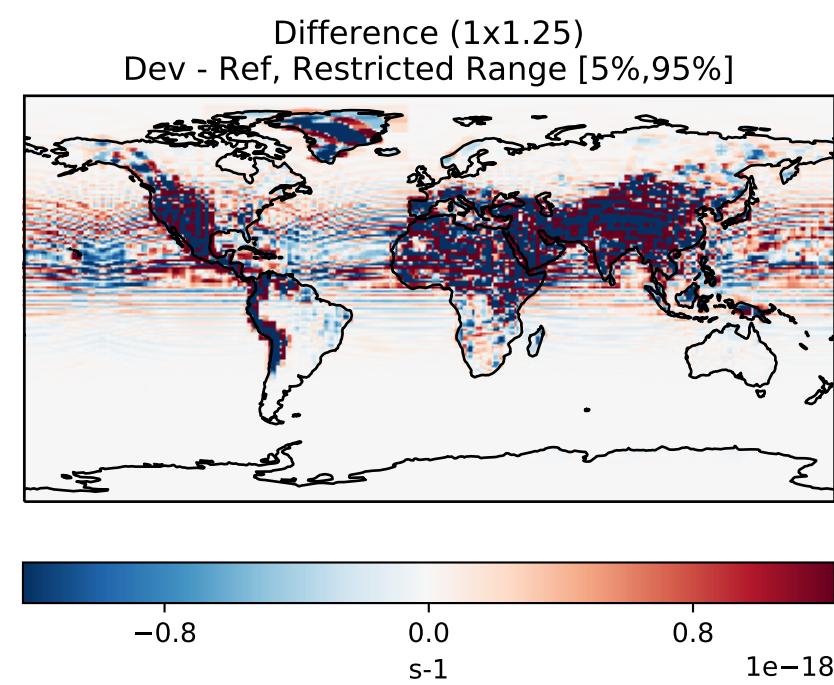
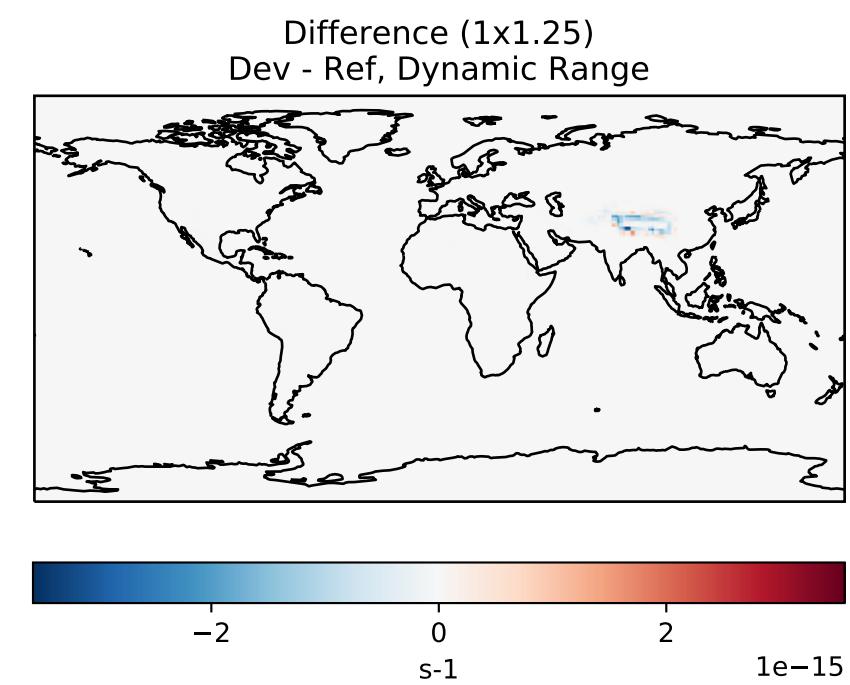
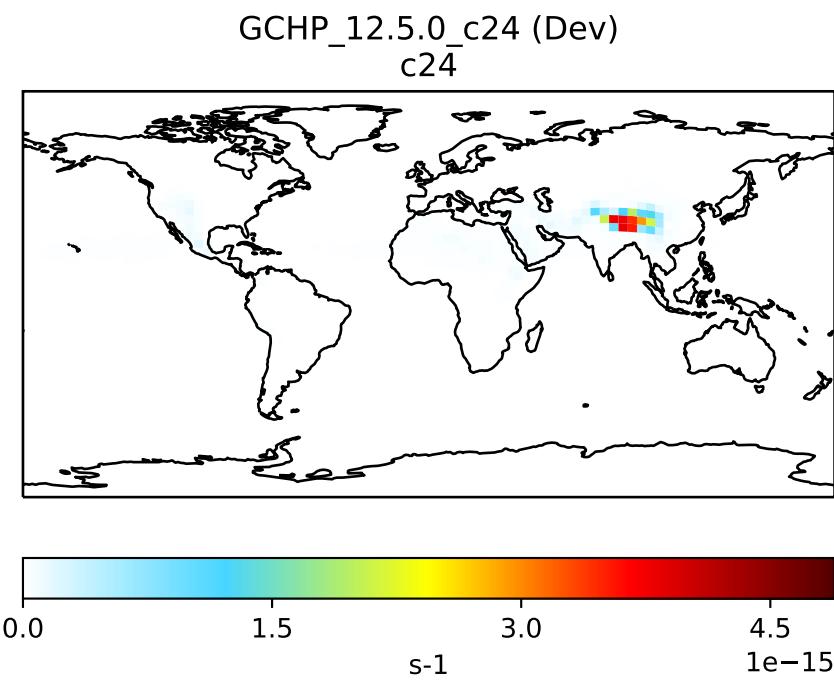
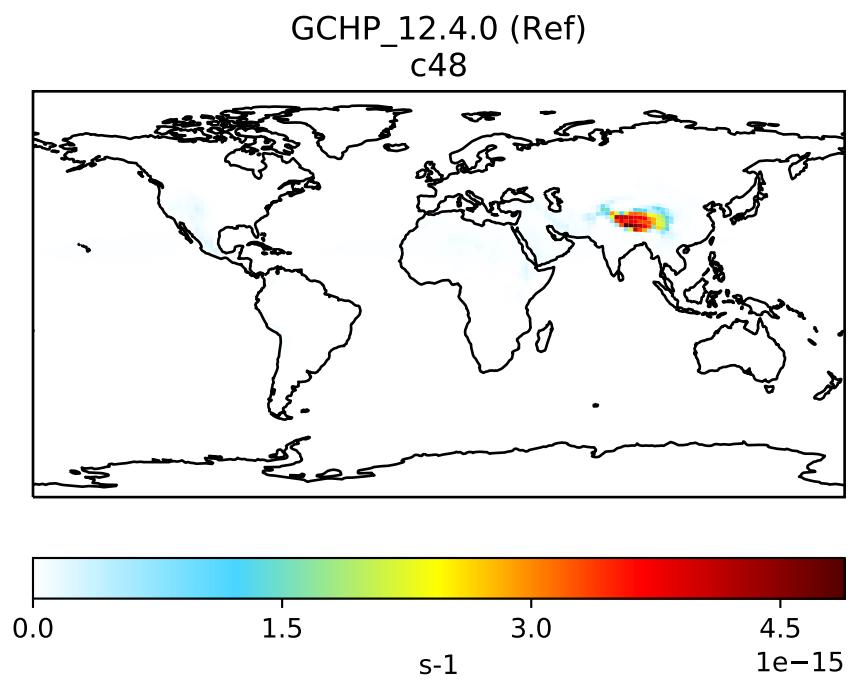
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



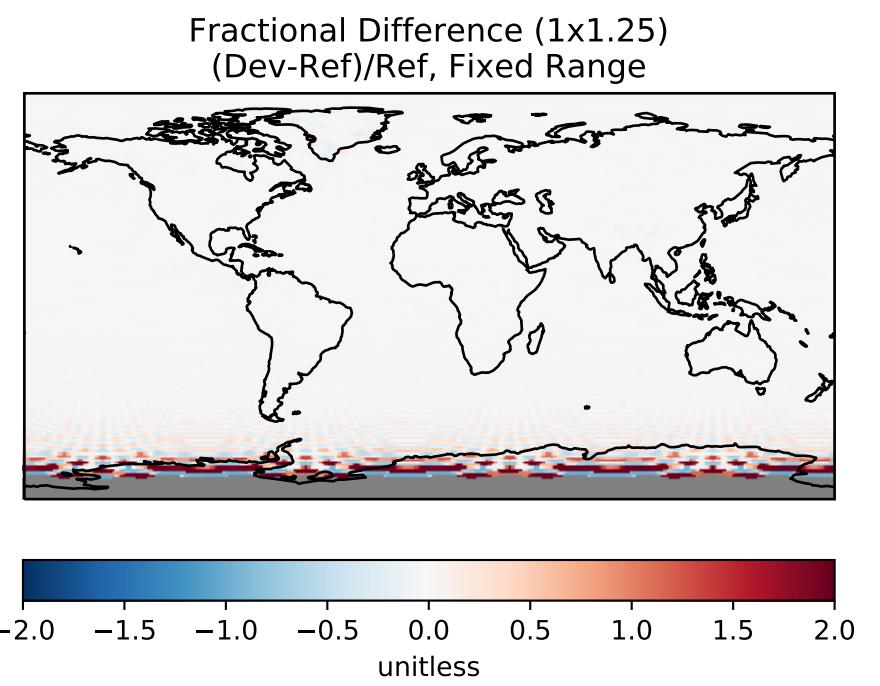
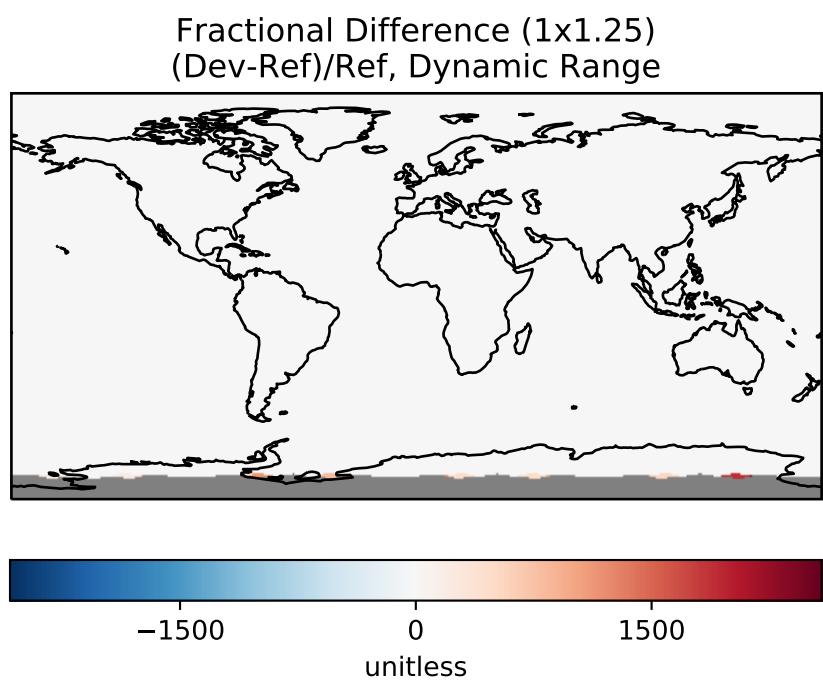
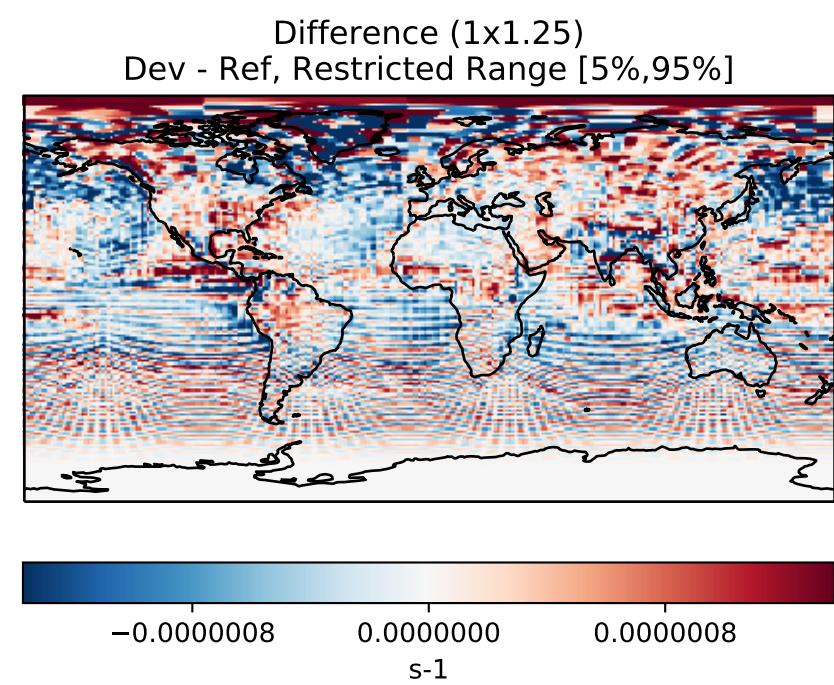
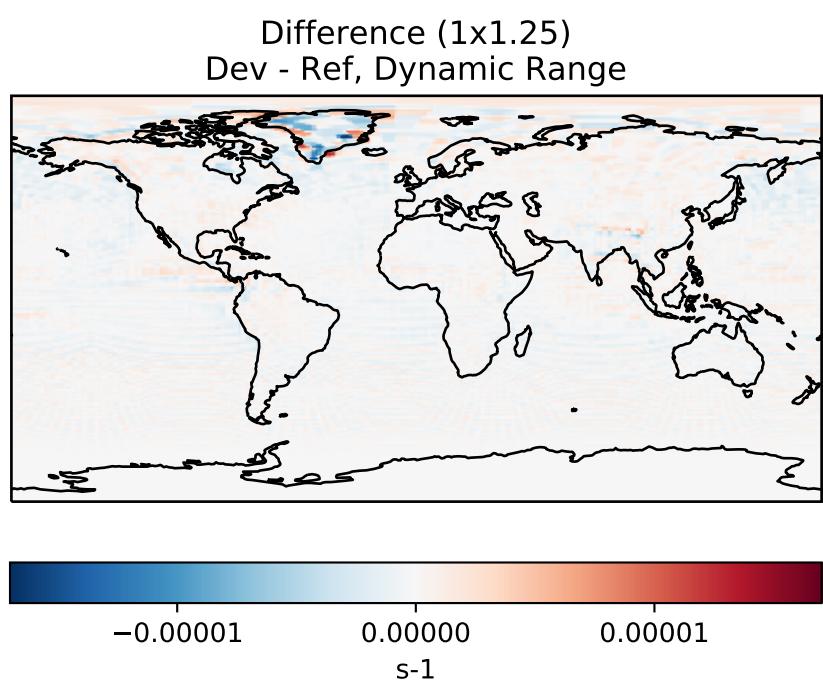
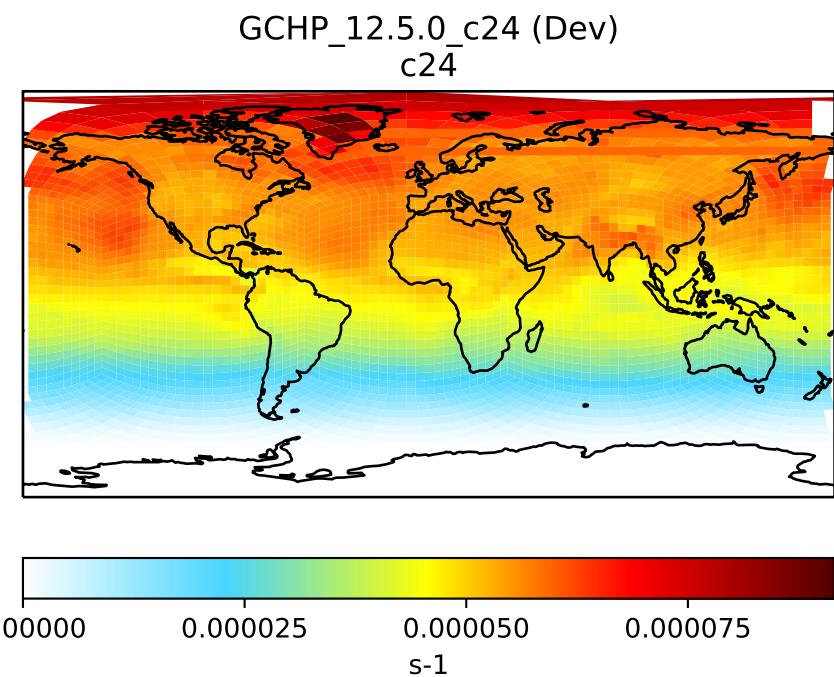
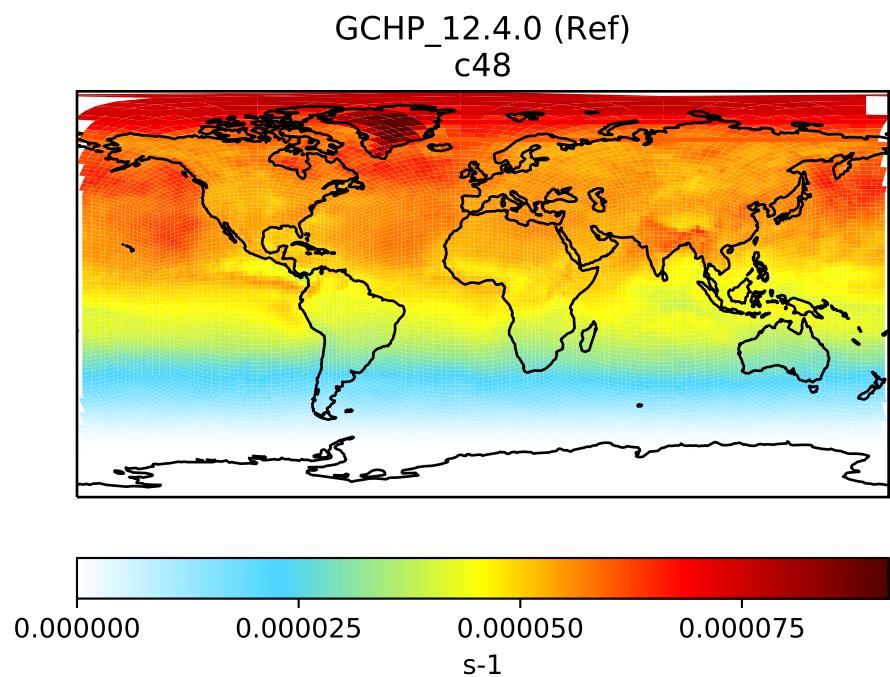
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



Jval_CH2Cl2

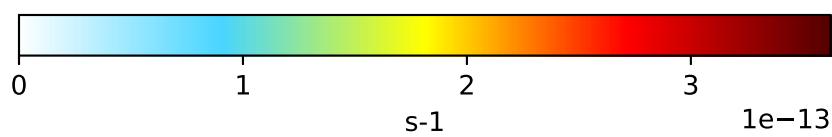
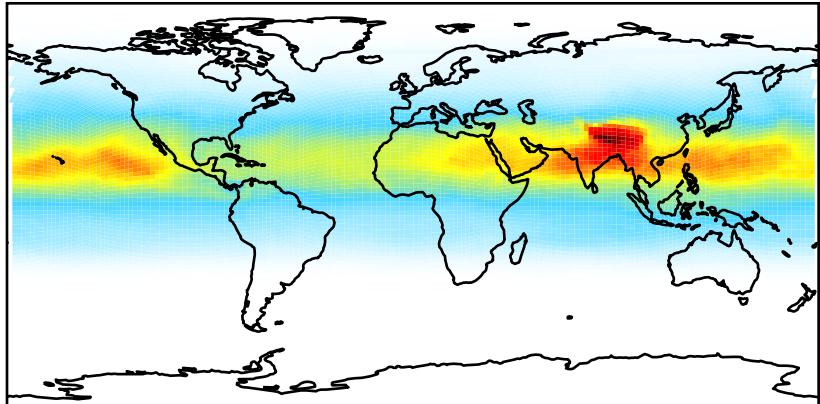


Jval_CH2O

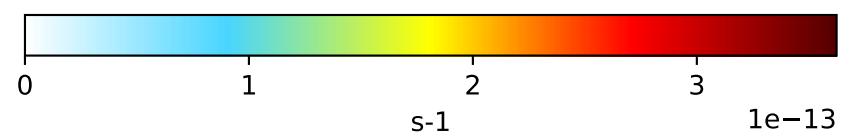
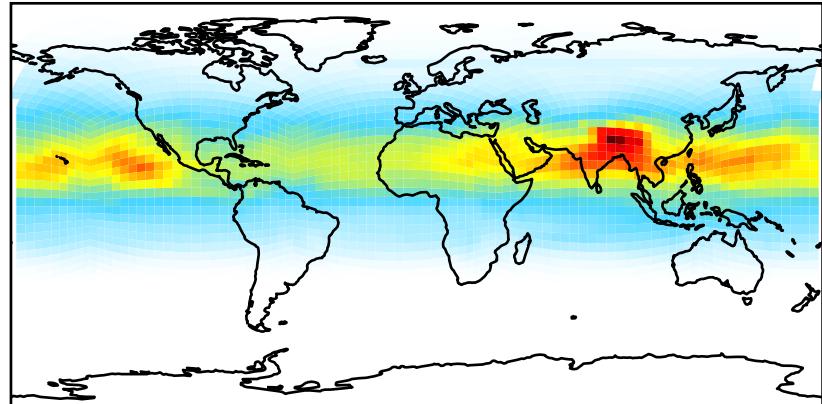


Jval_CH3Br

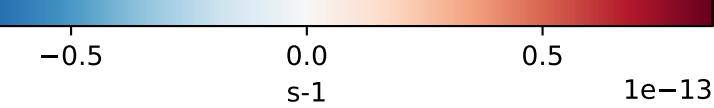
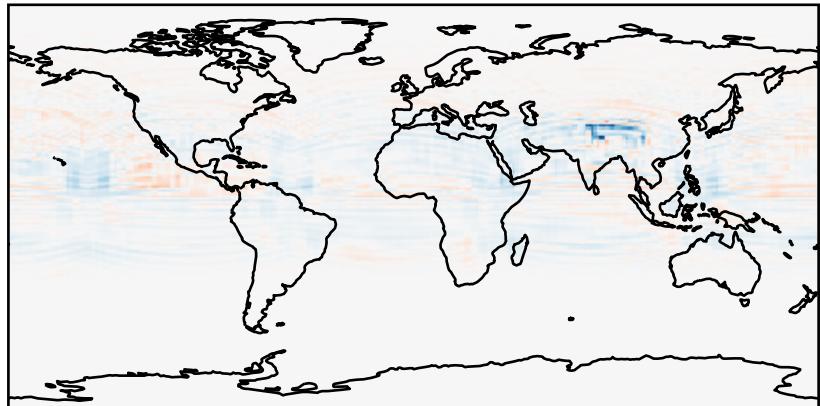
GCHP_12.4.0 (Ref)
c48



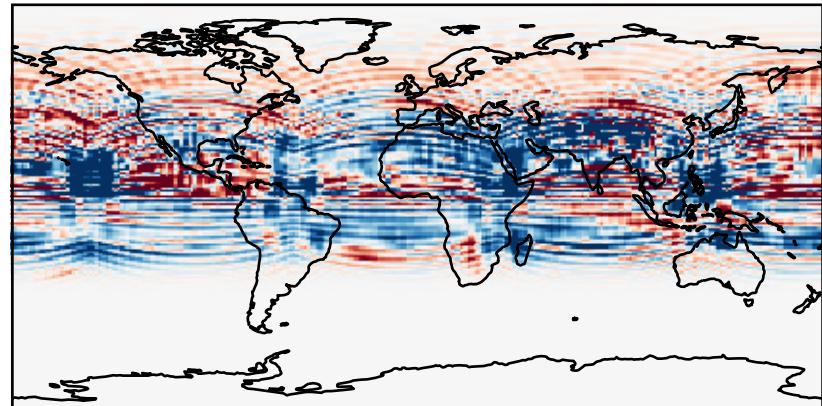
GCHP_12.5.0_c24 (Dev)
c24



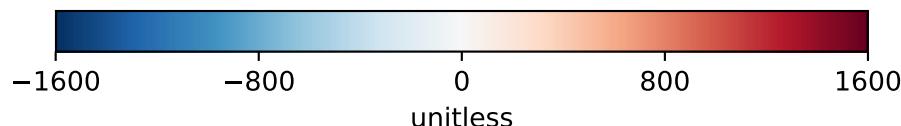
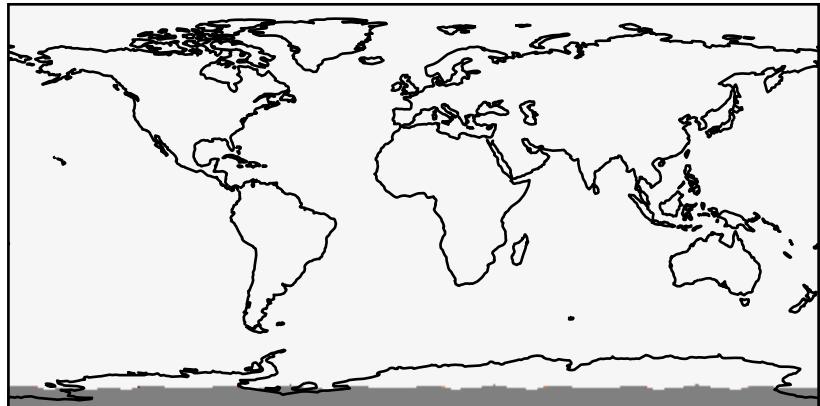
Difference (1x1.25)
Dev - Ref, Dynamic Range



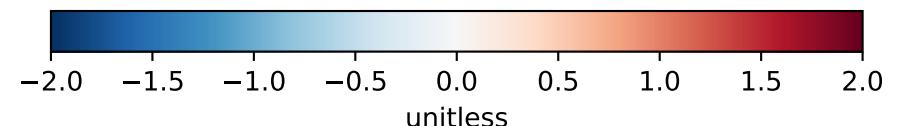
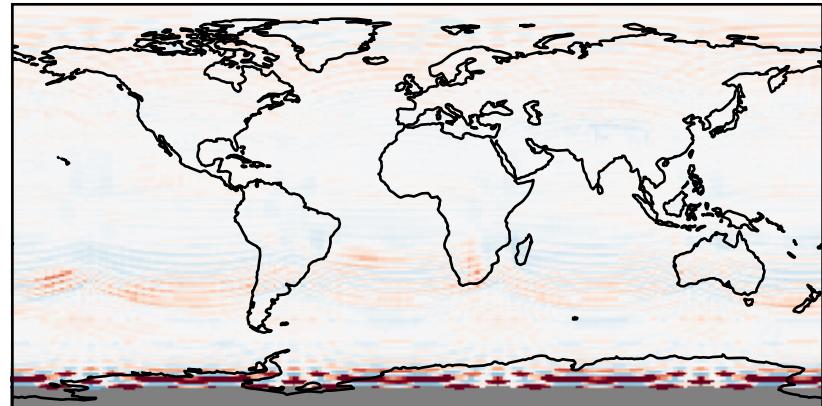
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

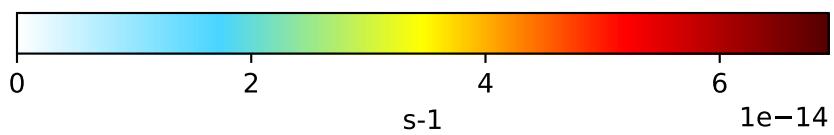
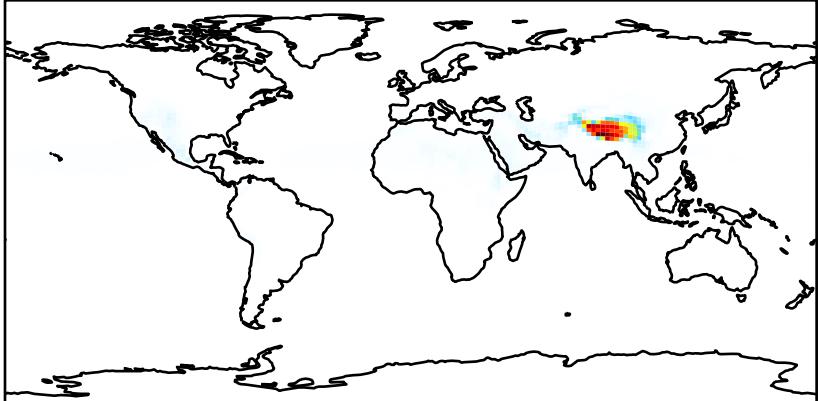


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

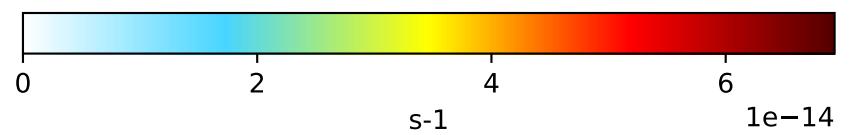
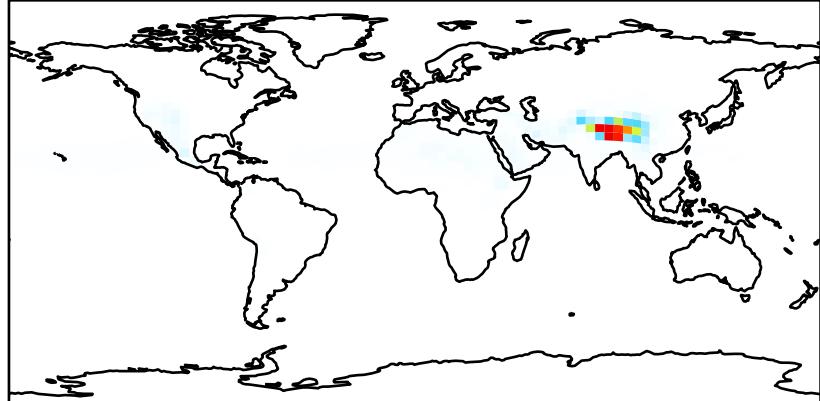


Jval_CH3CCl3

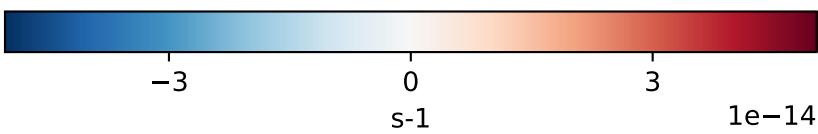
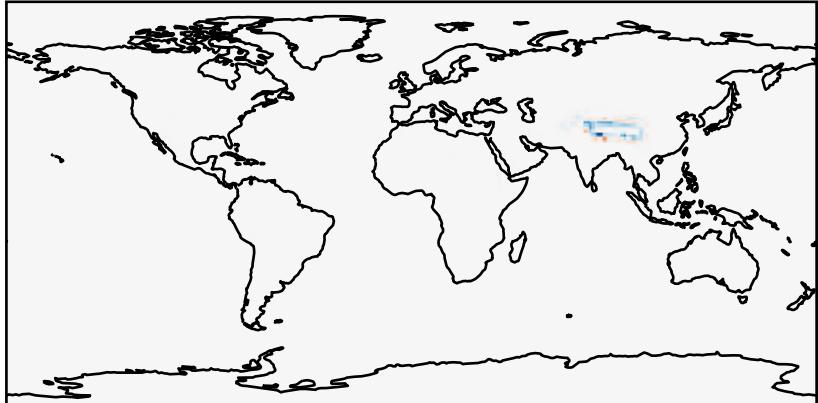
GCHP_12.4.0 (Ref)
c48



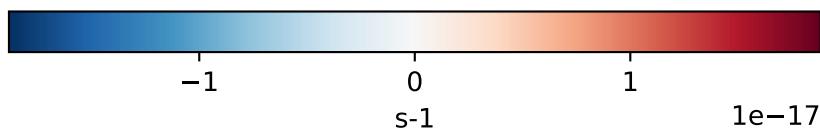
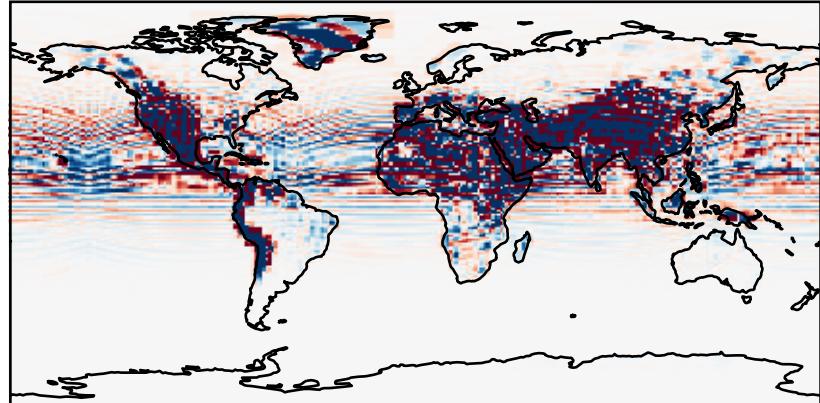
GCHP_12.5.0_c24 (Dev)
c24



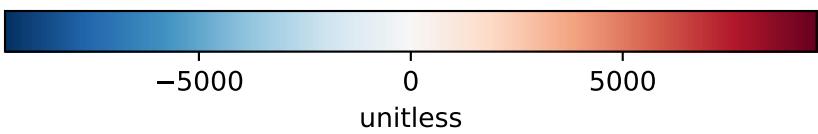
Difference (1x1.25)
Dev - Ref, Dynamic Range



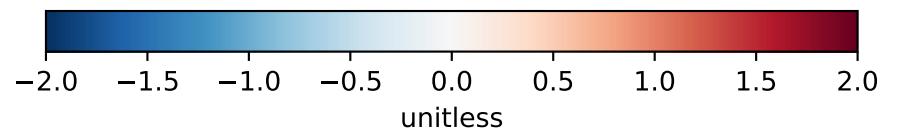
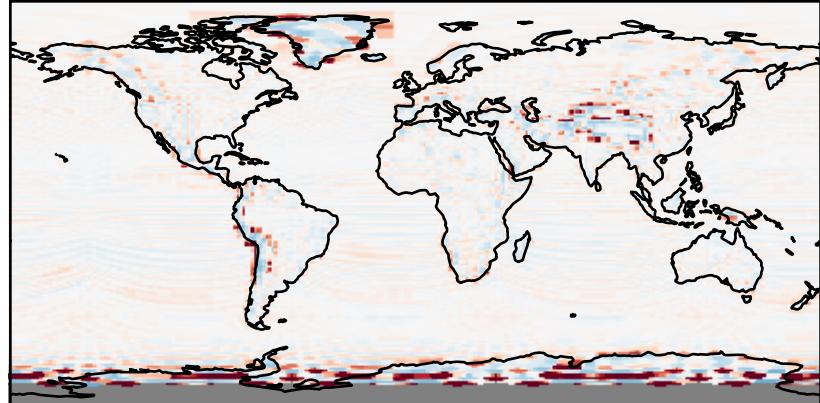
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



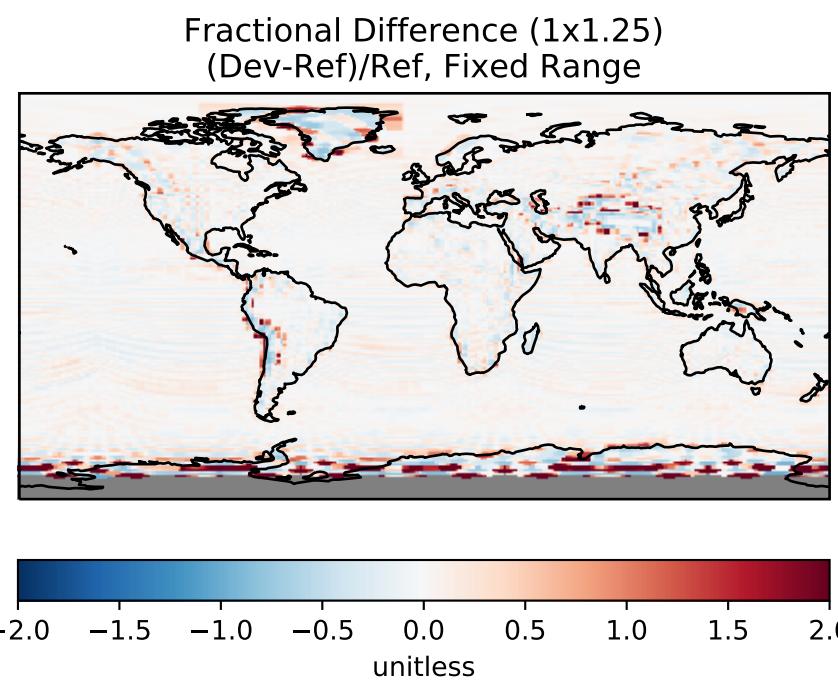
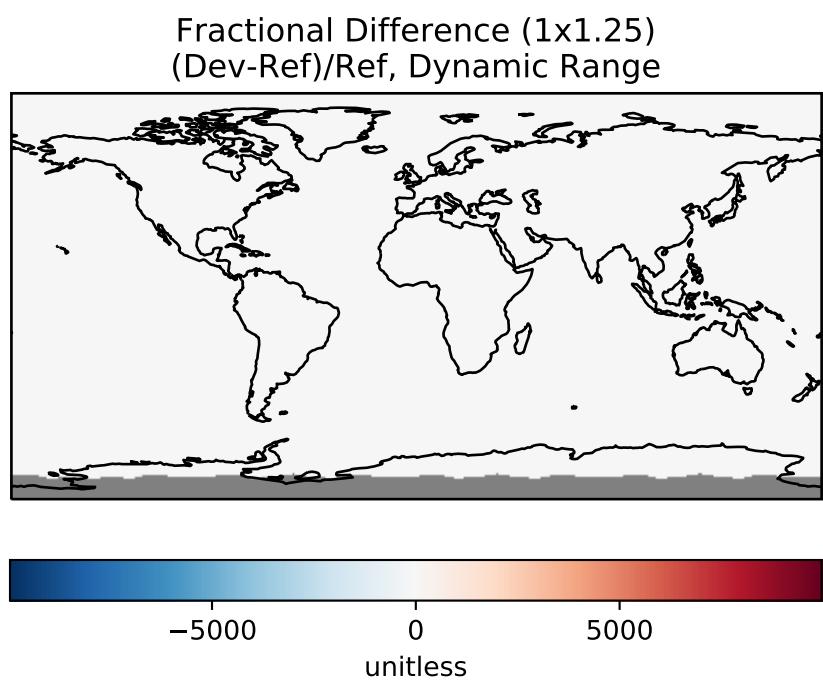
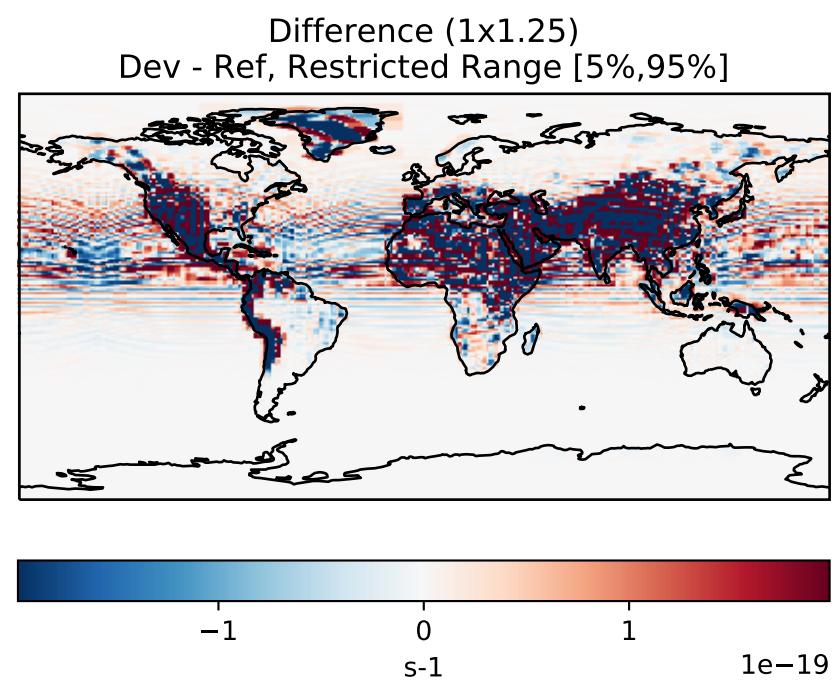
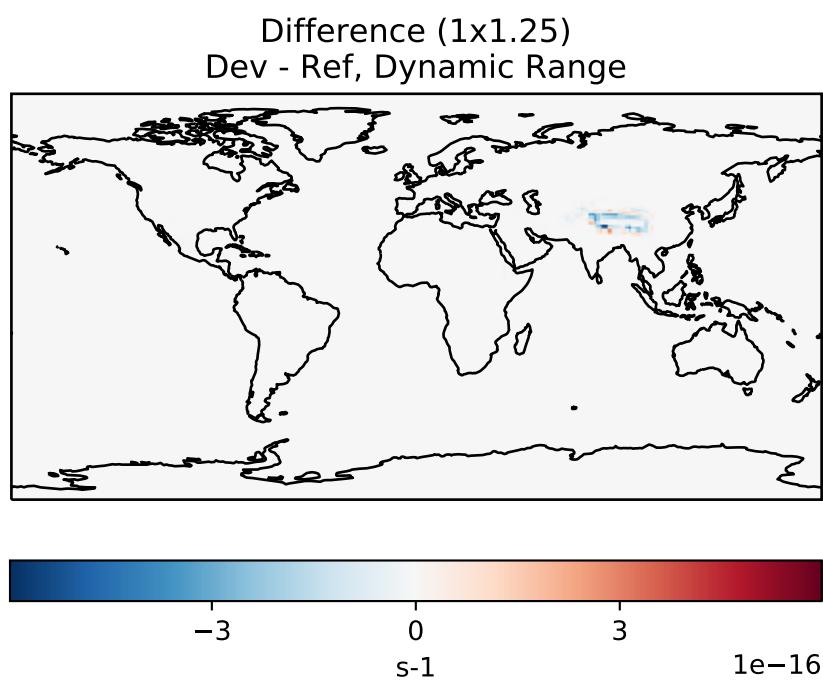
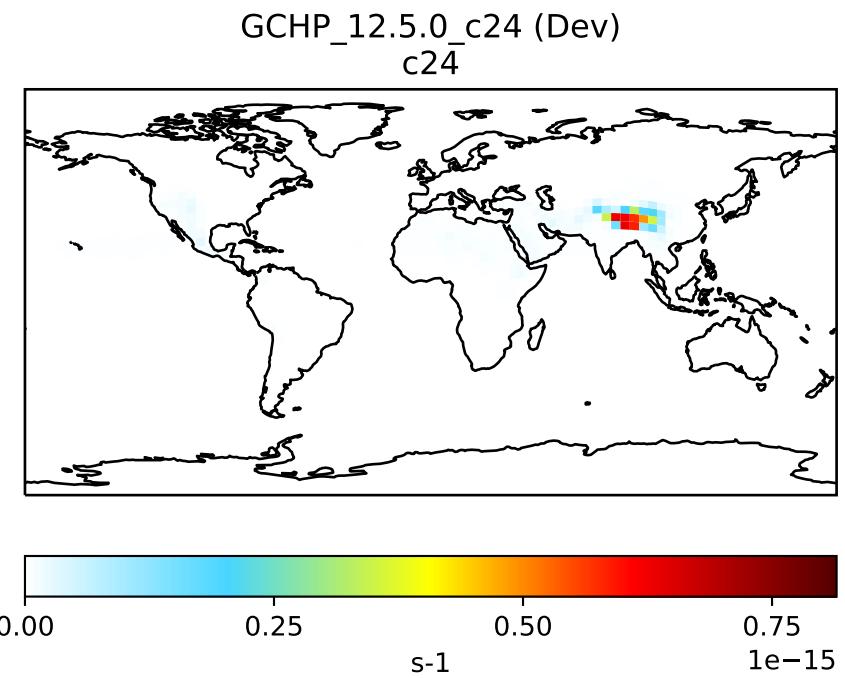
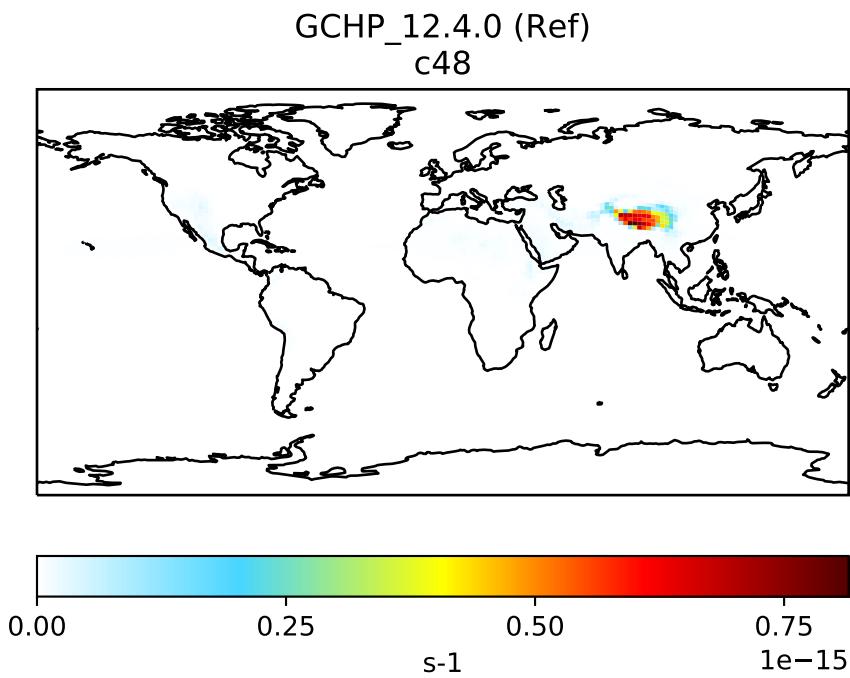
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



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

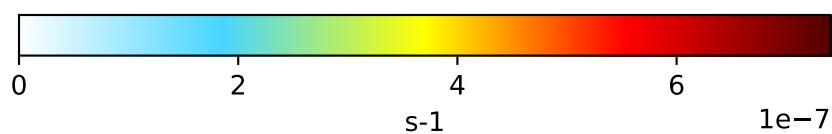
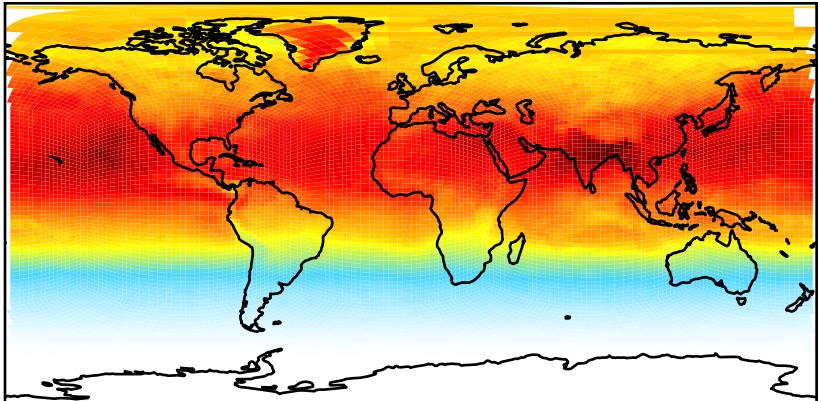


Jval_CH3CI

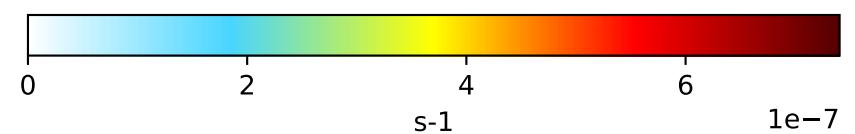
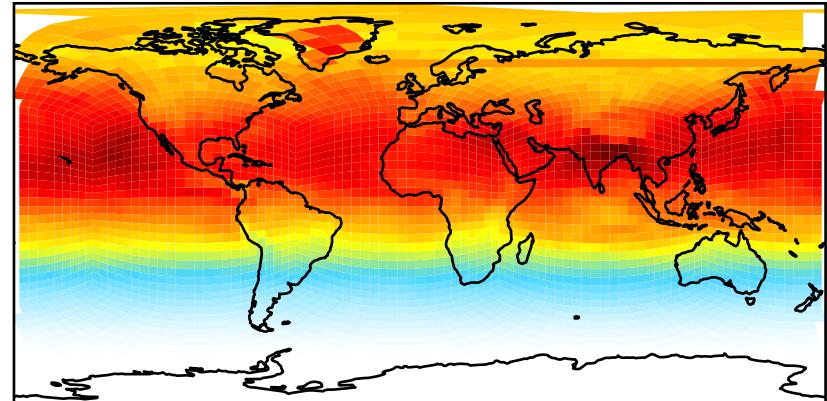


Jval_CHBr3

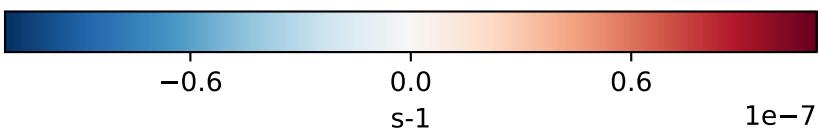
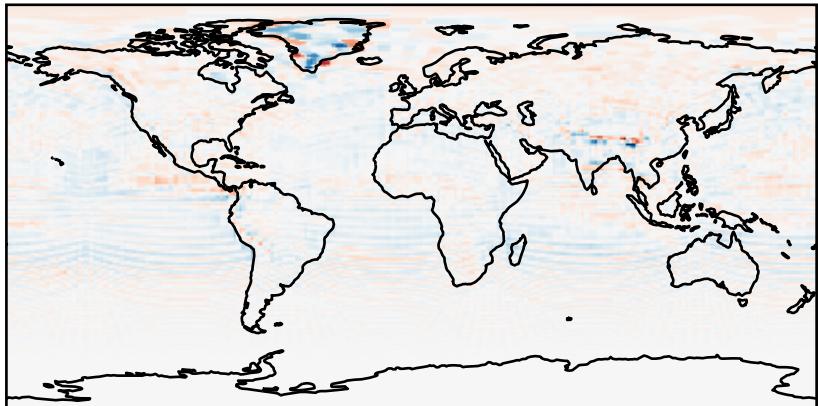
GCHP_12.4.0 (Ref)
c48



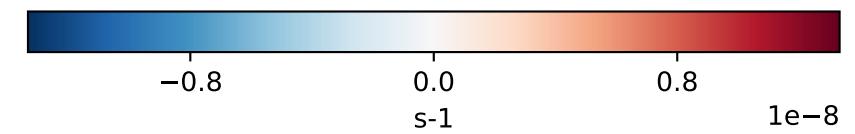
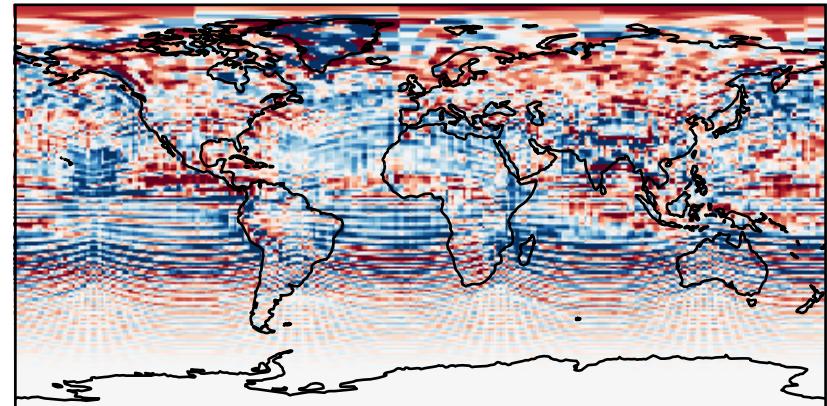
GCHP_12.5.0_c24 (Dev)
c24



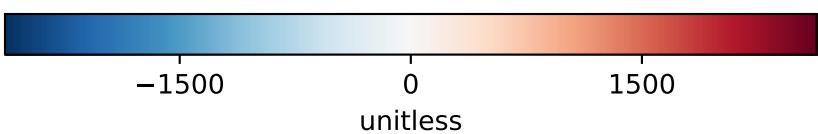
Difference (1x1.25)
Dev - Ref, Dynamic Range



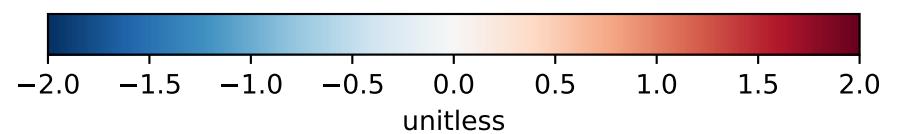
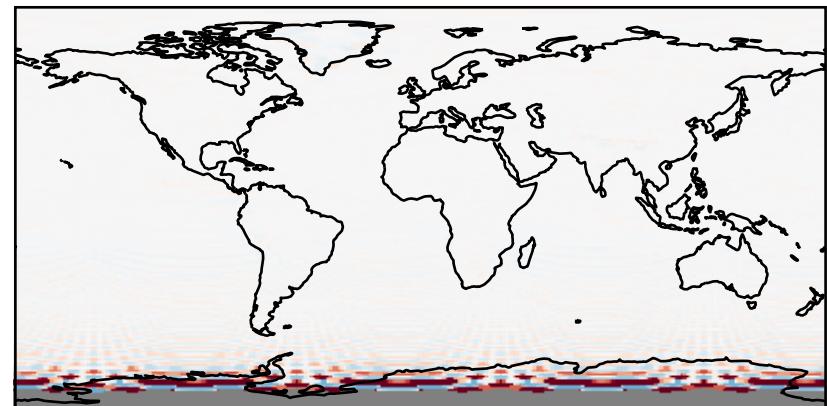
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

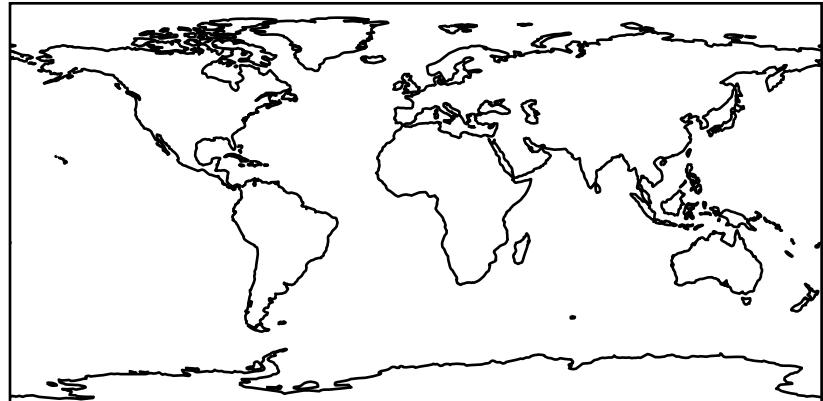


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

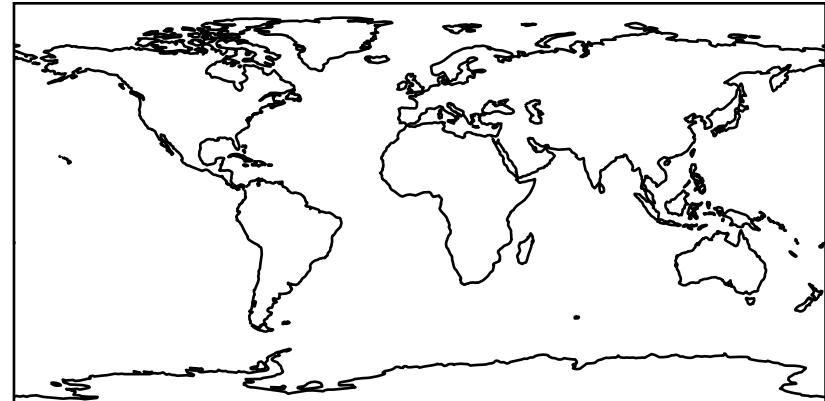


Jval_CHCl3

GCHP_12.4.0 (Ref)
c48



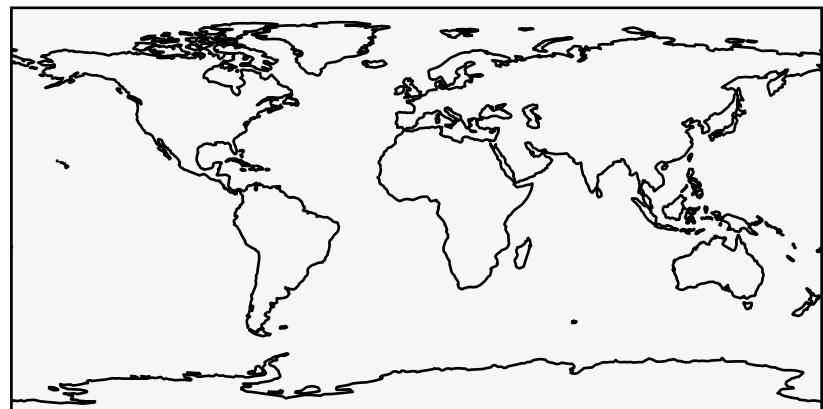
GCHP_12.5.0_c24 (Dev)
c24



Zero throughout domain
s-1

Zero throughout domain
s-1

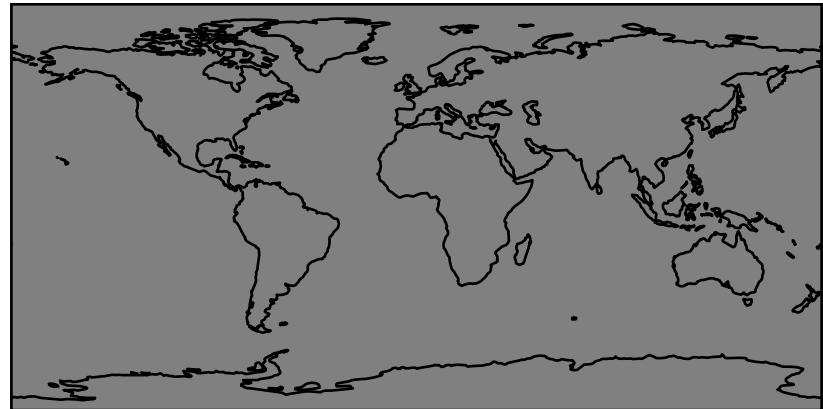
Difference (1x1.25)
Dev - Ref, Dynamic Range



Zero throughout domain
s-1

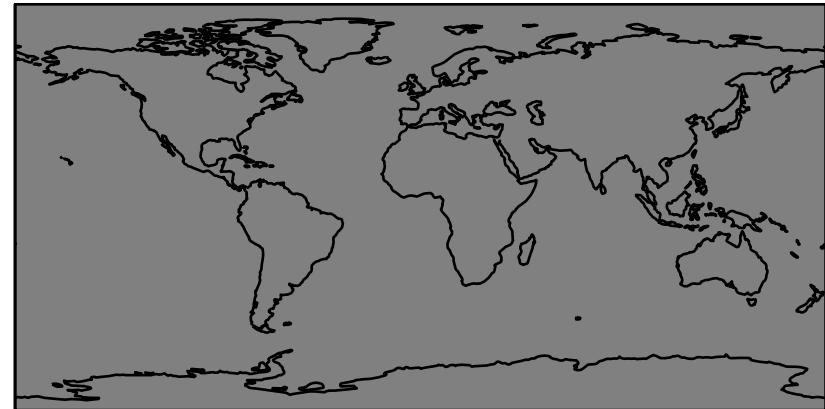
Zero throughout domain
s-1

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



Undefined throughout domain
unitless

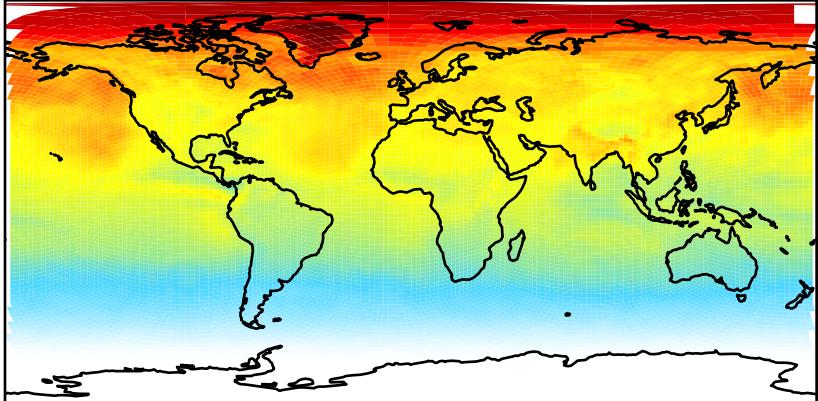
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



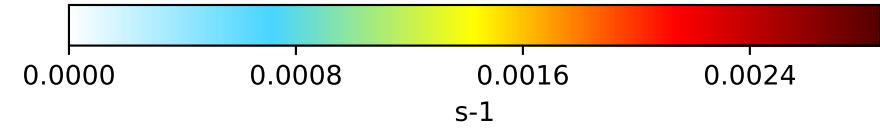
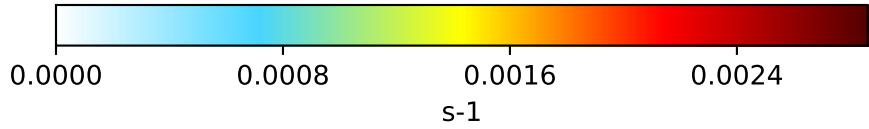
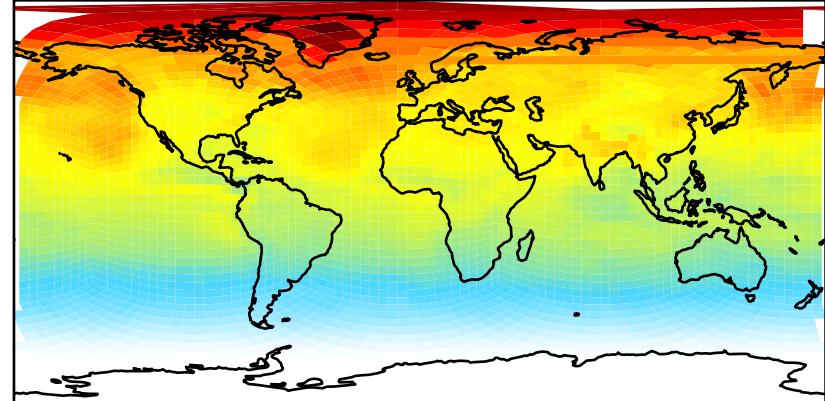
Undefined throughout domain
unitless

Jval_CI2

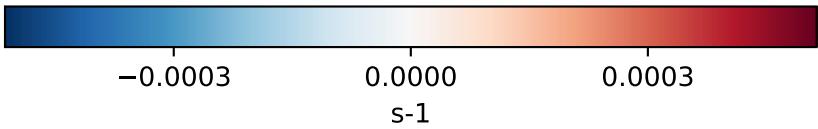
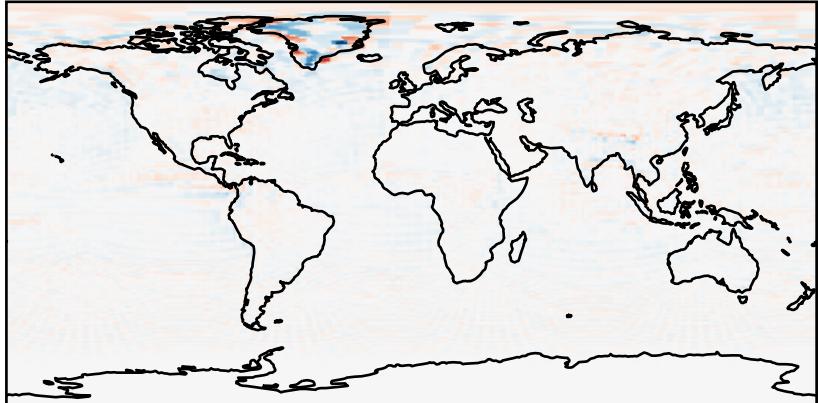
GCHP_12.4.0 (Ref)
c48



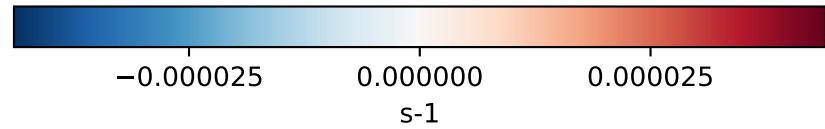
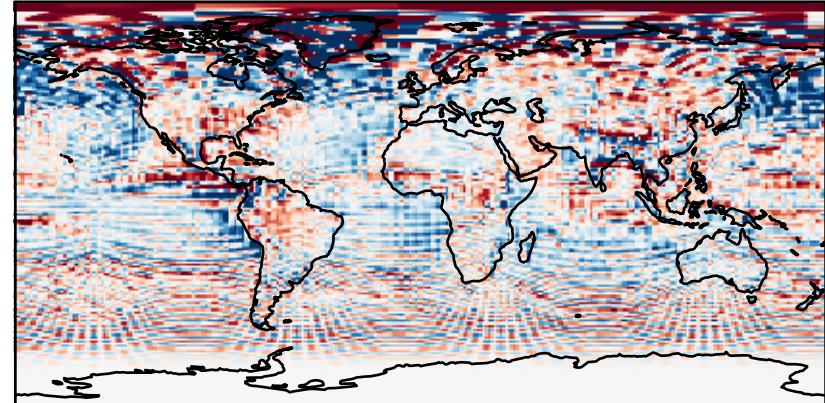
GCHP_12.5.0_c24 (Dev)
c24



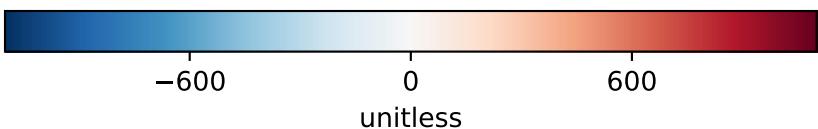
Difference (1x1.25)
Dev - Ref, Dynamic Range



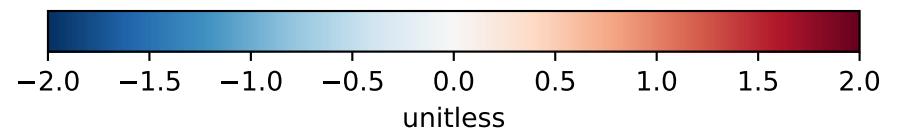
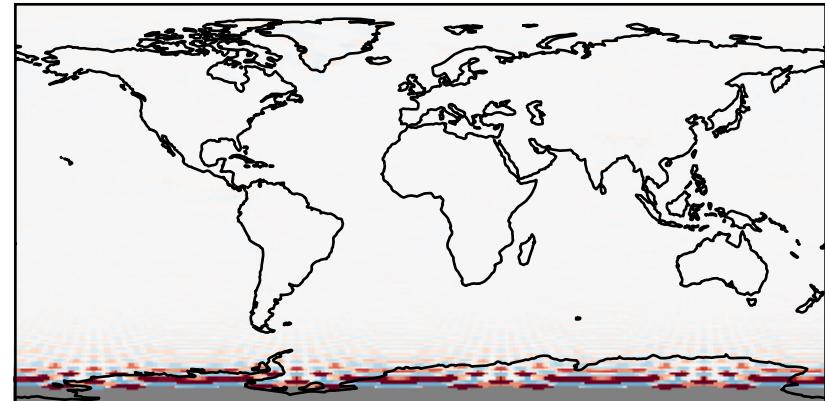
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

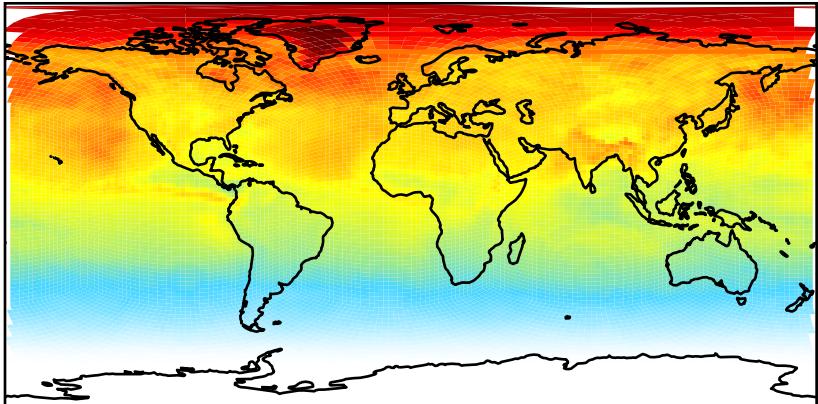


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

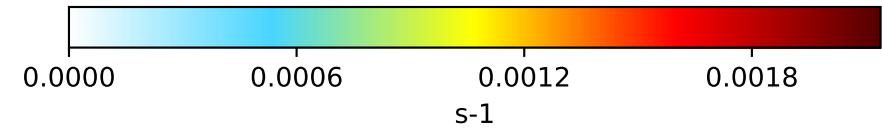
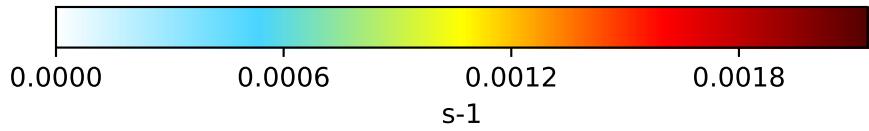
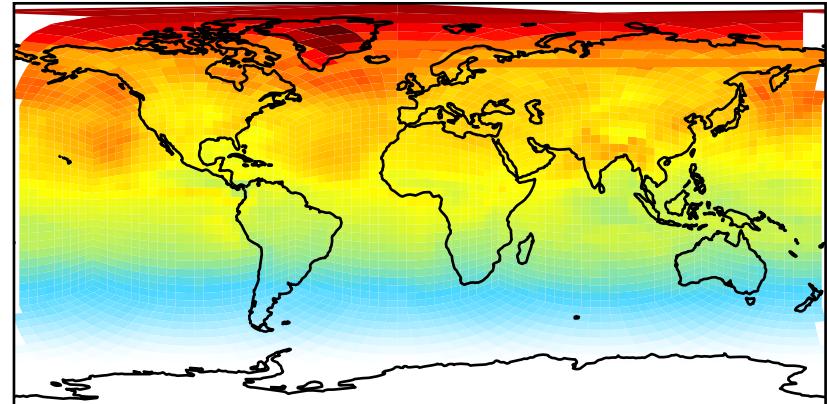


Jval_CI202

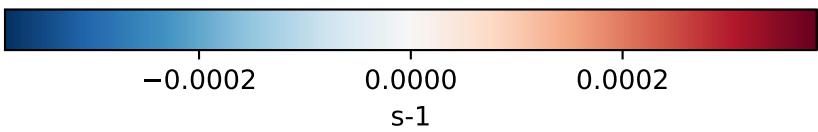
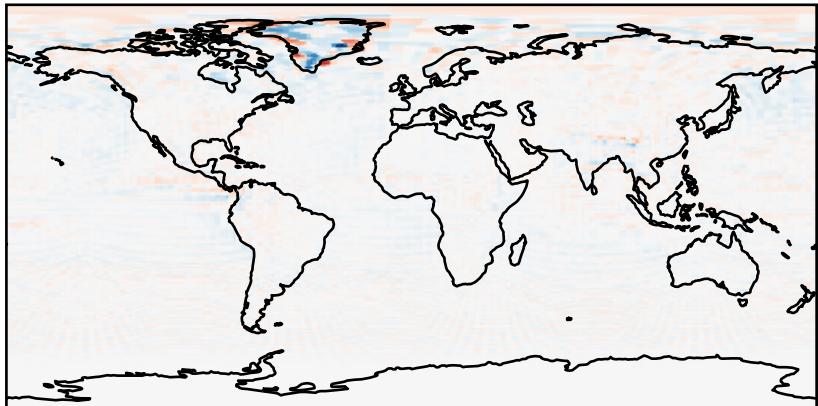
GCHP_12.4.0 (Ref)
c48



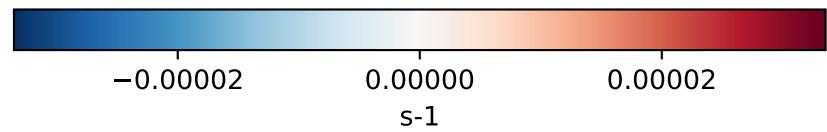
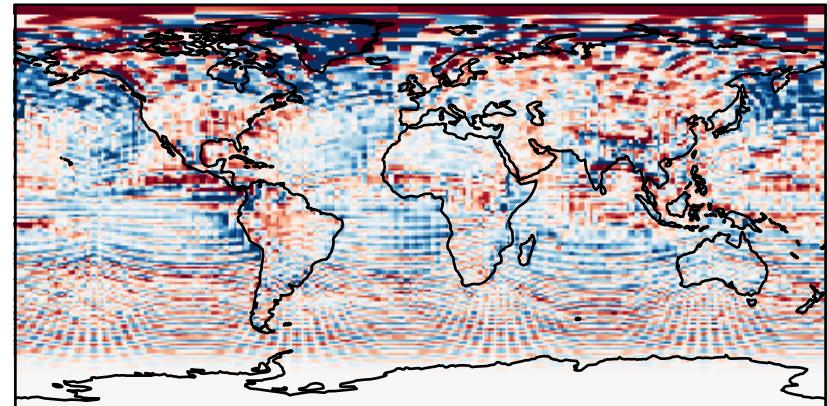
GCHP_12.5.0_c24 (Dev)
c24



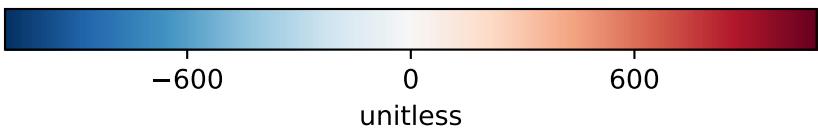
Difference (1x1.25)
Dev - Ref, Dynamic Range



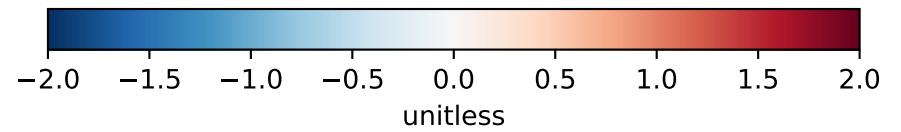
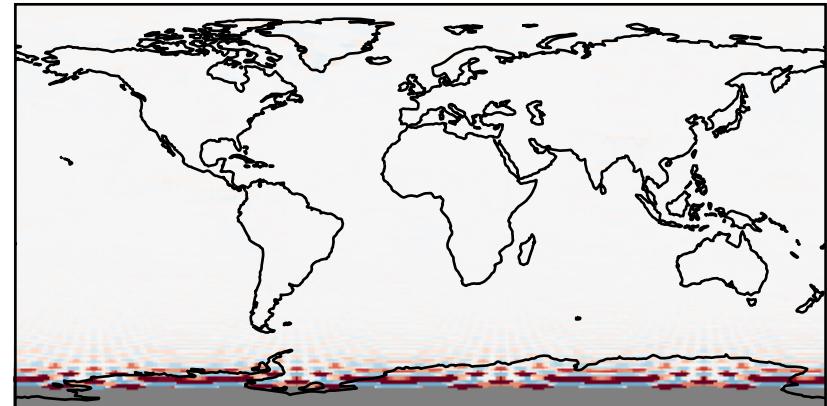
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

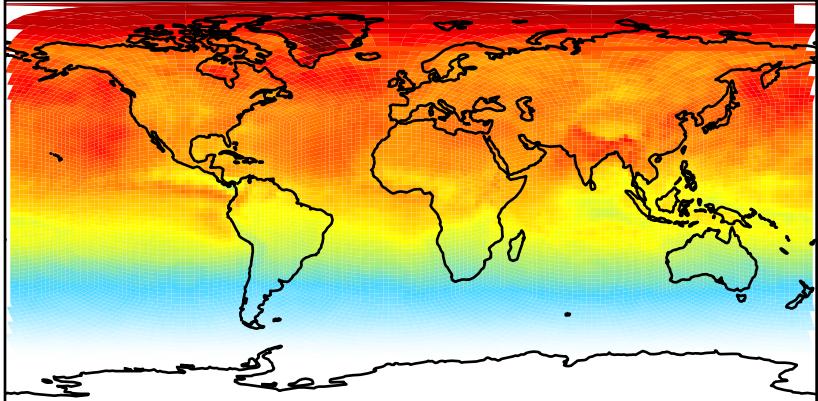


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

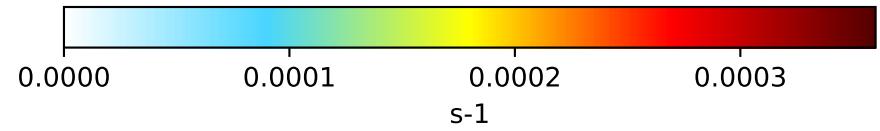
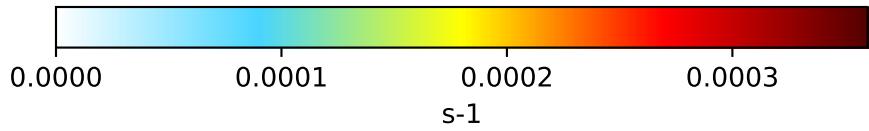
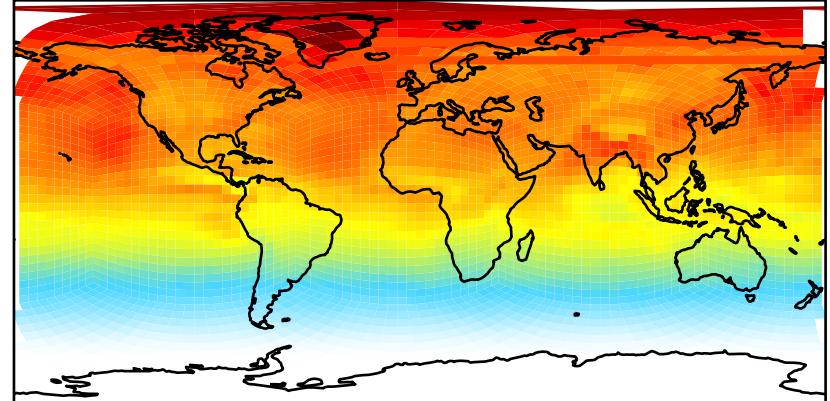


Jval_ClNO₂

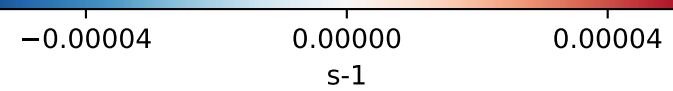
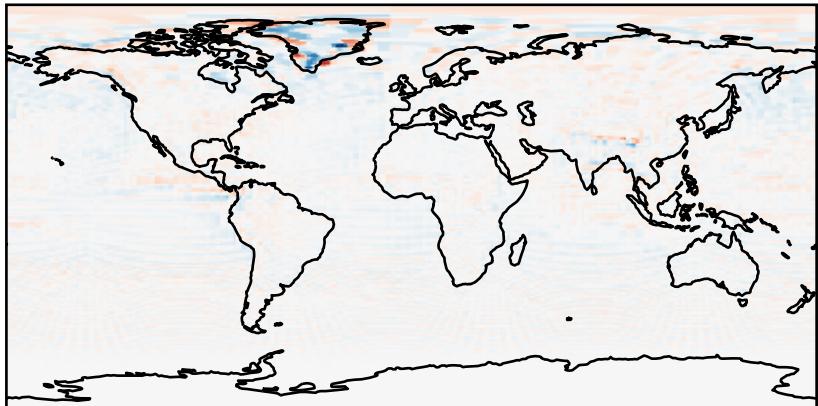
GCHP_12.4.0 (Ref)
c48



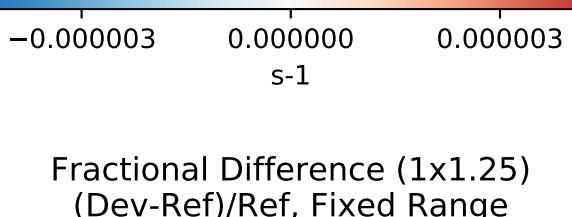
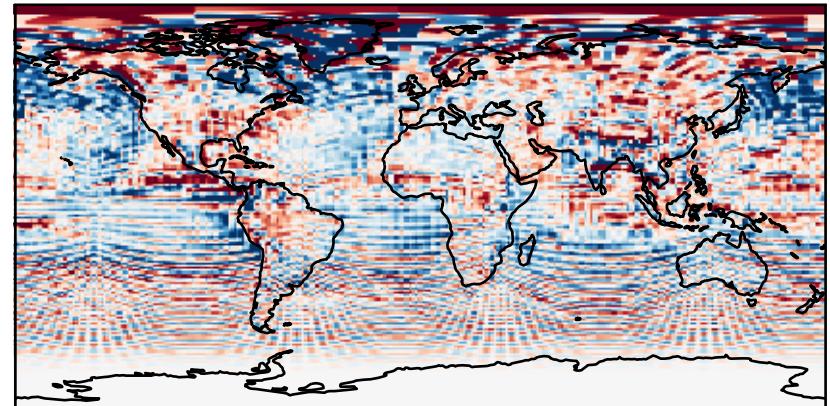
GCHP_12.5.0_c24 (Dev)
c24



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



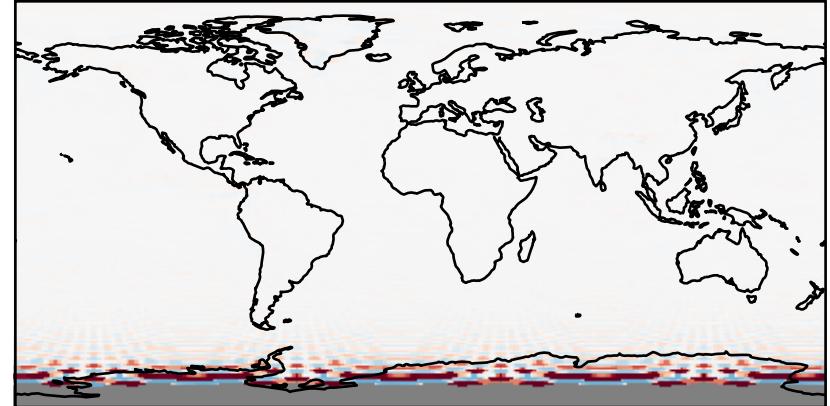
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



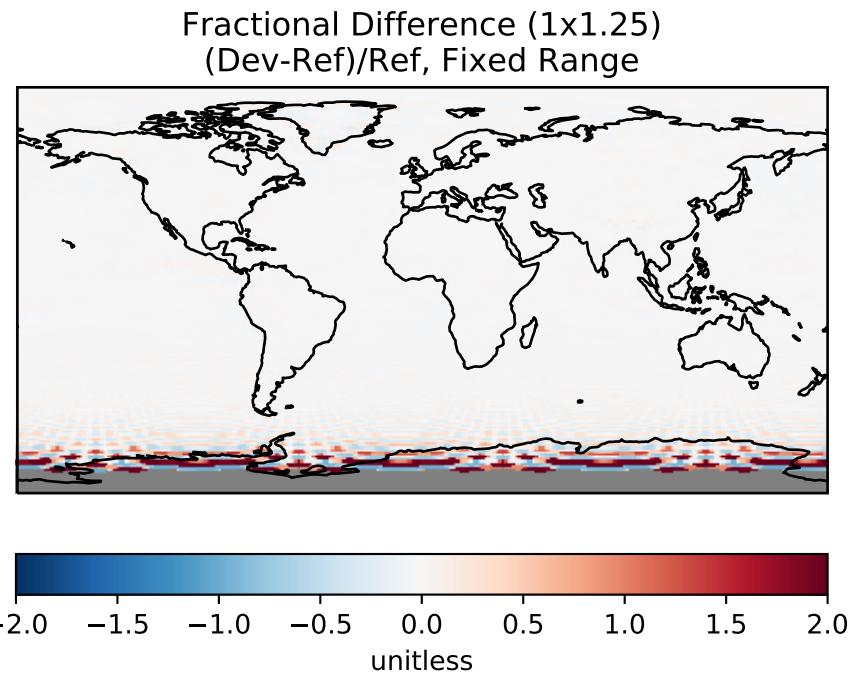
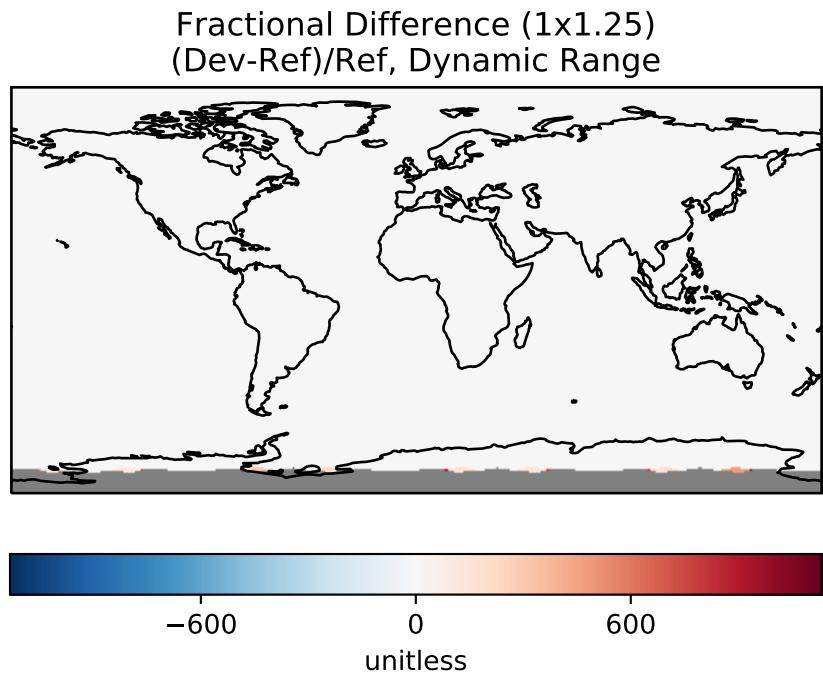
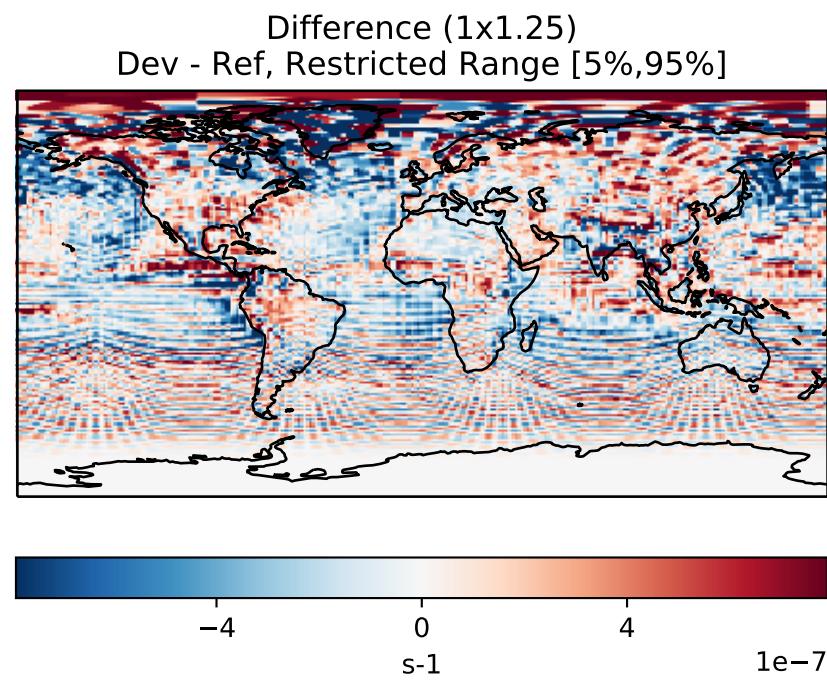
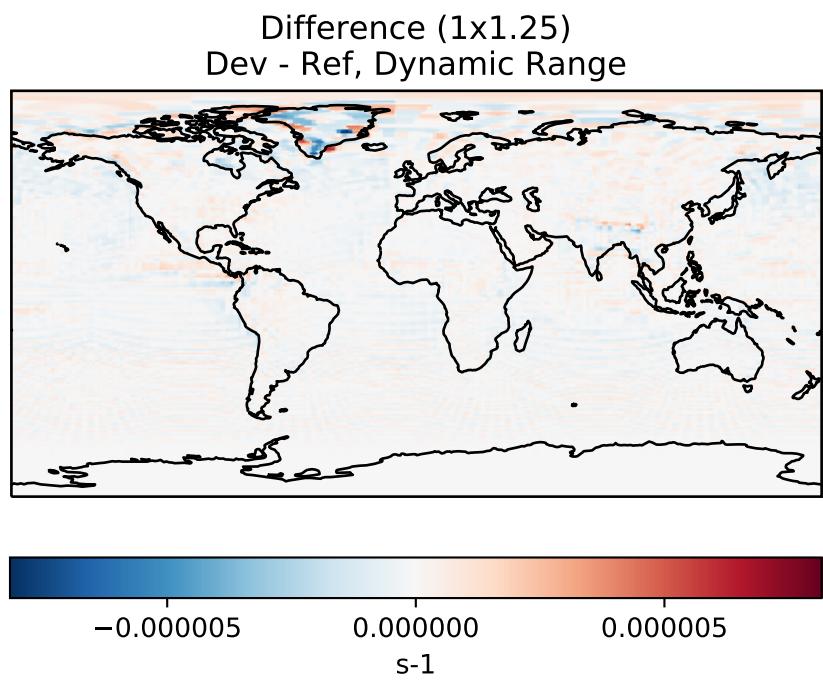
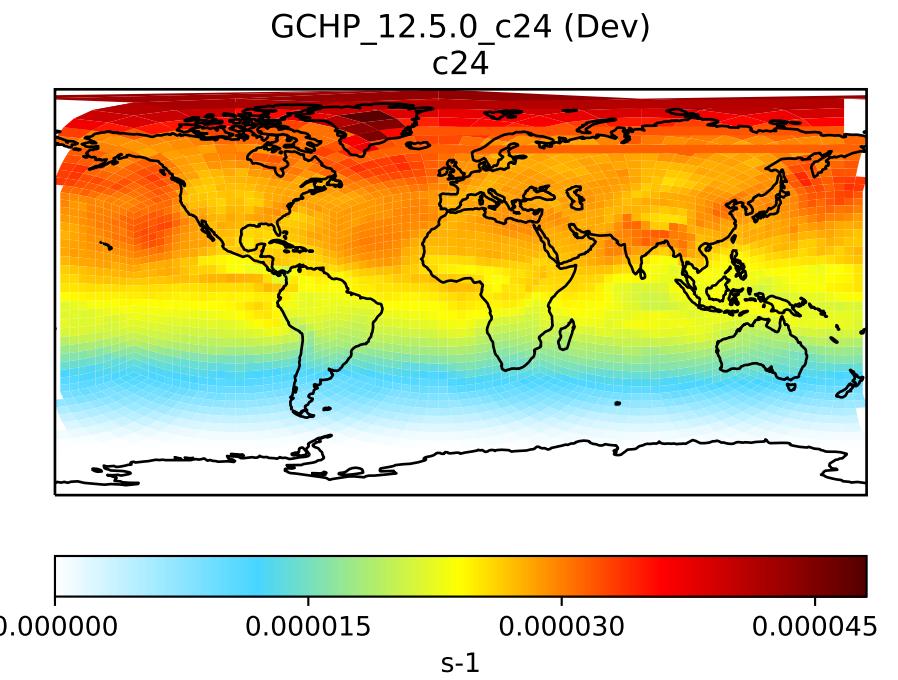
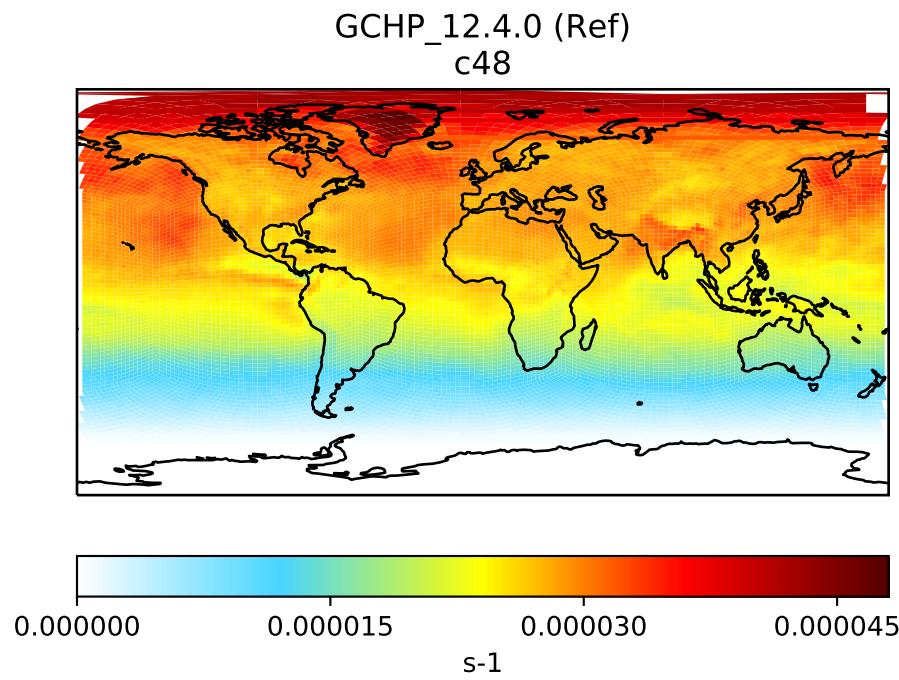
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



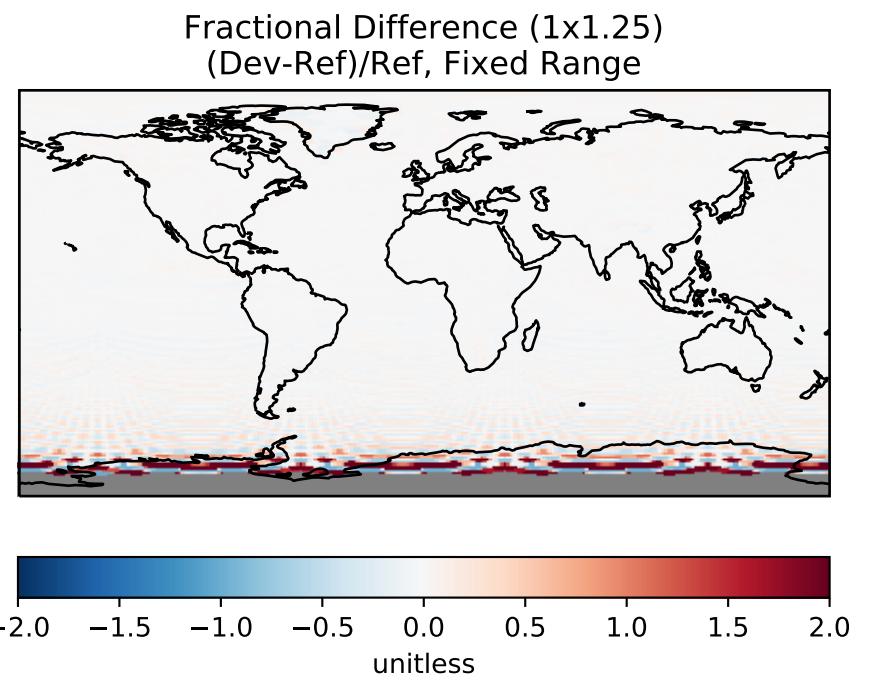
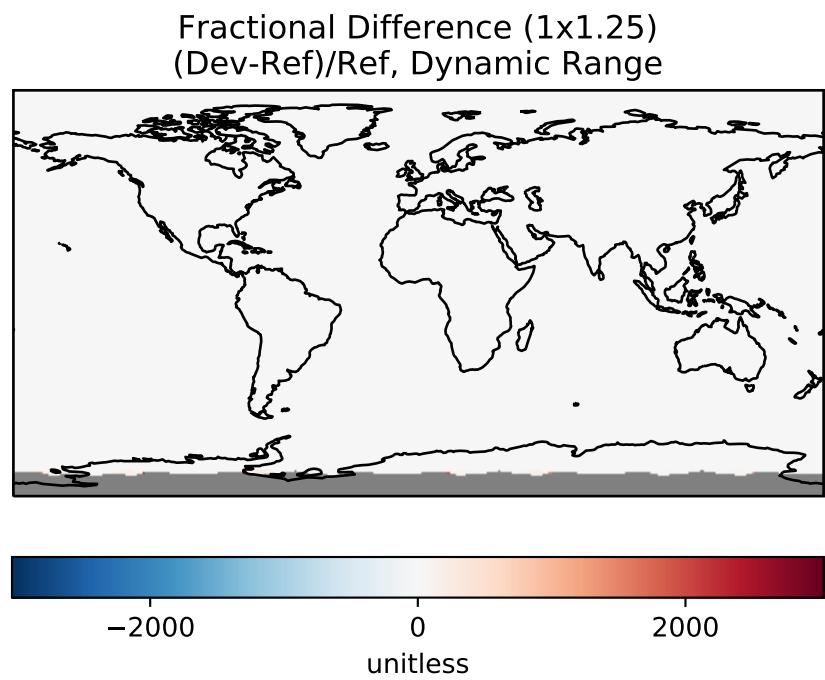
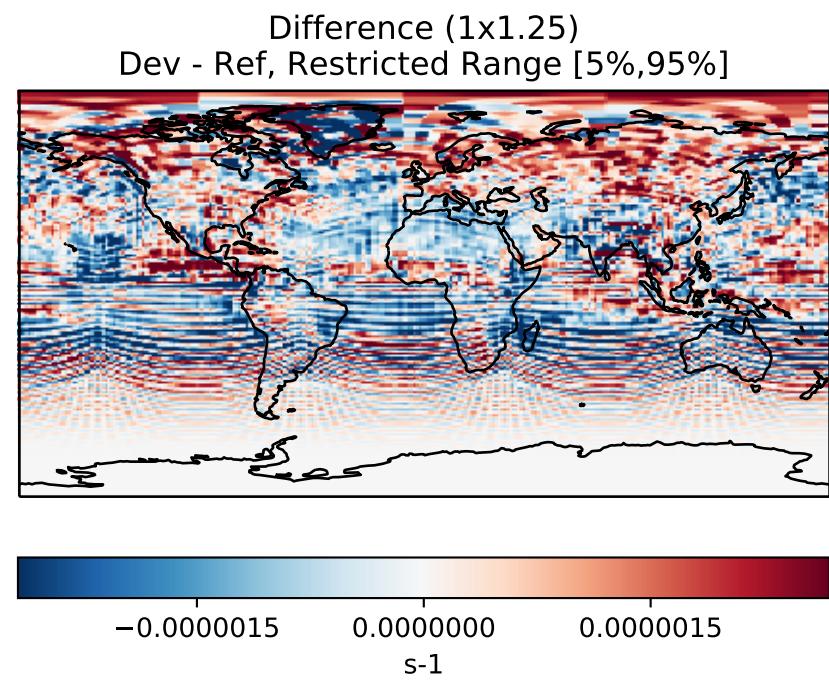
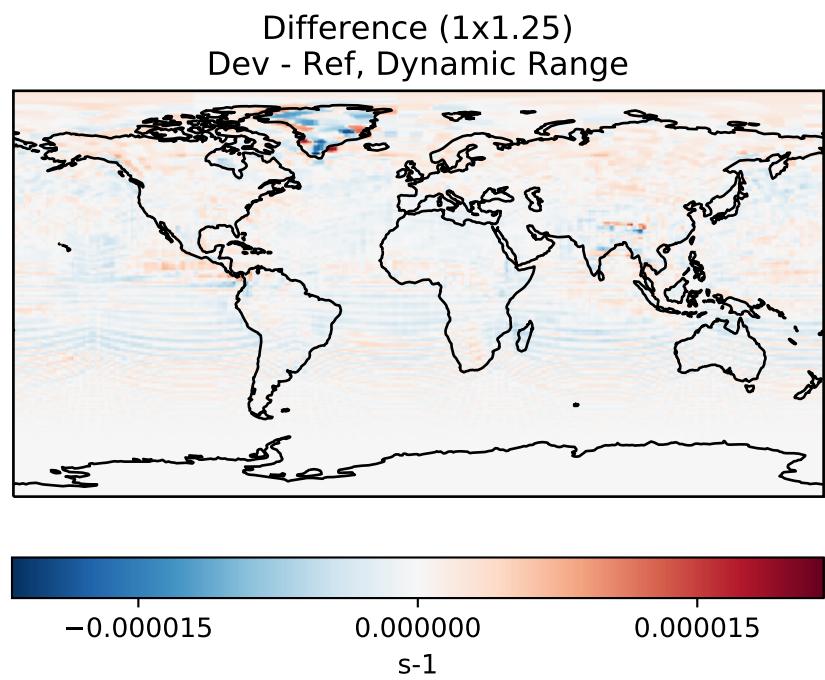
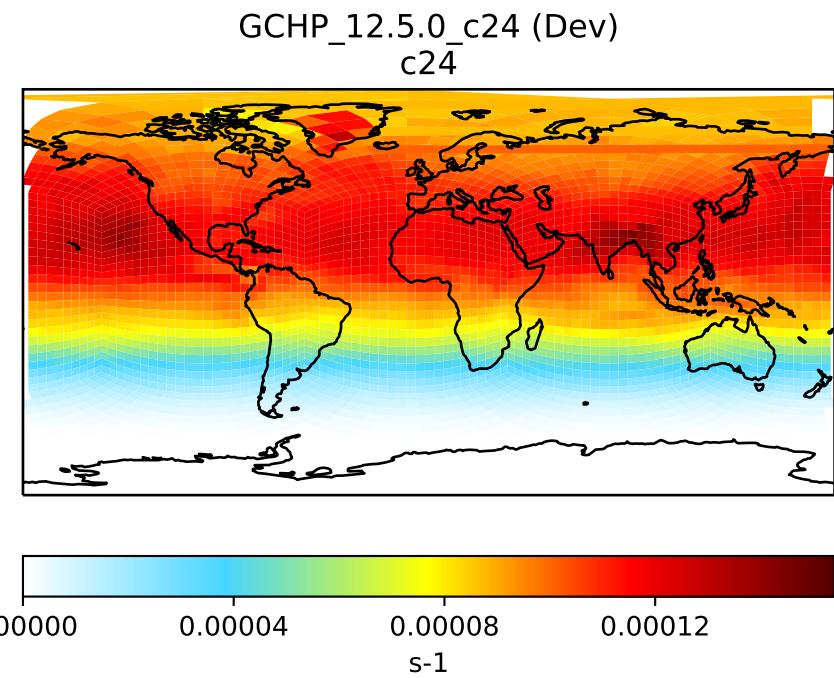
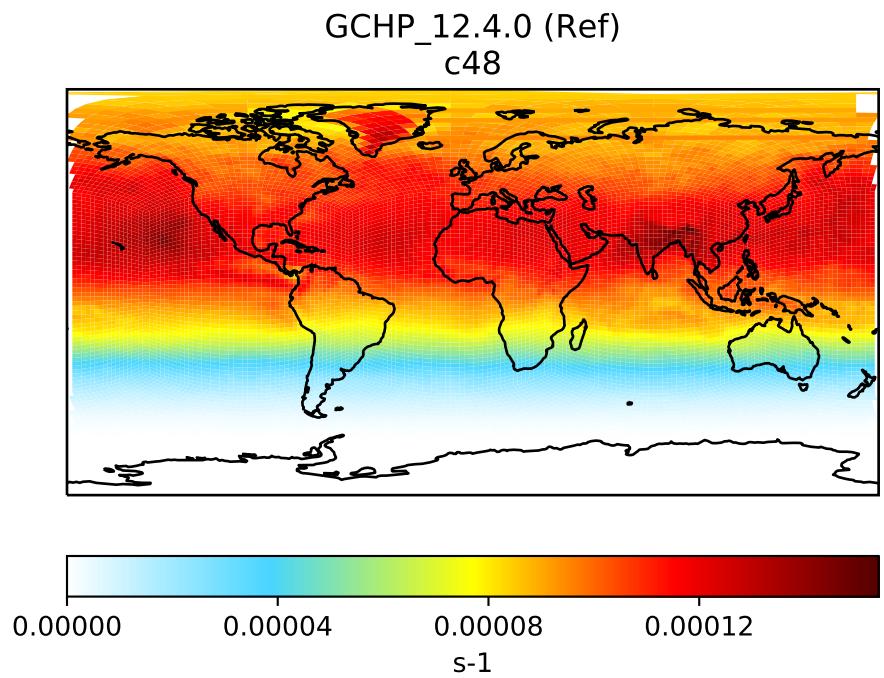
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



Jval_ClNO3

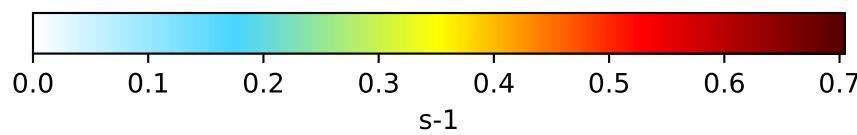
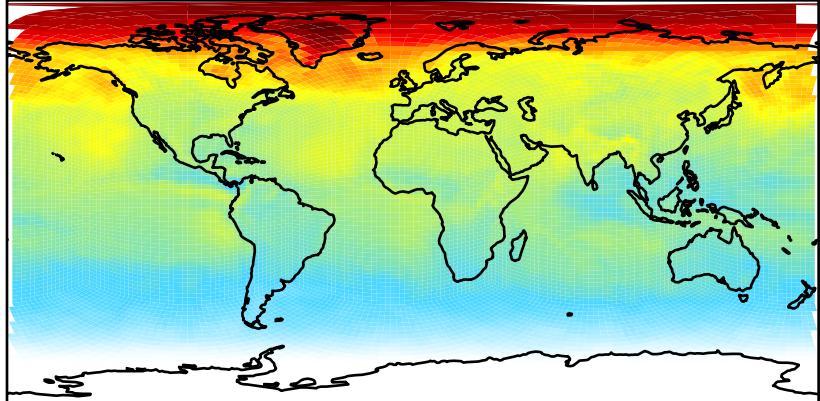


Jval_CIO

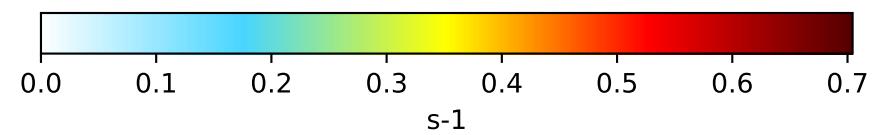
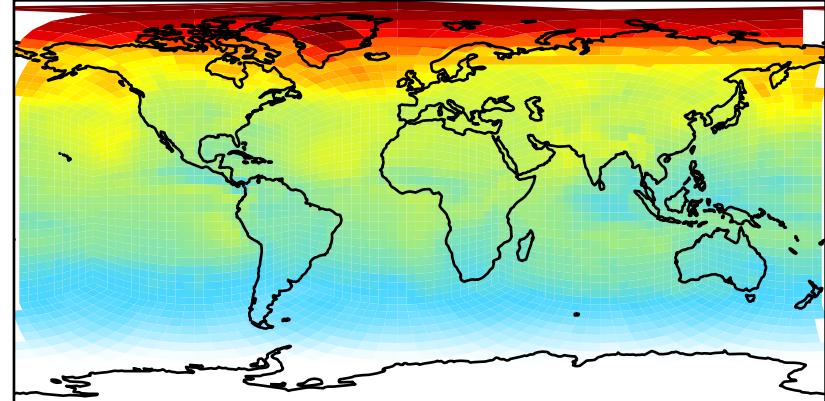


Jval_CIOO

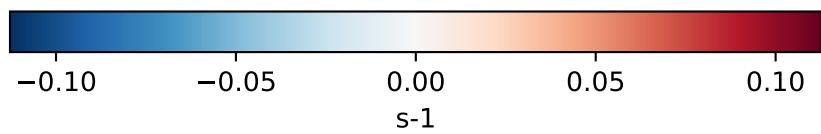
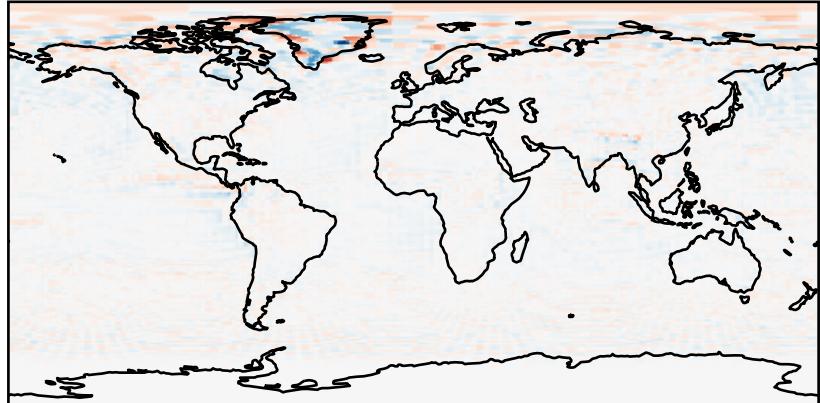
GCHP_12.4.0 (Ref)
c48



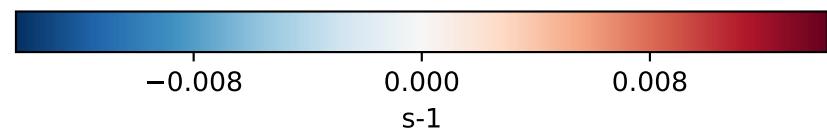
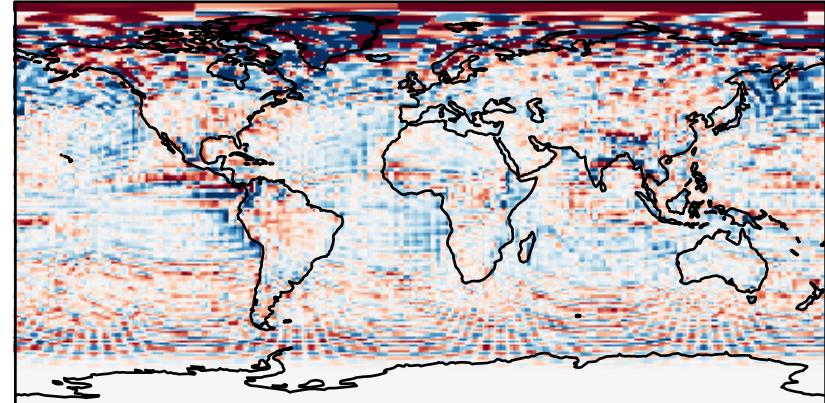
GCHP_12.5.0_c24 (Dev)
c24



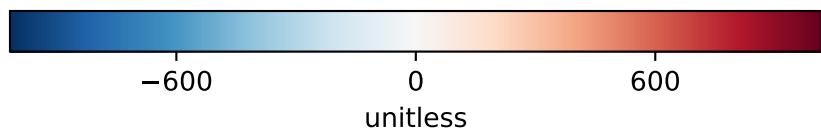
Difference (1x1.25)
Dev - Ref, Dynamic Range



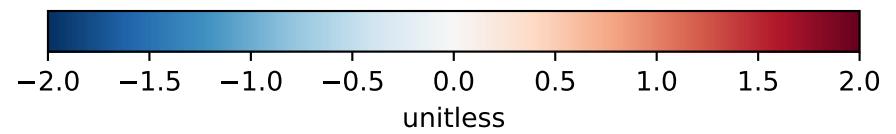
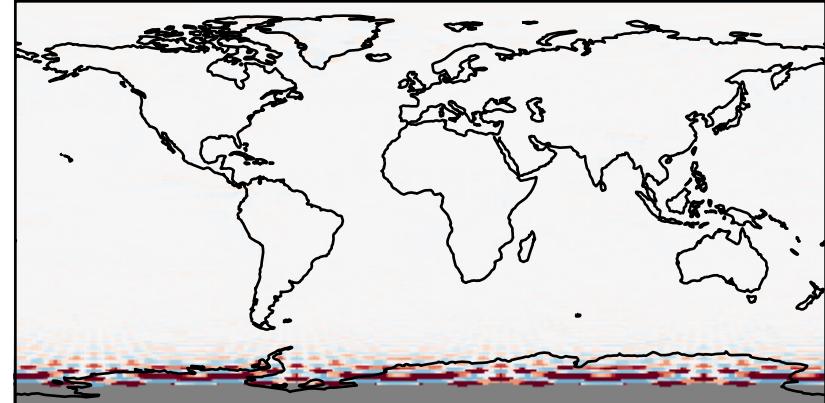
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

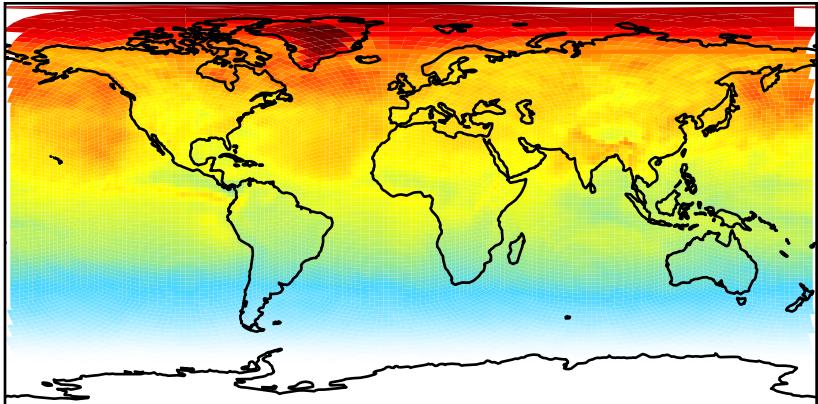


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

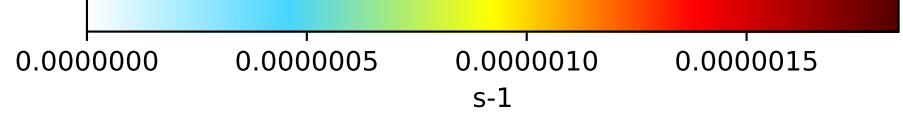
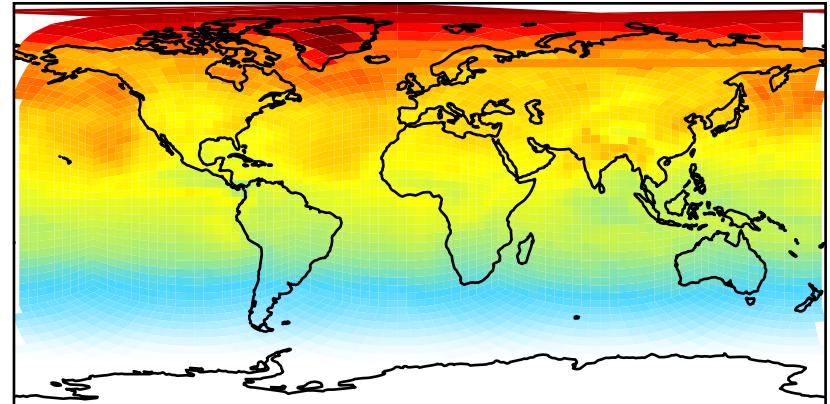


Jval_DHDC

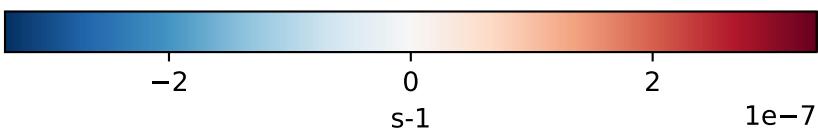
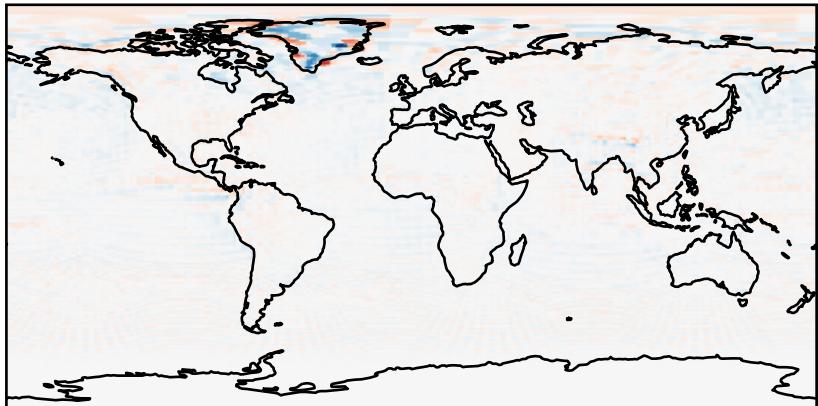
GCHP_12.4.0 (Ref)
c48



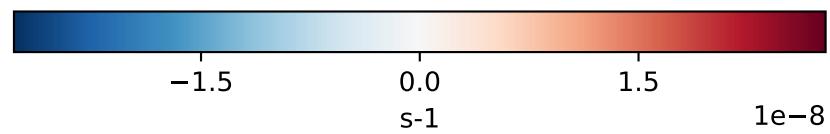
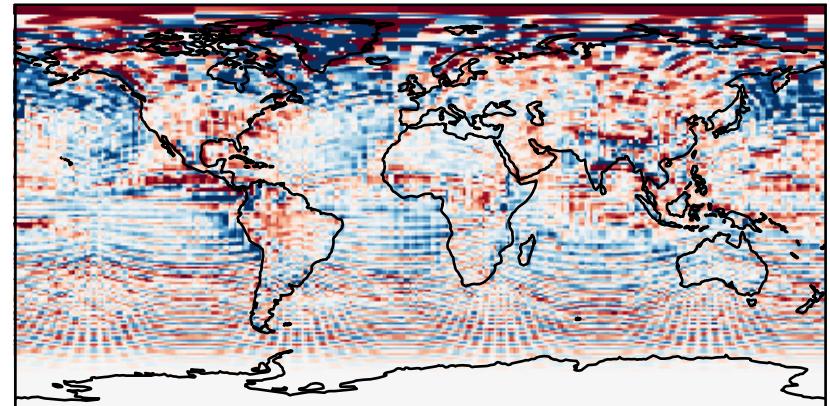
GCHP_12.5.0_c24 (Dev)
c24



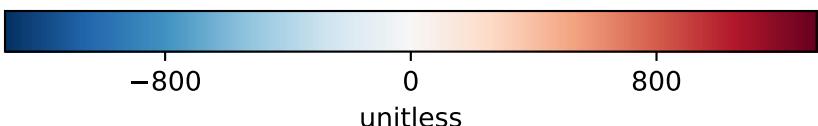
Difference (1x1.25)
Dev - Ref, Dynamic Range



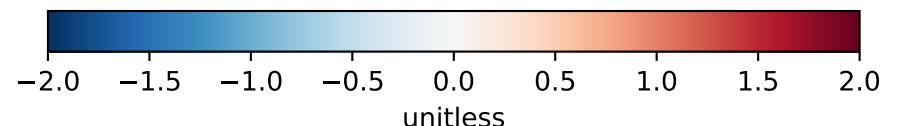
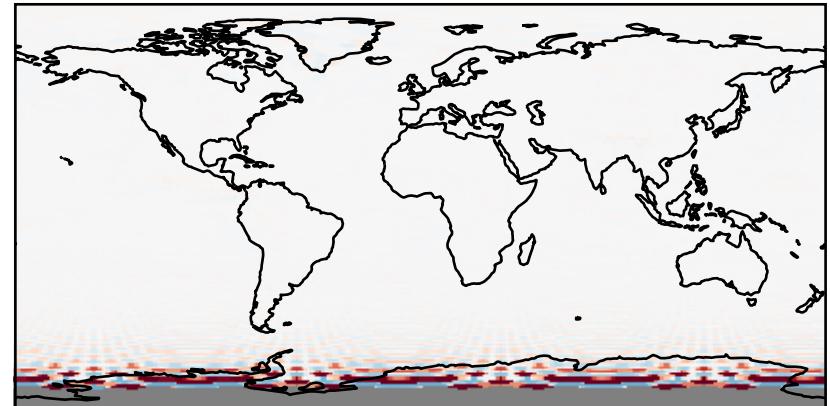
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



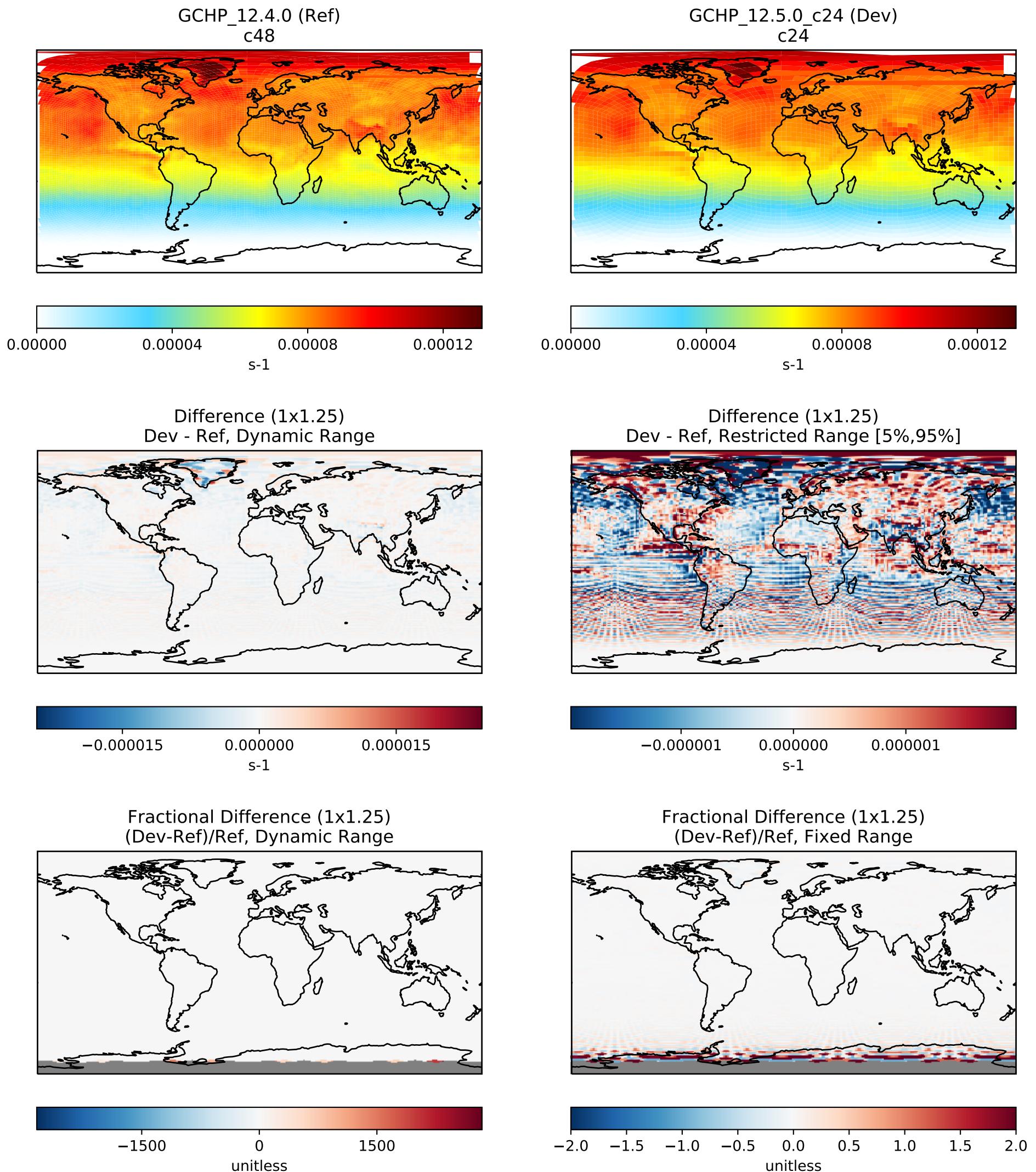
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



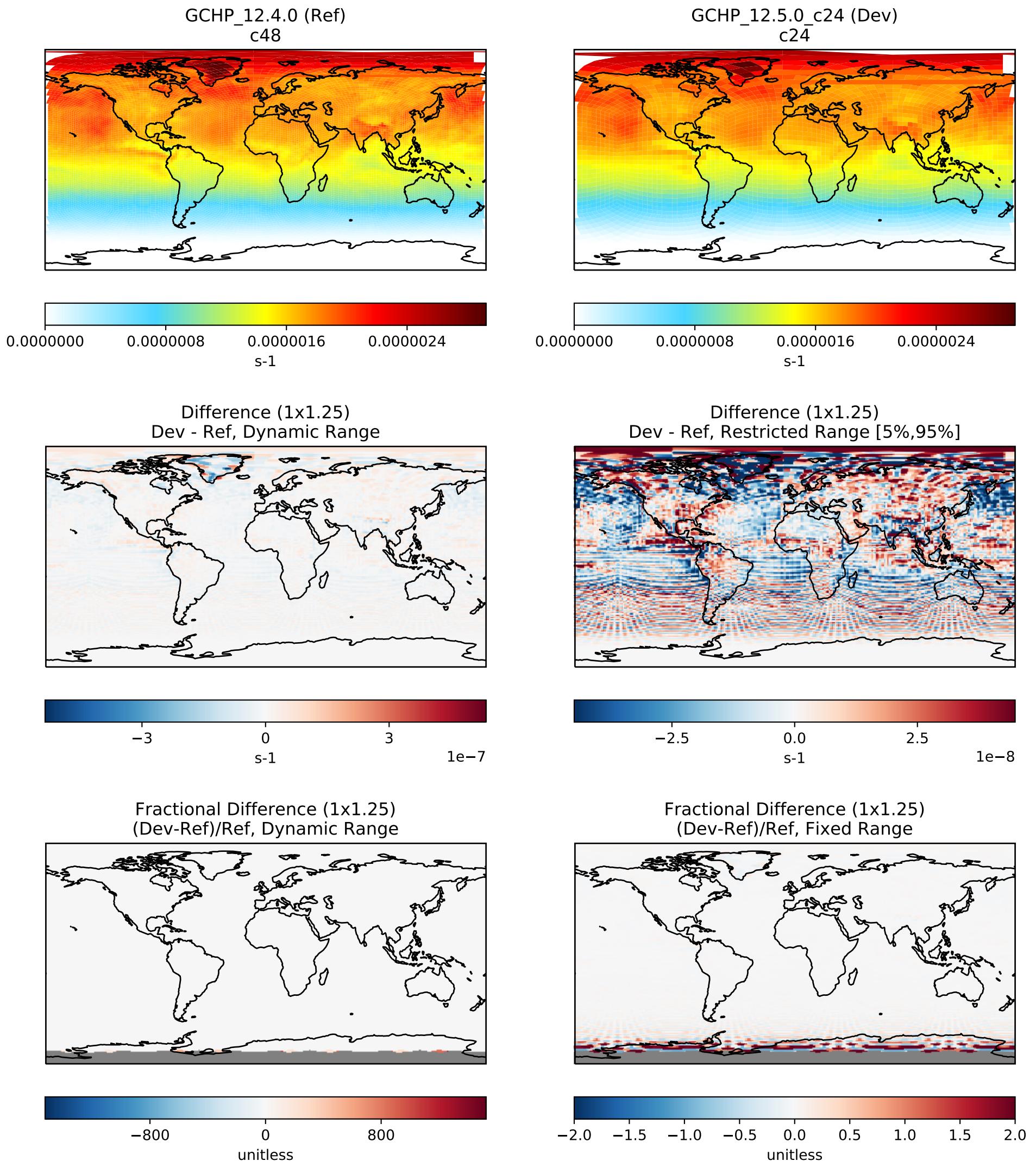
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



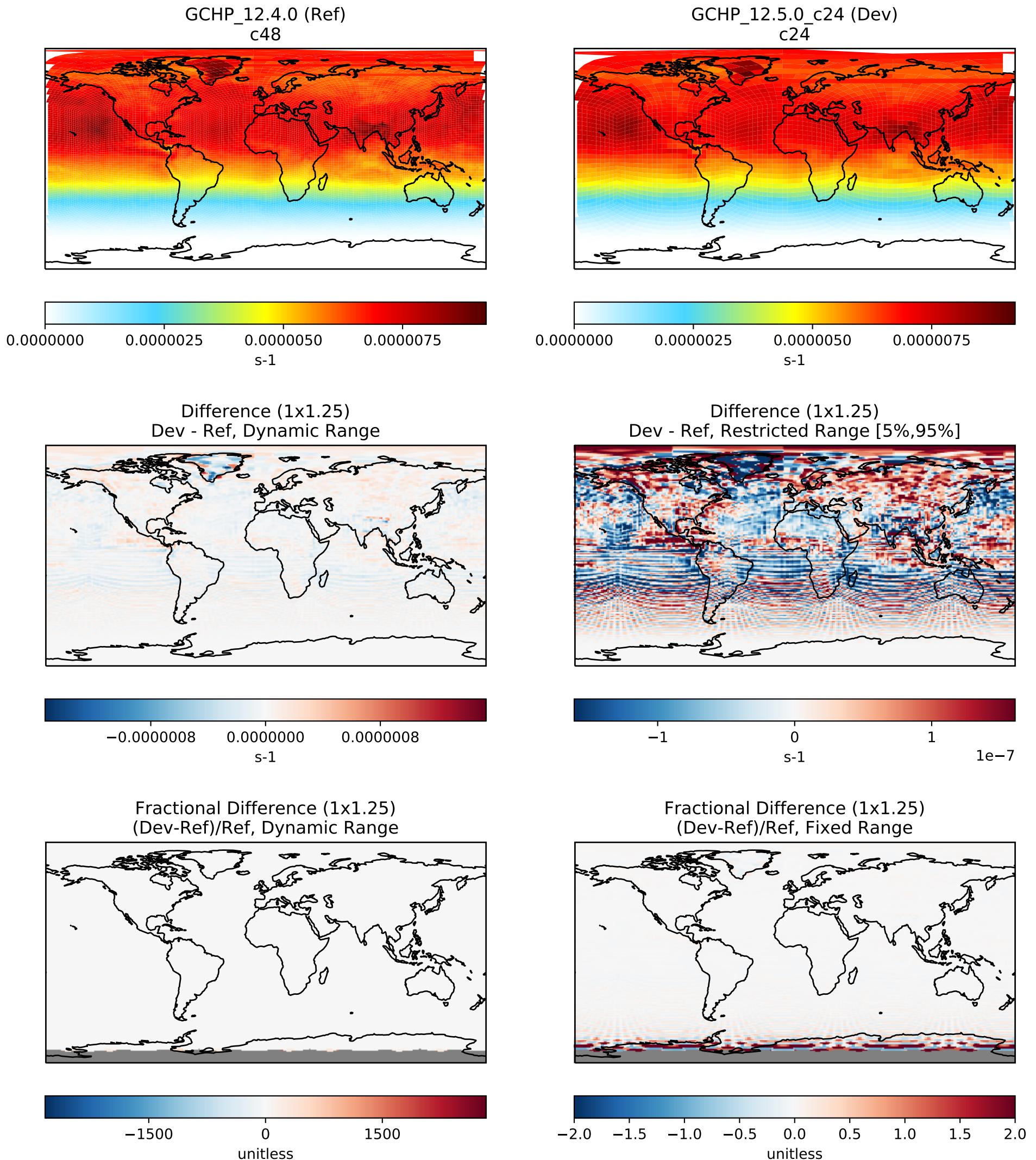
Jval_ETHLN



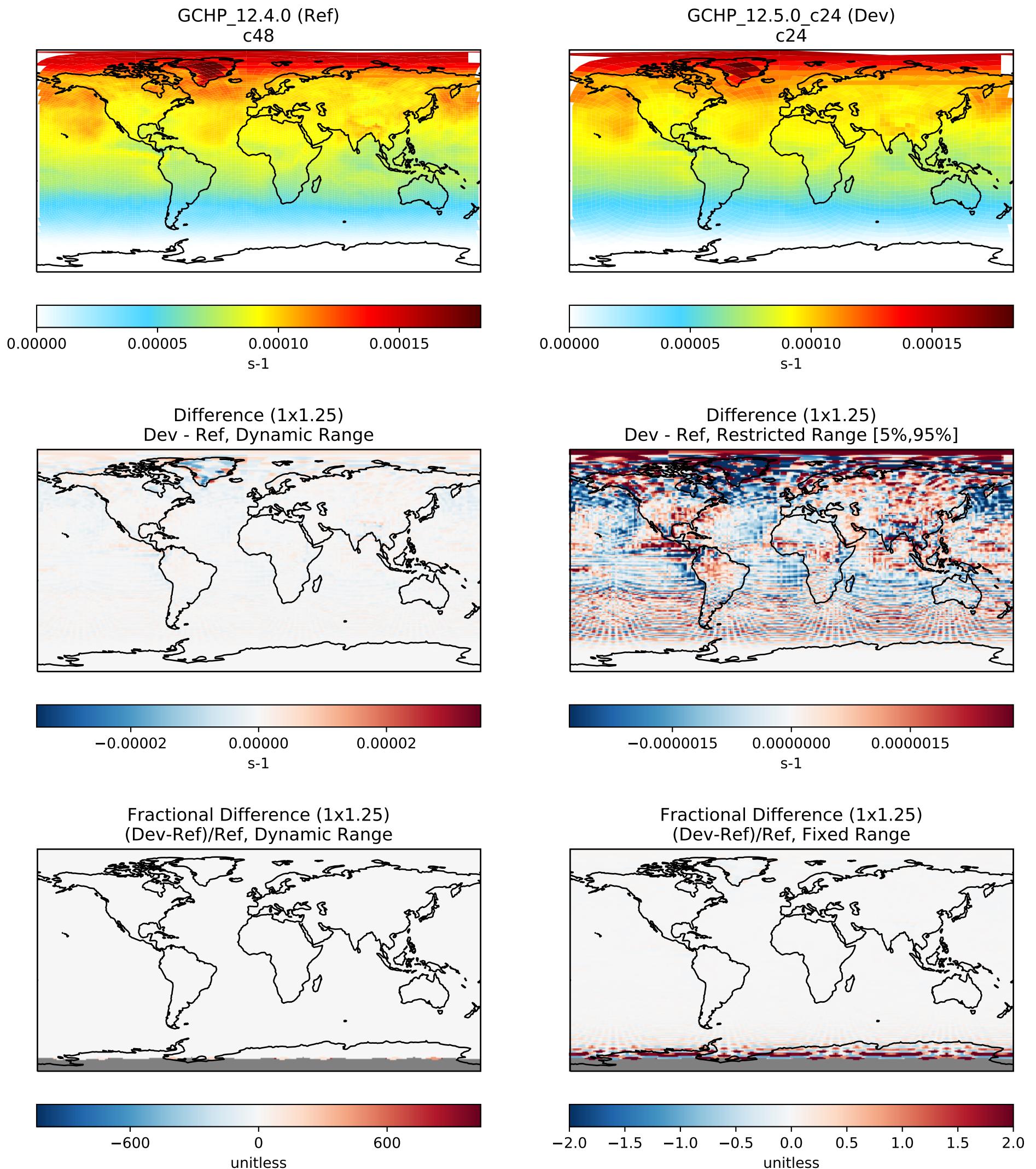
Jval_ETP



Jval_GLYC

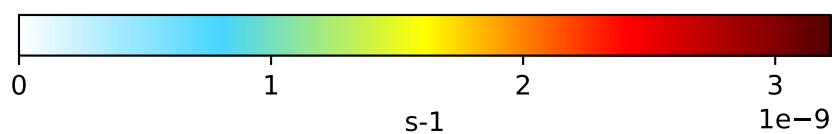
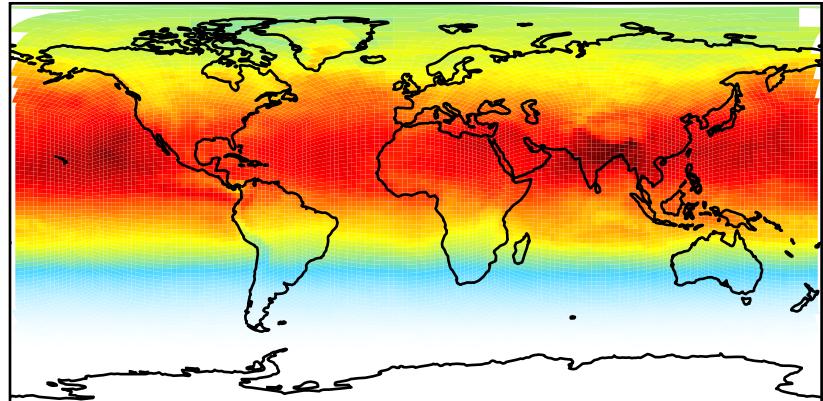


Jval_GLYX

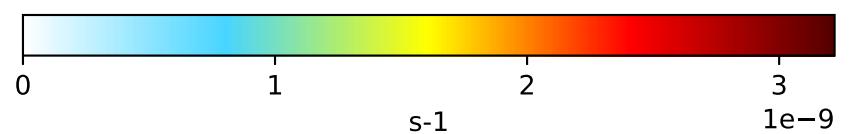
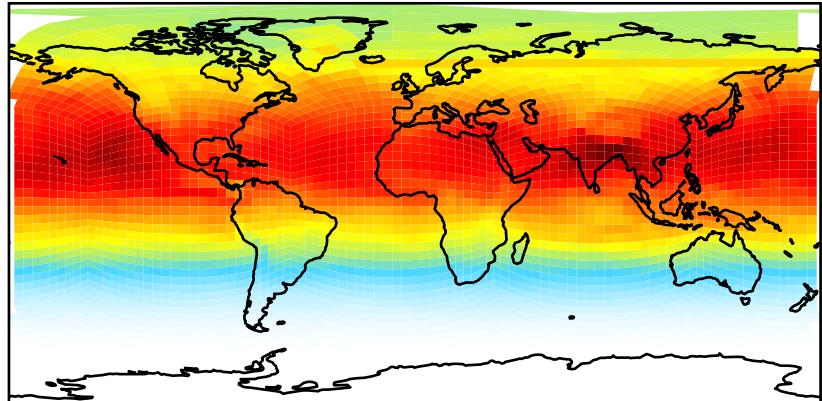


Jval_H1211

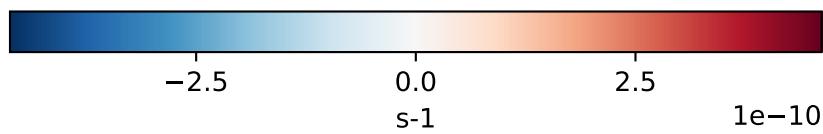
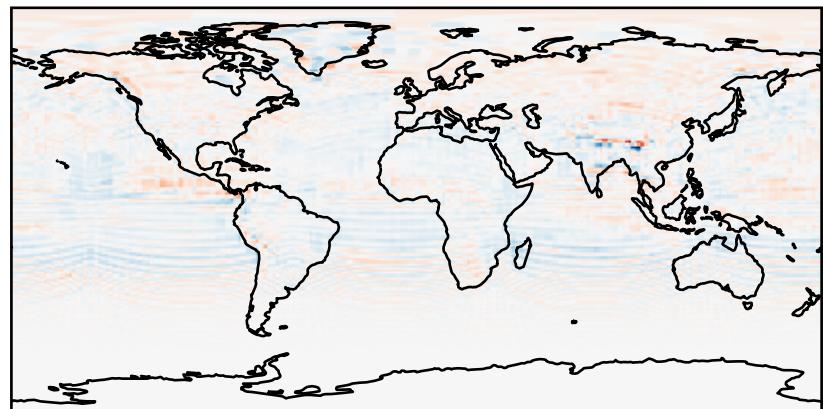
GCHP_12.4.0 (Ref)
c48



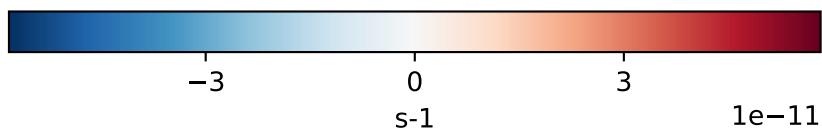
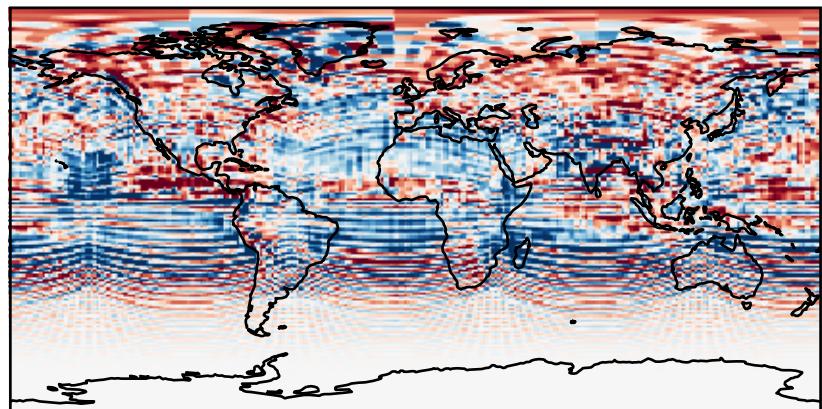
GCHP_12.5.0_c24 (Dev)
c24



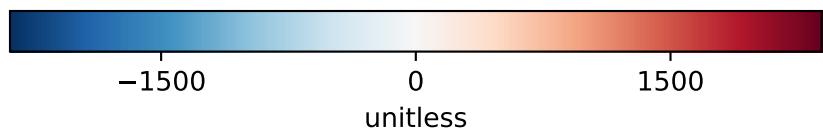
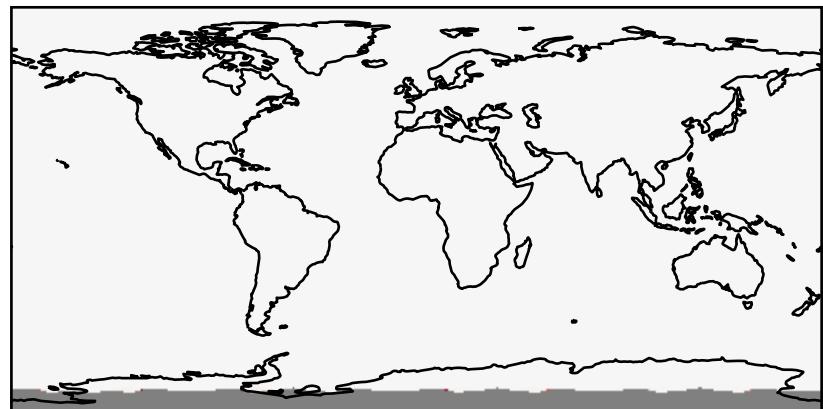
Difference (1x1.25)
Dev - Ref, Dynamic Range



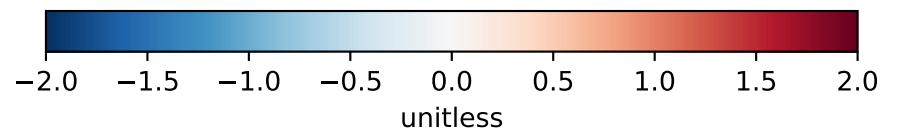
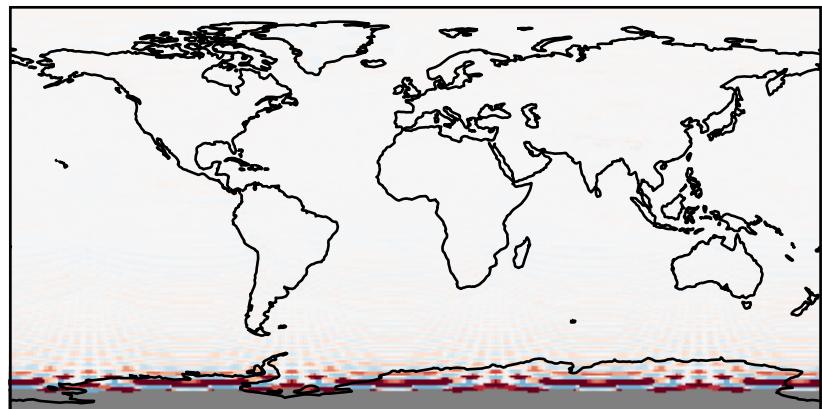
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

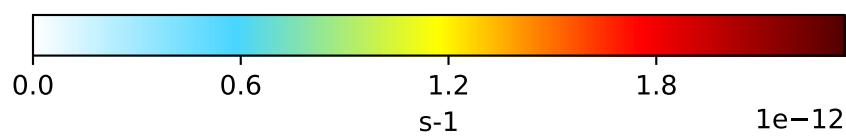
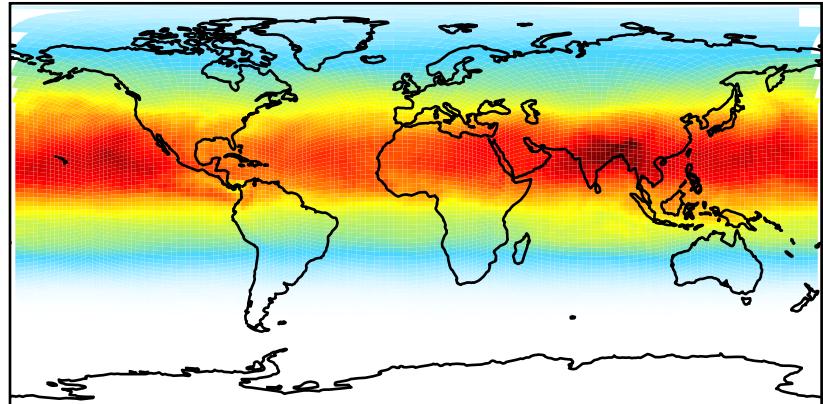


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

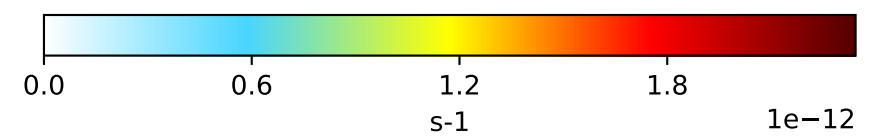
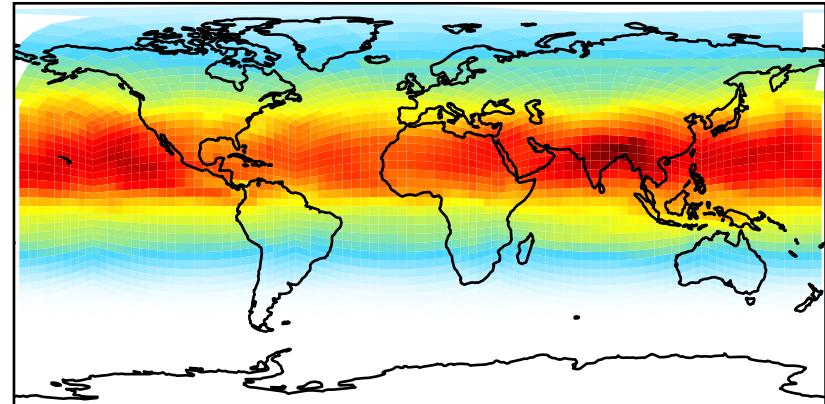


Jval_H1301

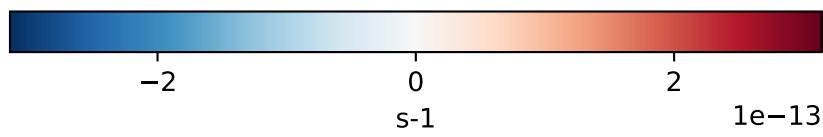
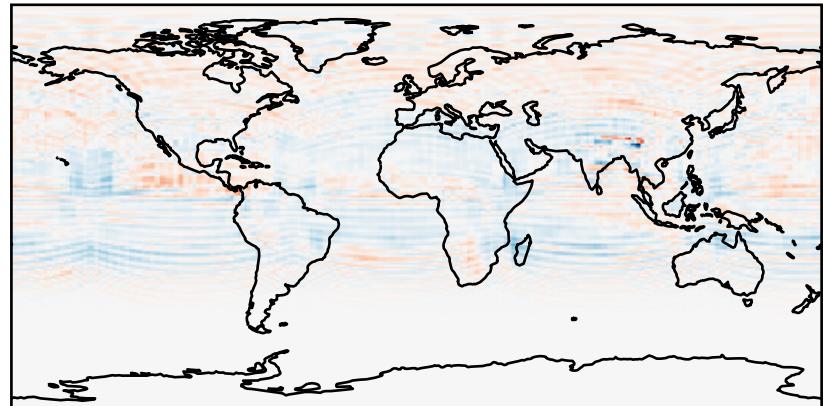
GCHP_12.4.0 (Ref)
c48



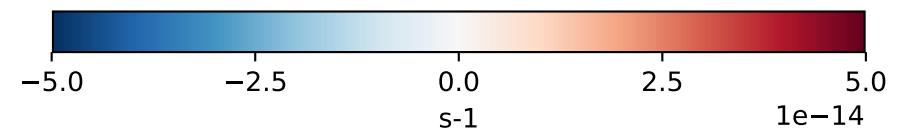
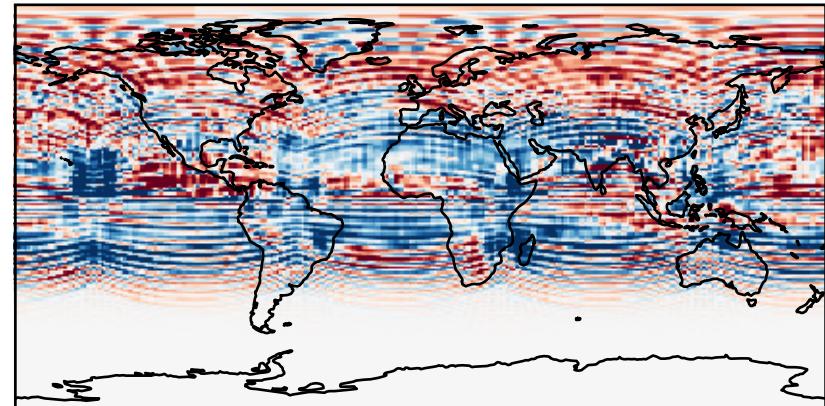
GCHP_12.5.0_c24 (Dev)
c24



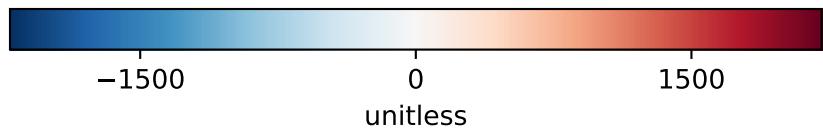
Difference (1x1.25)
Dev - Ref, Dynamic Range



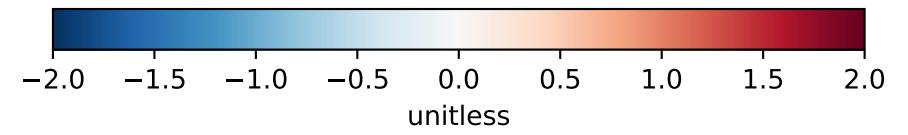
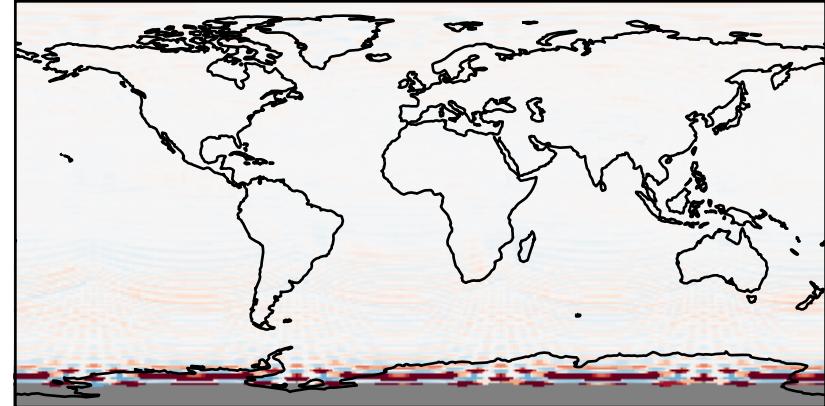
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



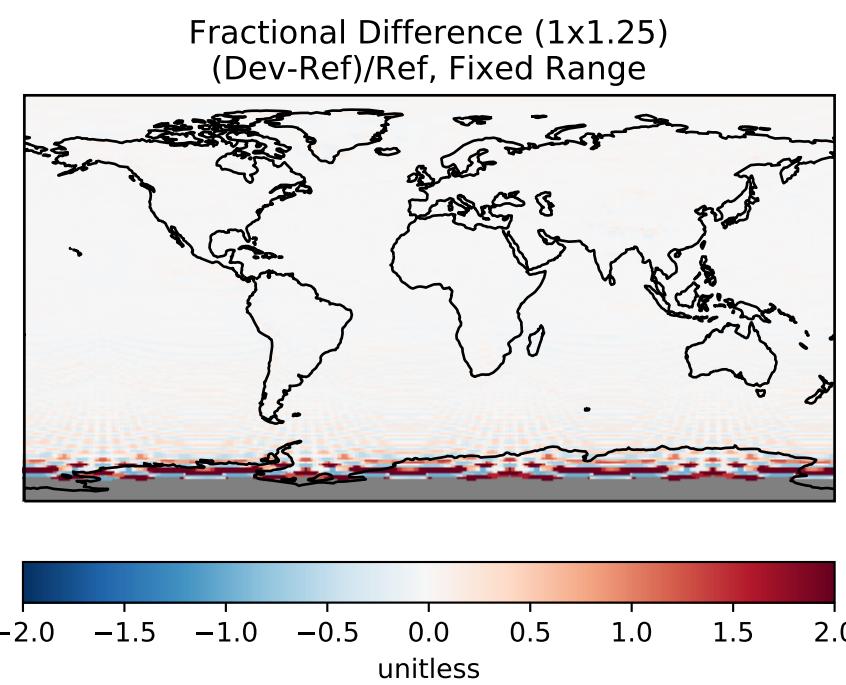
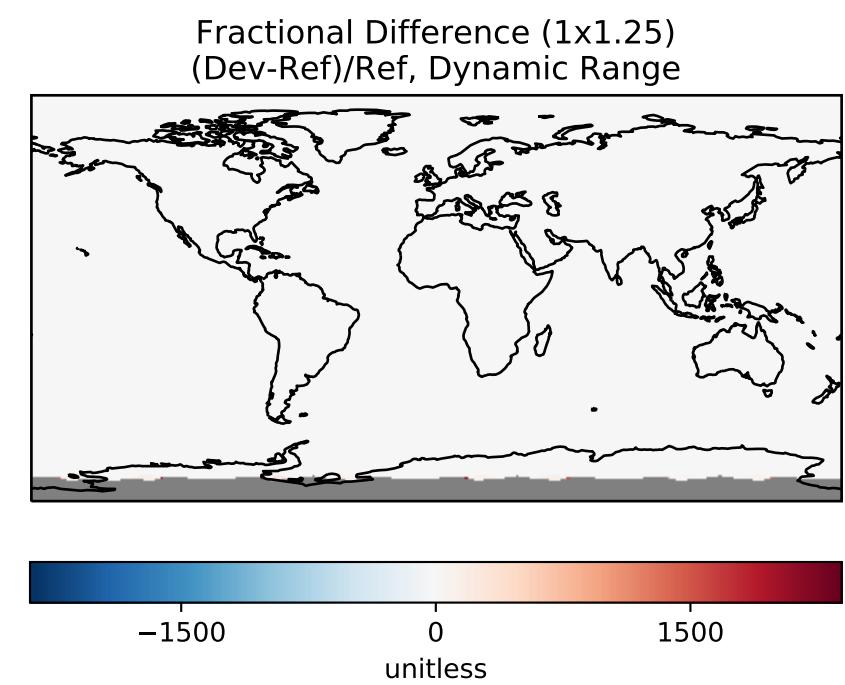
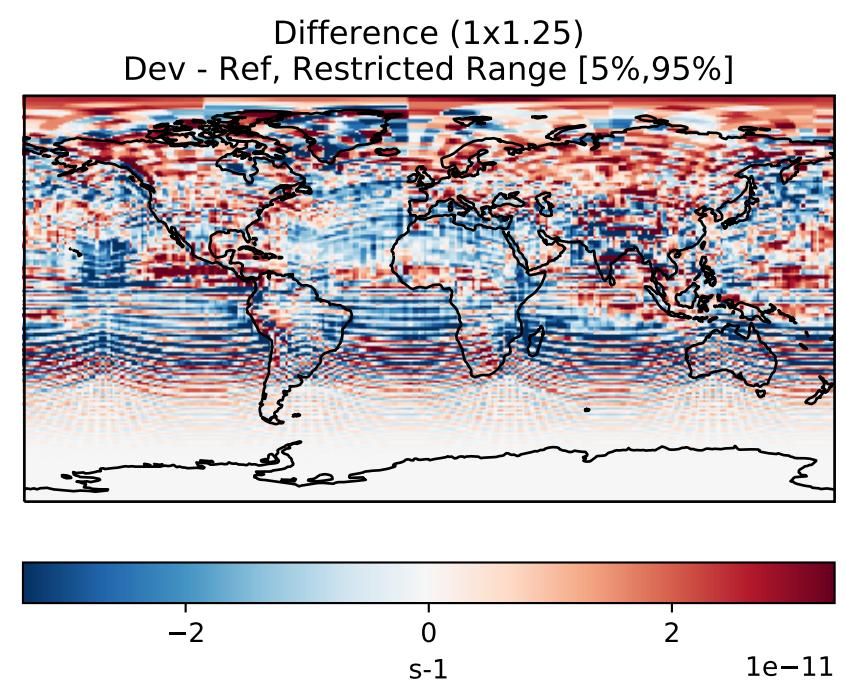
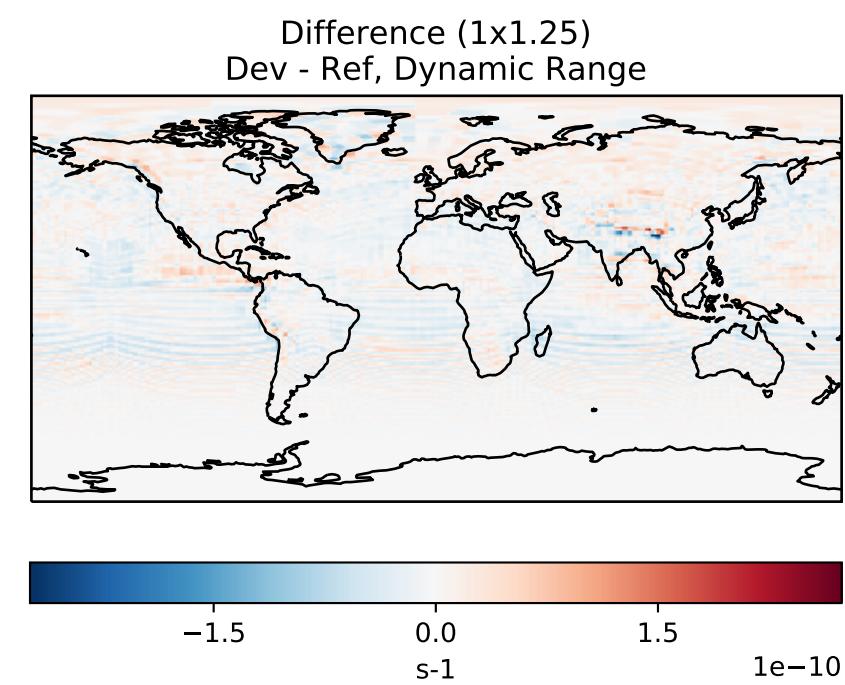
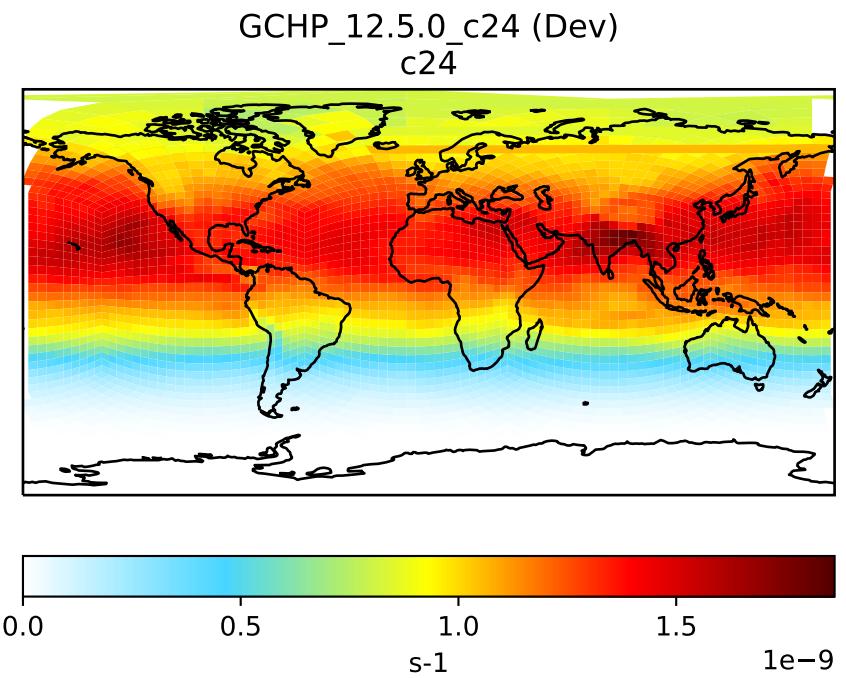
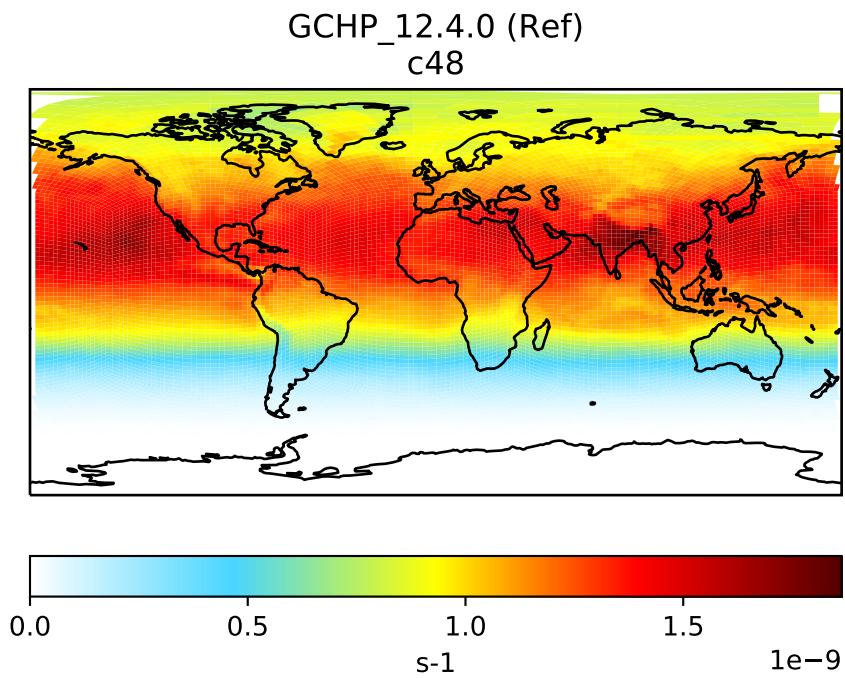
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



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

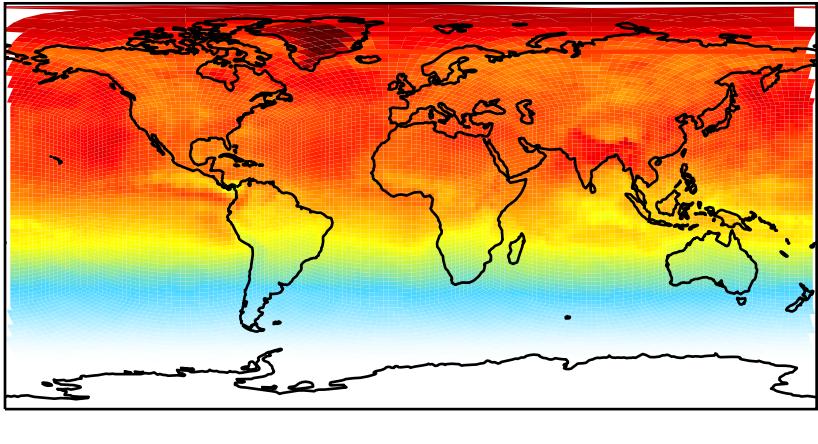


Jval_H2402

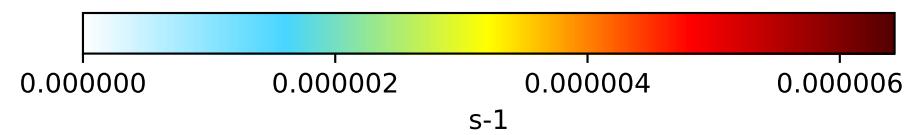
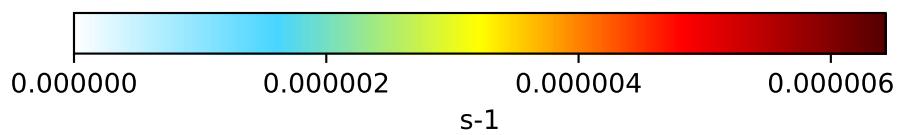
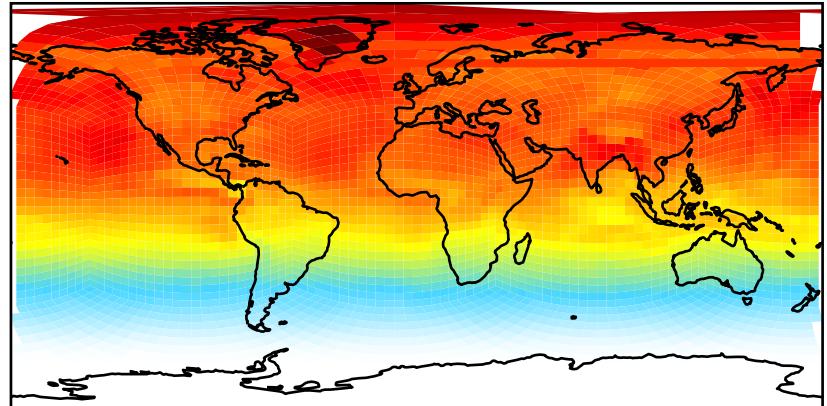


Jval_H2O2

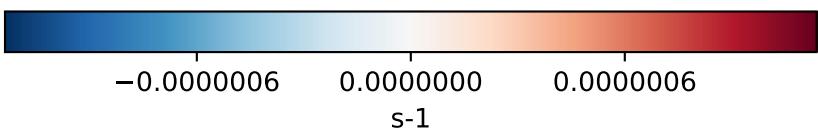
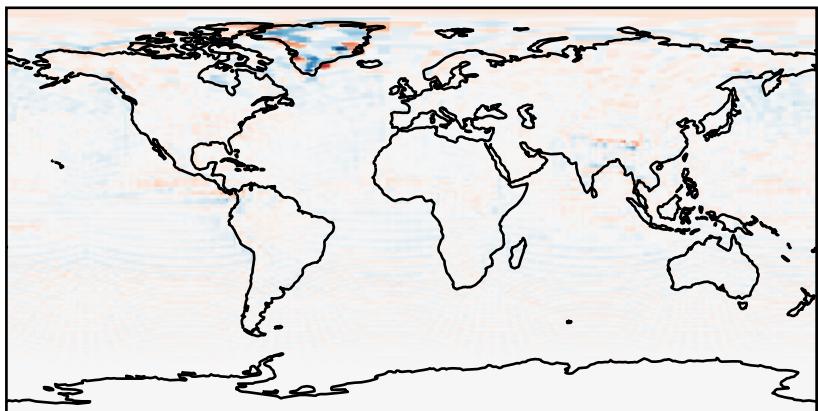
GCHP_12.4.0 (Ref)
c48



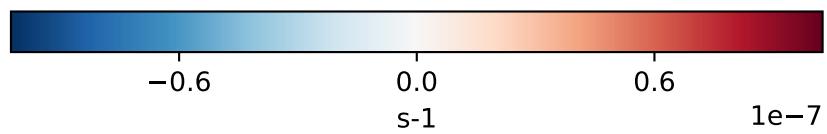
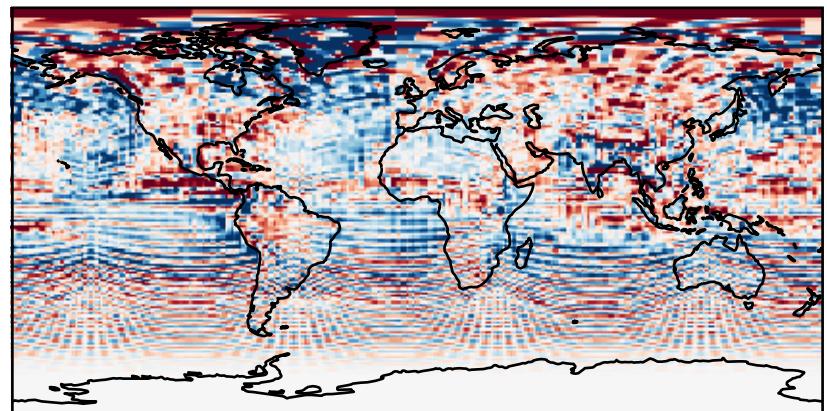
GCHP_12.5.0_c24 (Dev)
c24



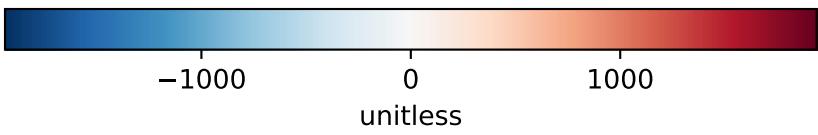
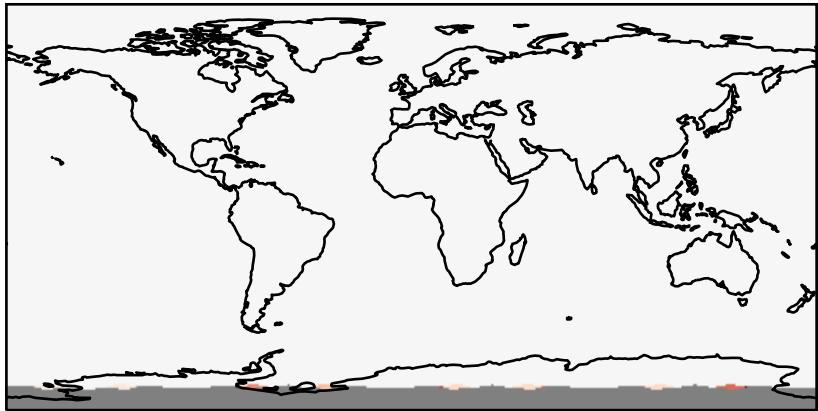
Difference (1x1.25)
Dev - Ref, Dynamic Range



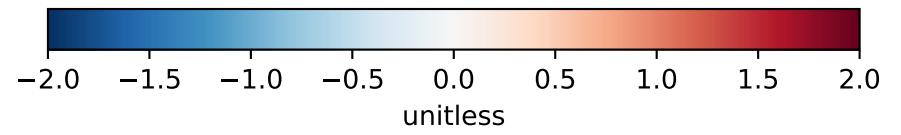
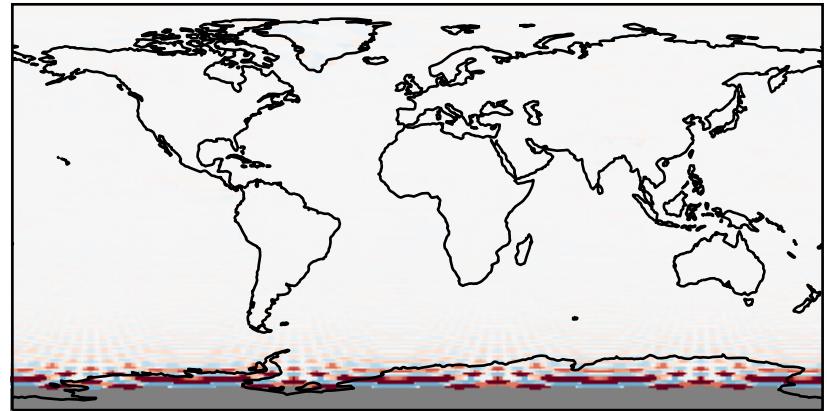
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

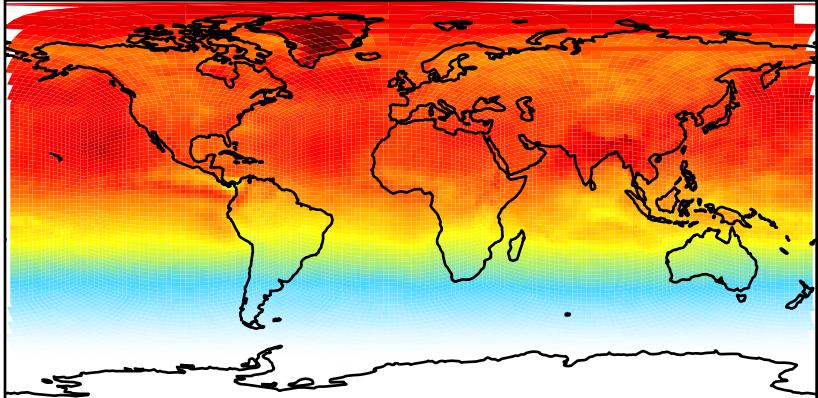


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



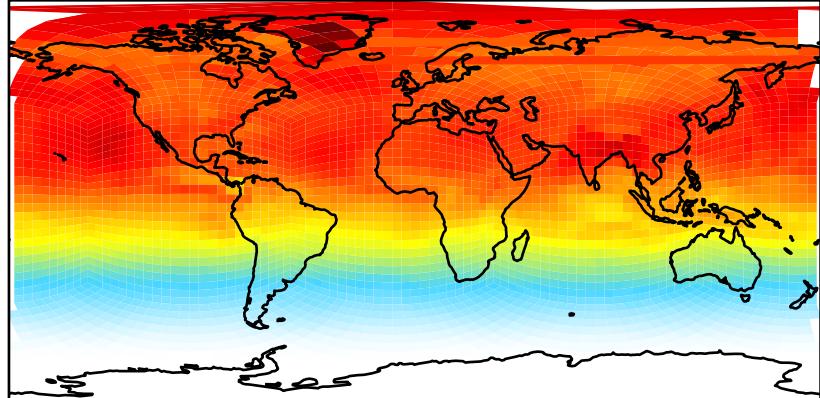
Jval_HAC

GCHP_12.4.0 (Ref)
c48



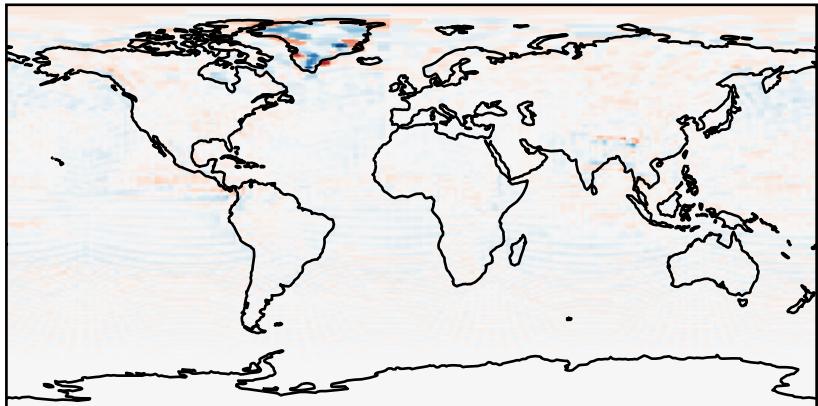
0.0000000 0.0000005 0.0000010 0.0000015
s⁻¹

GCHP_12.5.0_c24 (Dev)
c24



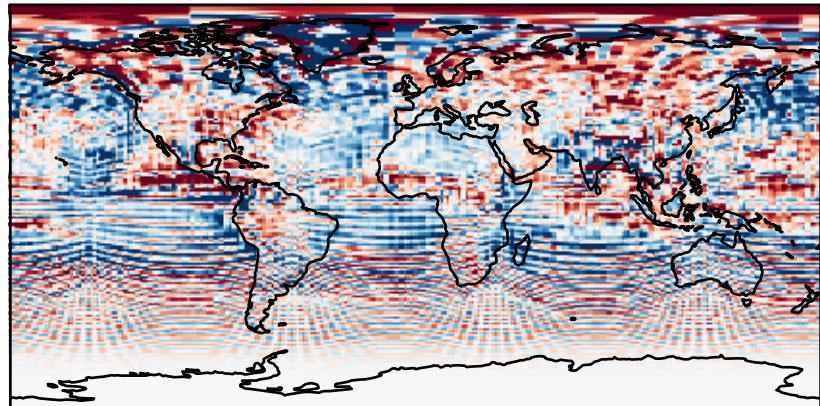
0.0000000 0.0000005 0.0000010 0.0000015
s⁻¹

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



-2 0 2 1e-7
s⁻¹

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



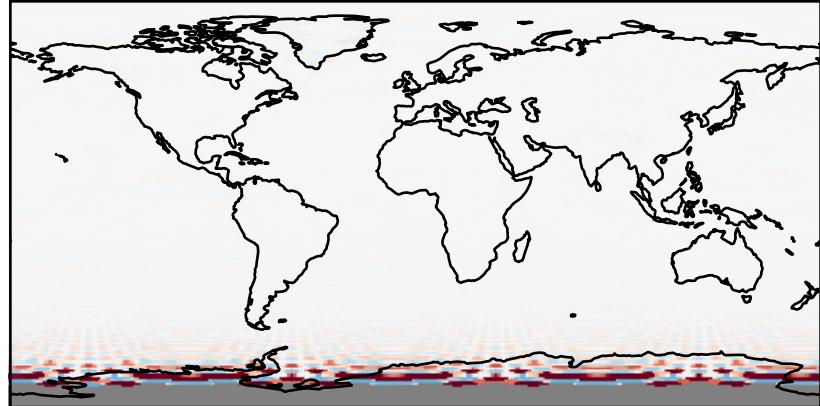
-1.5 0.0 1.5 1e-8
s⁻¹

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



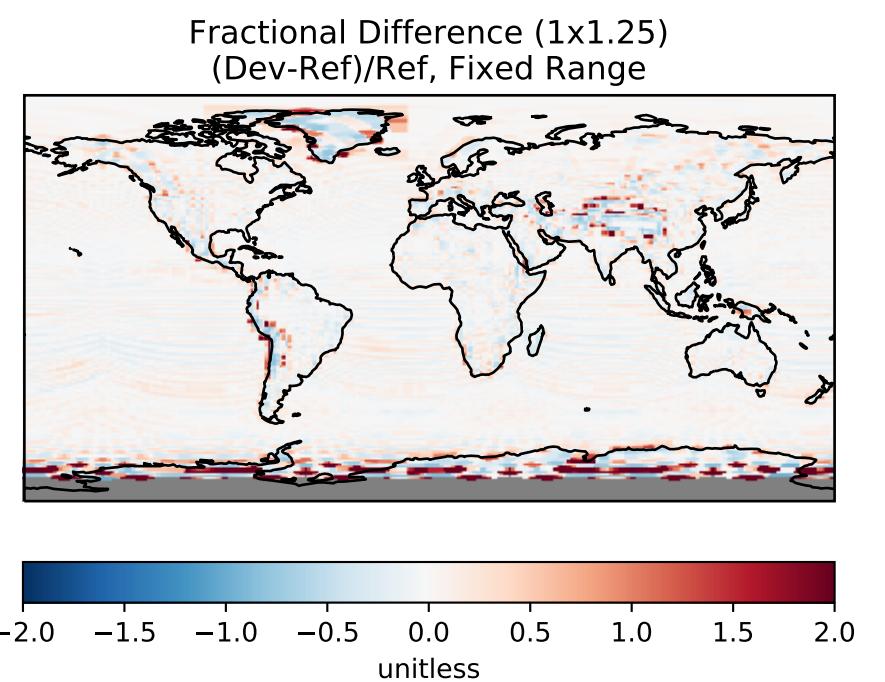
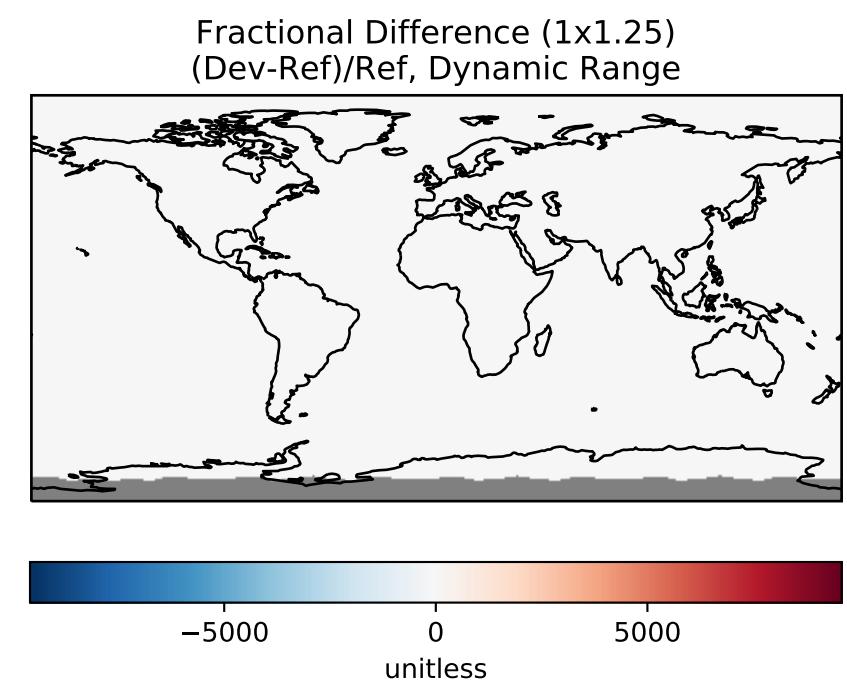
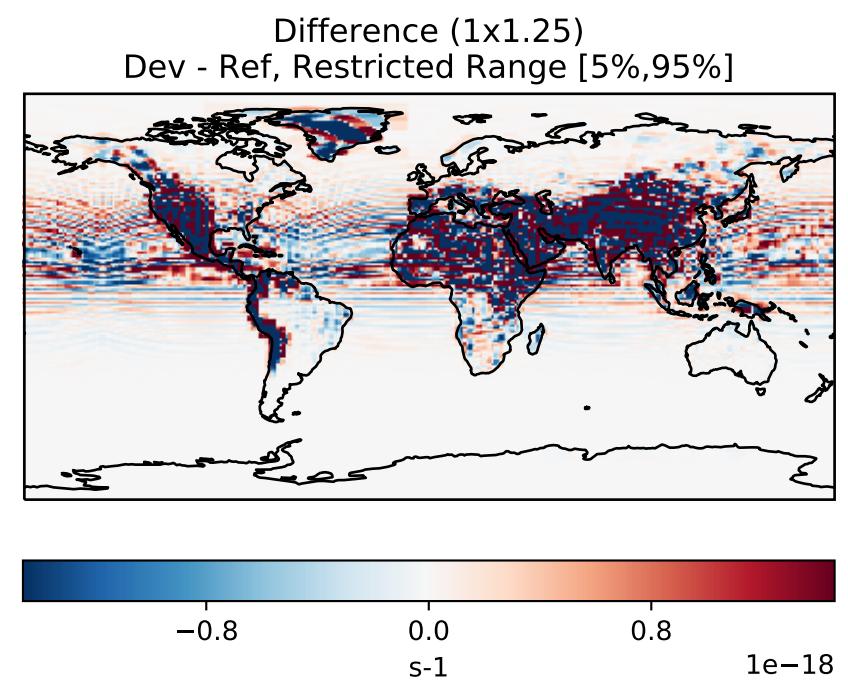
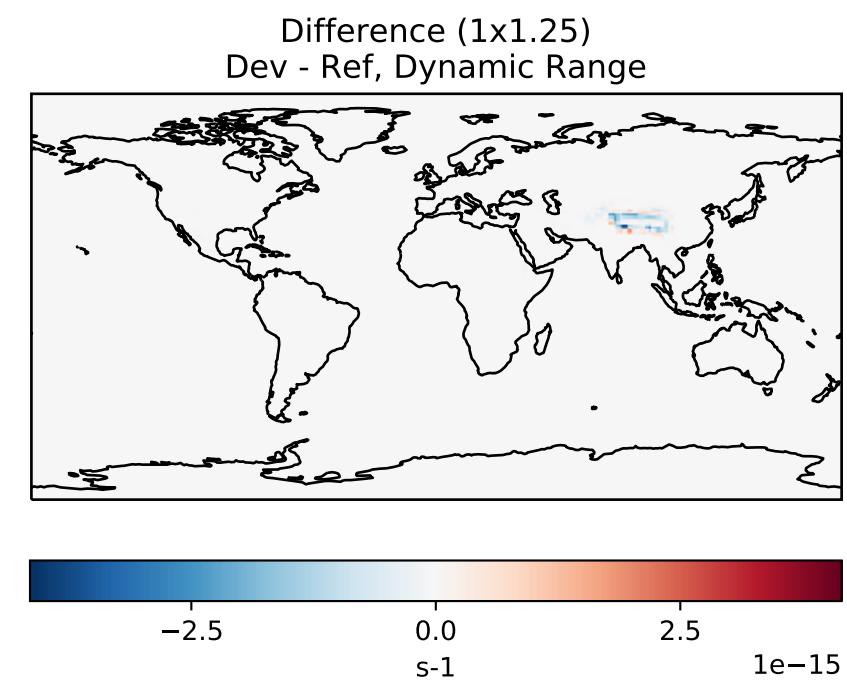
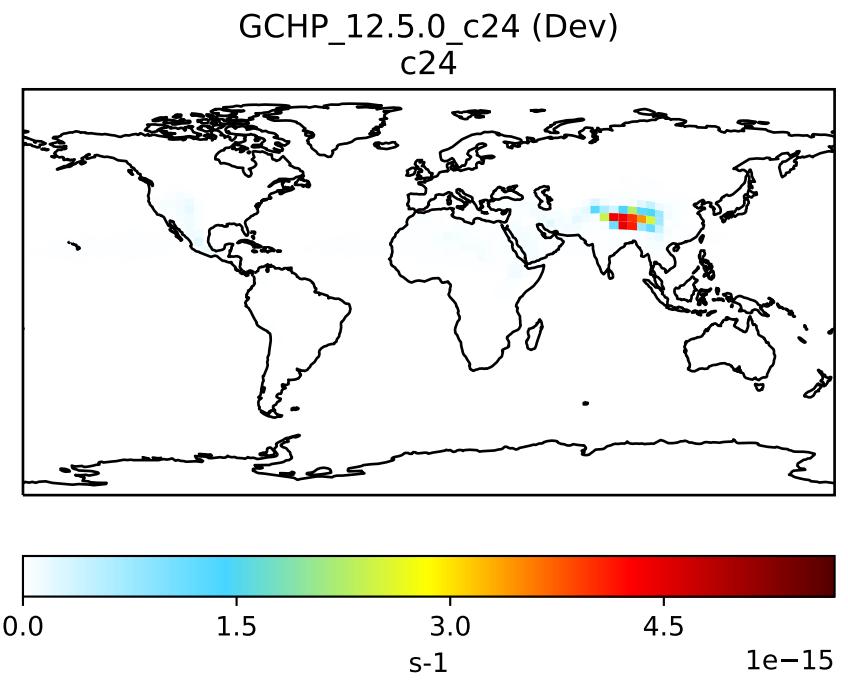
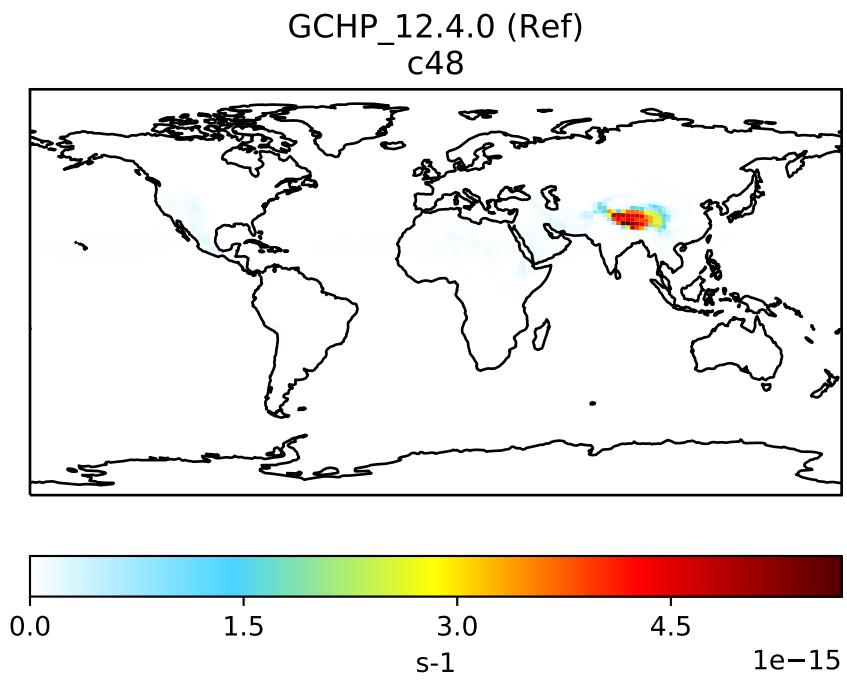
-1500 0 1500
unitless

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

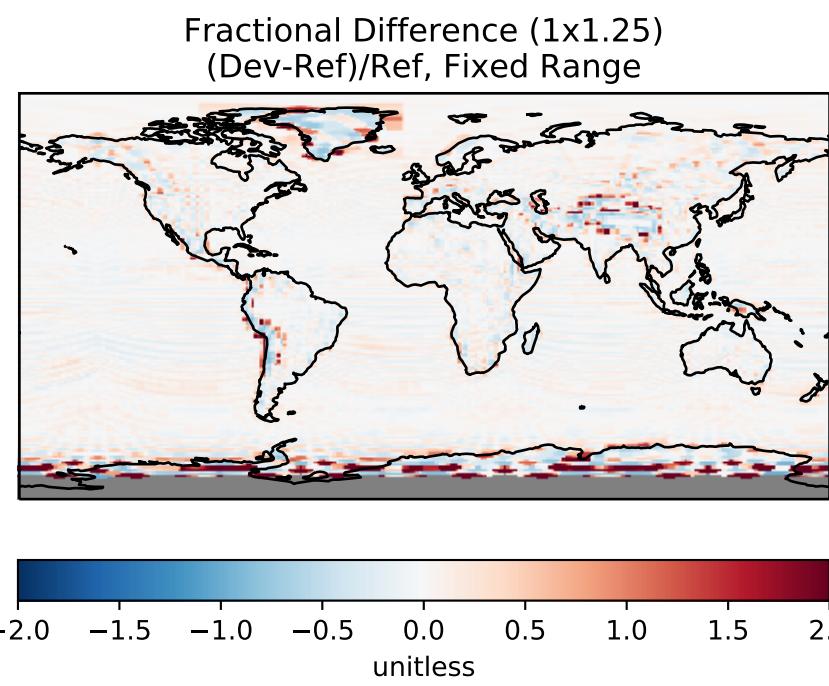
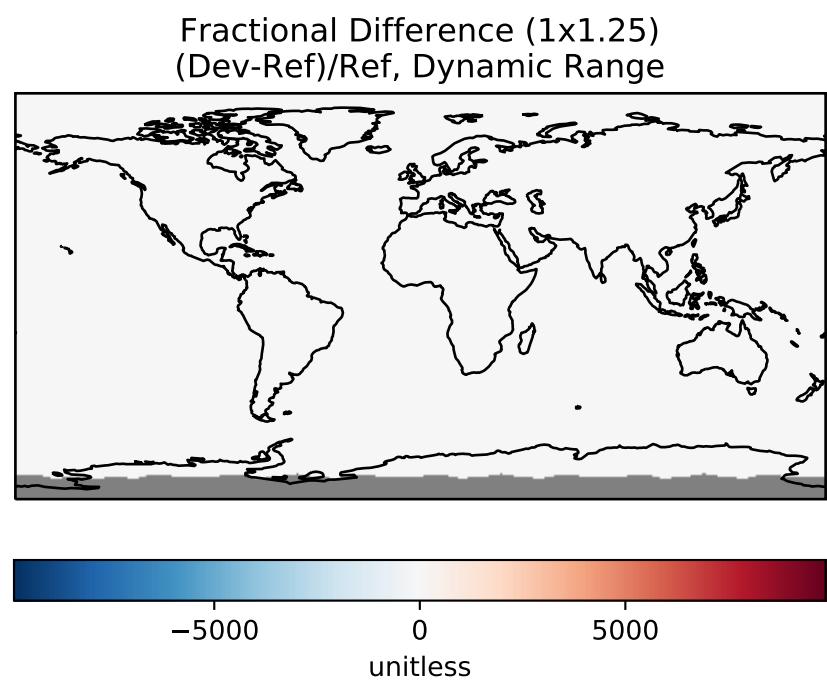
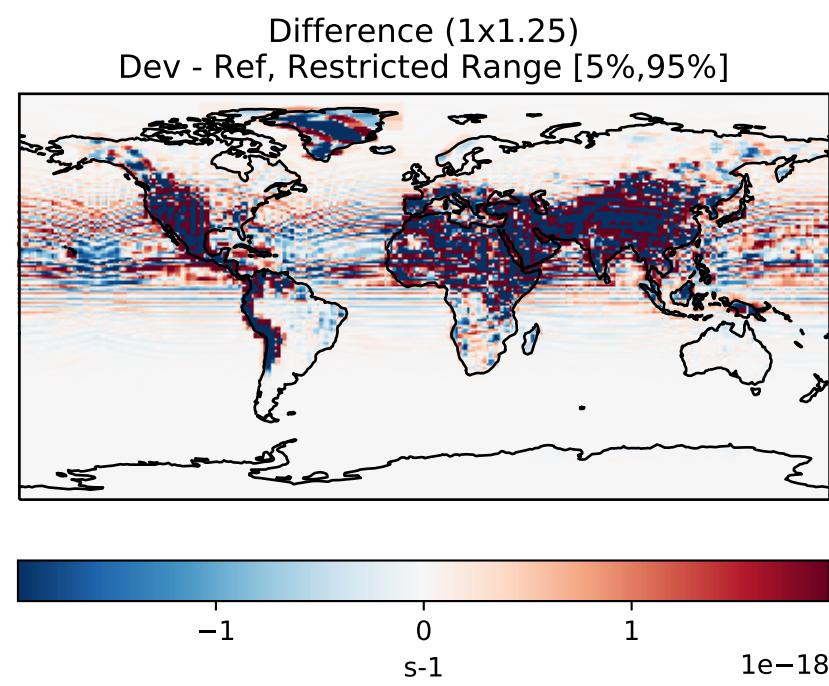
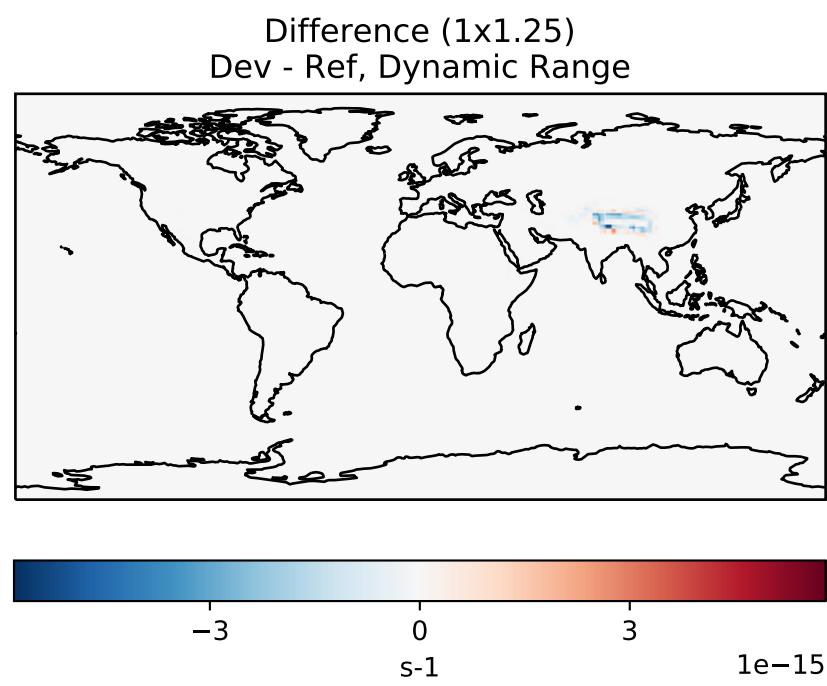
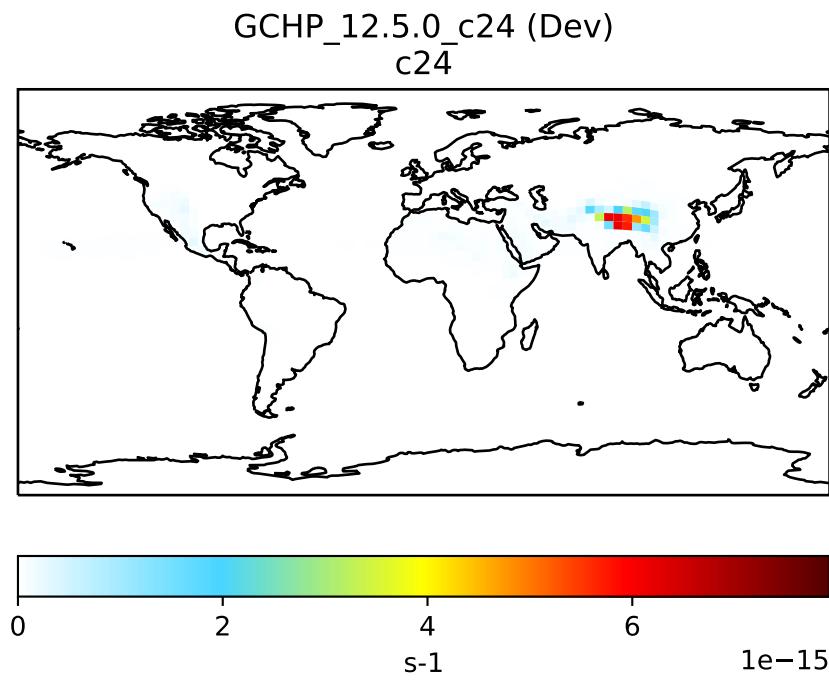
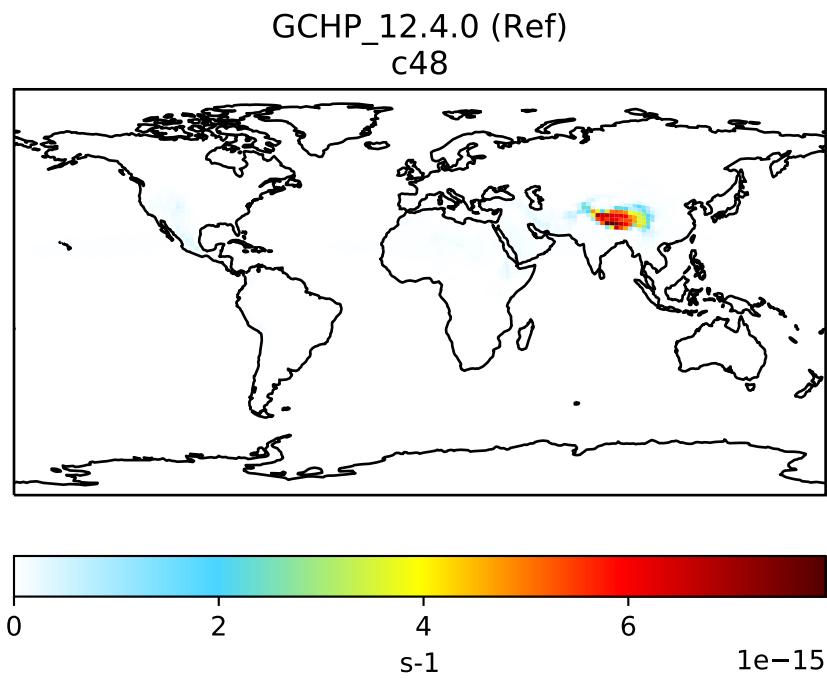


-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0
unitless

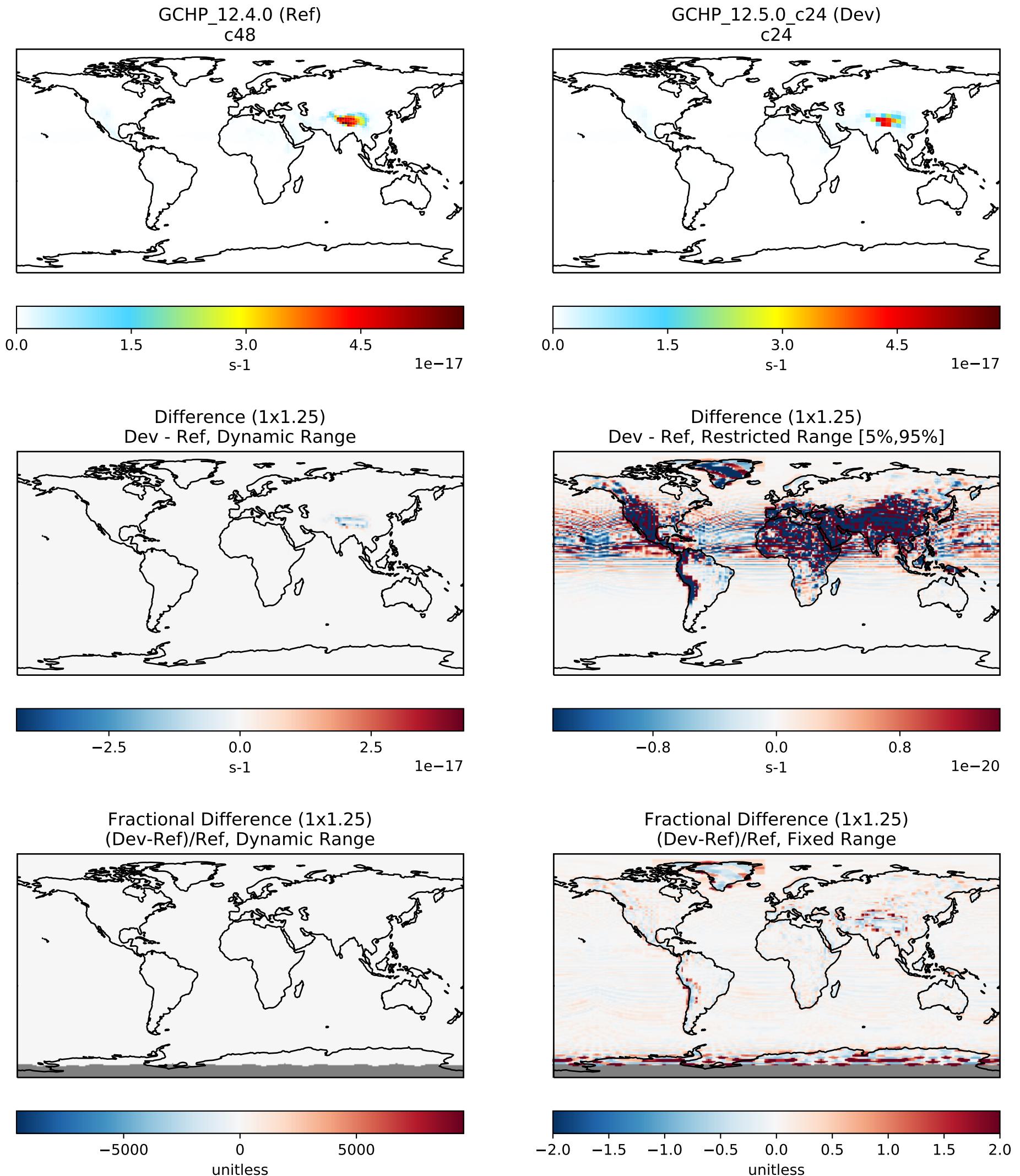
Jval_HCFC123



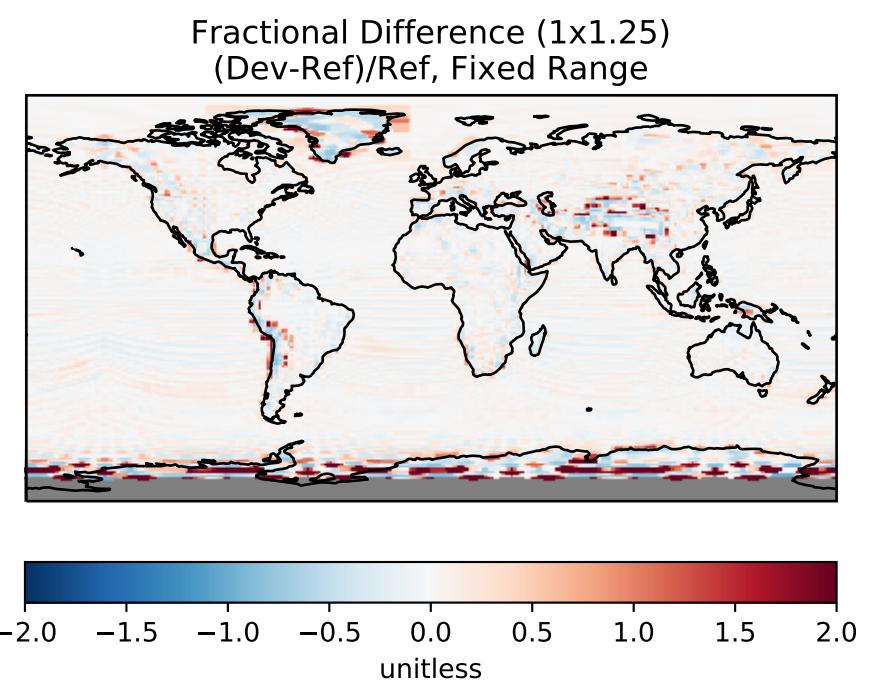
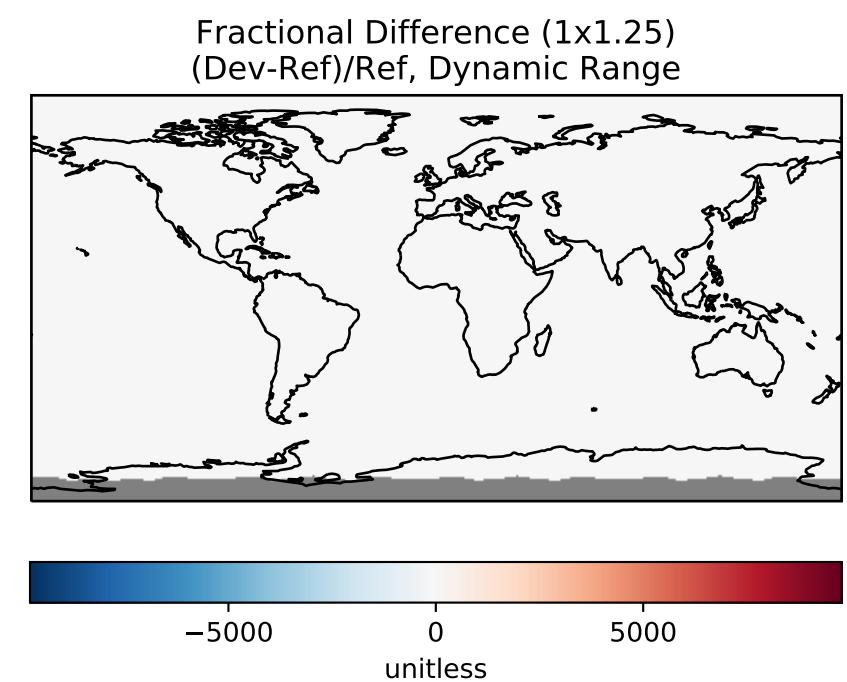
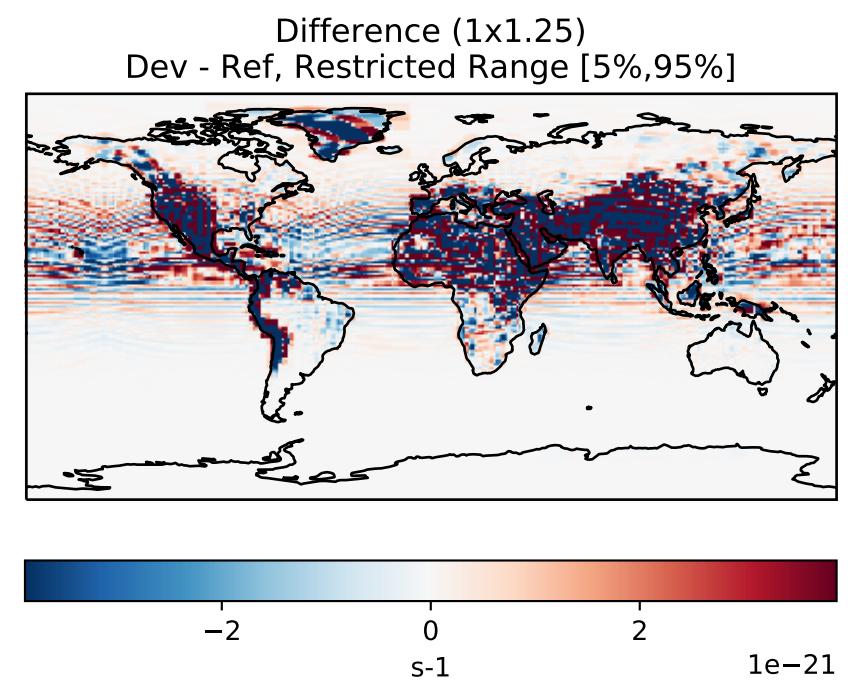
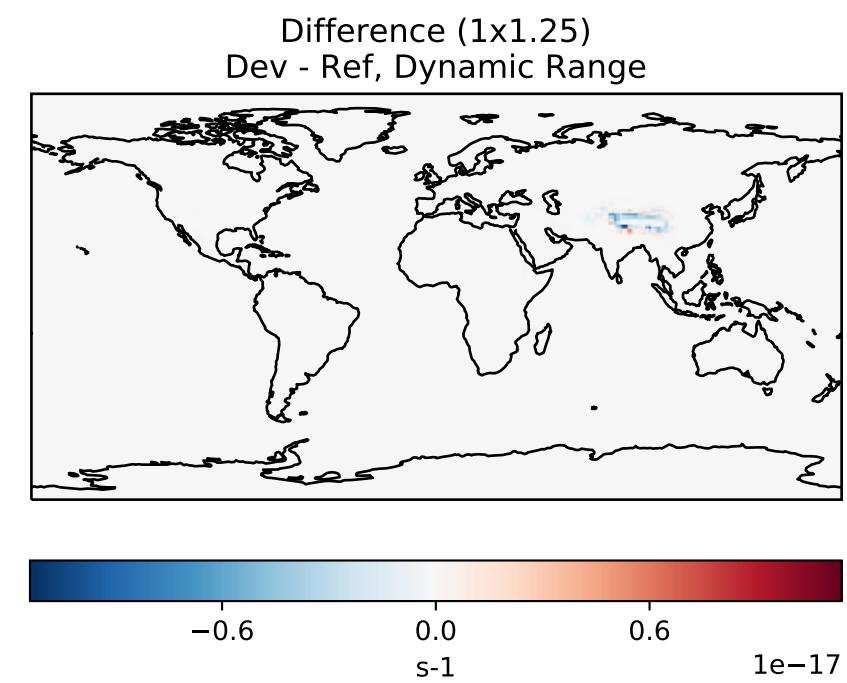
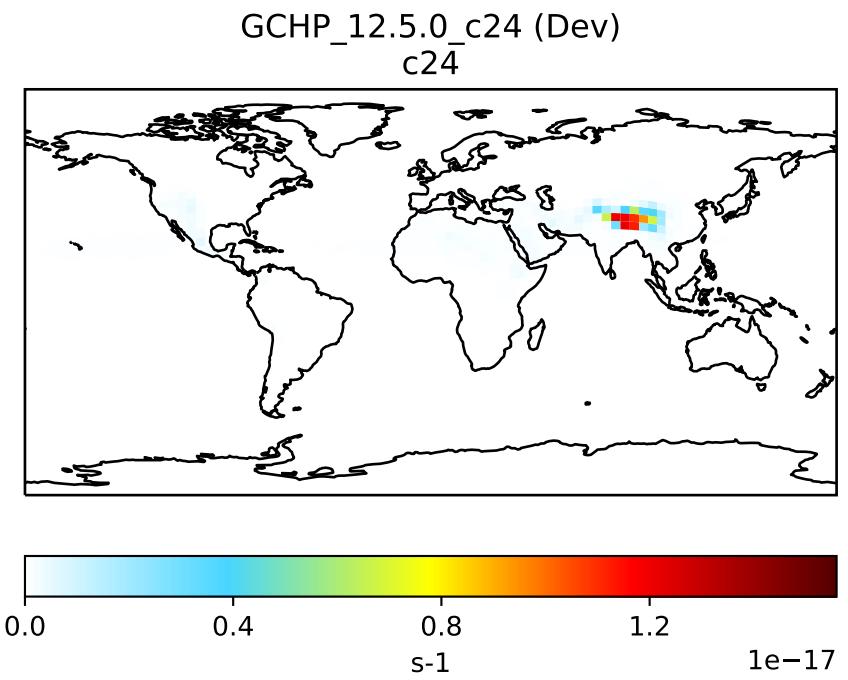
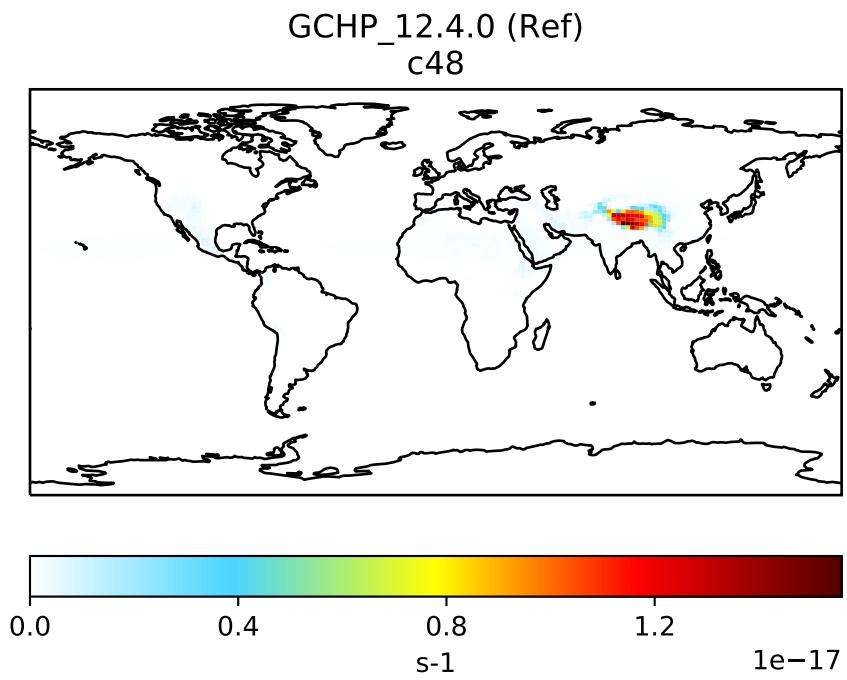
Jval_HCFC141B



Jval_HCFC142B

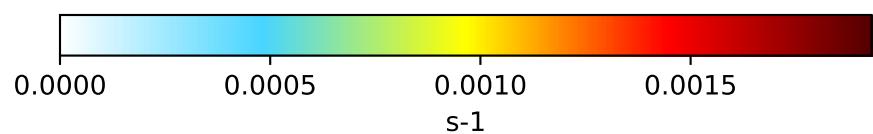
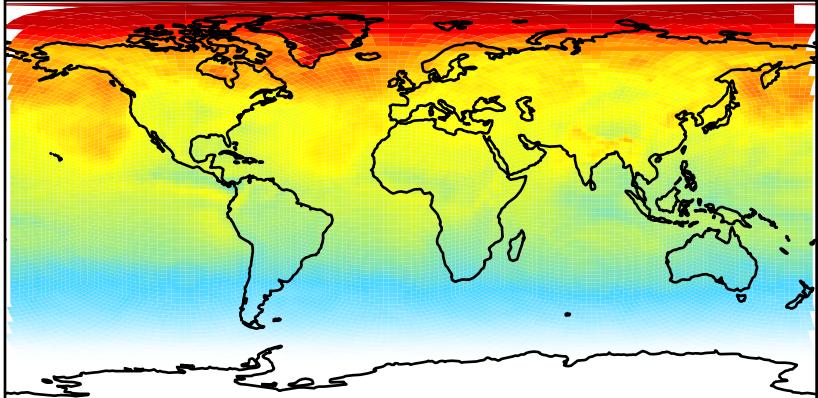


Jval_HCFC22

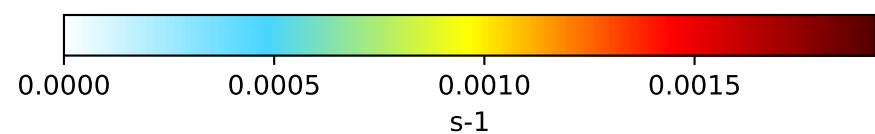
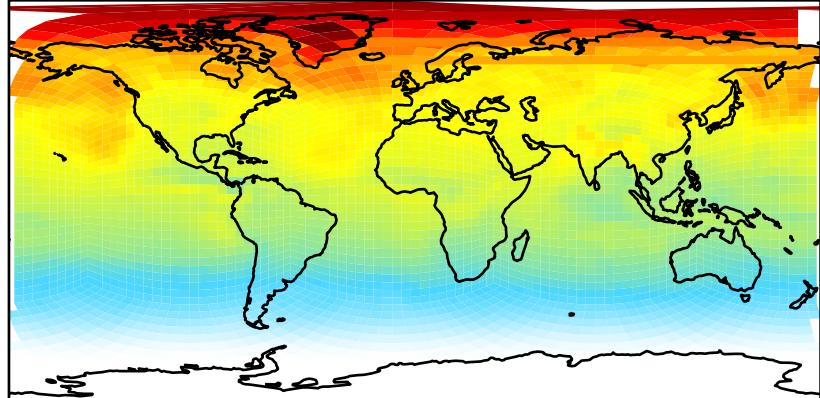


Jval_HNO2

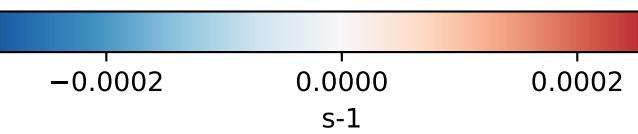
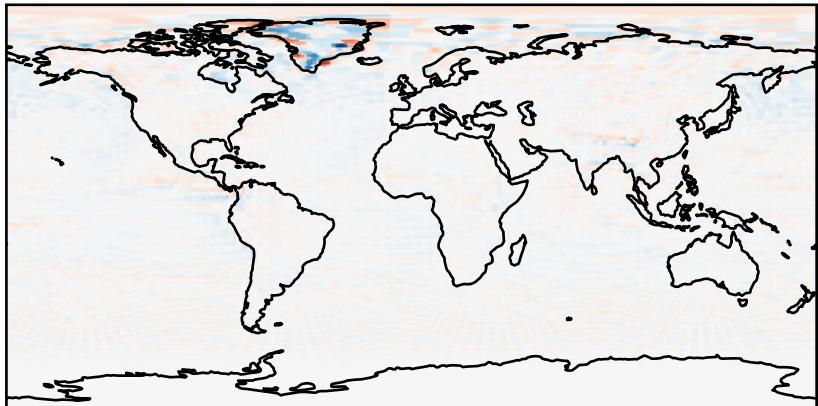
GCHP_12.4.0 (Ref)
c48



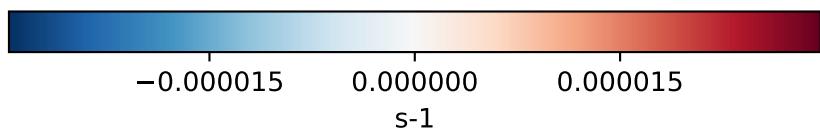
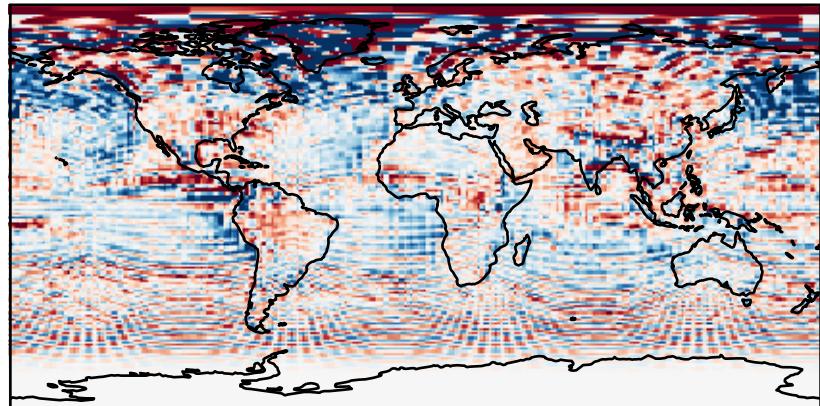
GCHP_12.5.0_c24 (Dev)
c24



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



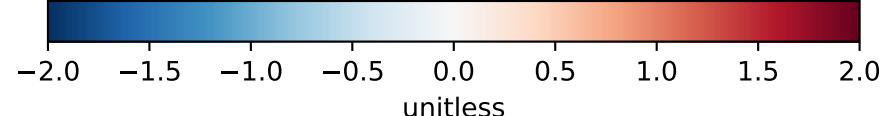
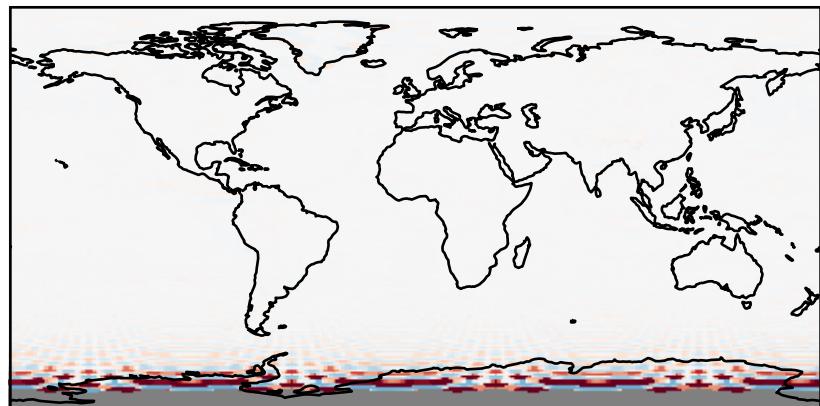
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

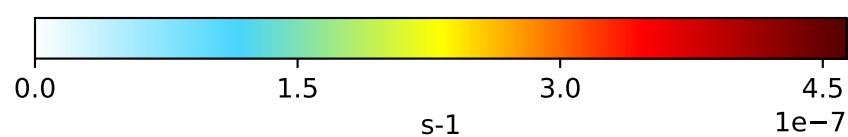
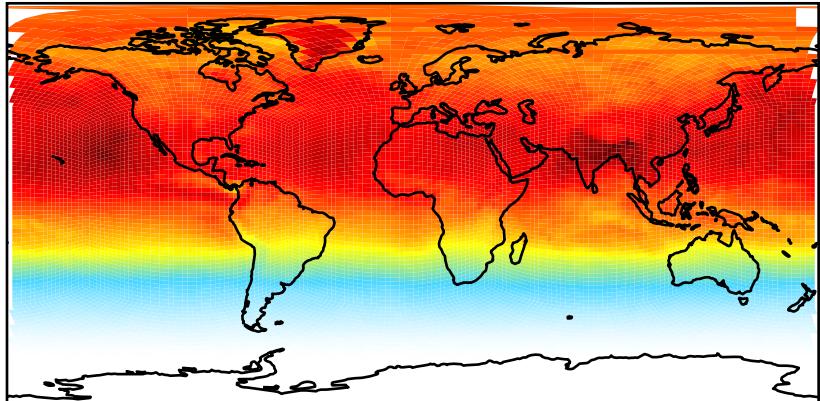


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

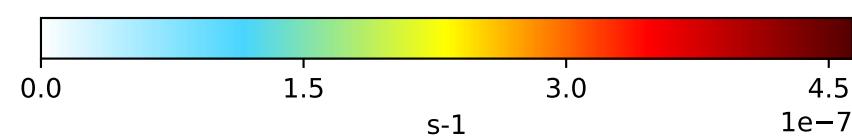
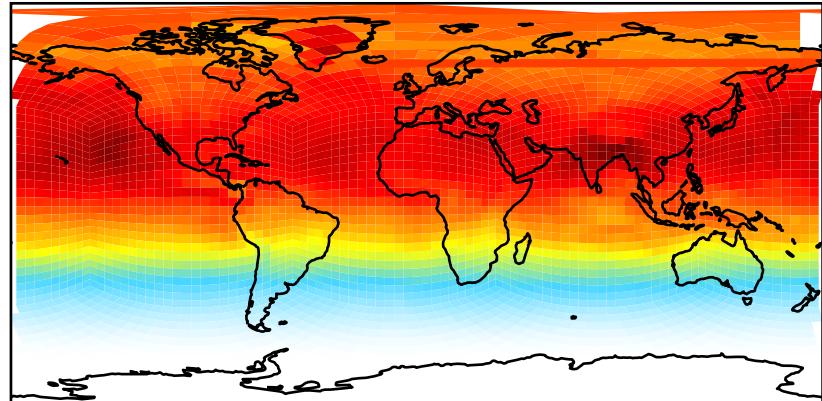


Jval_HNO3

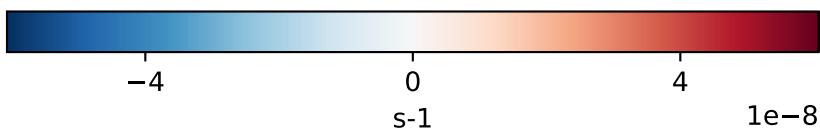
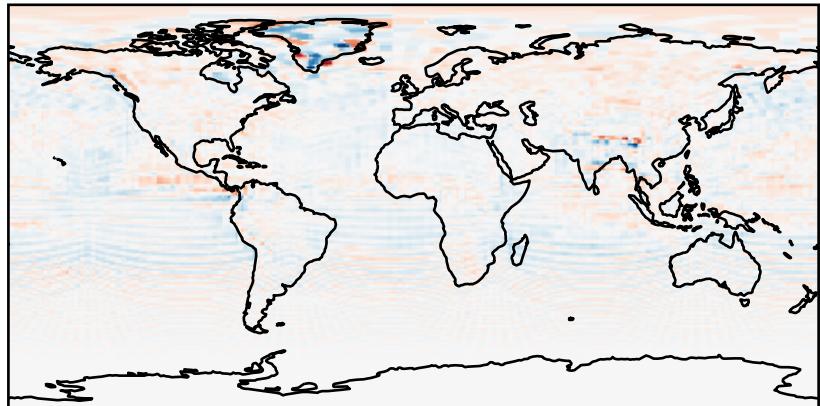
GCHP_12.4.0 (Ref)
c48



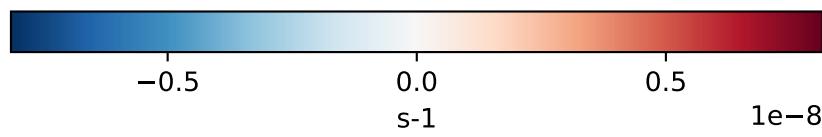
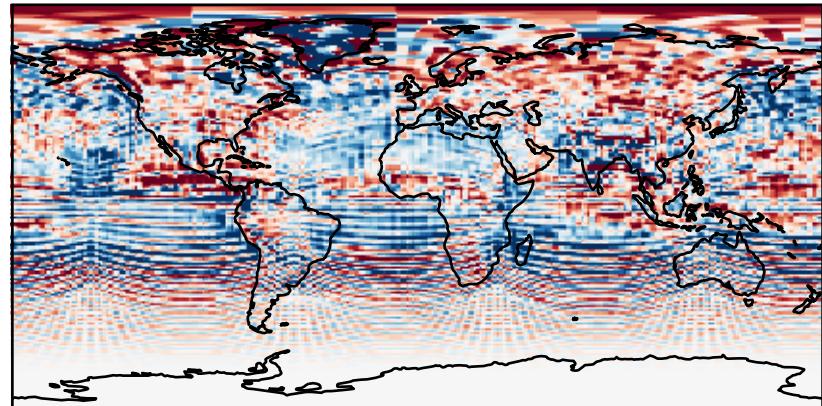
GCHP_12.5.0_c24 (Dev)
c24



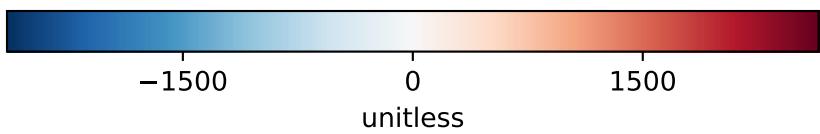
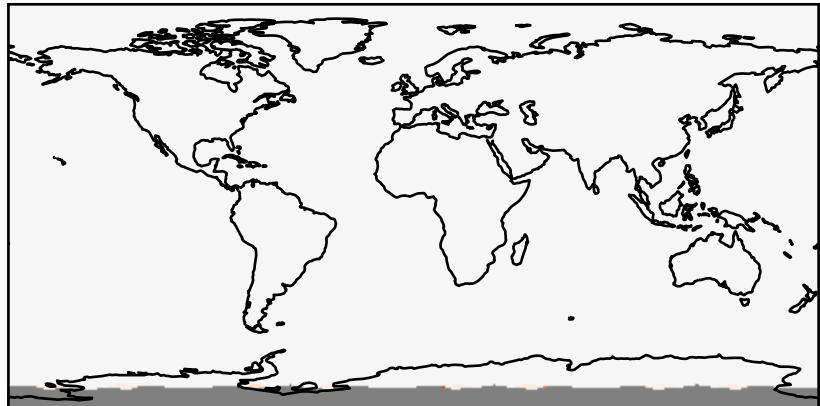
Difference (1x1.25)
Dev - Ref, Dynamic Range



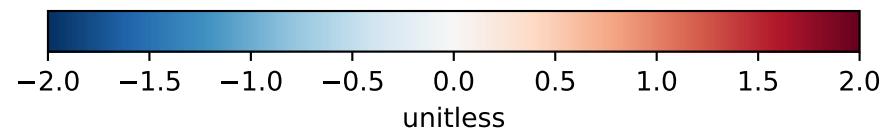
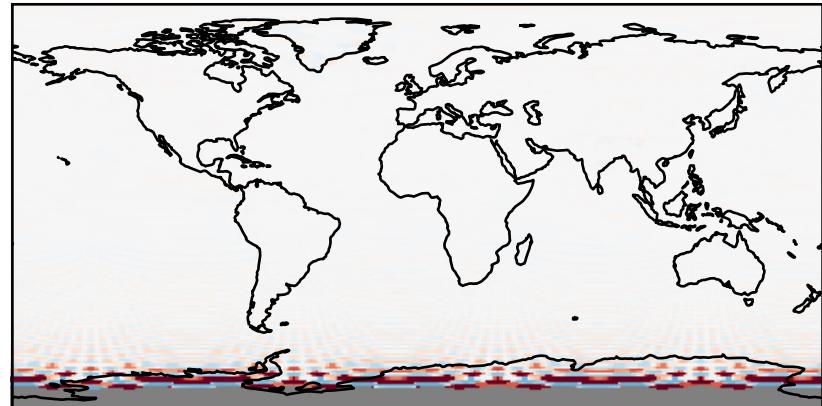
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



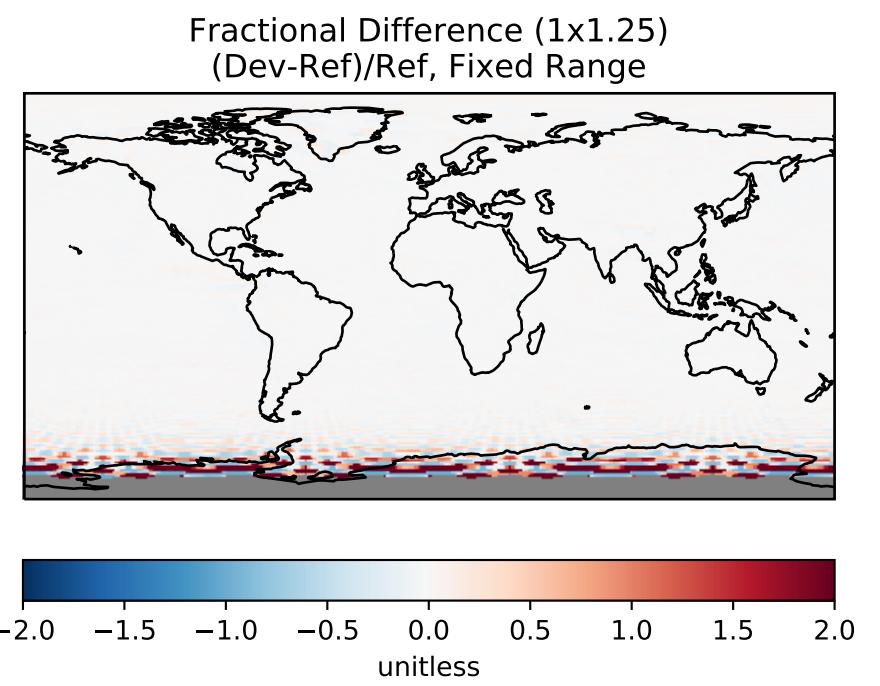
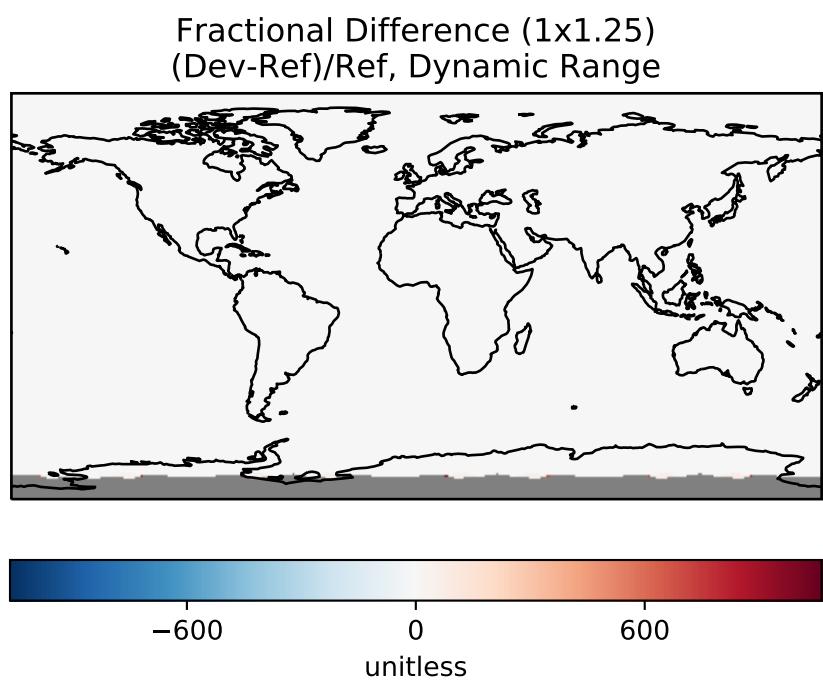
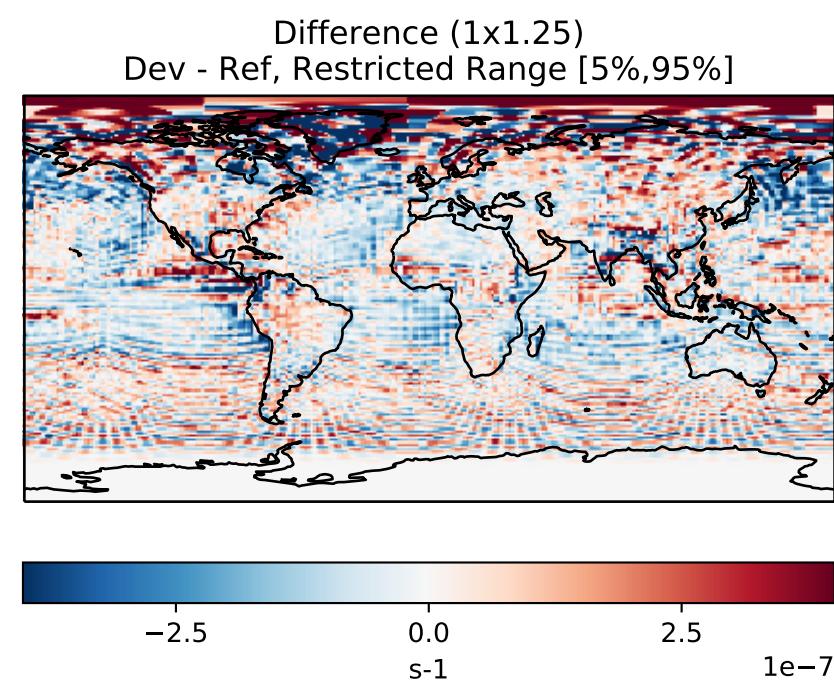
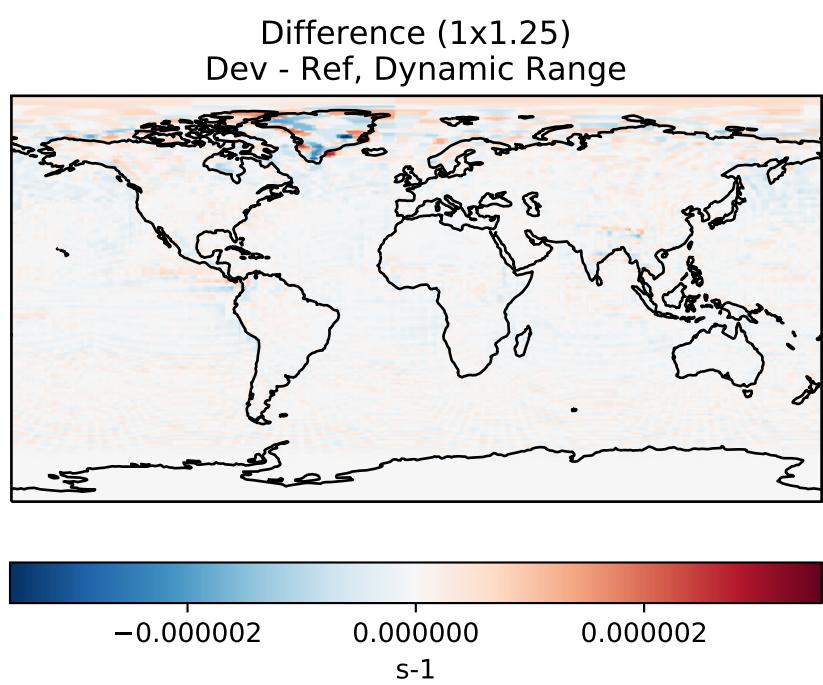
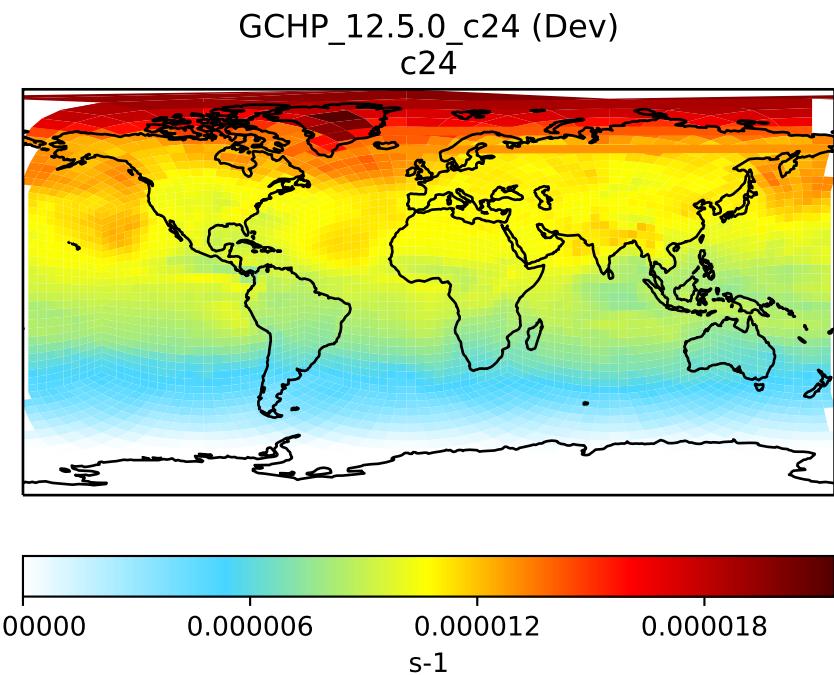
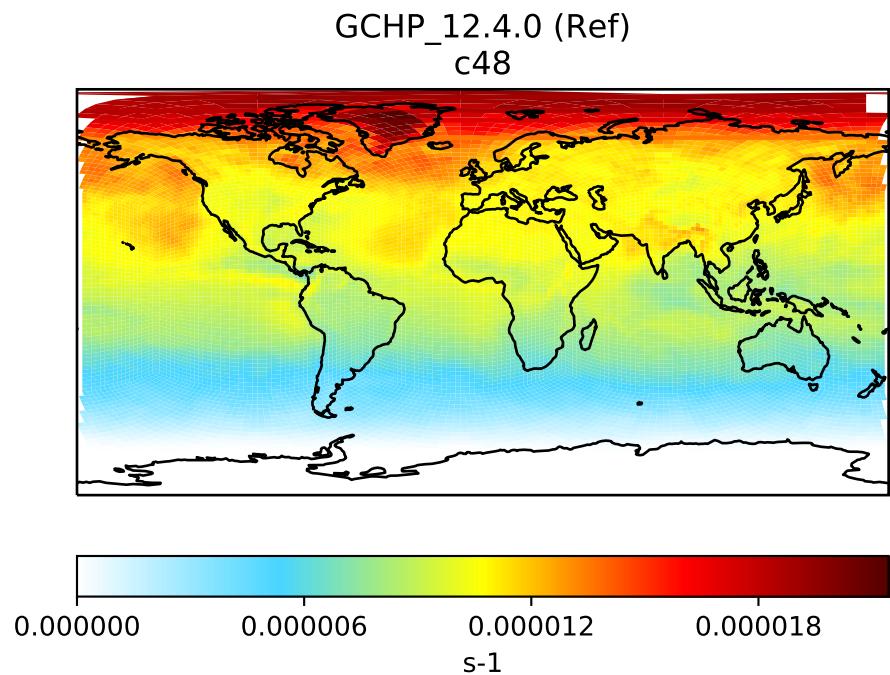
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



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

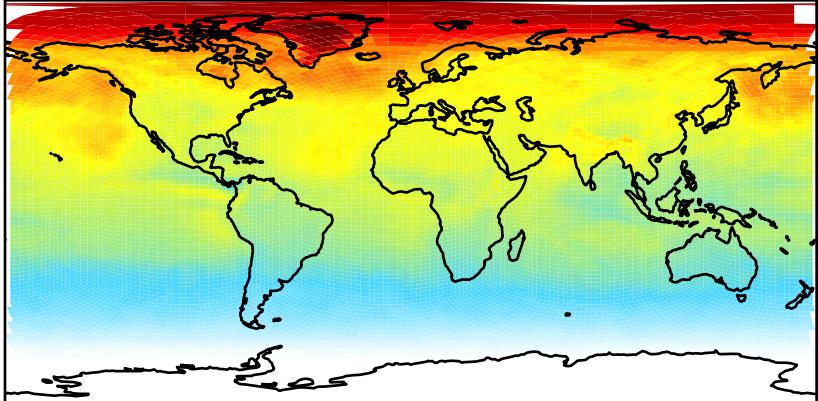


Jval_HNO4

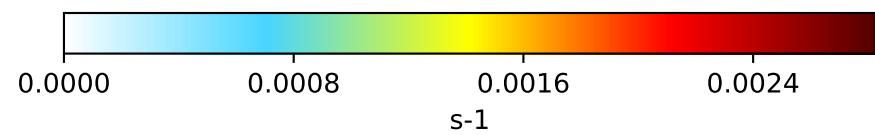
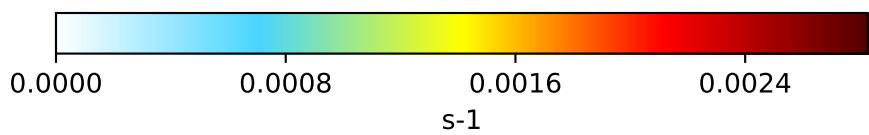
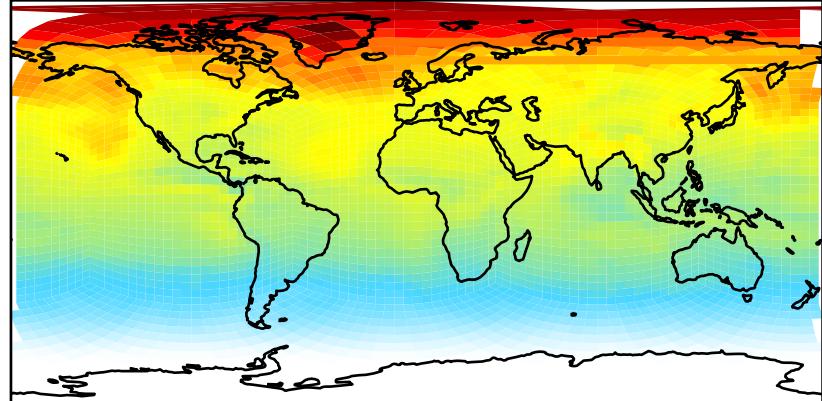


Jval_HOBr

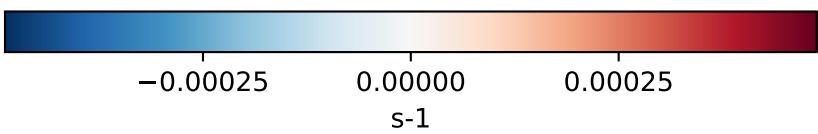
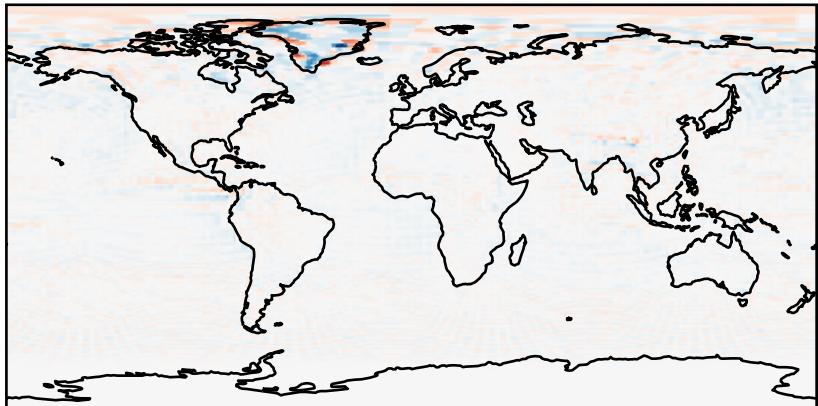
GCHP_12.4.0 (Ref)
c48



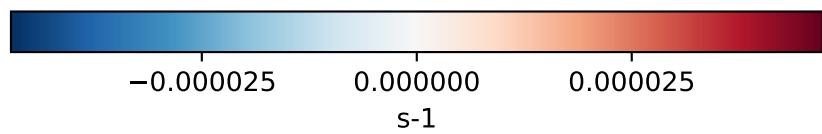
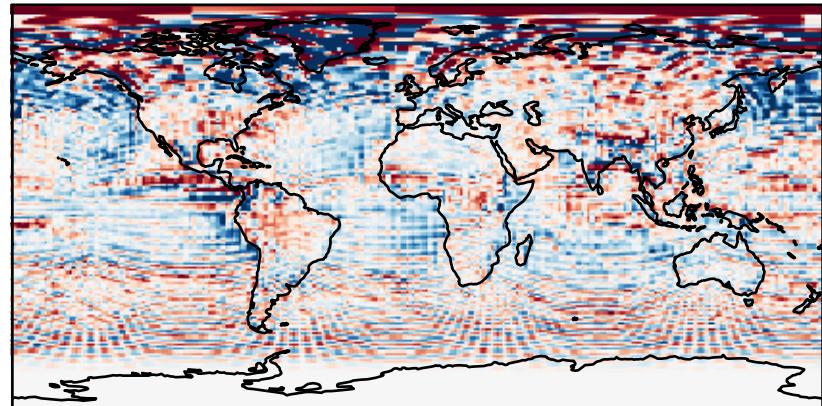
GCHP_12.5.0_c24 (Dev)
c24



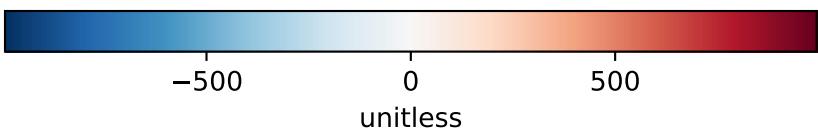
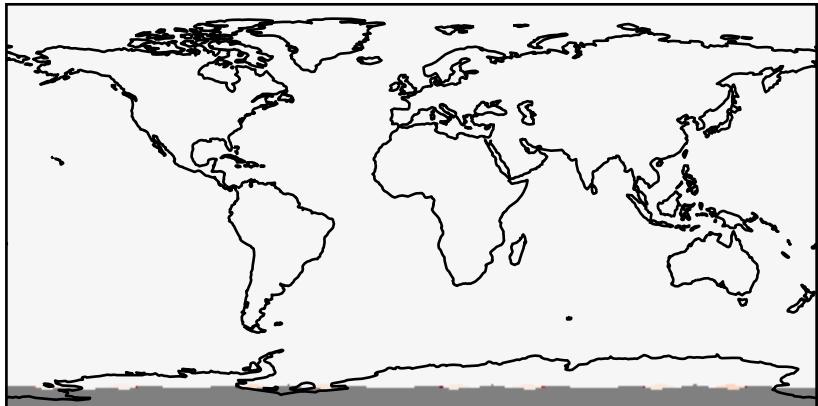
Difference (1x1.25)
Dev - Ref, Dynamic Range



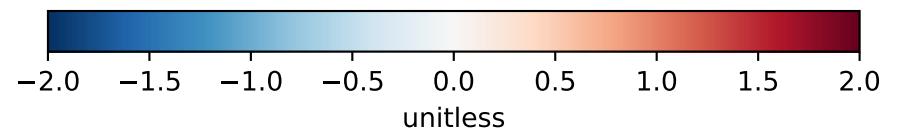
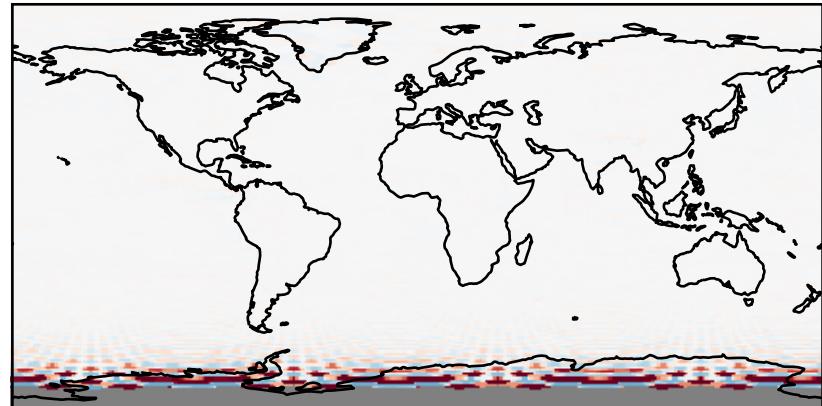
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



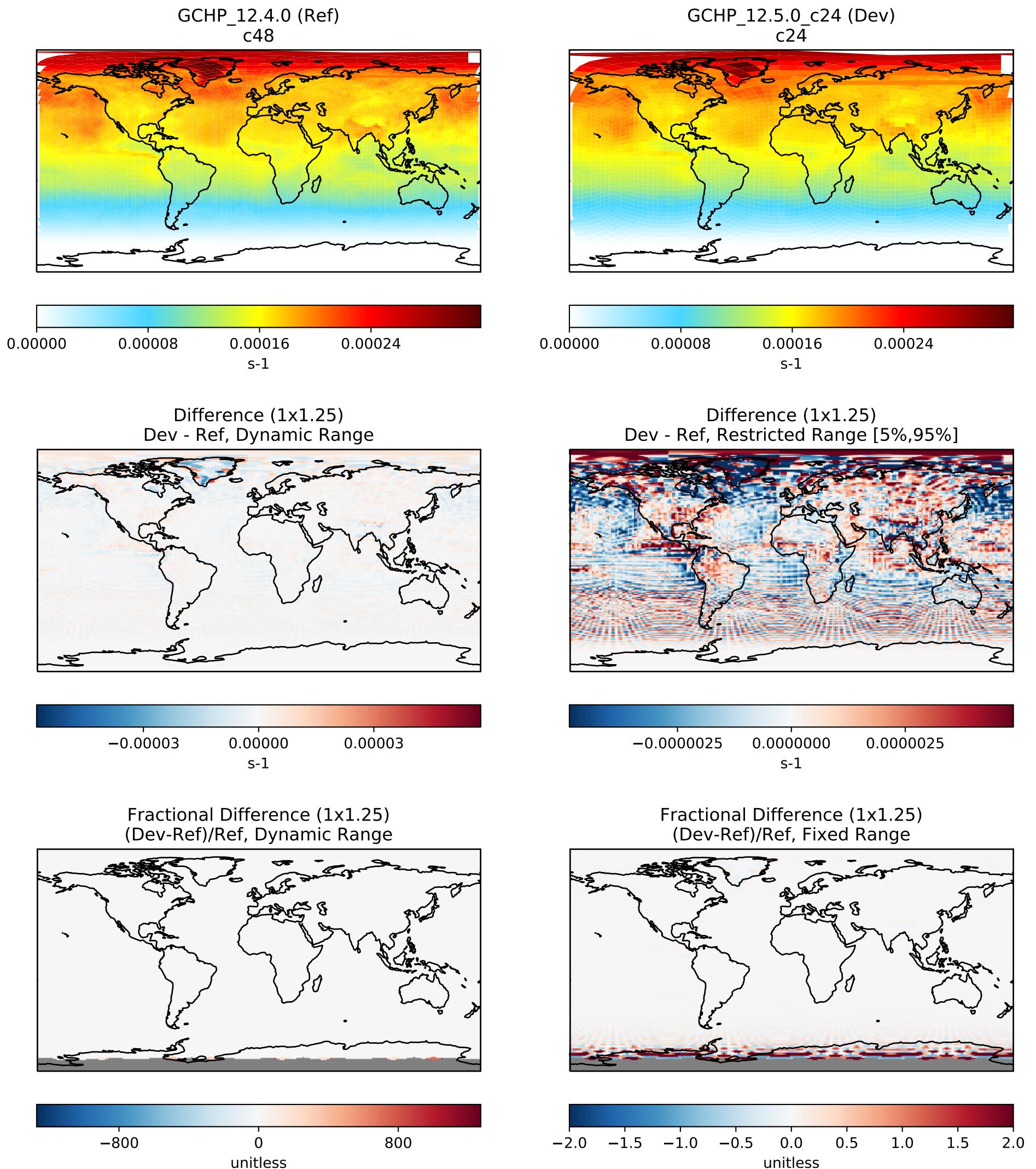
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



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

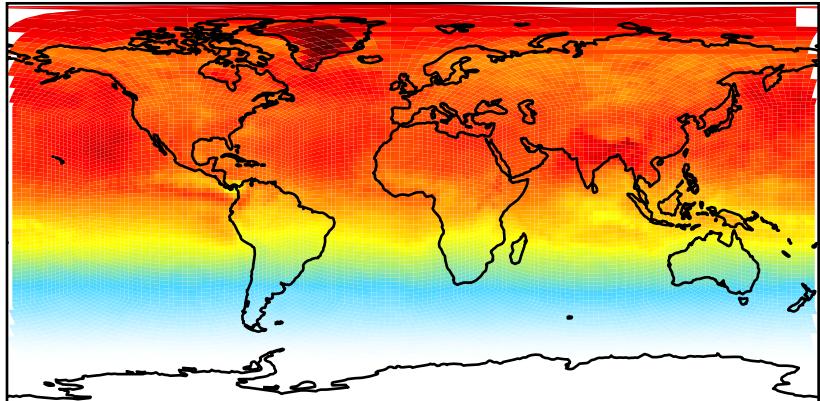


Jval_HOCl

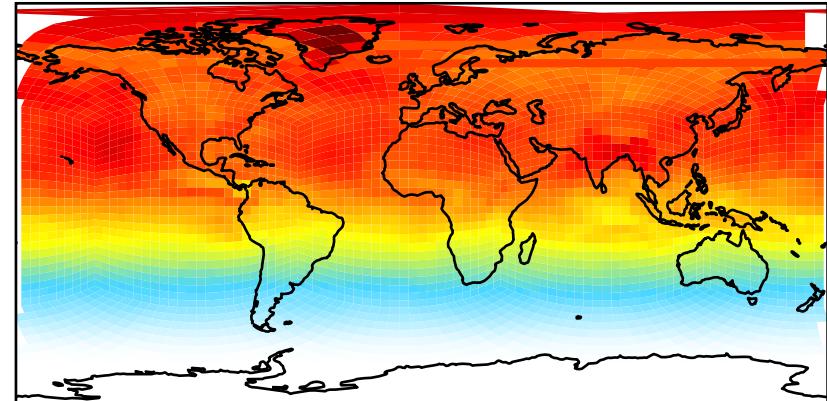


Jval_HONIT

GCHP_12.4.0 (Ref)
c48



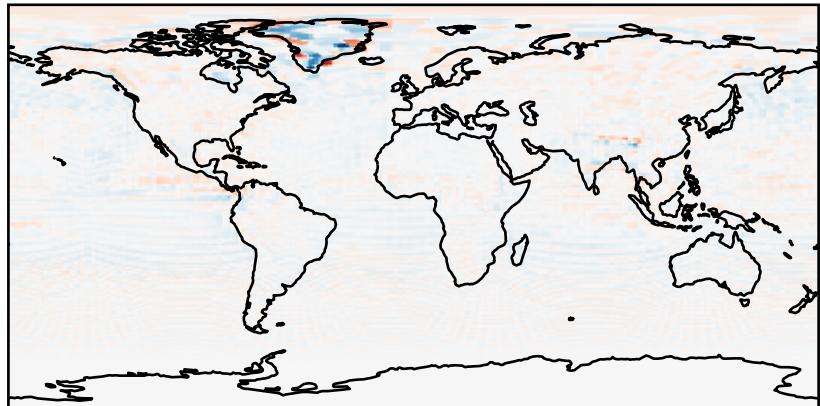
GCHP_12.5.0_c24 (Dev)
c24



0.0000000 0.0000006 0.0000012 0.0000018
s-1

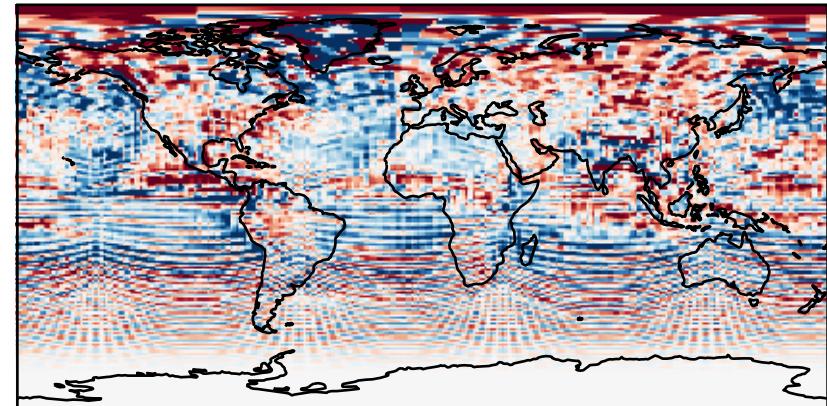
0.0000000 0.0000006 0.0000012 0.0000018
s-1

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



-2 0 2 1e-7
s-1

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



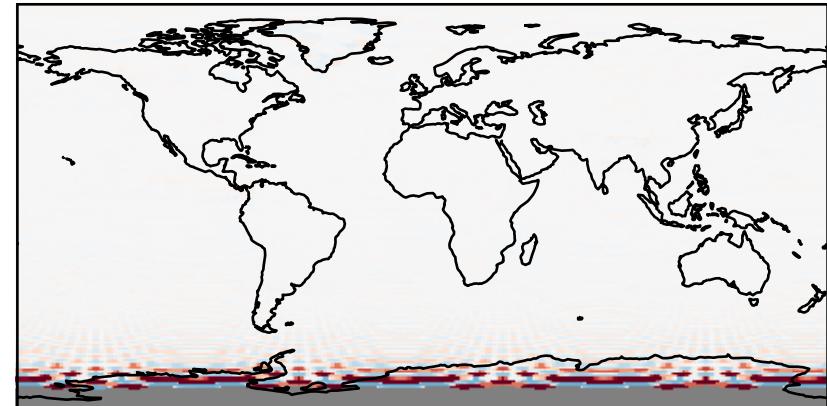
-2 0 2 1e-8
s-1

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



-1500 0 1500
unitless

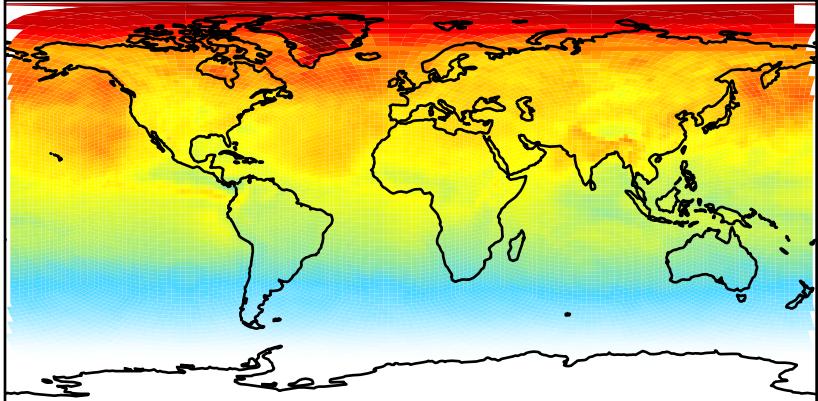
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



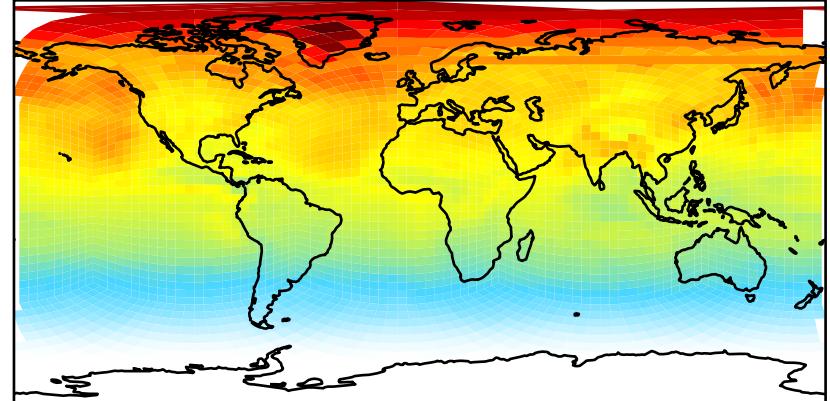
-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0
unitless

Jval_HPALD

GCHP_12.4.0 (Ref)
c48



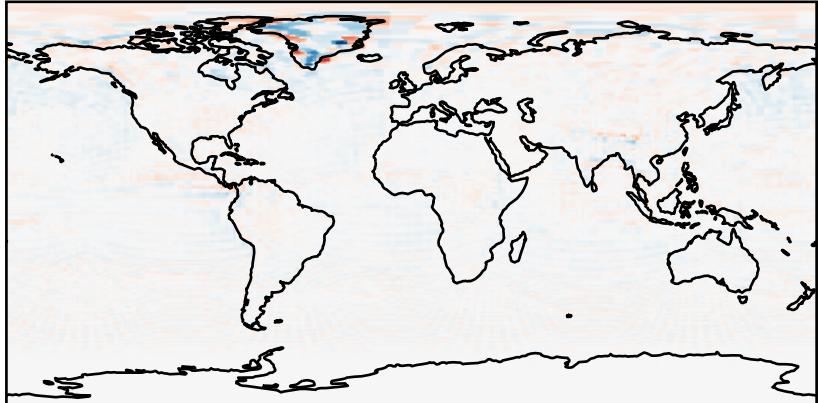
GCHP_12.5.0_c24 (Dev)
c24



0.0000000 0.0000005 0.0000010 0.0000015
s⁻¹

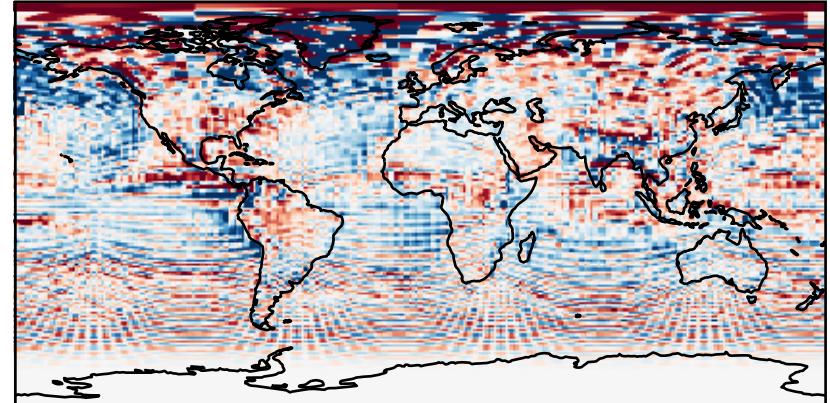
0.0000000 0.0000005 0.0000010 0.0000015
s⁻¹

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



-2 0 2 1e-7
s⁻¹

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



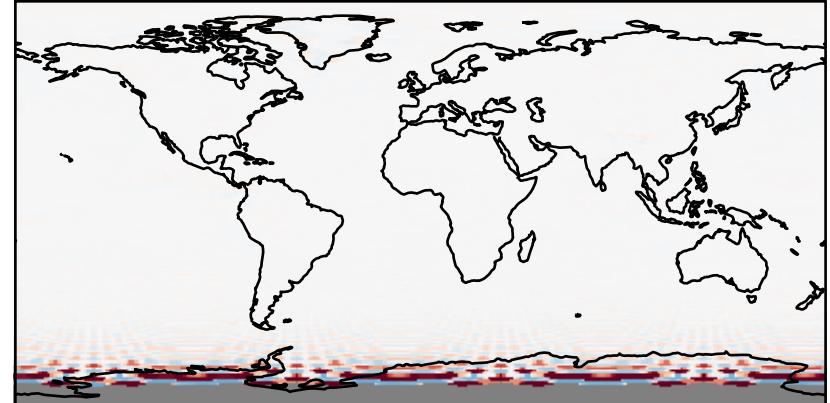
-1.5 0.0 1.5 1e-8
s⁻¹

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



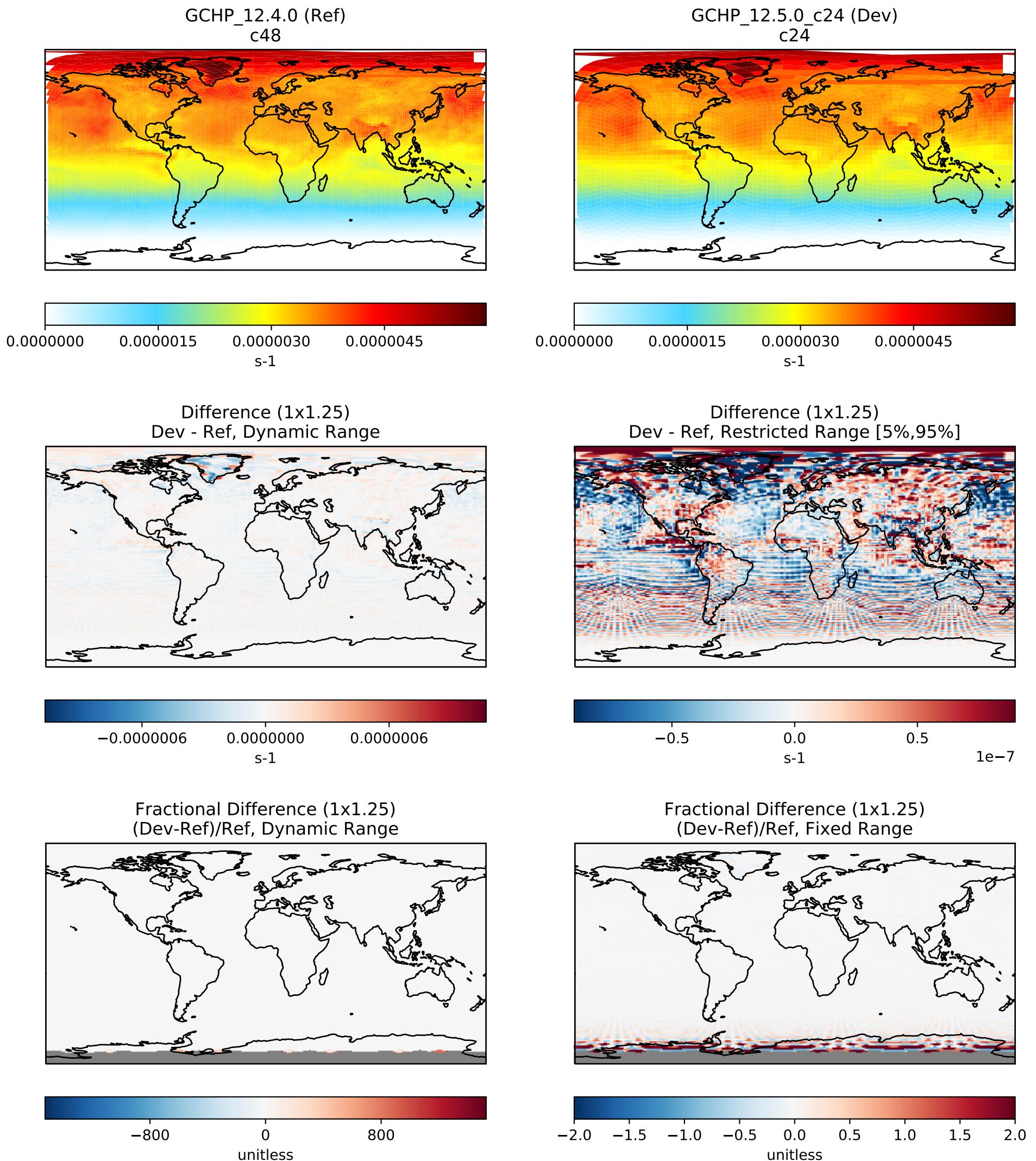
-800 0 800 unitless

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

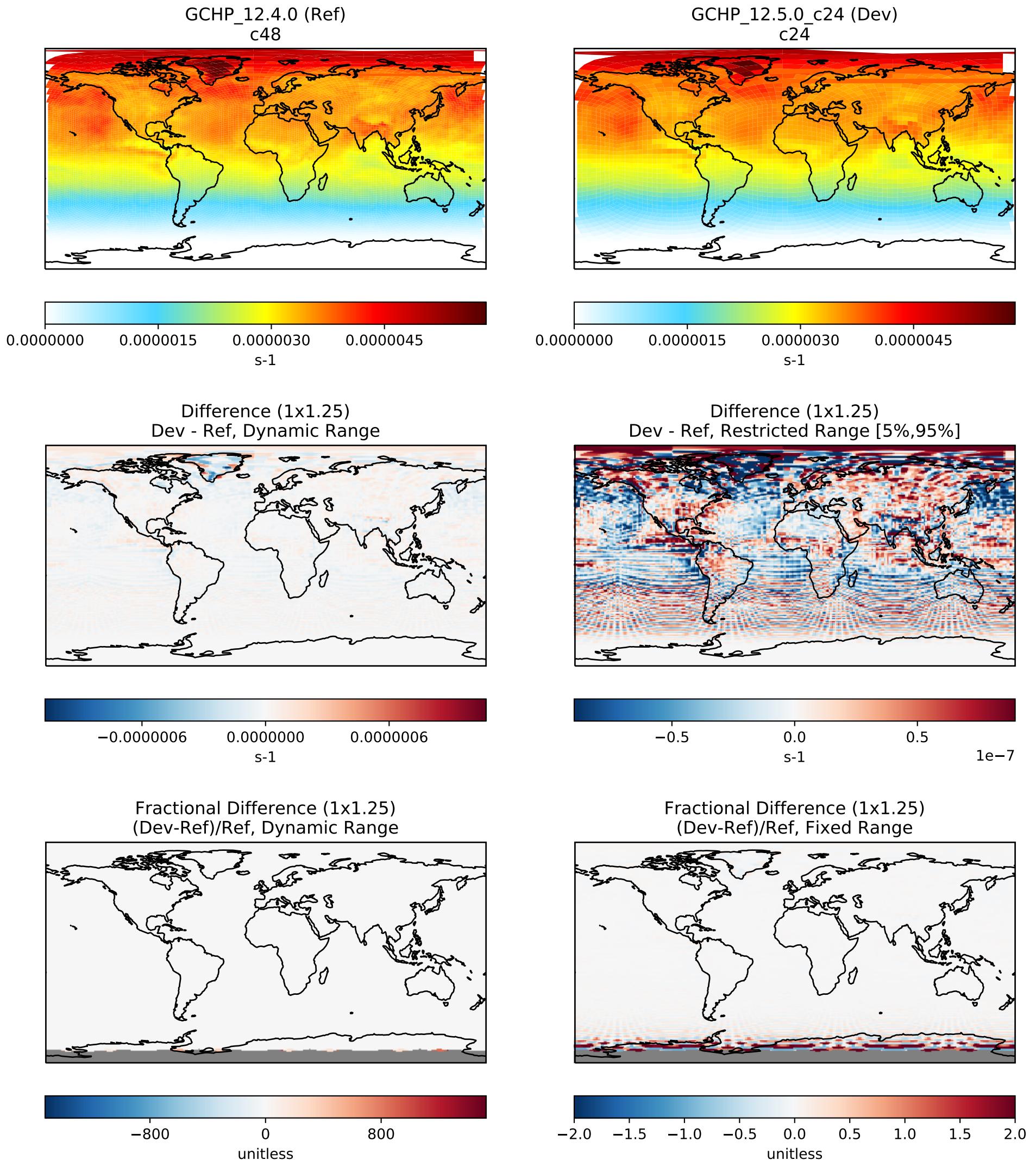


-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0
unitless

Jval_IAP

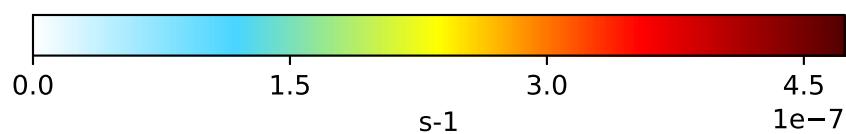
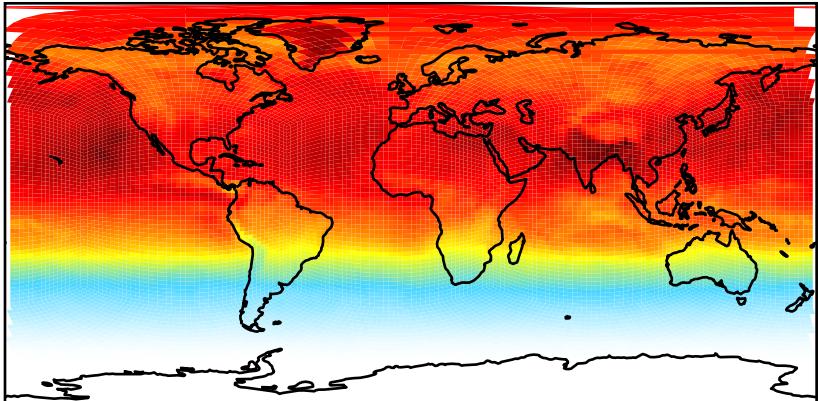


Jval_INPN

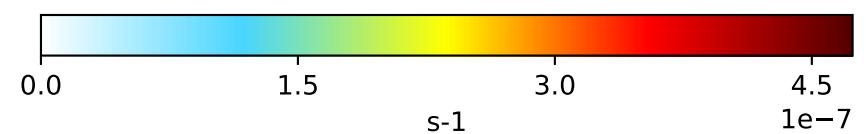
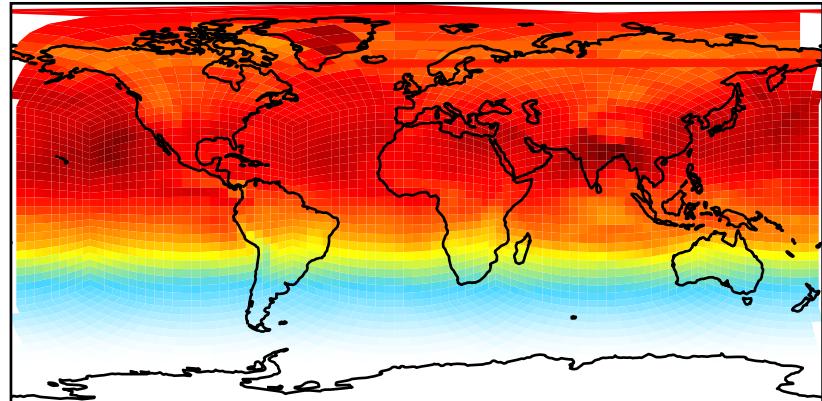


Jval_IPMN

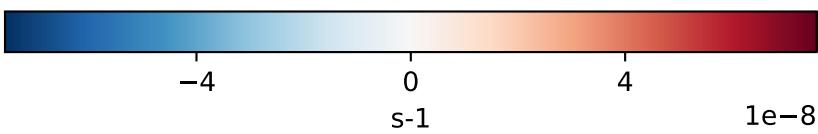
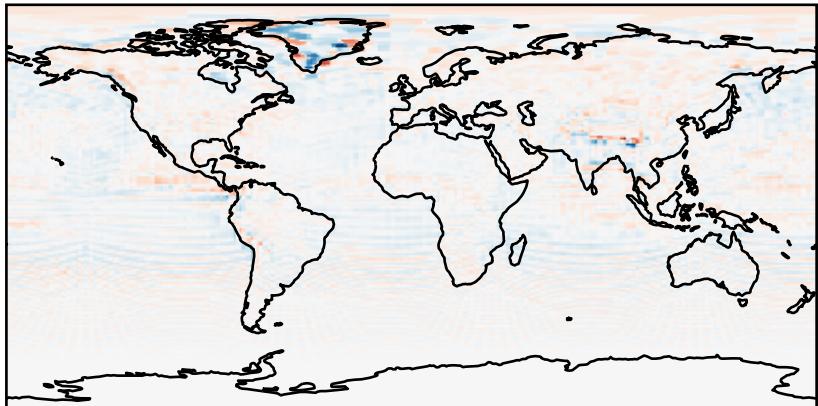
GCHP_12.4.0 (Ref)
c48



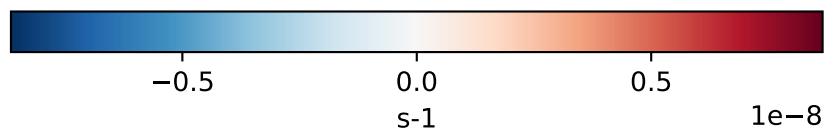
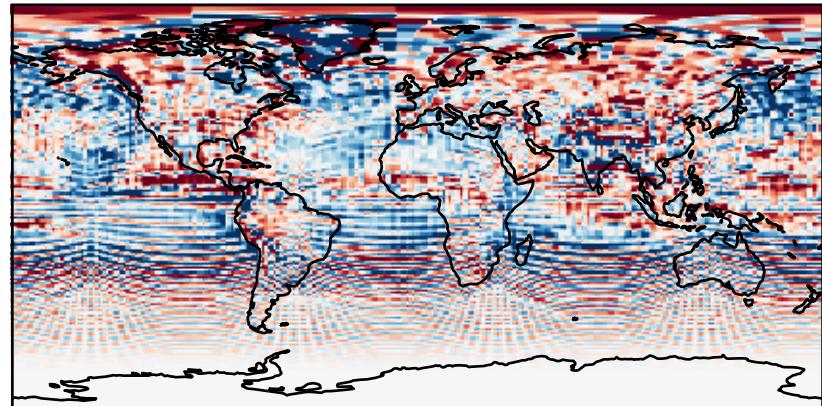
GCHP_12.5.0_c24 (Dev)
c24



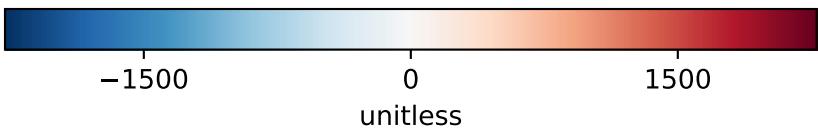
Difference (1x1.25)
Dev - Ref, Dynamic Range



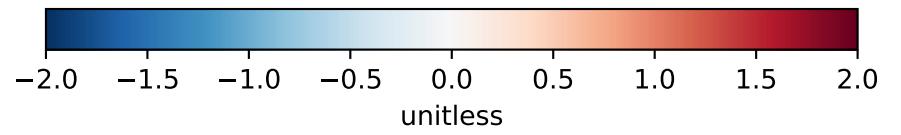
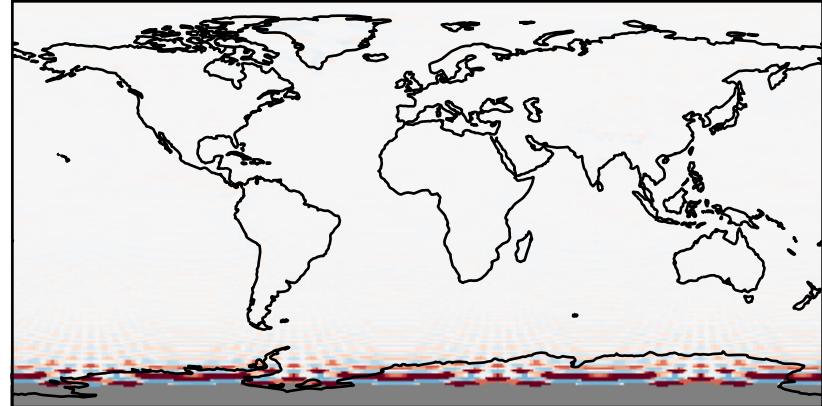
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



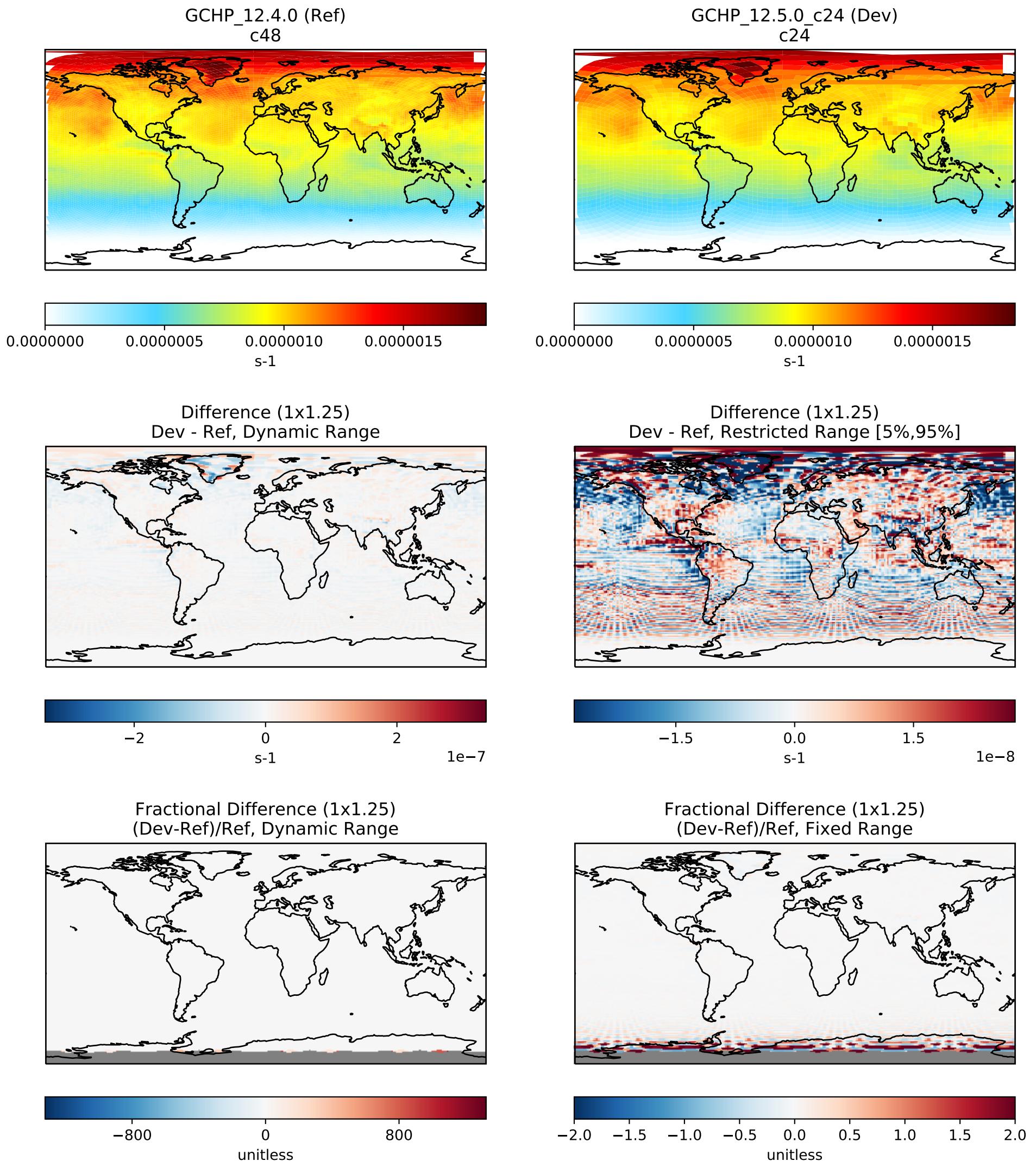
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



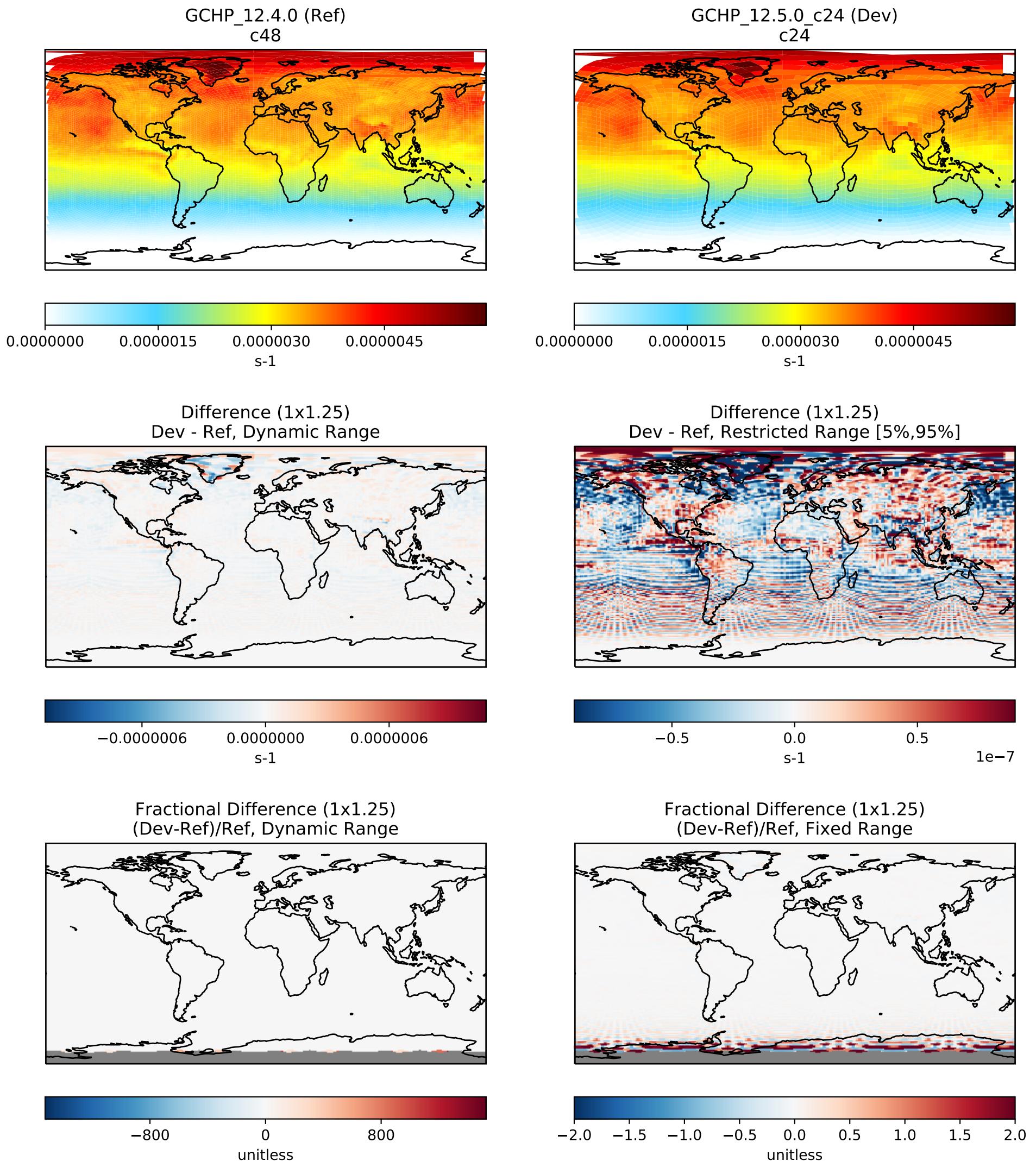
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



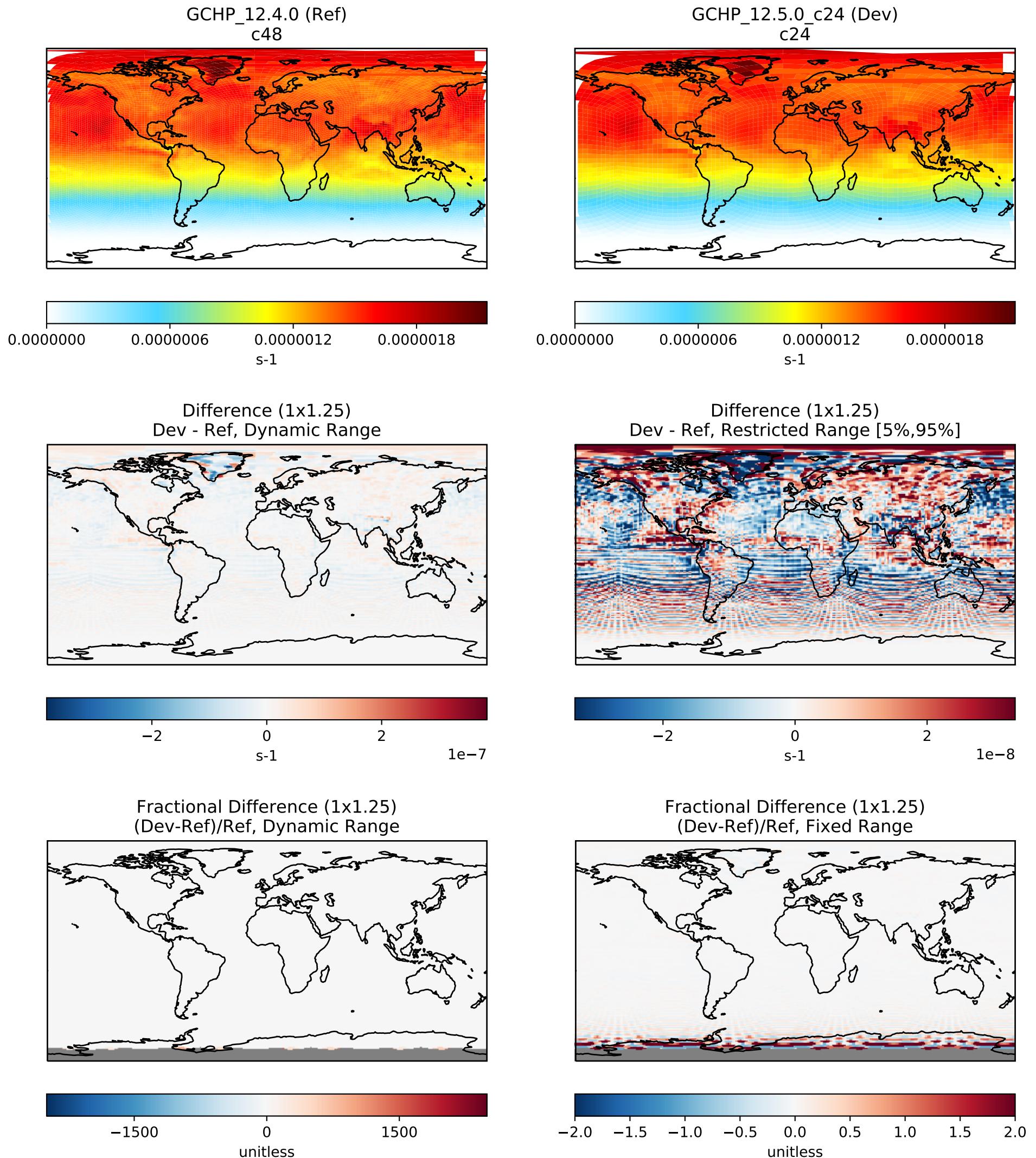
Jval_ISN1



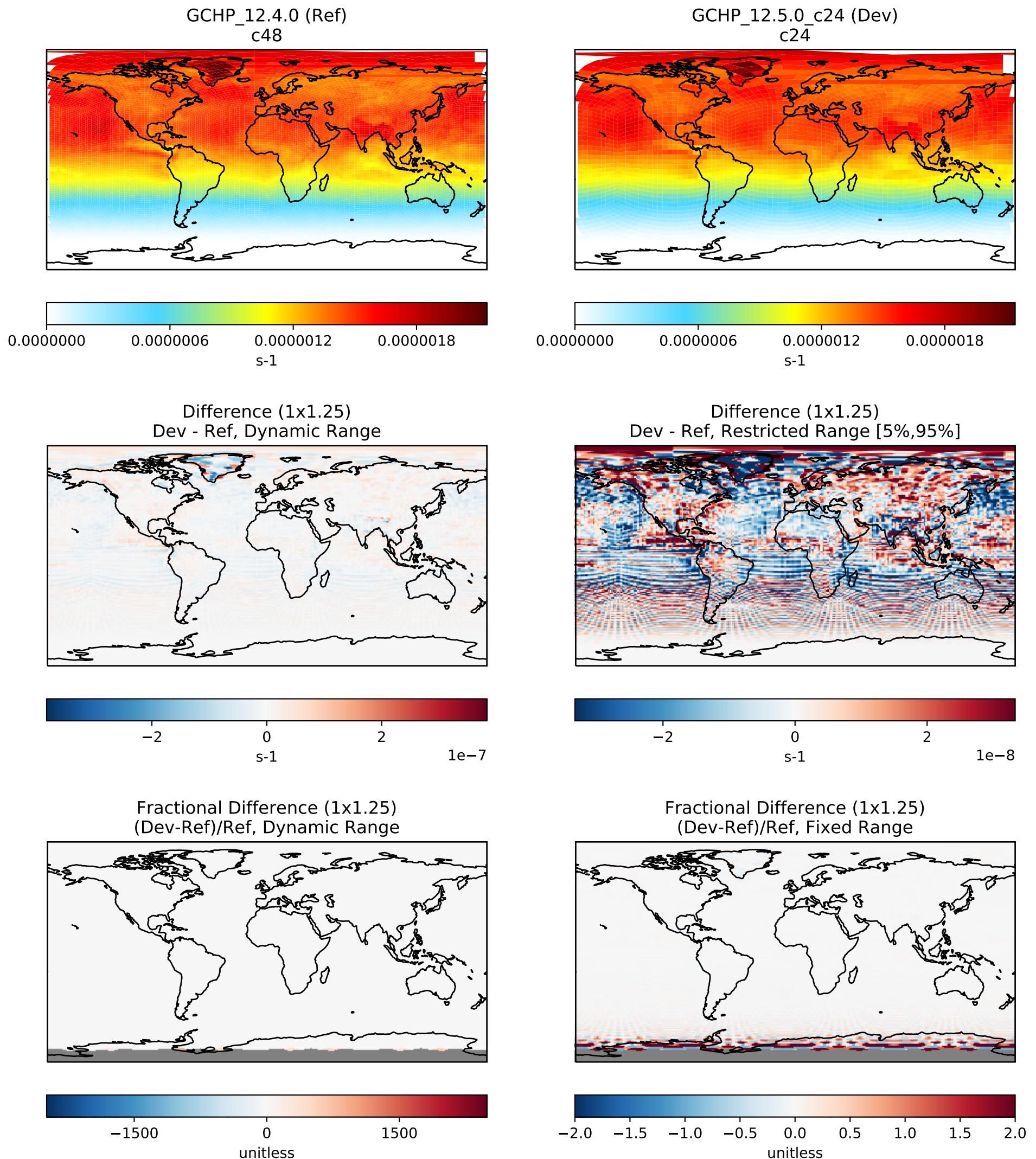
Jval_ISNP



Jval_ISOPNB

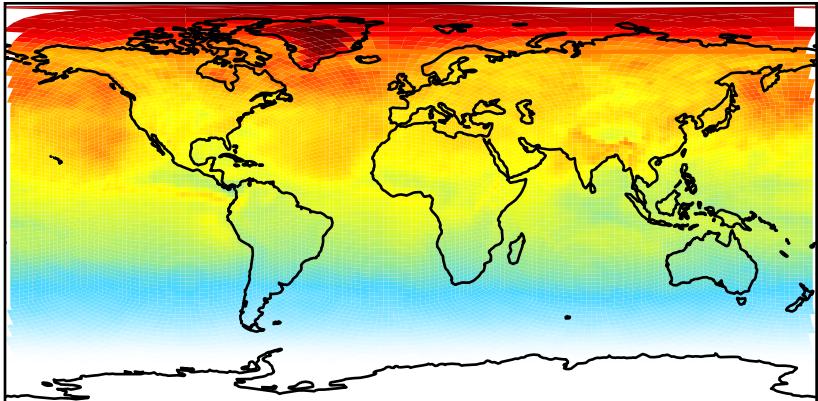


Jval_ISOPND

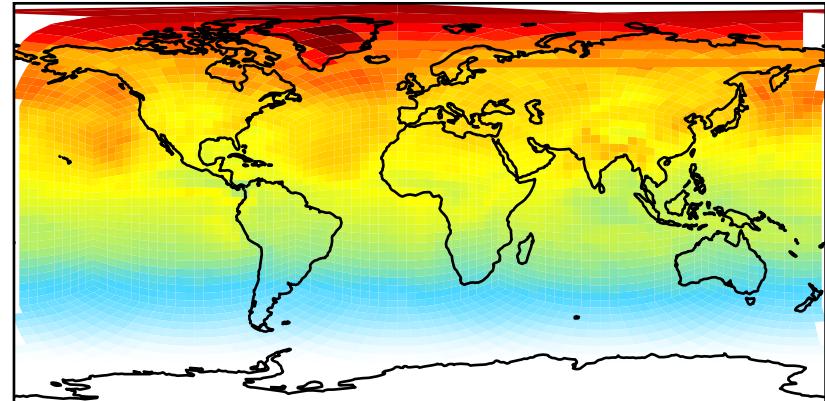


Jval_MACR

GCHP_12.4.0 (Ref)
c48



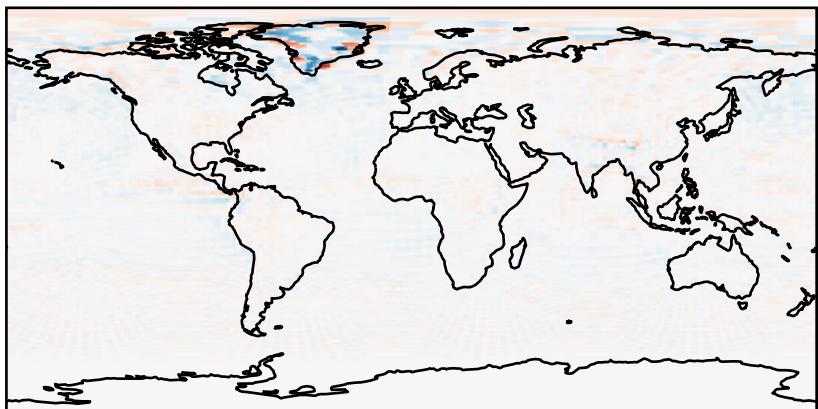
GCHP_12.5.0_c24 (Dev)
c24



0.0000000 0.0000005 0.0000010 0.0000015
s⁻¹

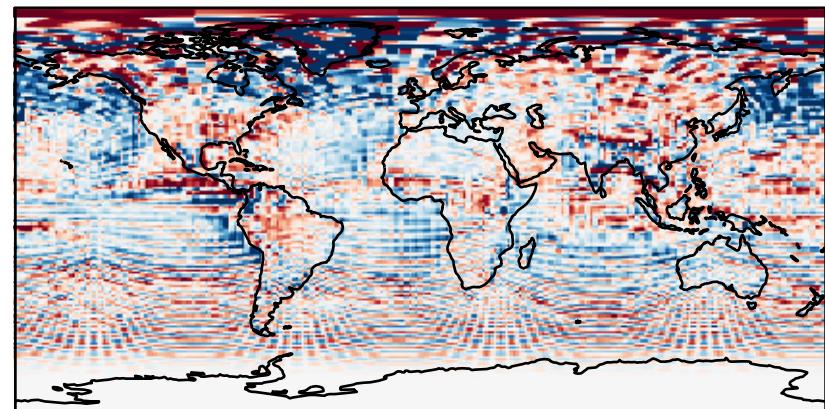
0.0000000 0.0000005 0.0000010 0.0000015
s⁻¹

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



-2 0 2 1e-7
s⁻¹

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



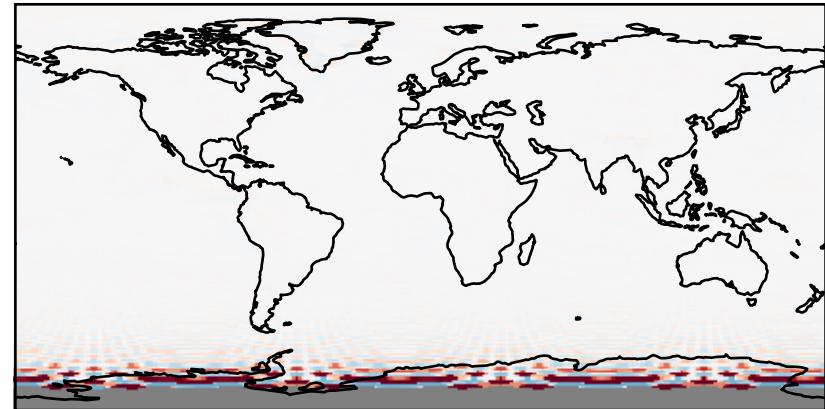
-1.5 0.0 1.5 1e-8
s⁻¹

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



-800 0 800
unitless

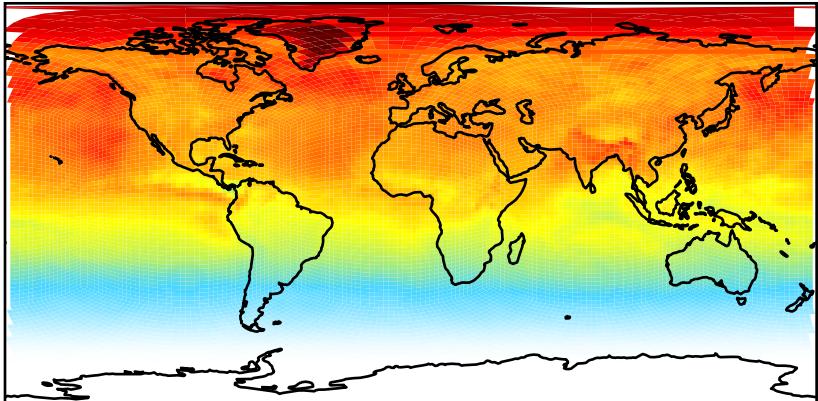
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



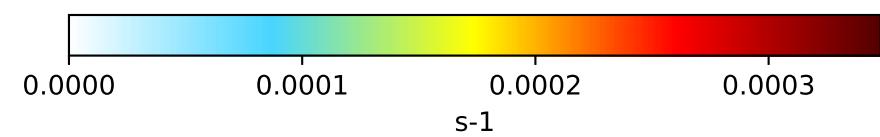
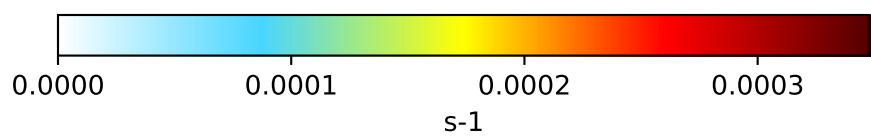
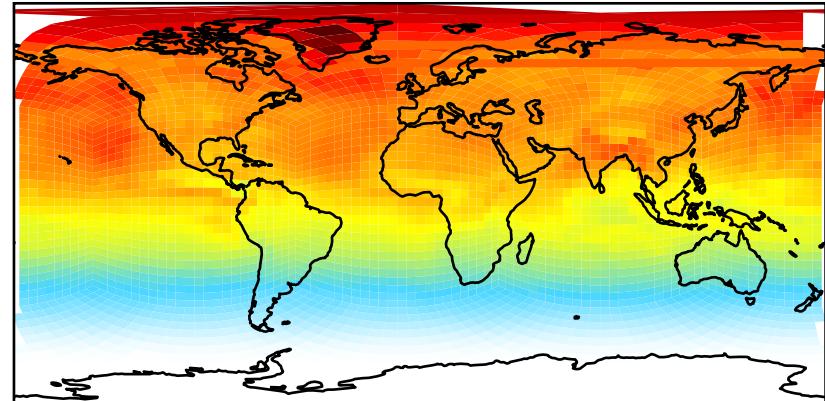
-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0
unitless

Jval_MACRN

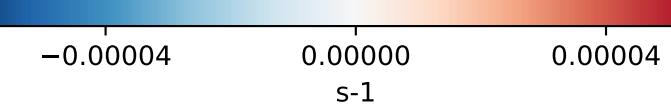
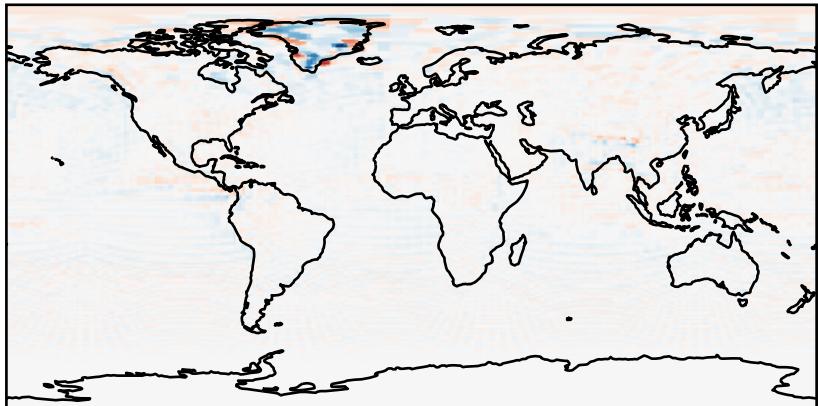
GCHP_12.4.0 (Ref)
c48



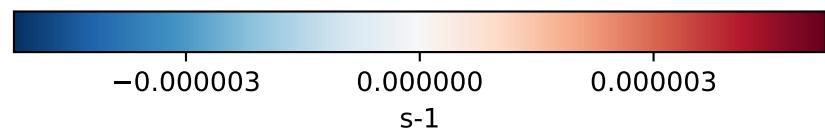
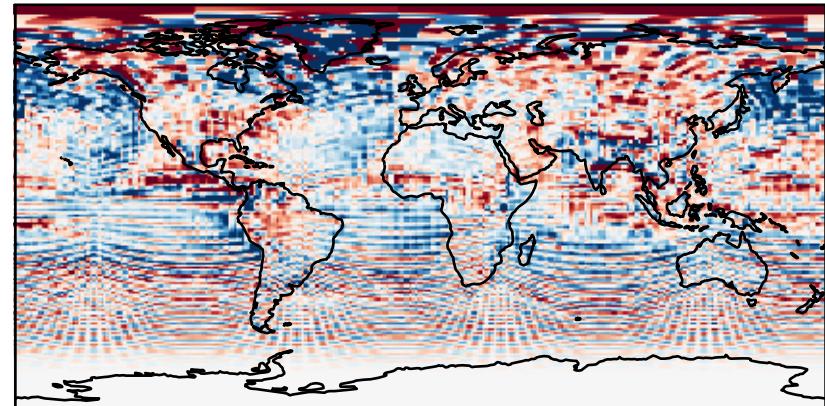
GCHP_12.5.0_c24 (Dev)
c24



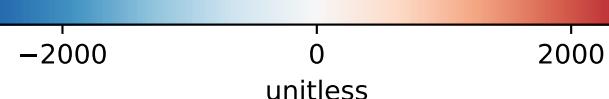
Difference (1x1.25)
Dev - Ref, Dynamic Range



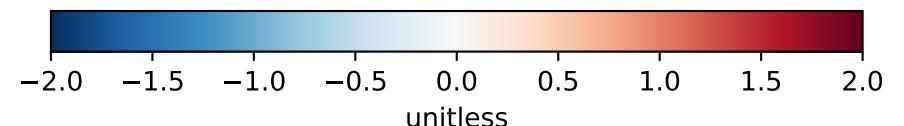
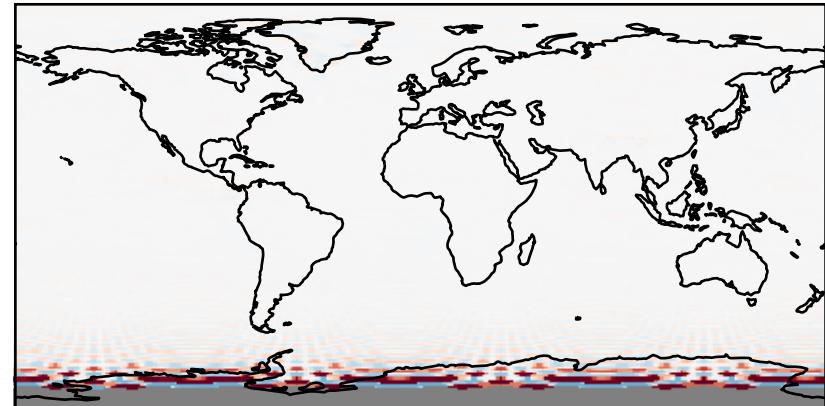
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

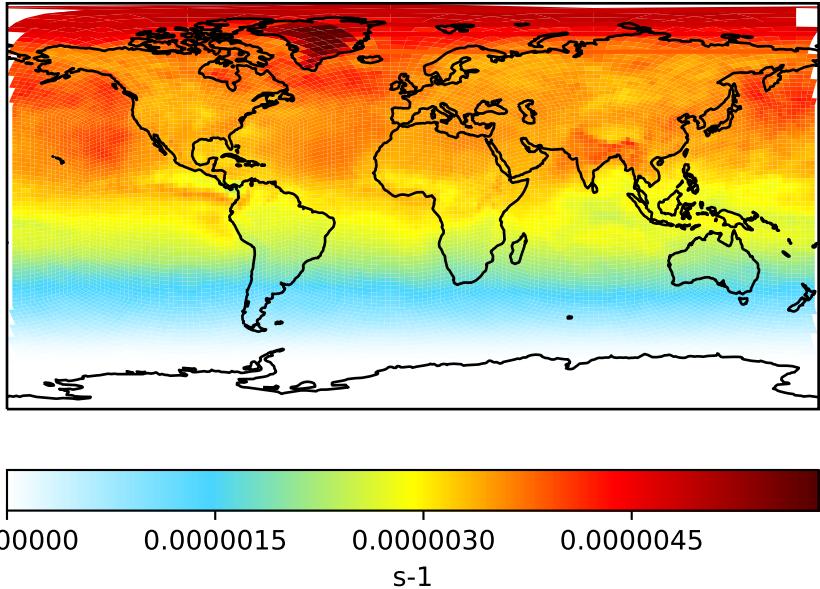


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

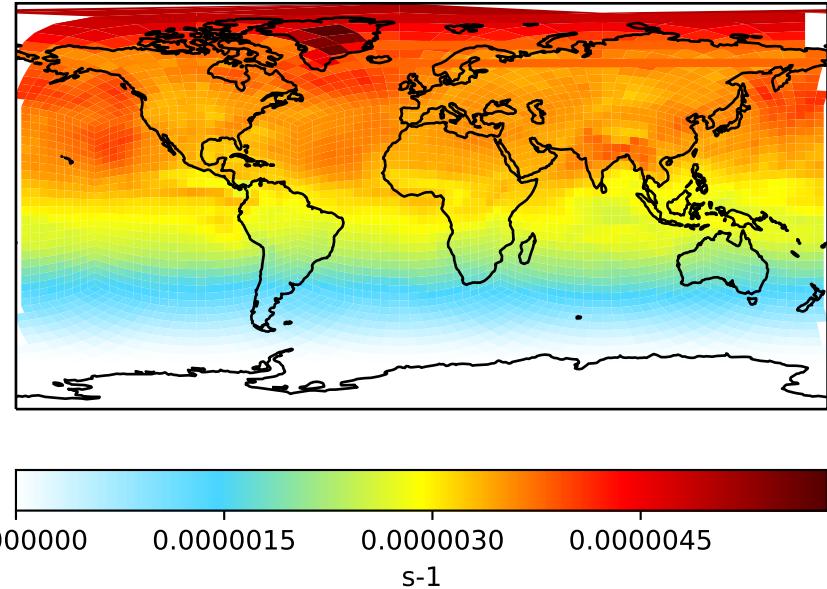


Jval_MAOP

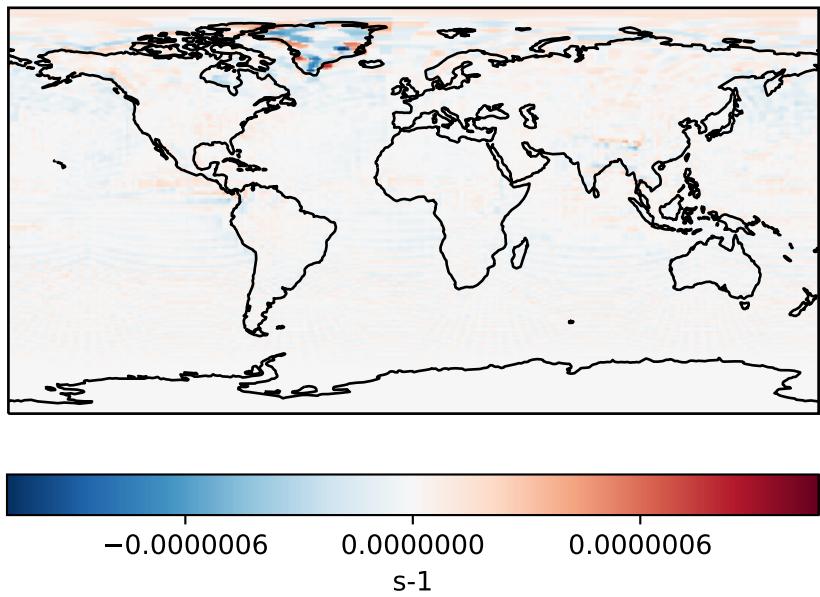
GCHP_12.4.0 (Ref)
c48



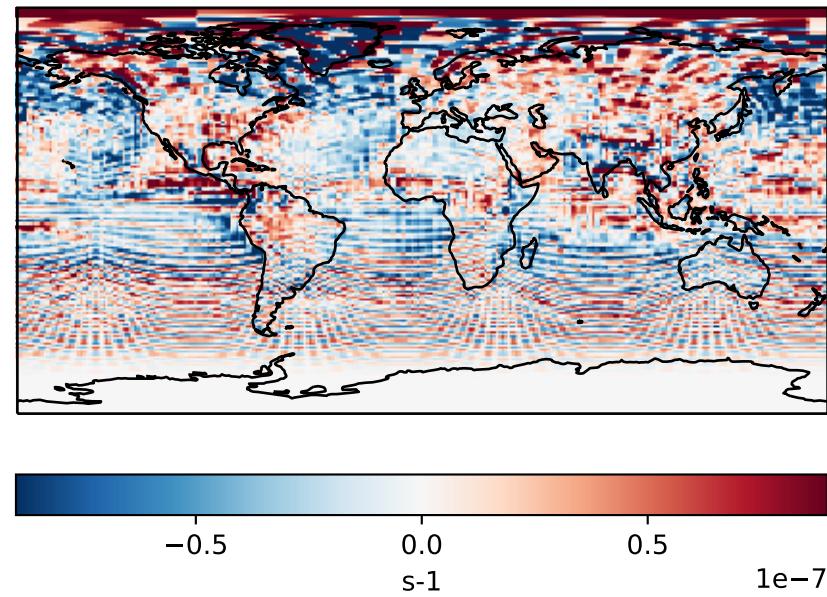
GCHP_12.5.0_c24 (Dev)
c24



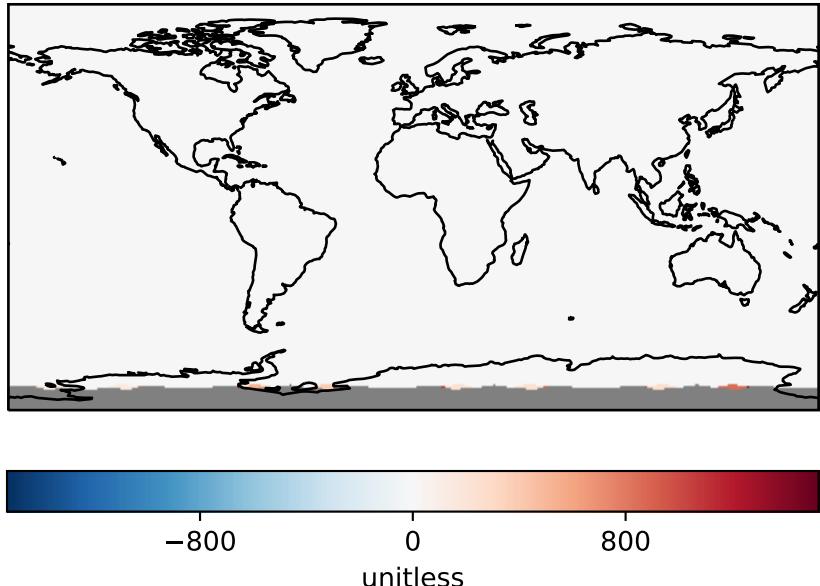
Difference (1x1.25)
Dev - Ref, Dynamic Range



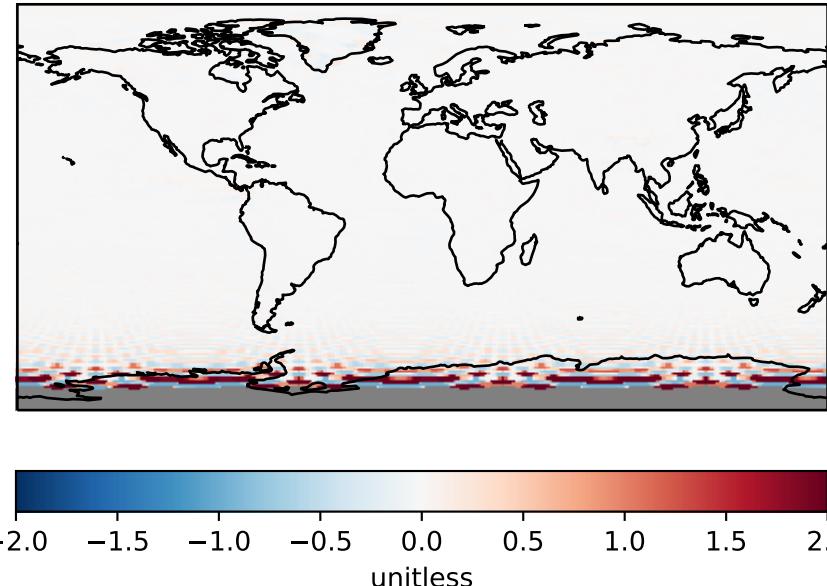
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

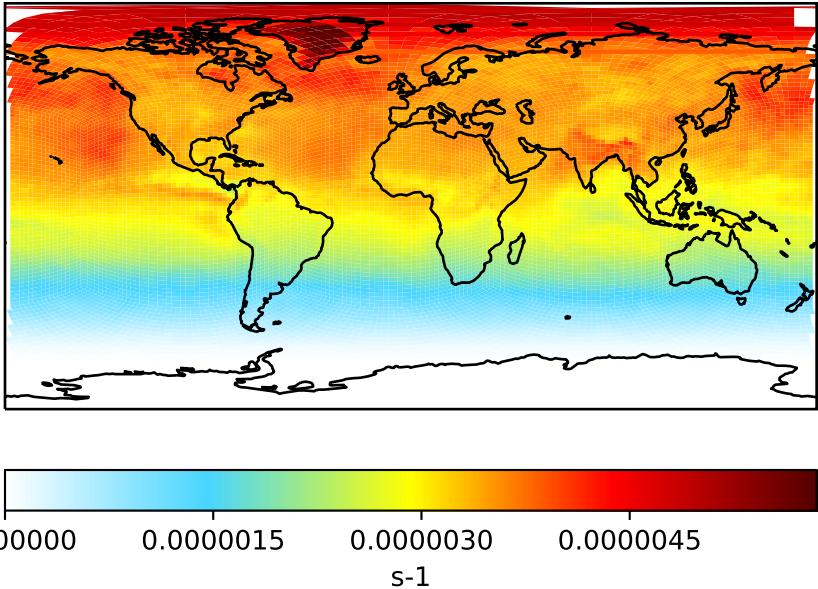


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

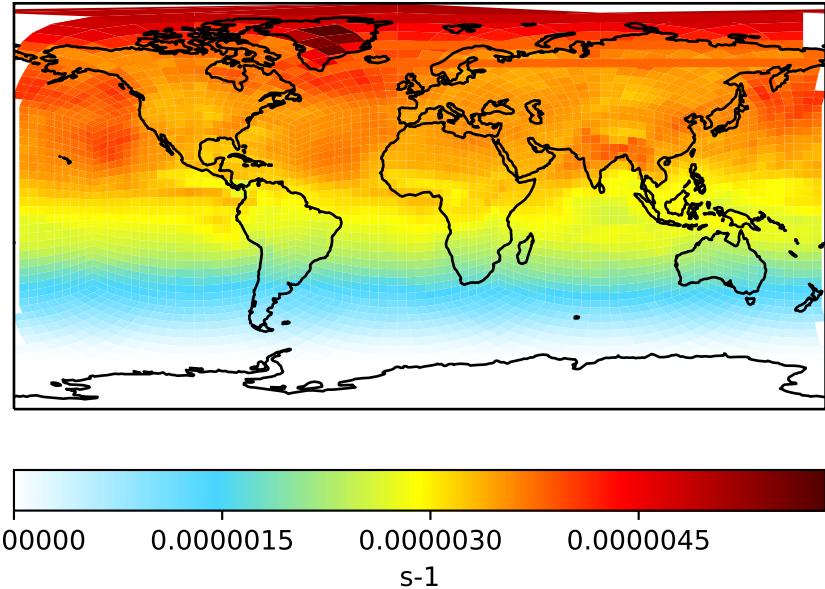


Jval_MAP

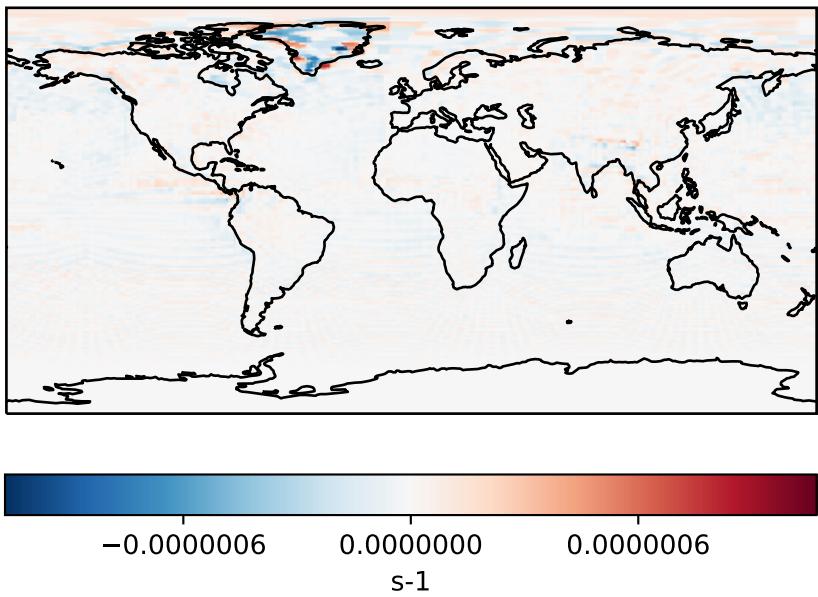
GCHP_12.4.0 (Ref)
c48



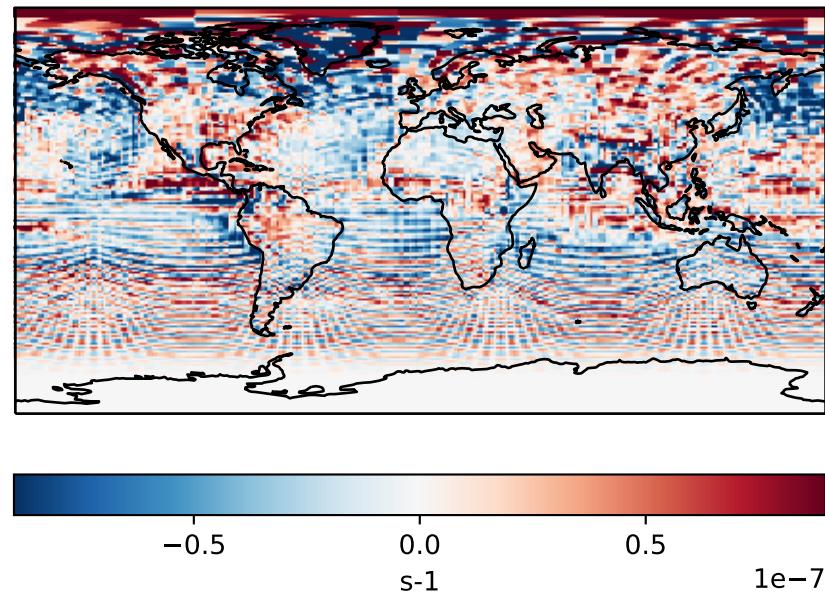
GCHP_12.5.0_c24 (Dev)
c24



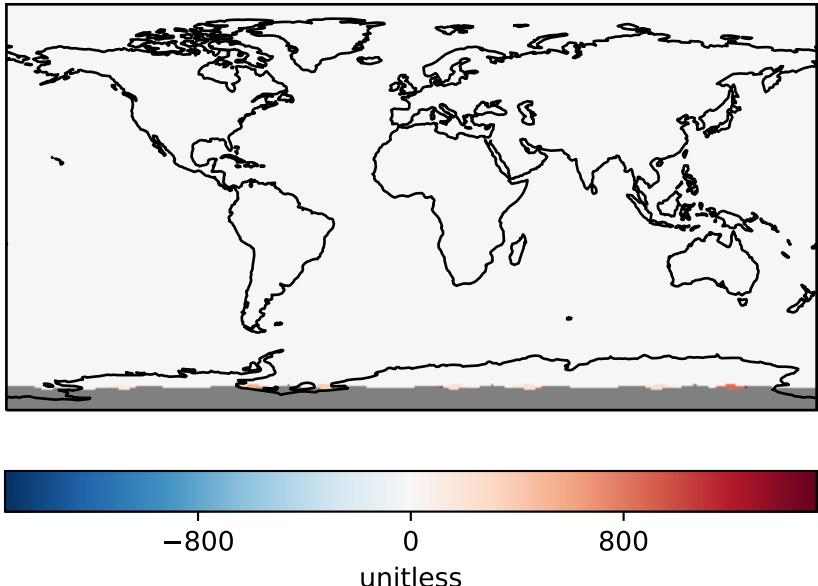
Difference (1x1.25)
Dev - Ref, Dynamic Range



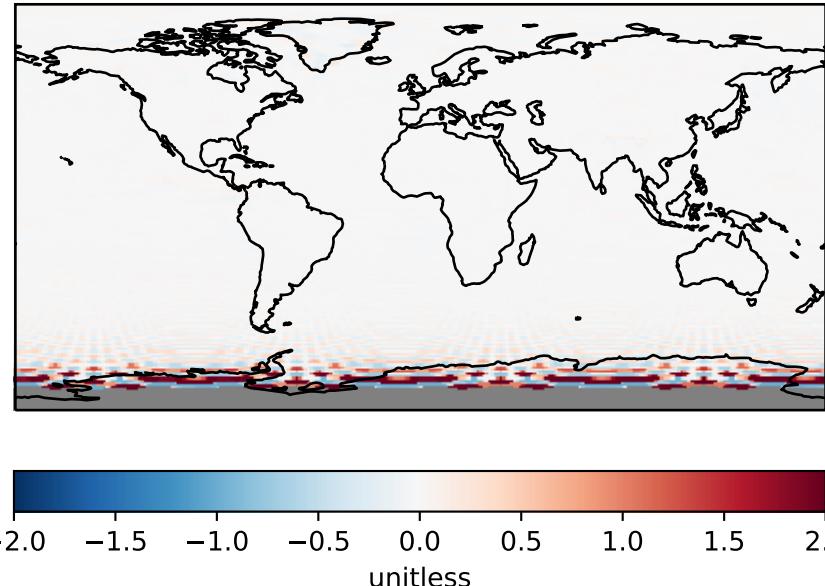
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



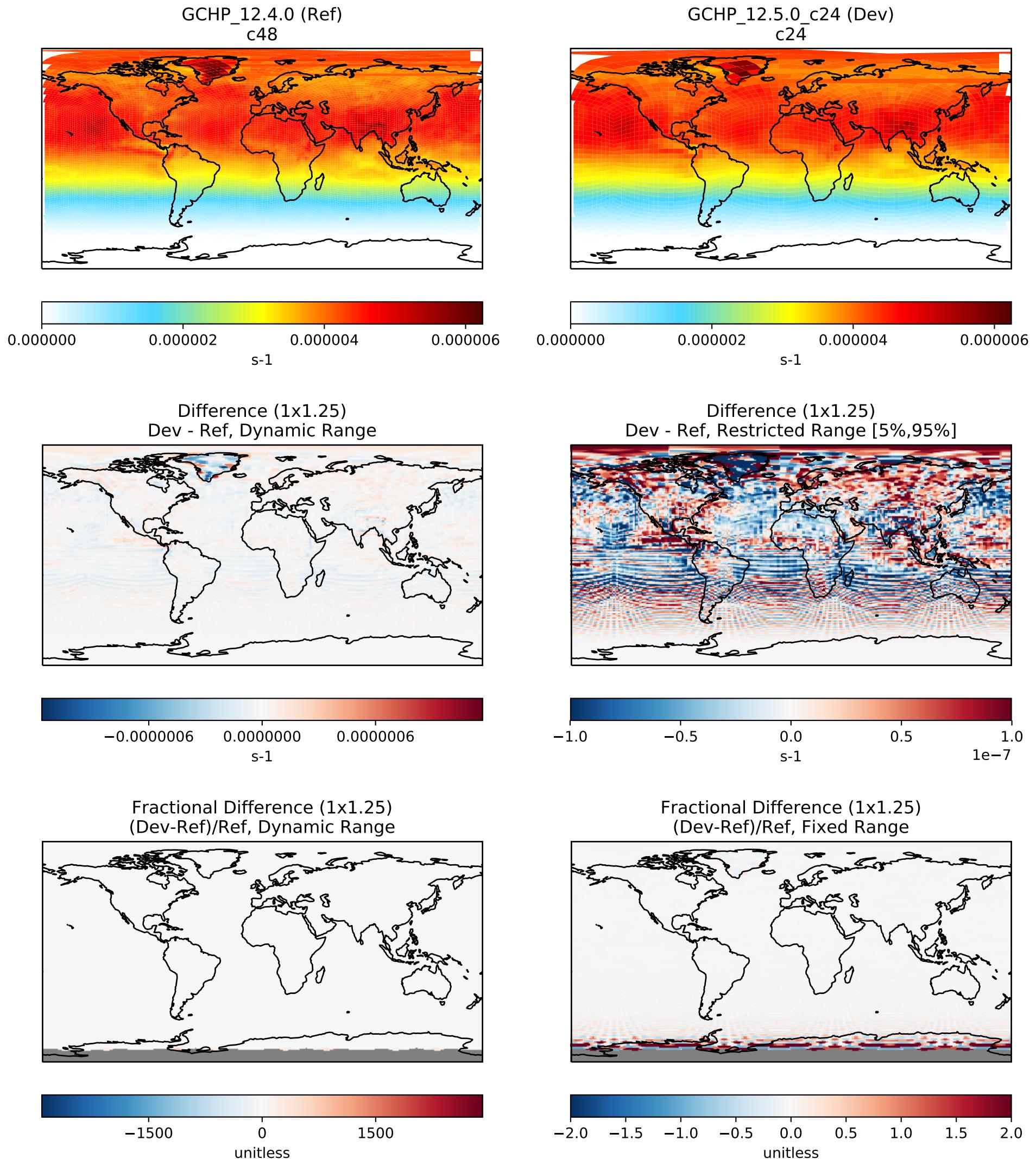
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



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

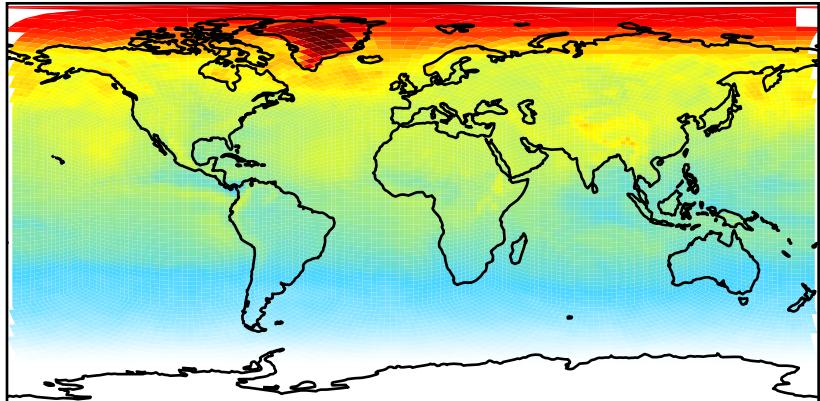


Jval_MEK

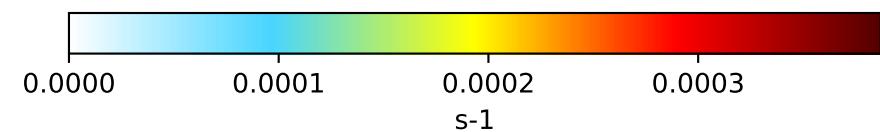
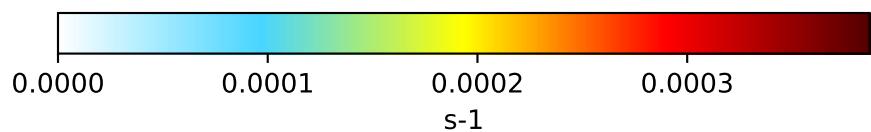
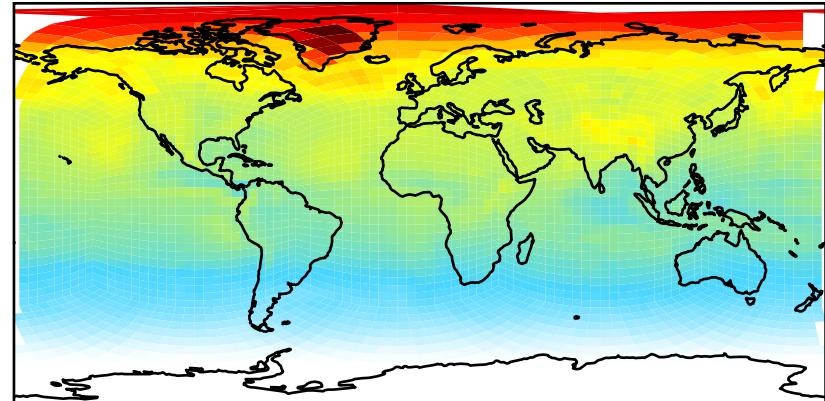


Jval_MGLY

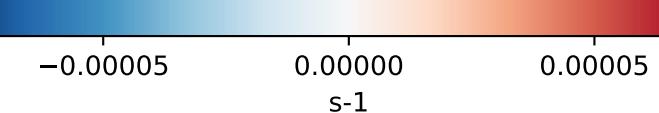
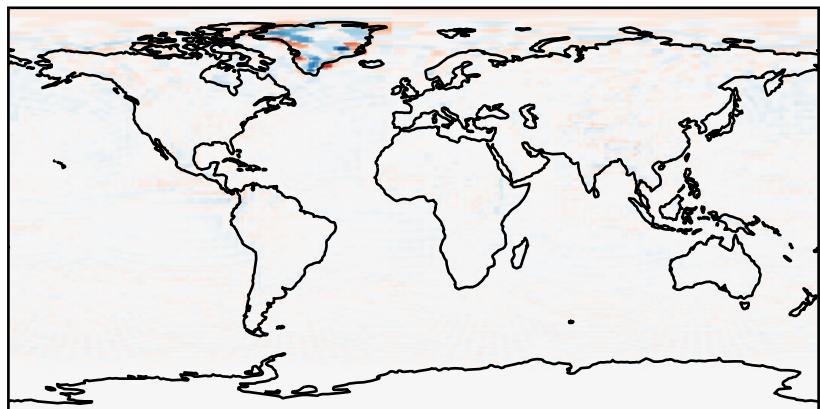
GCHP_12.4.0 (Ref)
c48



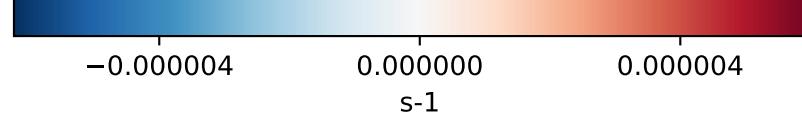
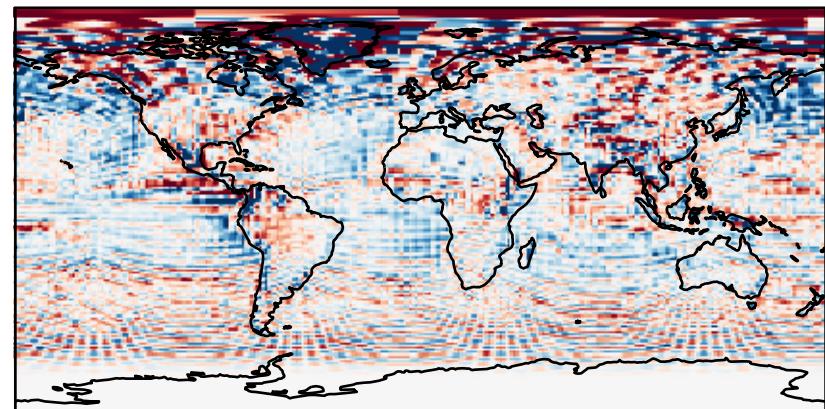
GCHP_12.5.0_c24 (Dev)
c24



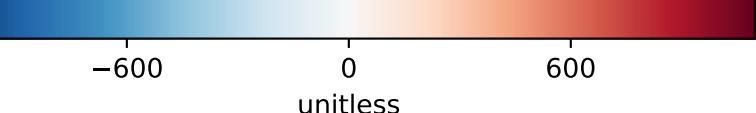
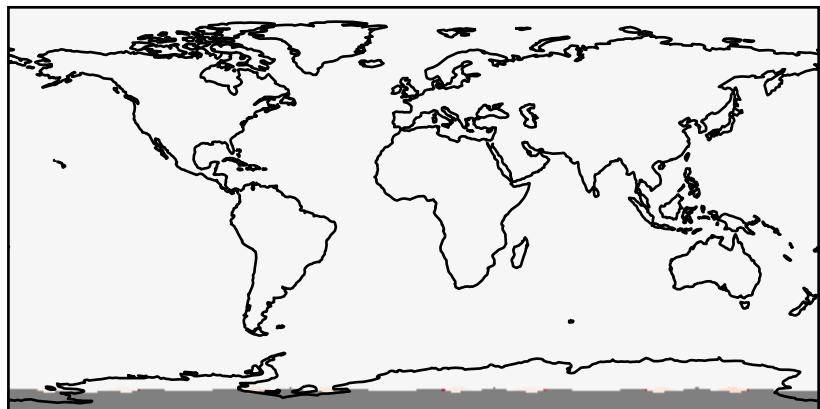
Difference (1x1.25)
Dev - Ref, Dynamic Range



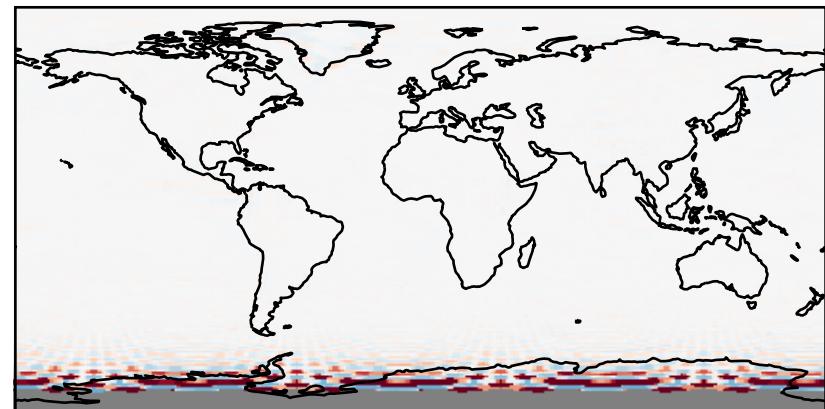
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



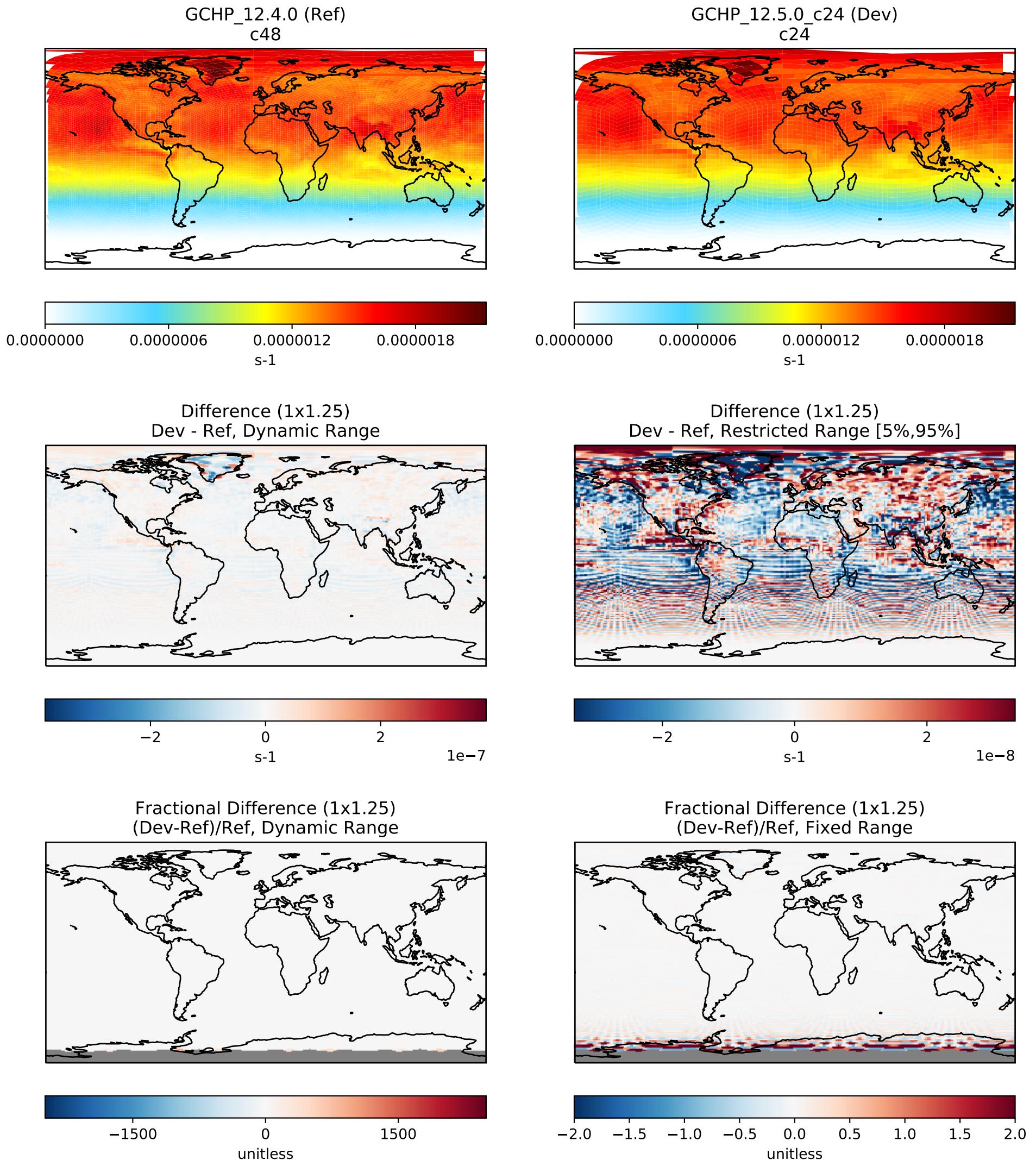
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



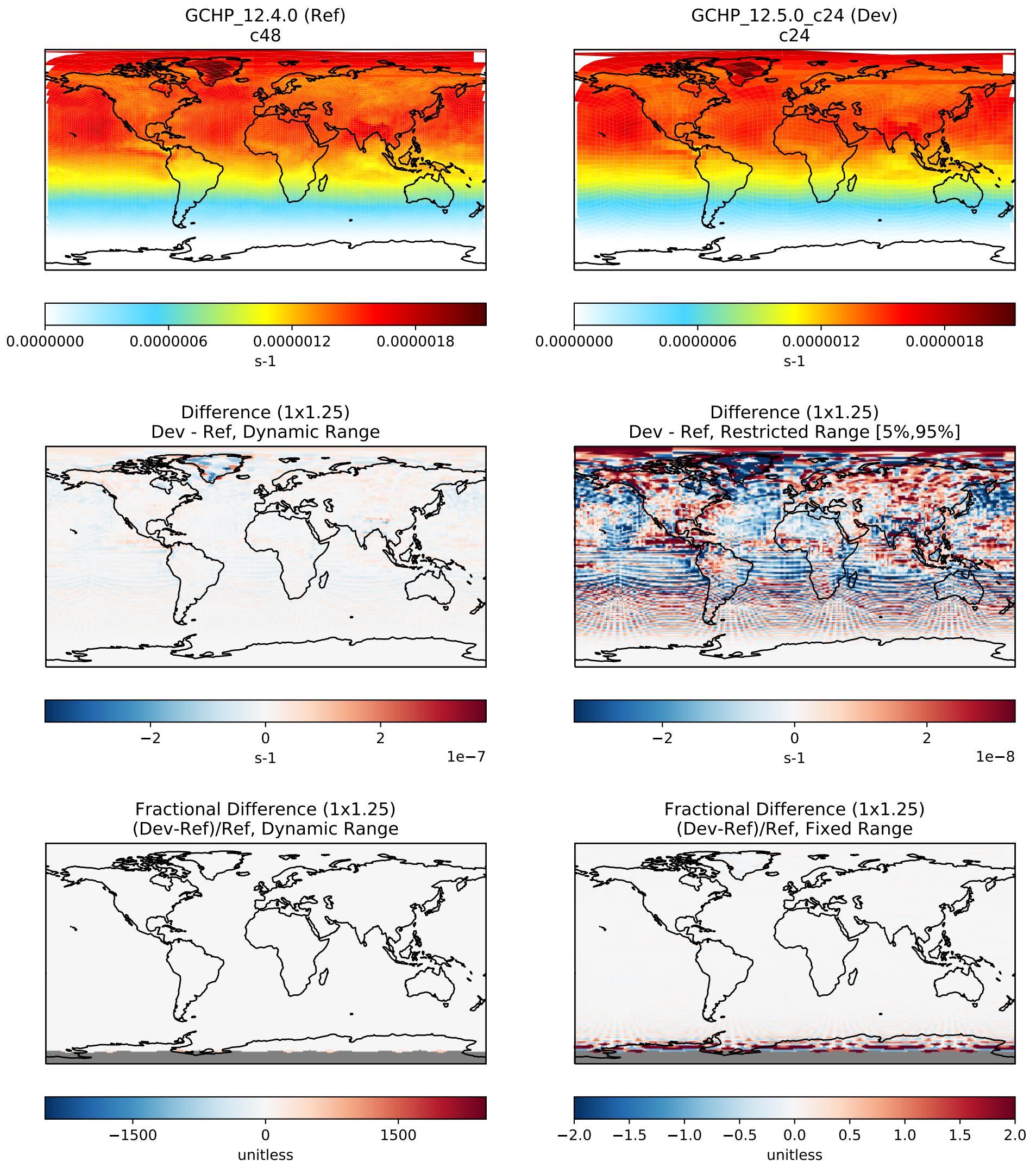
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



Jval_MONITS

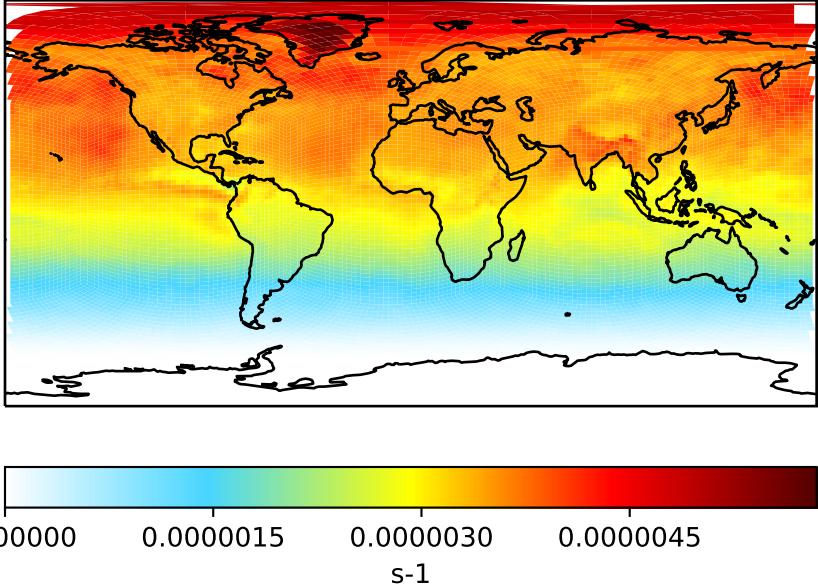


Jval_MONITOR

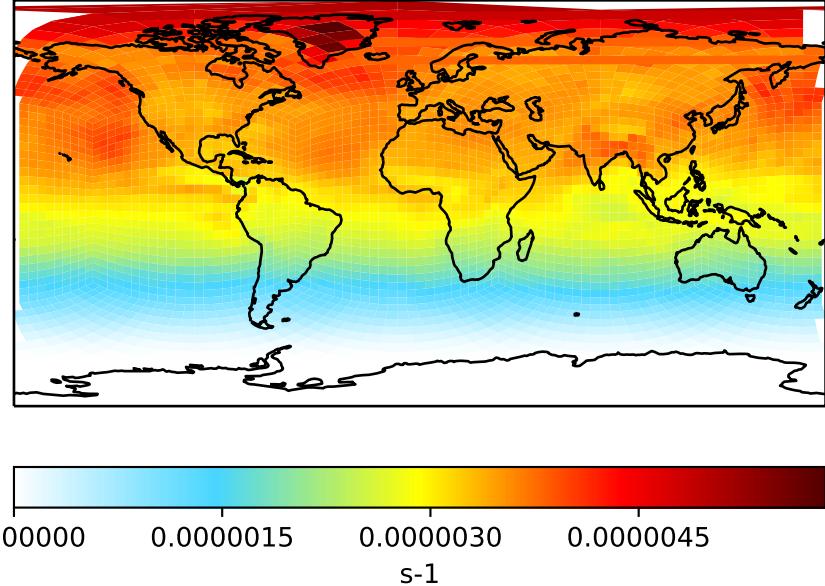


Jval_MP

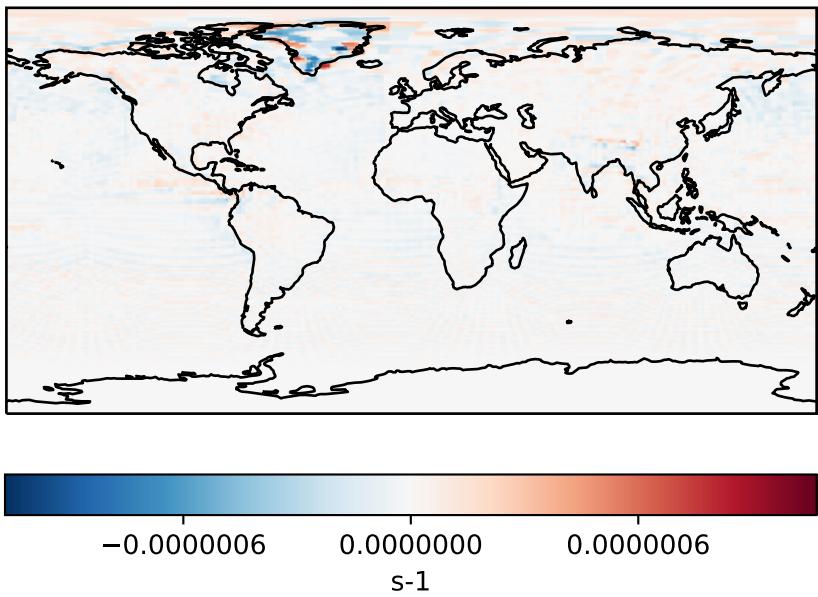
GCHP_12.4.0 (Ref)
c48



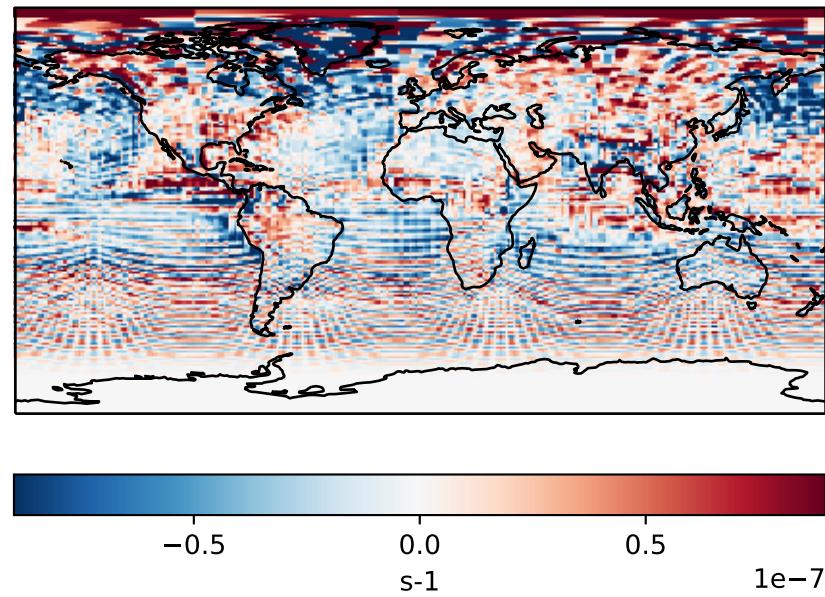
GCHP_12.5.0_c24 (Dev)
c24



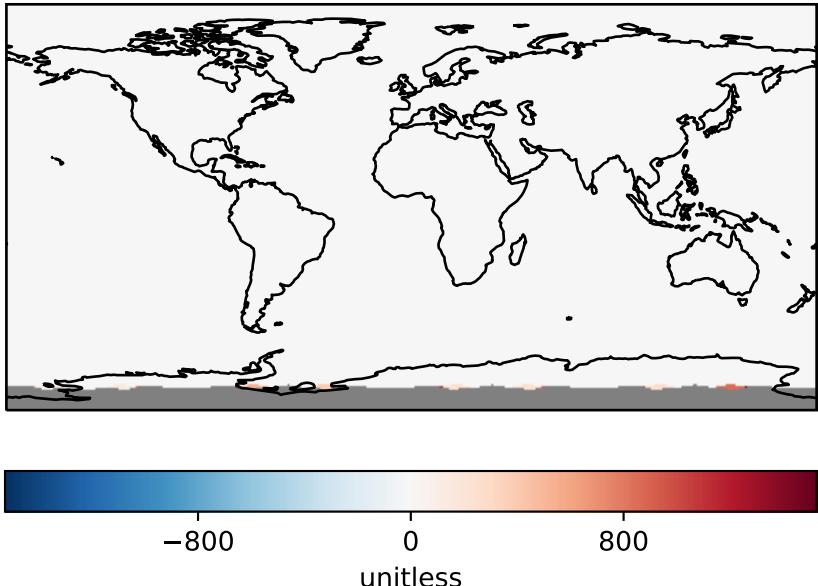
Difference (1x1.25)
Dev - Ref, Dynamic Range



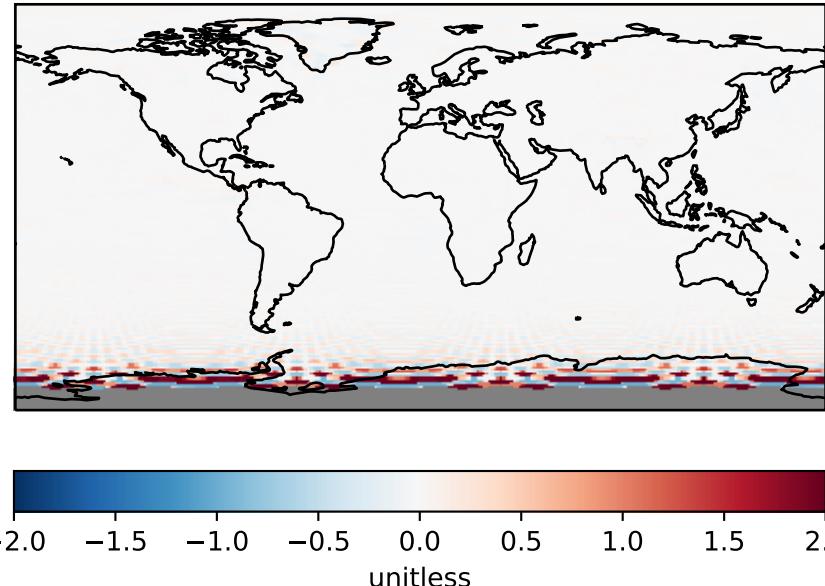
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



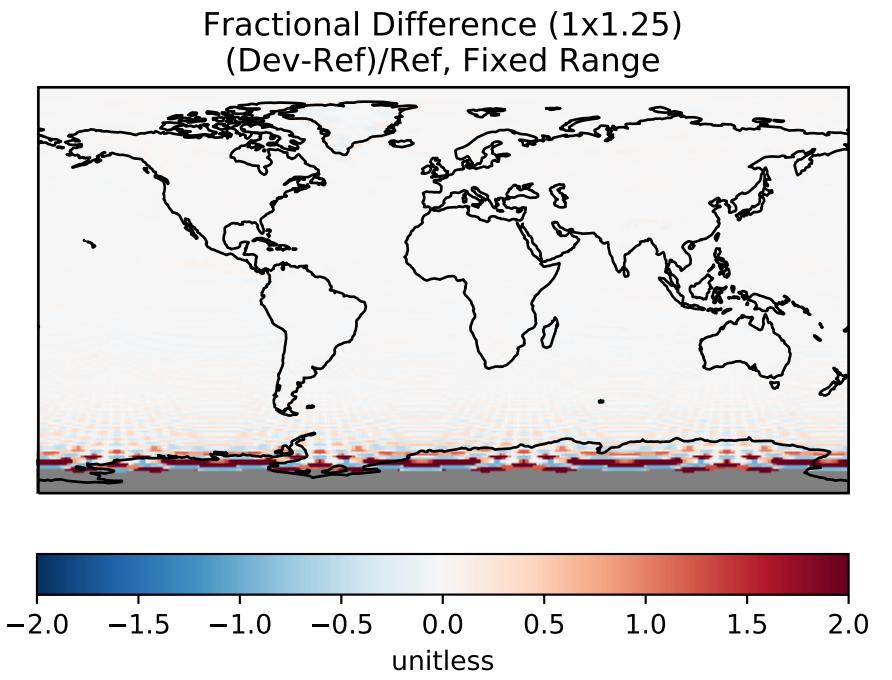
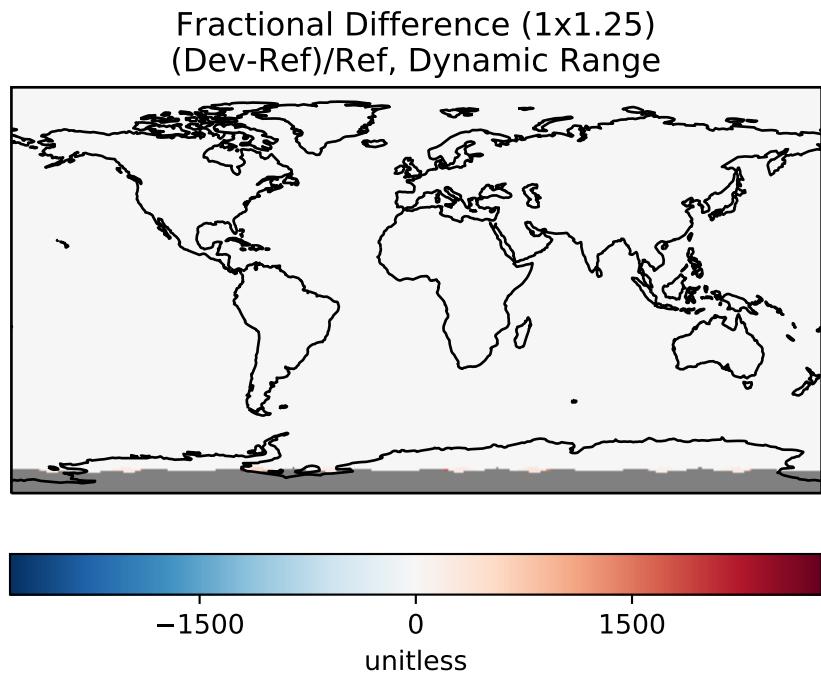
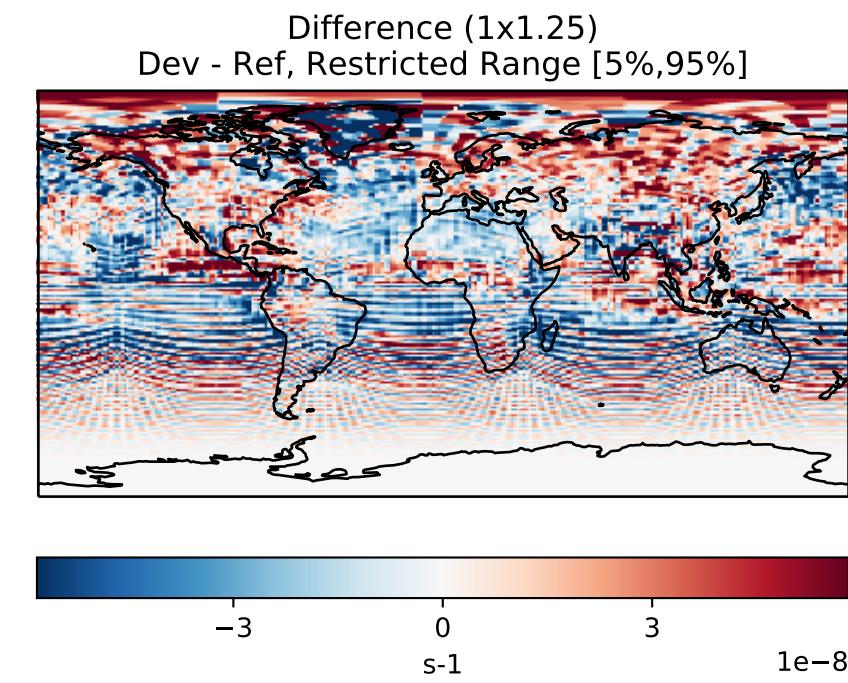
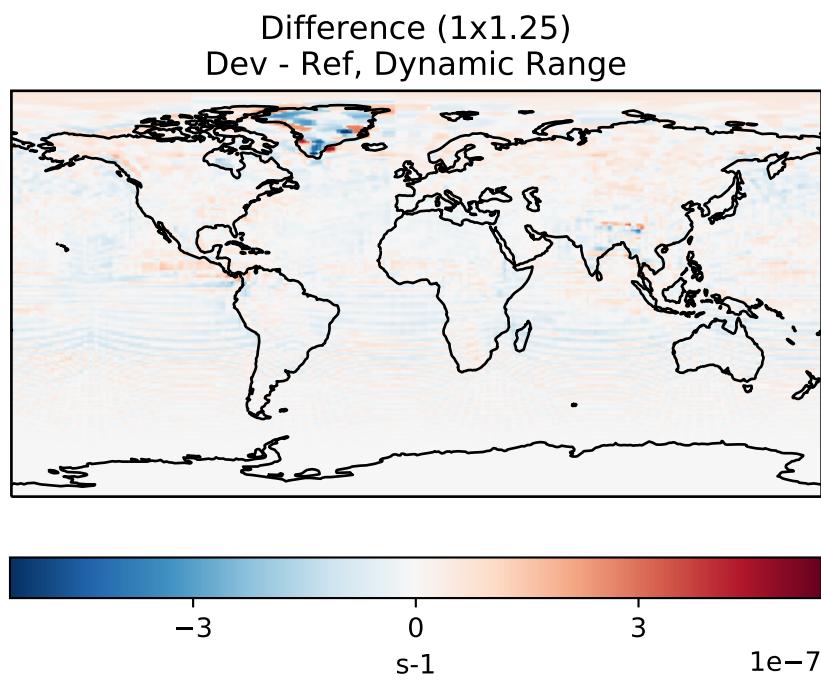
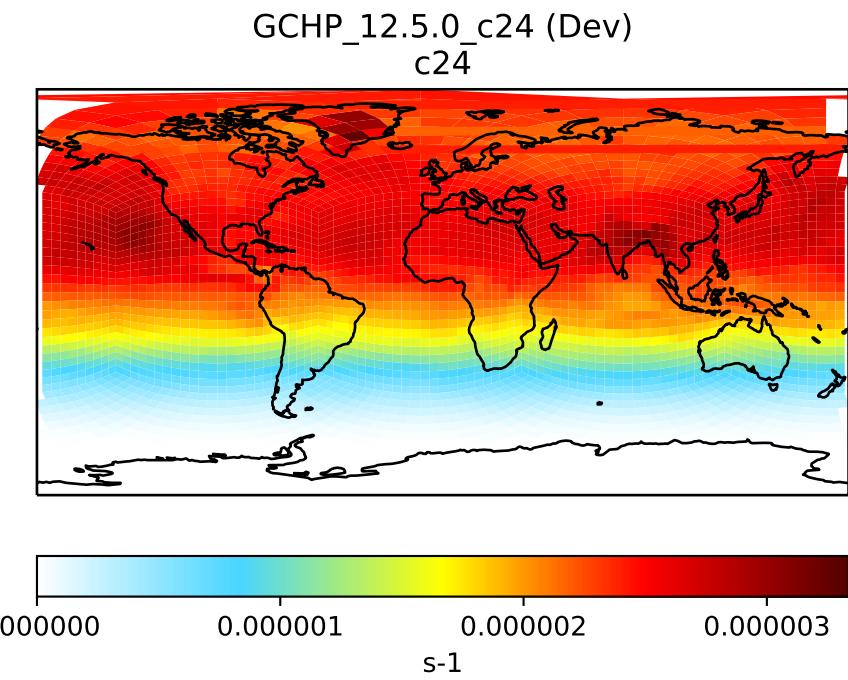
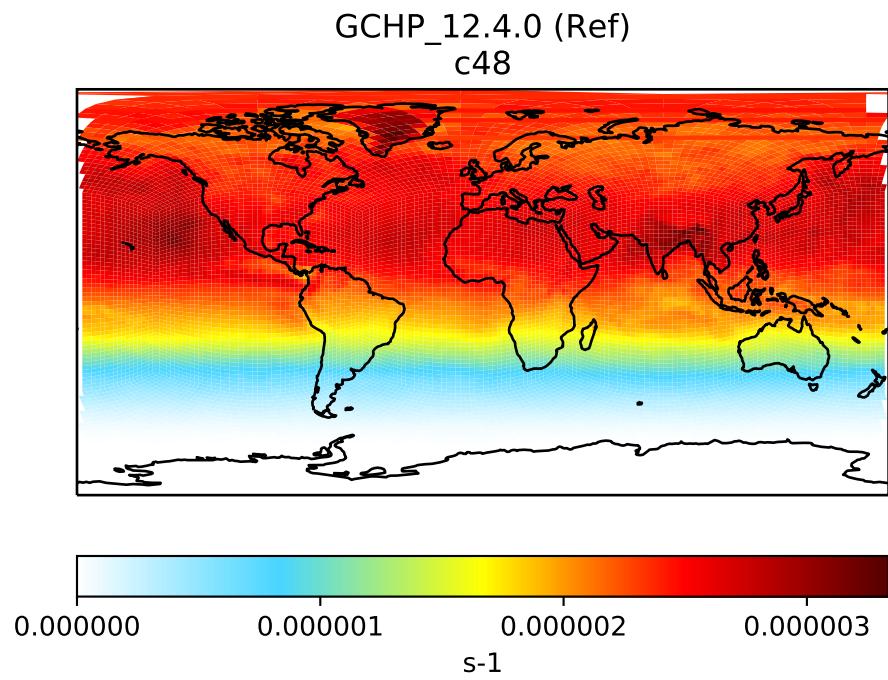
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



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

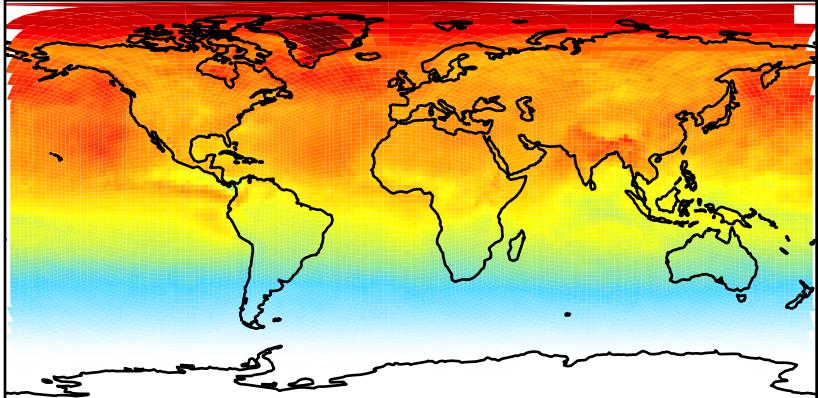


Jval_MPNN

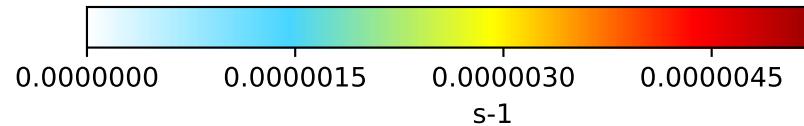
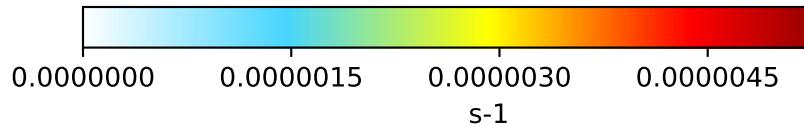
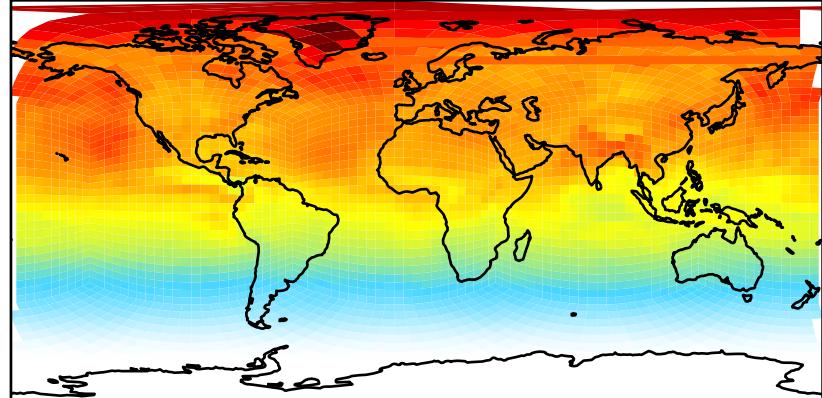


Jval_MRP

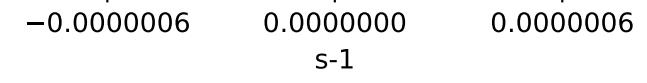
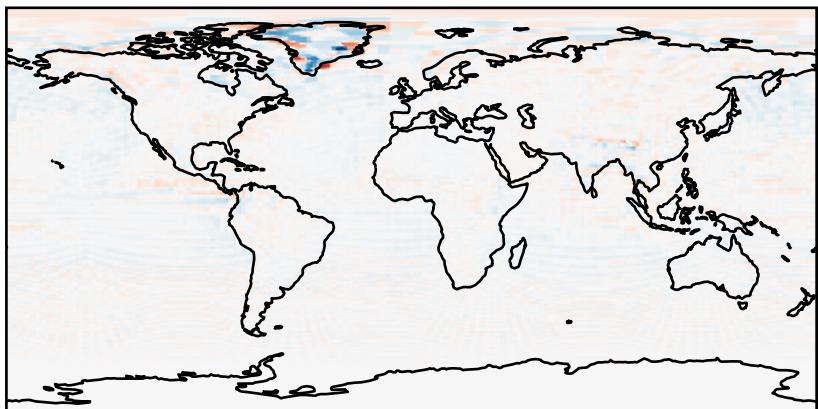
GCHP_12.4.0 (Ref)
c48



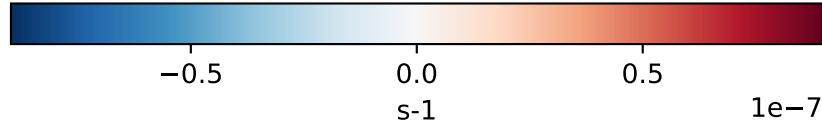
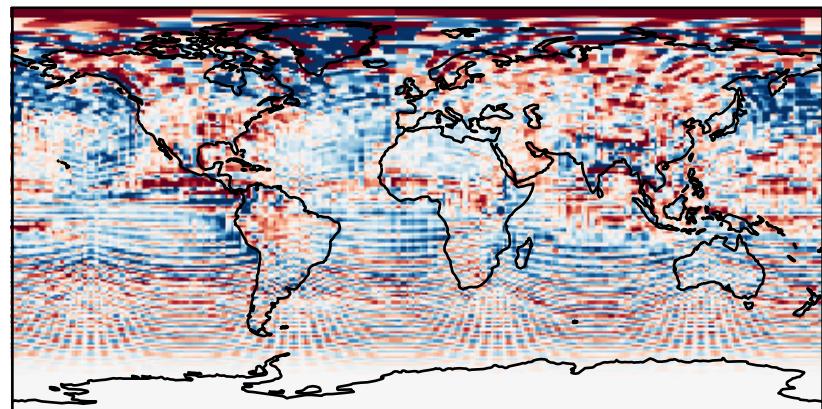
GCHP_12.5.0_c24 (Dev)
c24



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



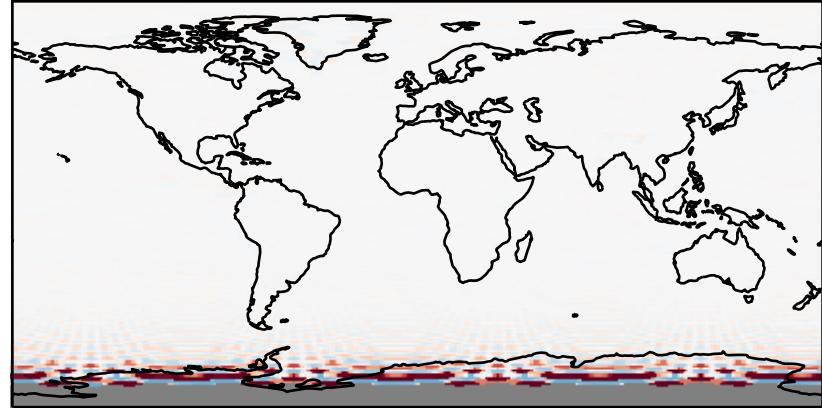
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



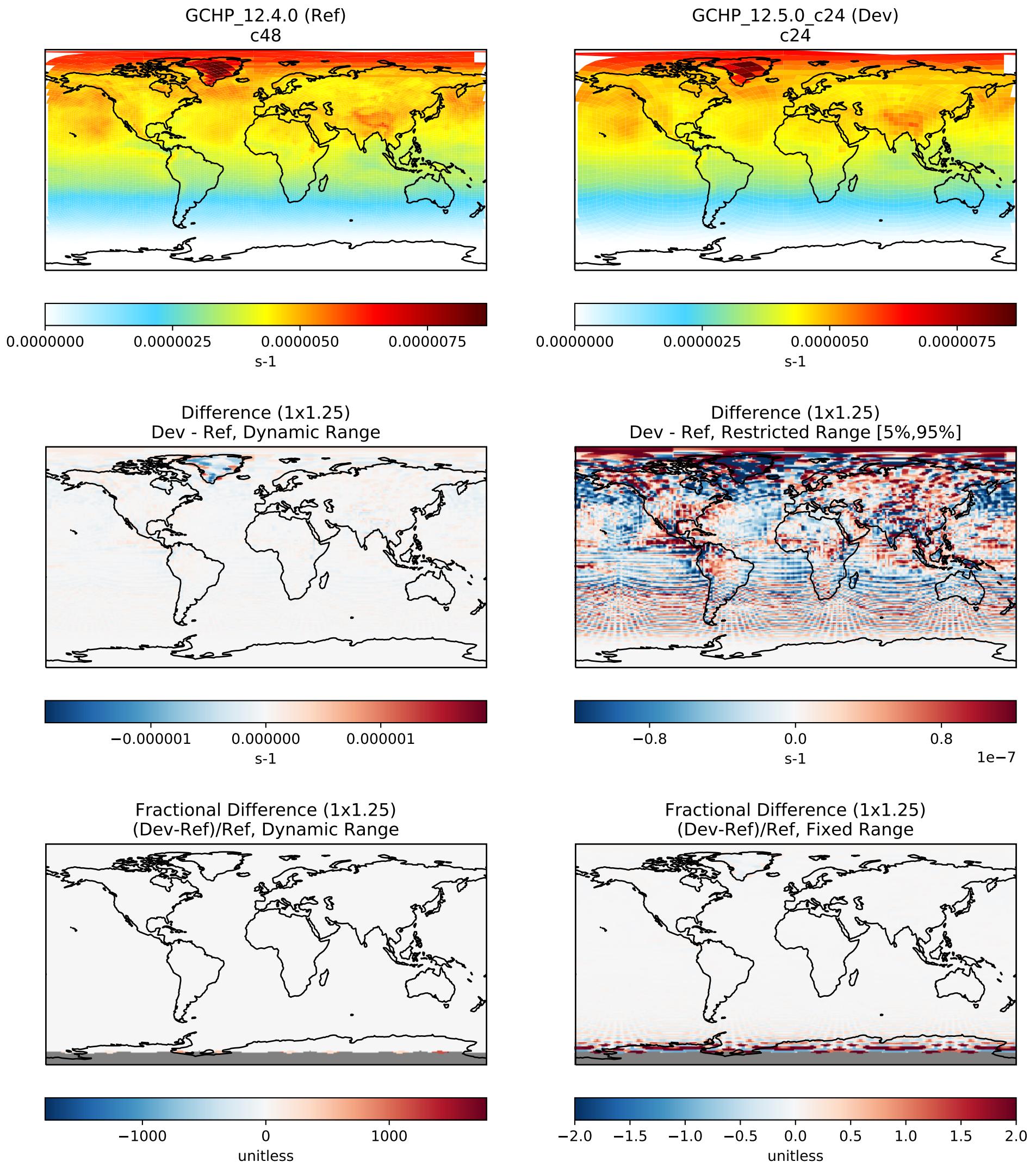
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



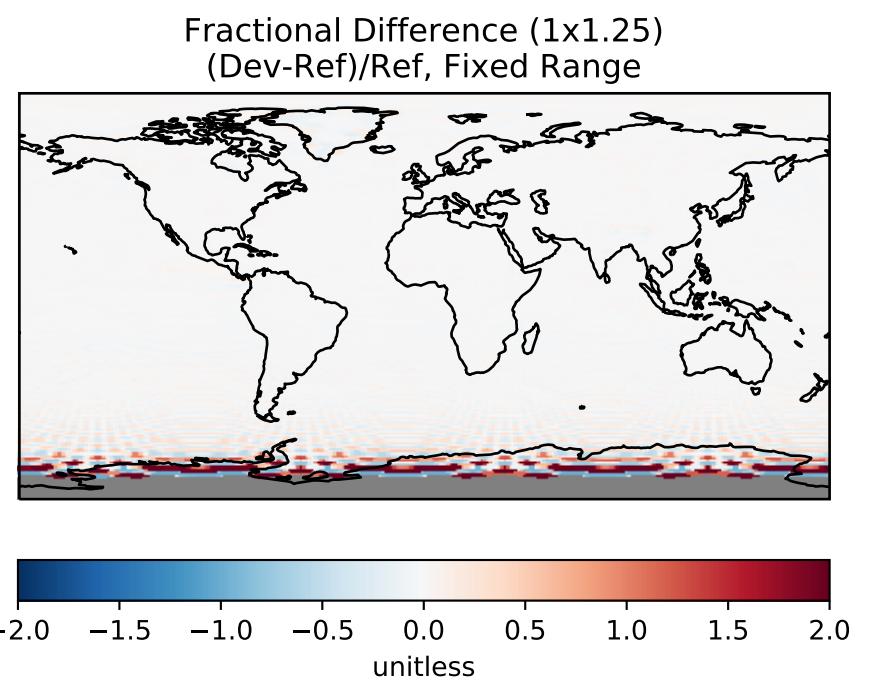
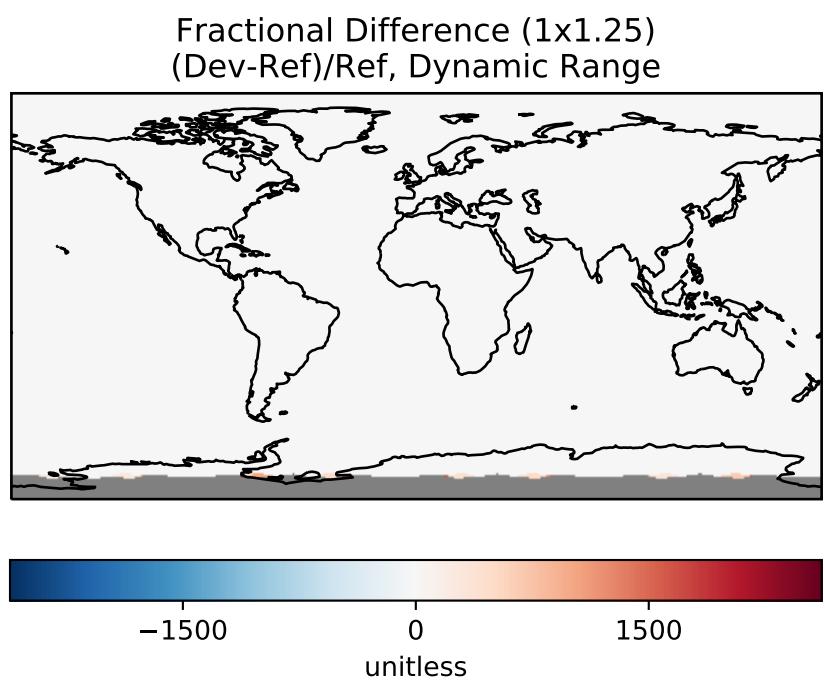
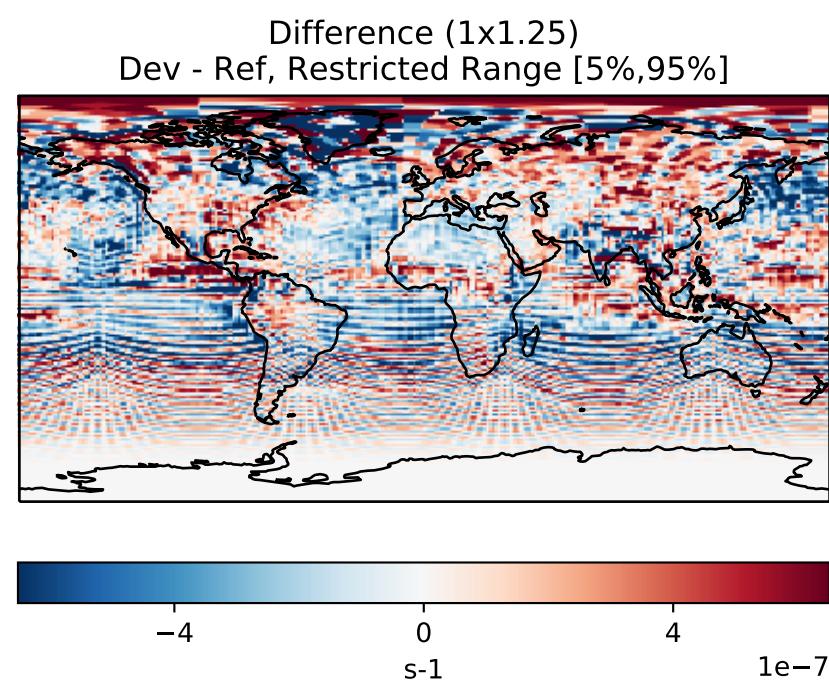
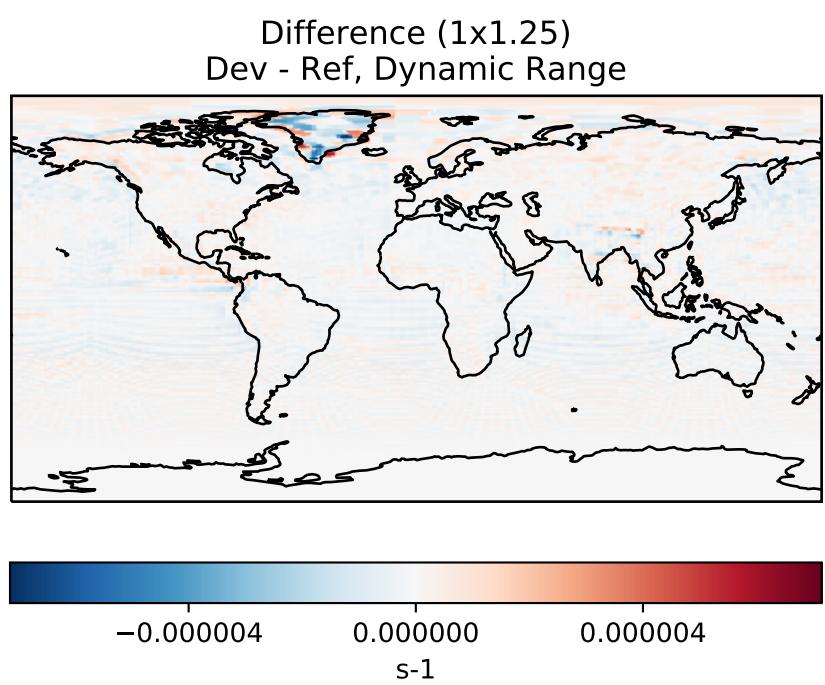
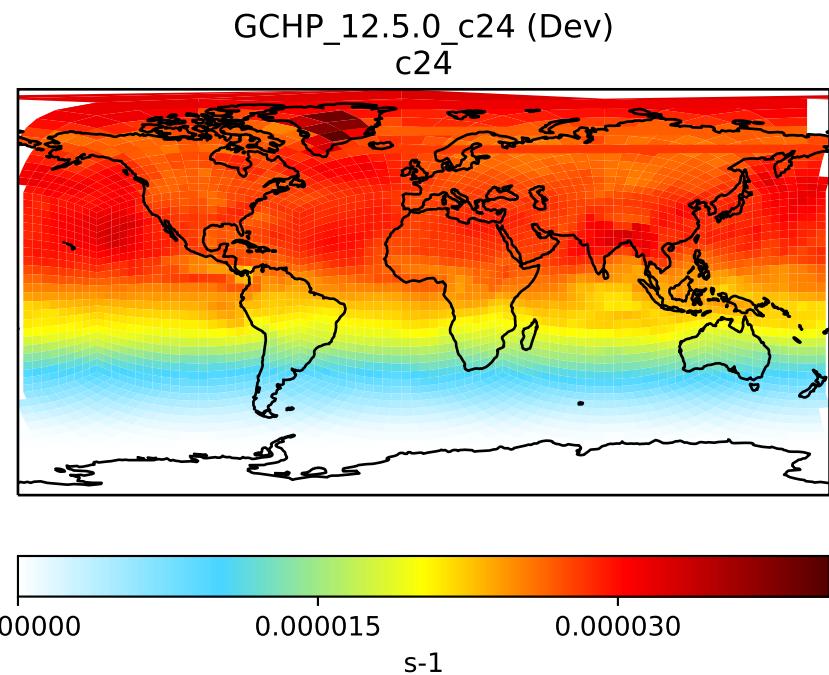
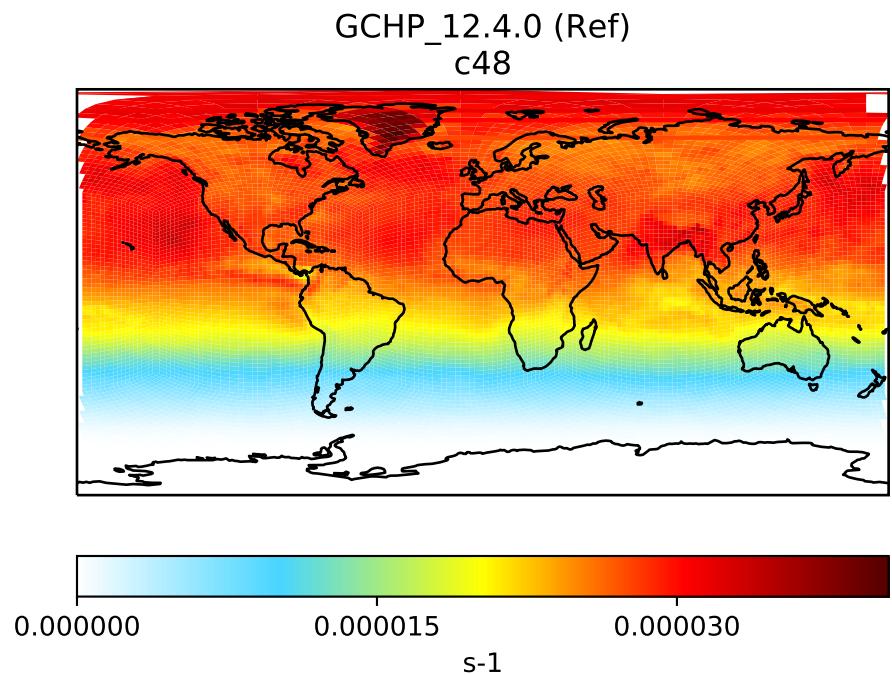
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



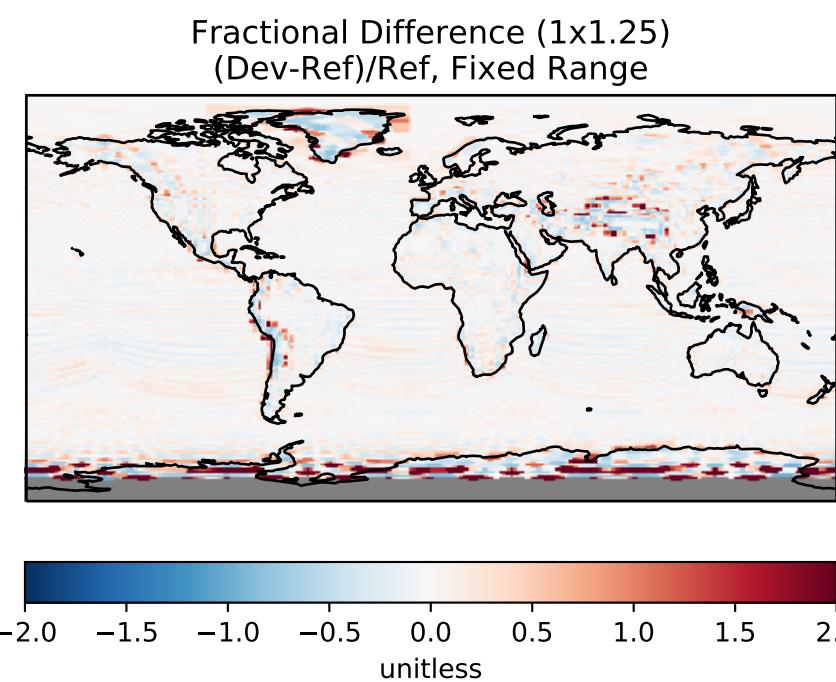
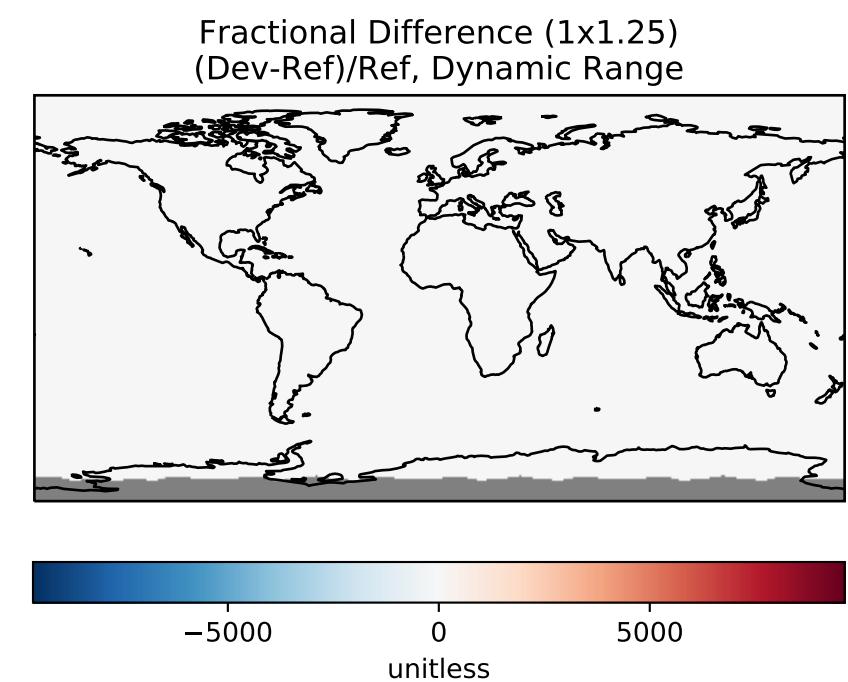
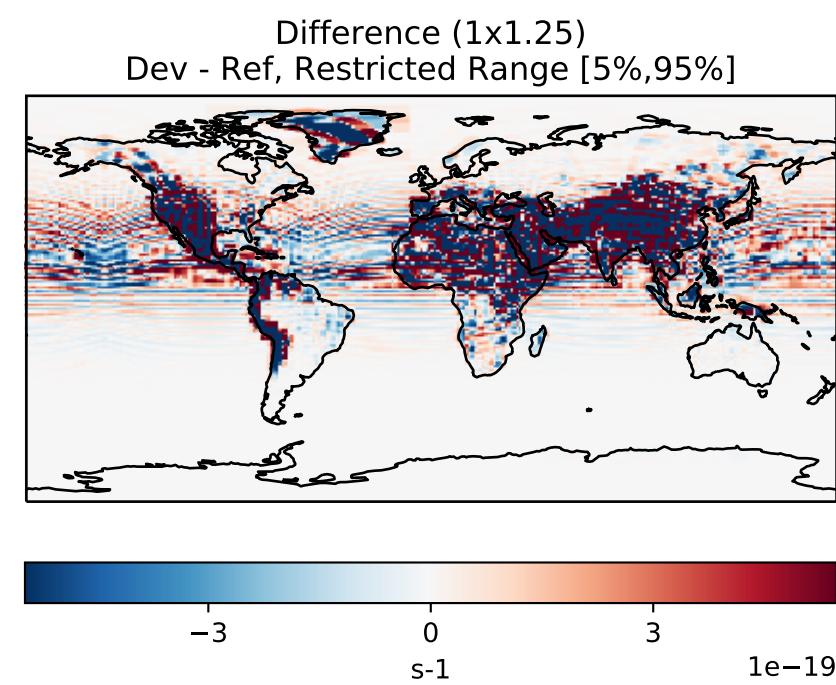
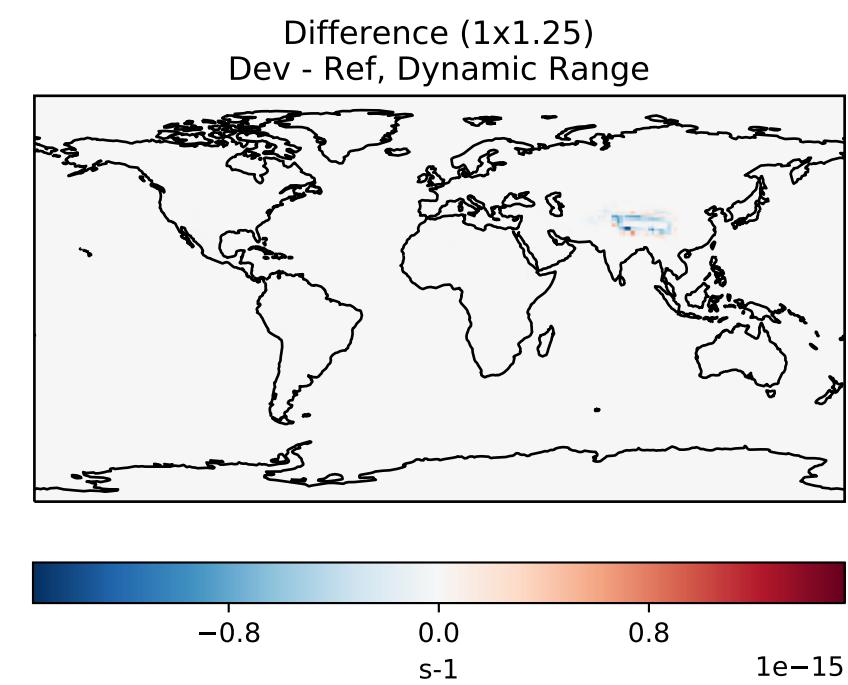
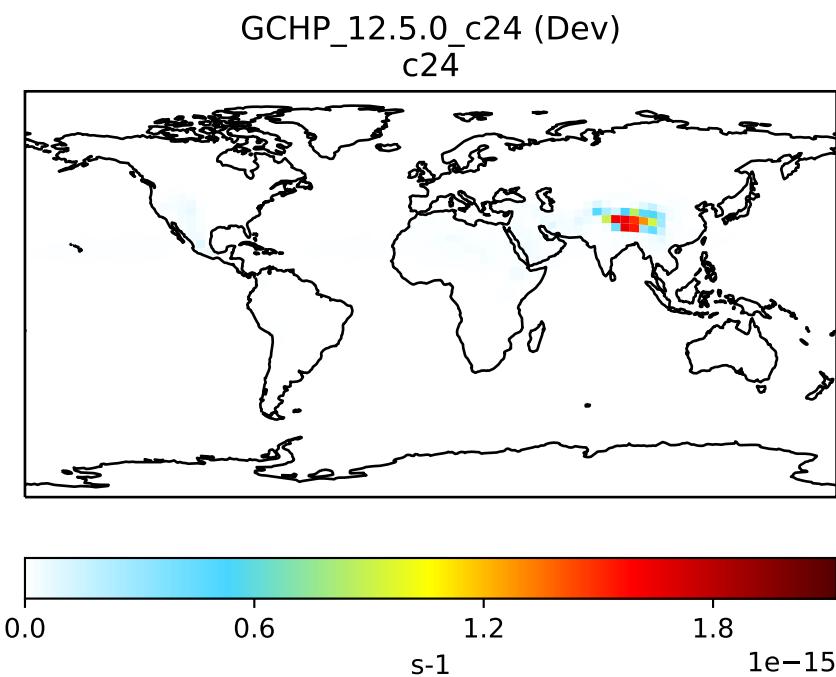
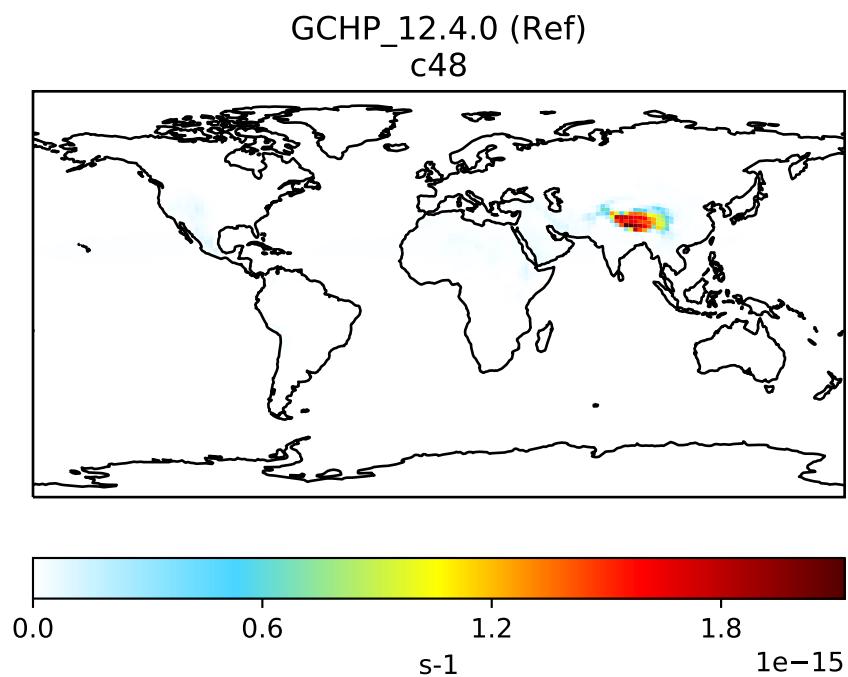
Jval_MVK



Jval_MVKN

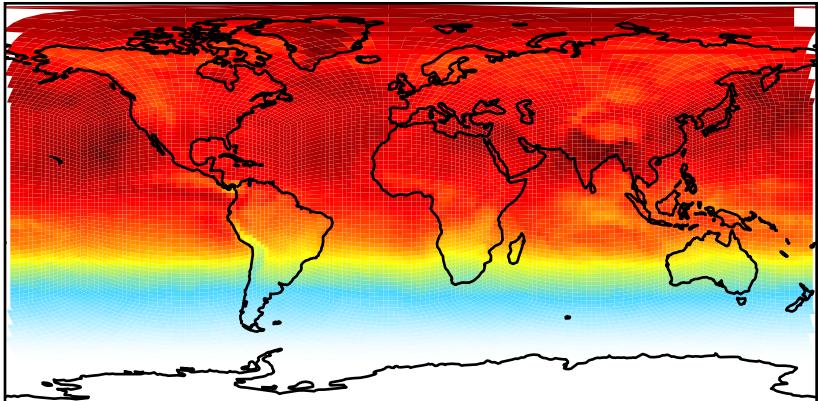


Jval_N20

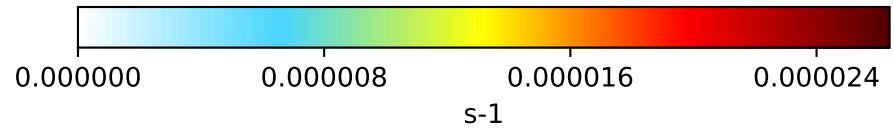
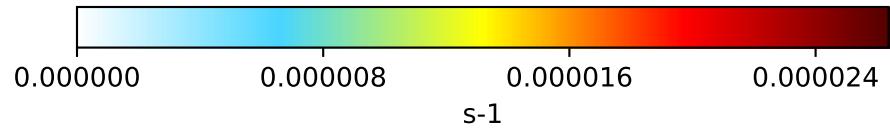
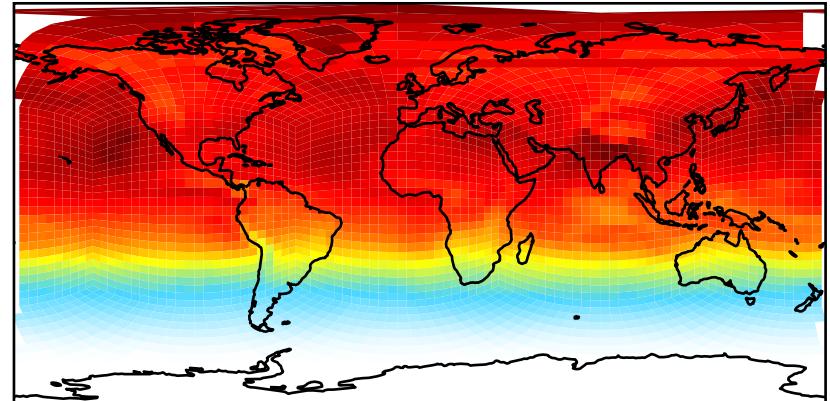


Jval_N205

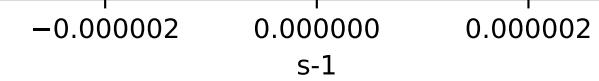
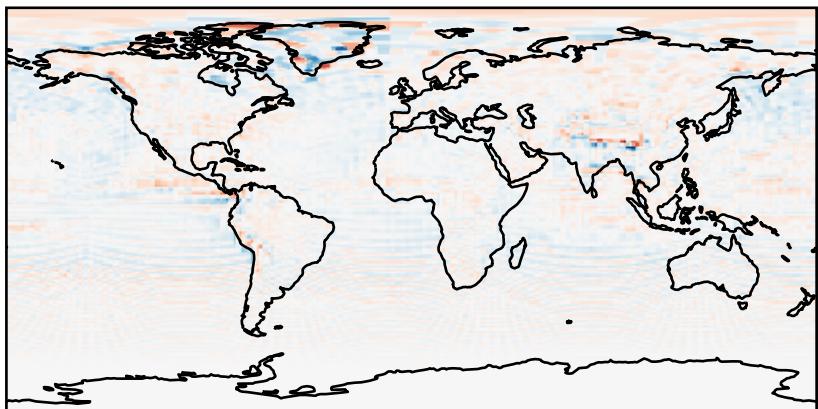
GCHP_12.4.0 (Ref)
c48



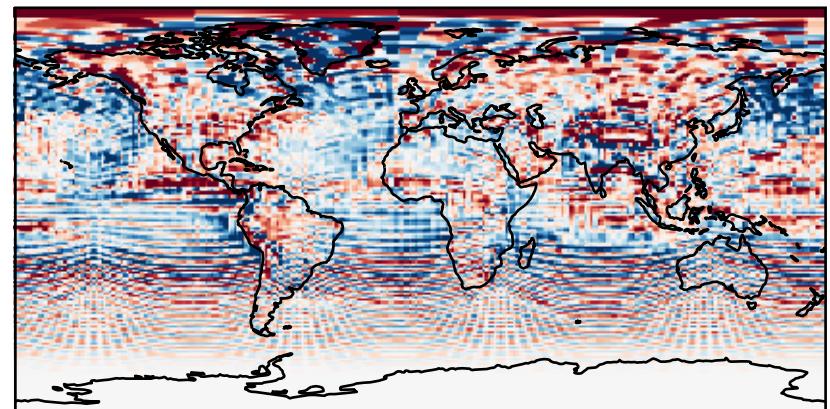
GCHP_12.5.0_c24 (Dev)
c24



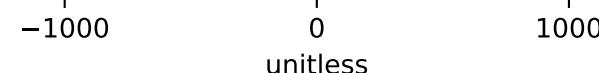
Difference (1x1.25)
Dev - Ref, Dynamic Range



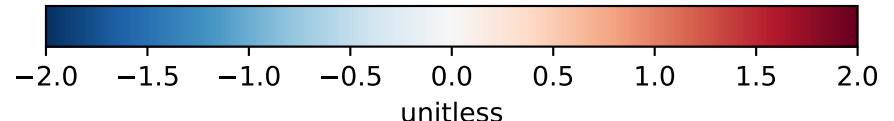
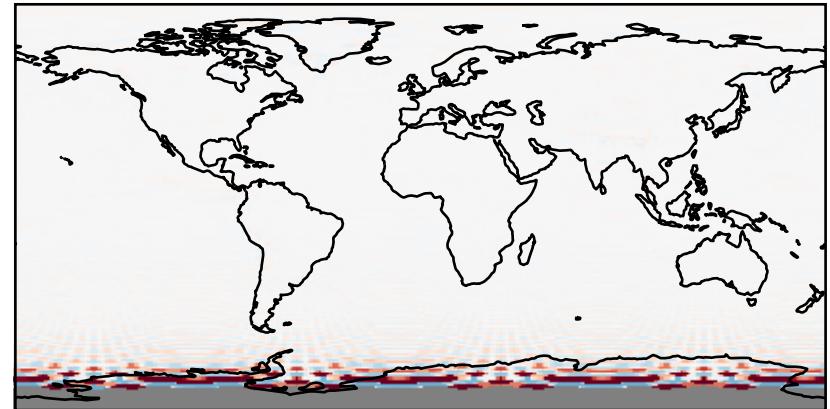
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



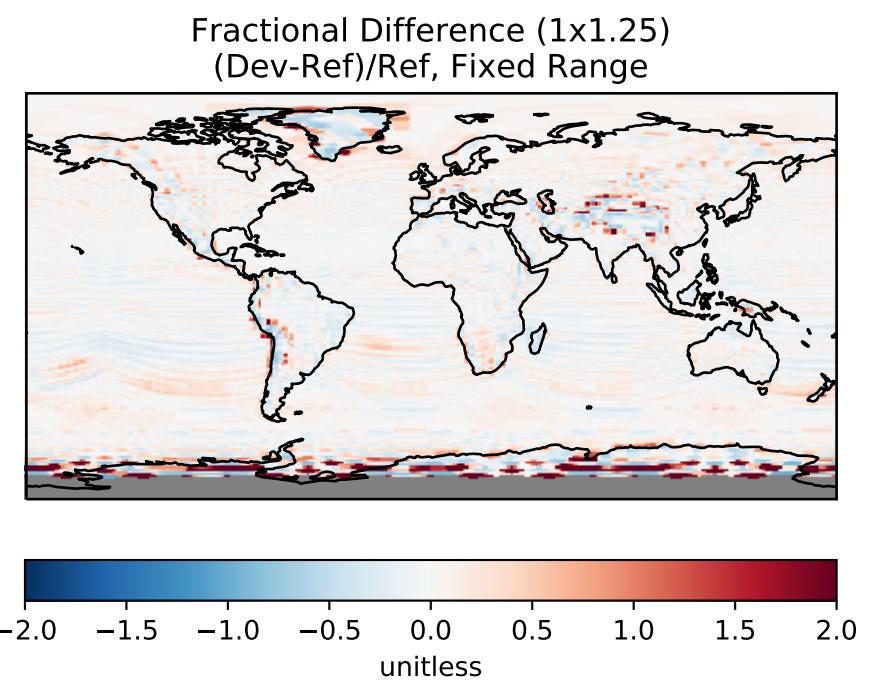
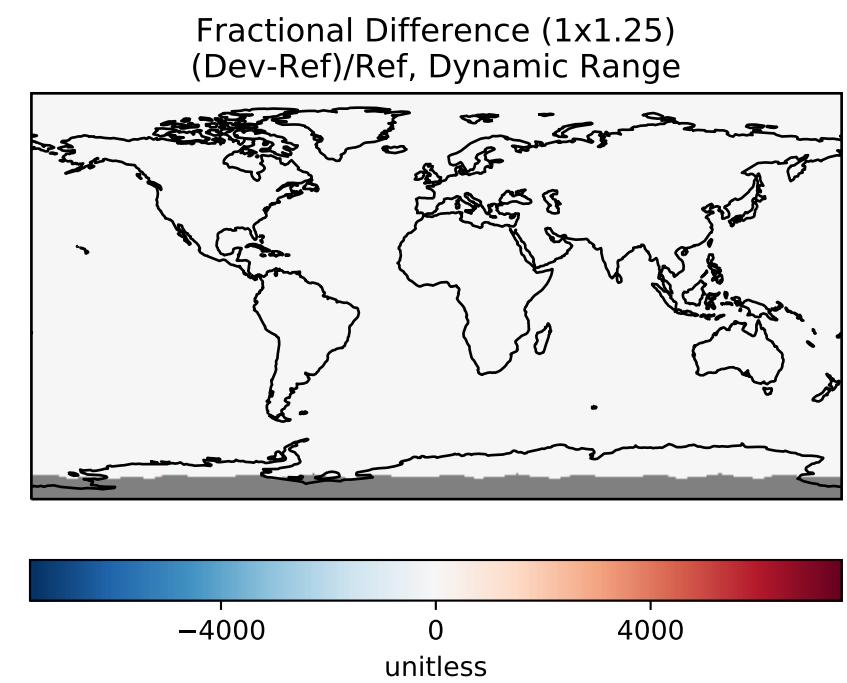
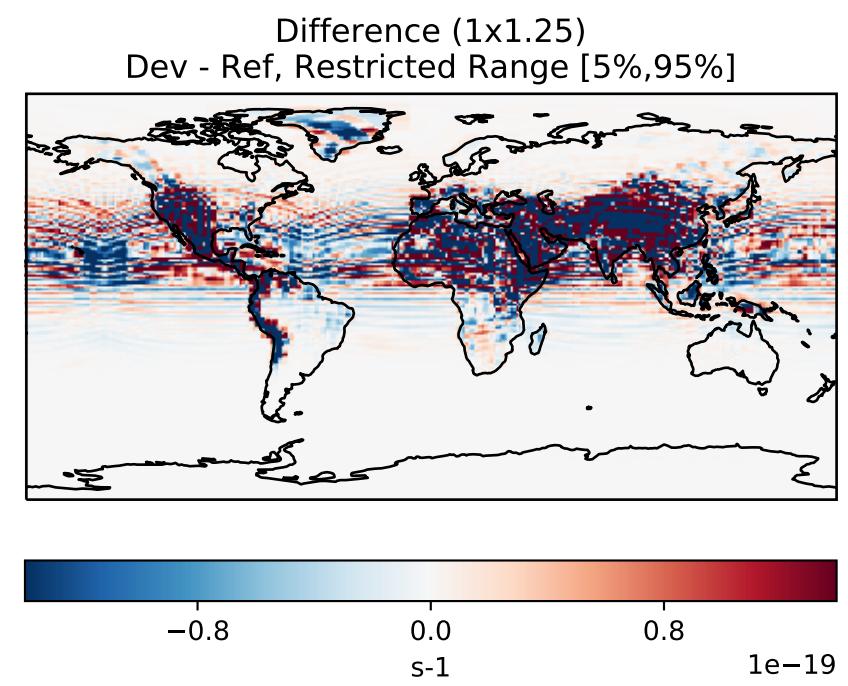
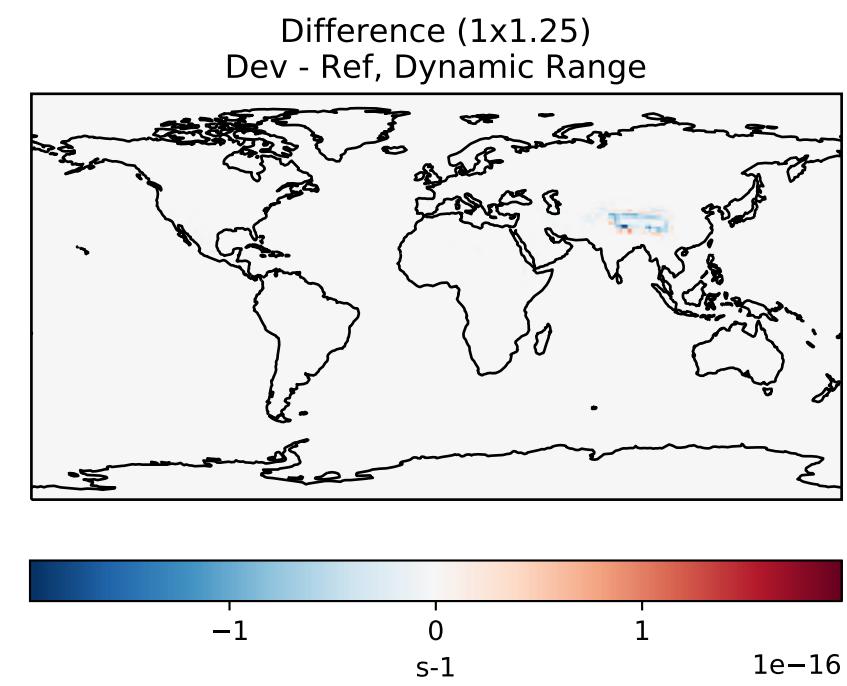
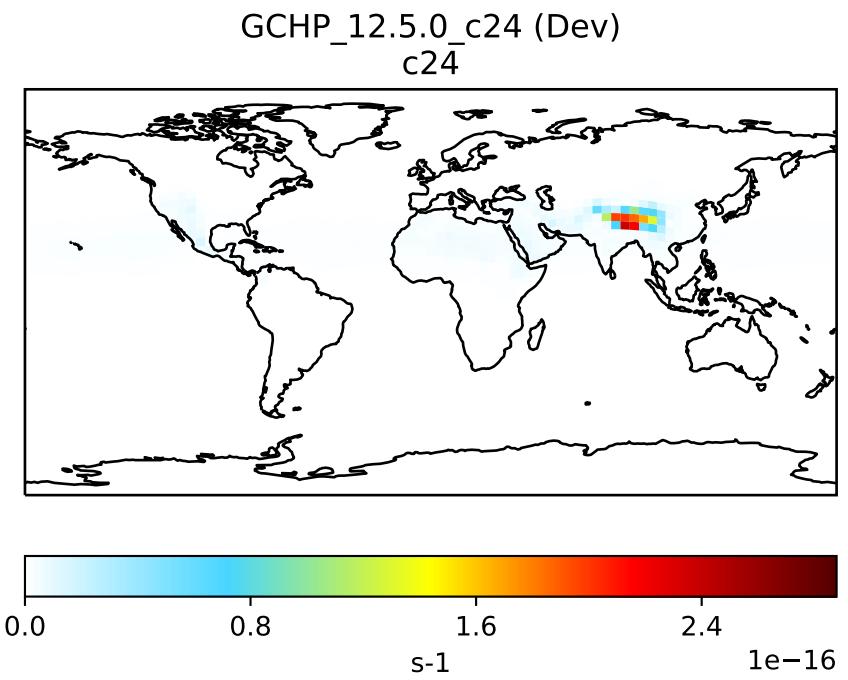
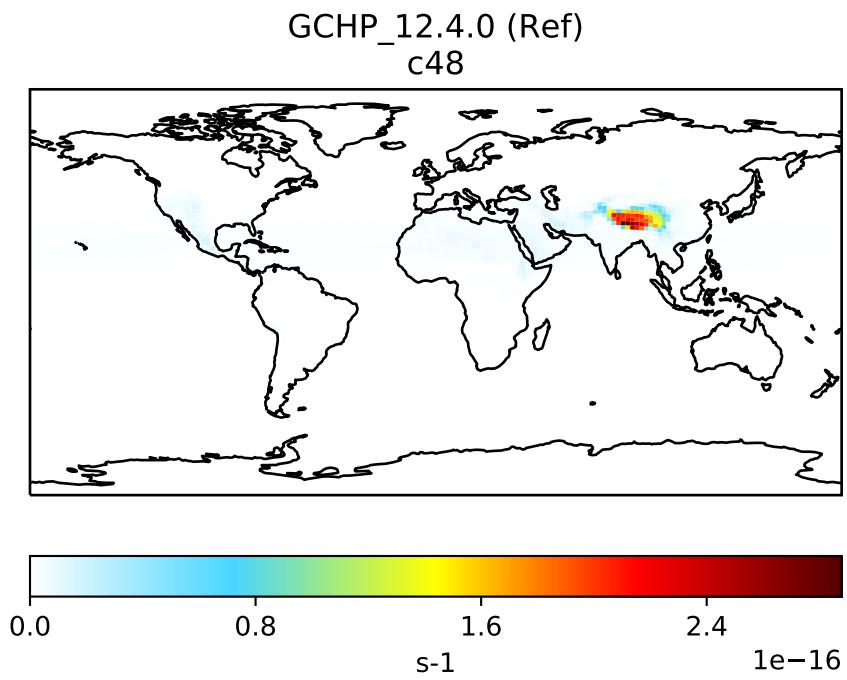
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



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

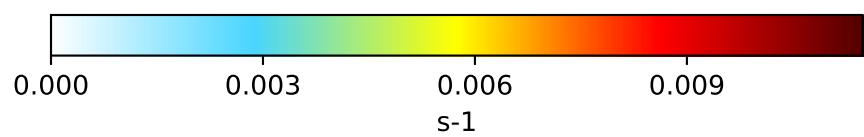
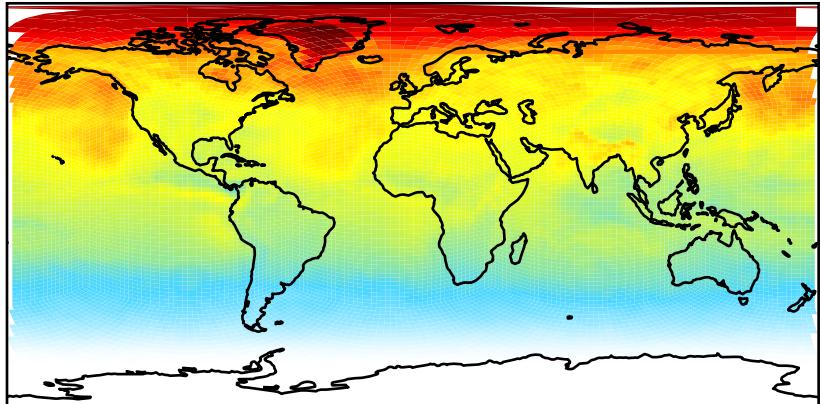


Jval_NO

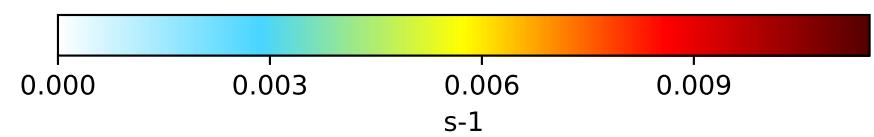
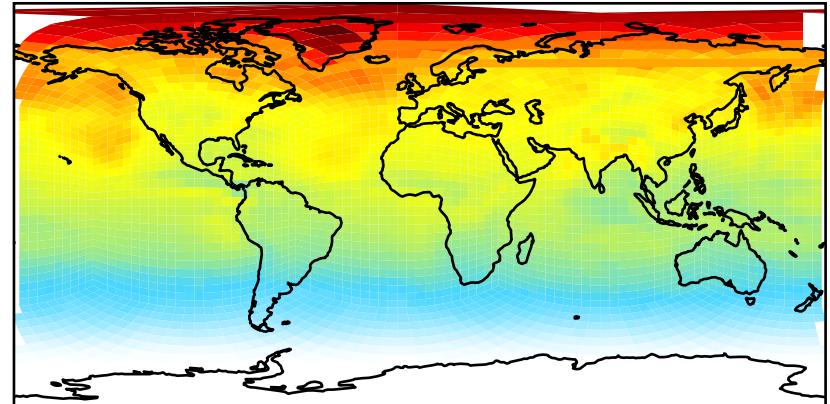


Jval_NO2

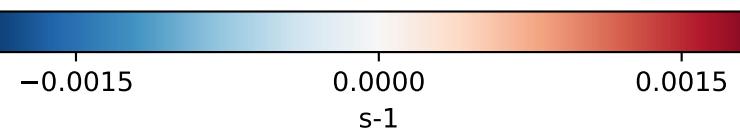
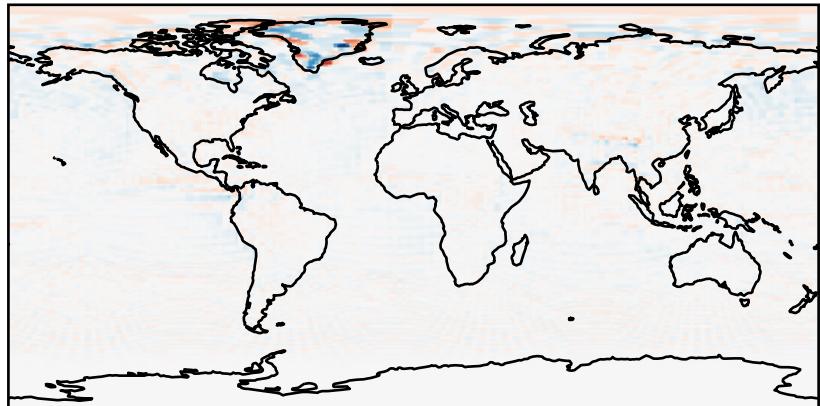
GCHP_12.4.0 (Ref)
c48



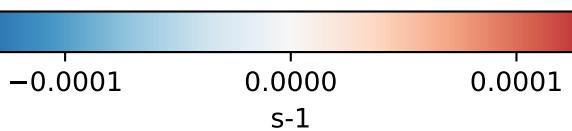
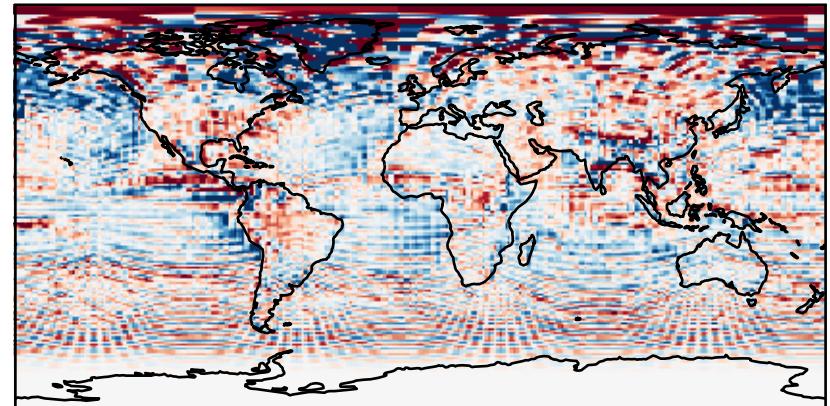
GCHP_12.5.0_c24 (Dev)
c24



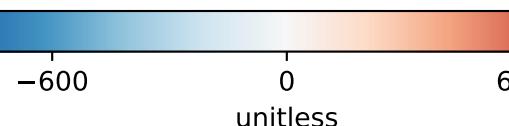
Difference (1x1.25)
Dev - Ref, Dynamic Range



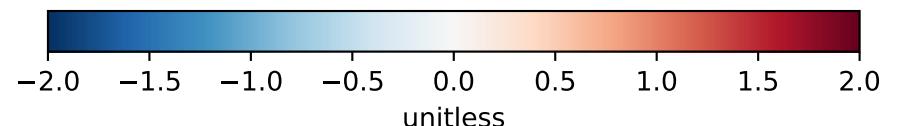
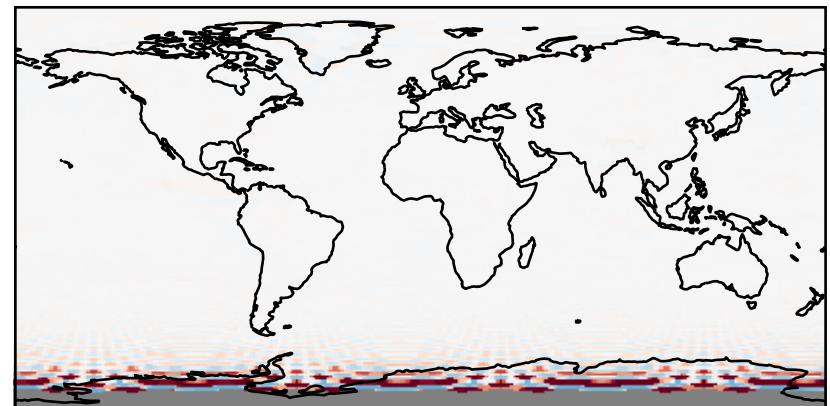
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

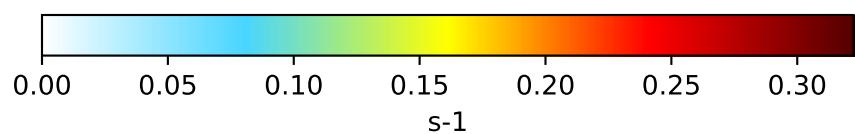
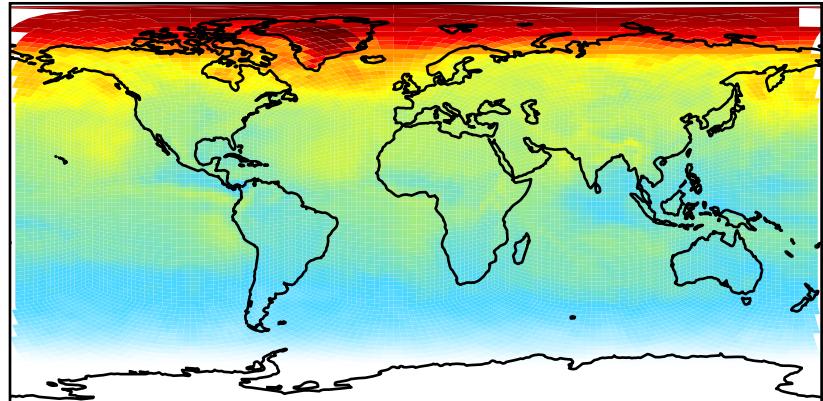


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

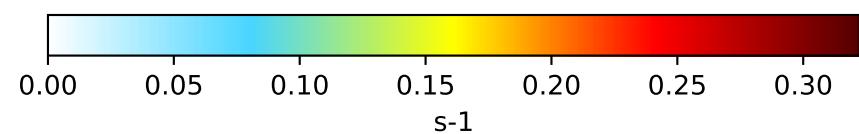
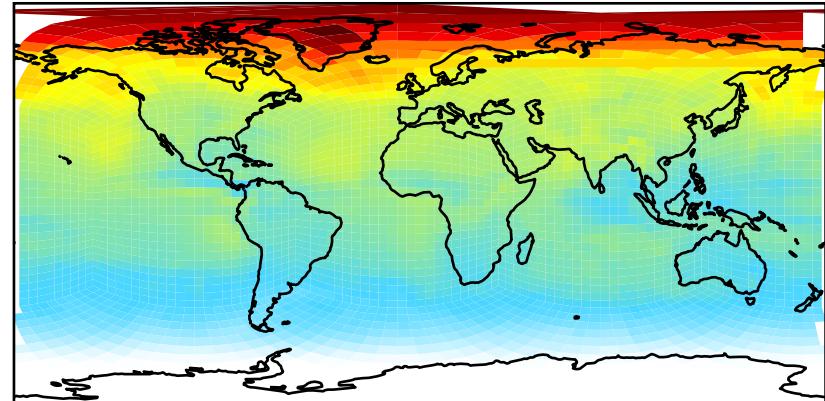


Jval_N03

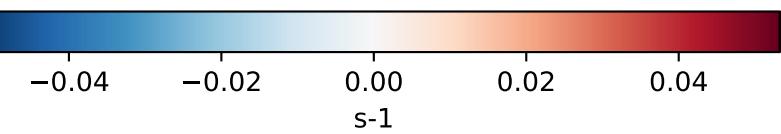
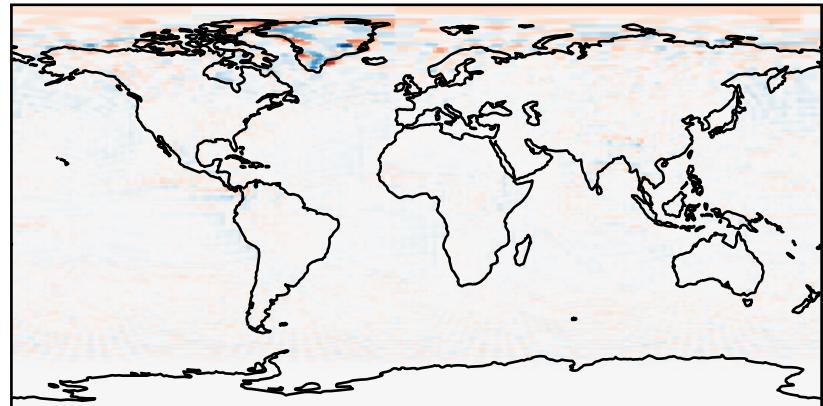
GCHP_12.4.0 (Ref)
c48



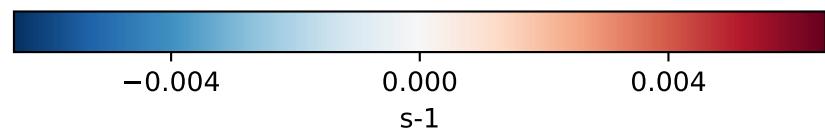
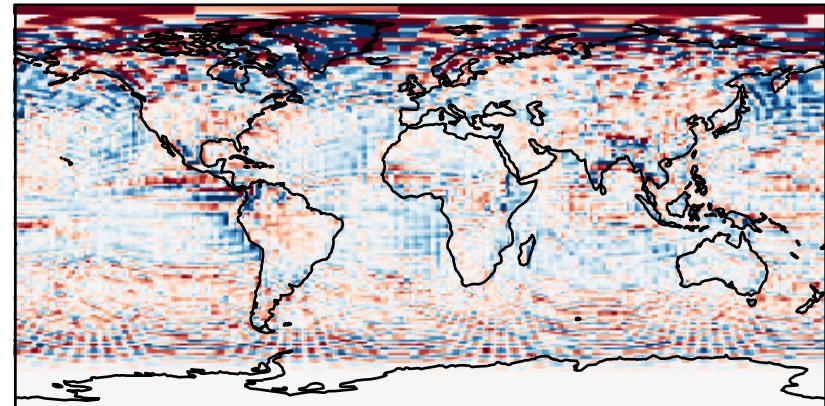
GCHP_12.5.0_c24 (Dev)
c24



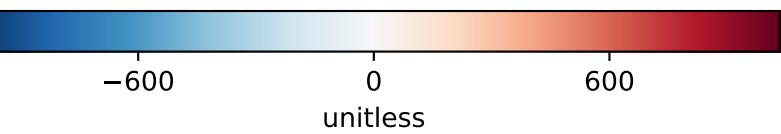
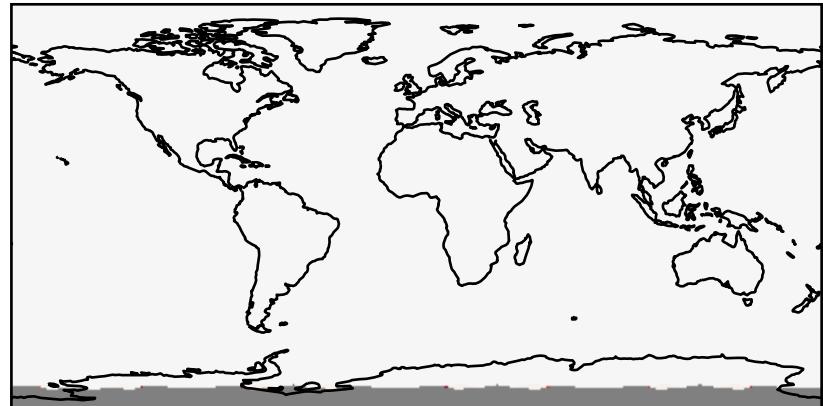
Difference (1x1.25)
Dev - Ref, Dynamic Range



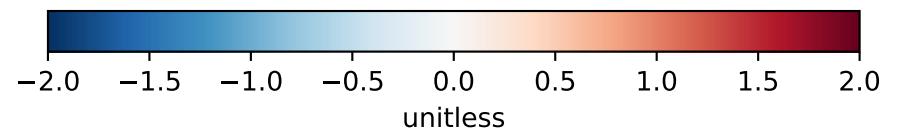
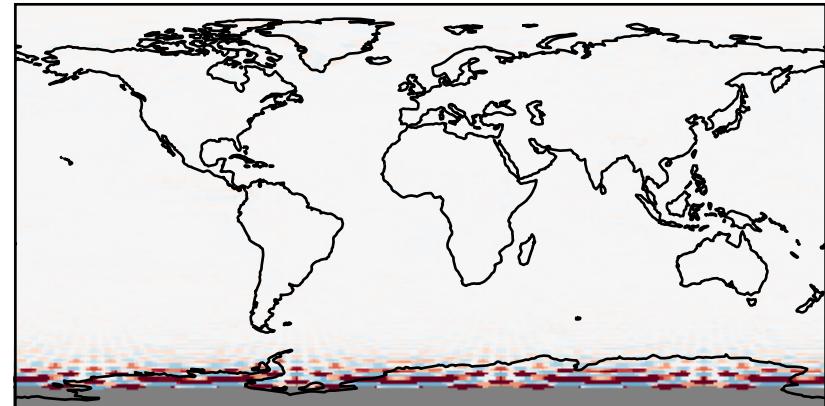
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



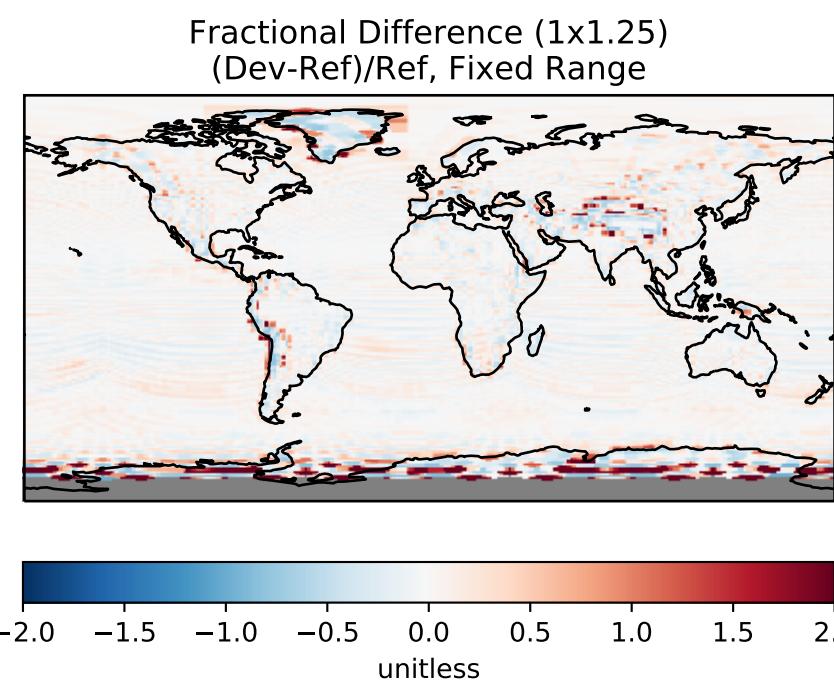
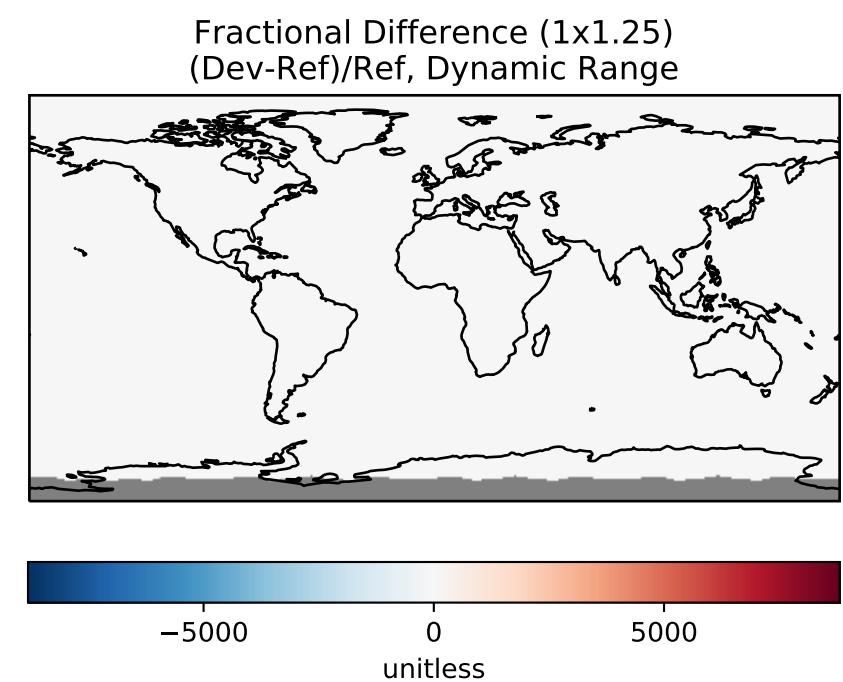
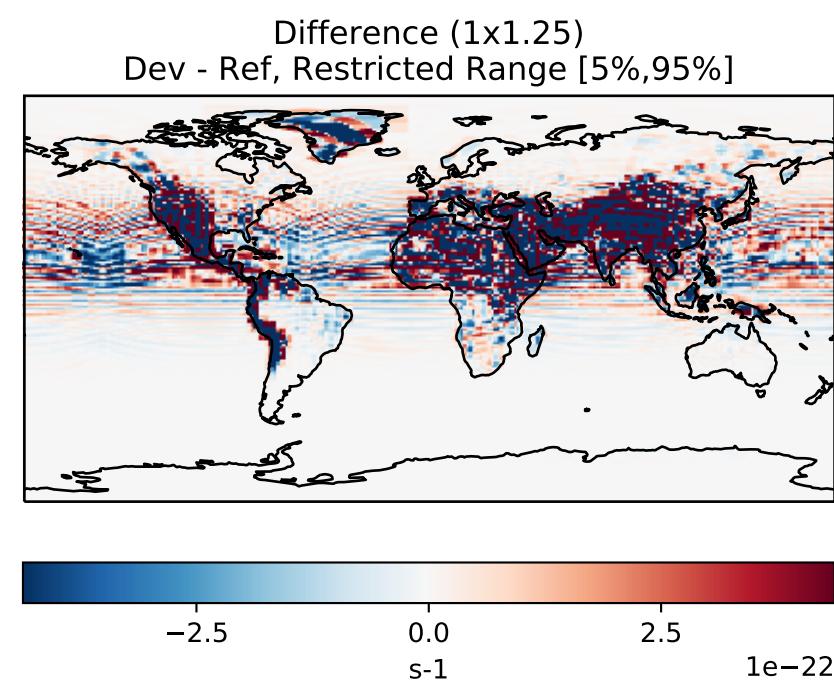
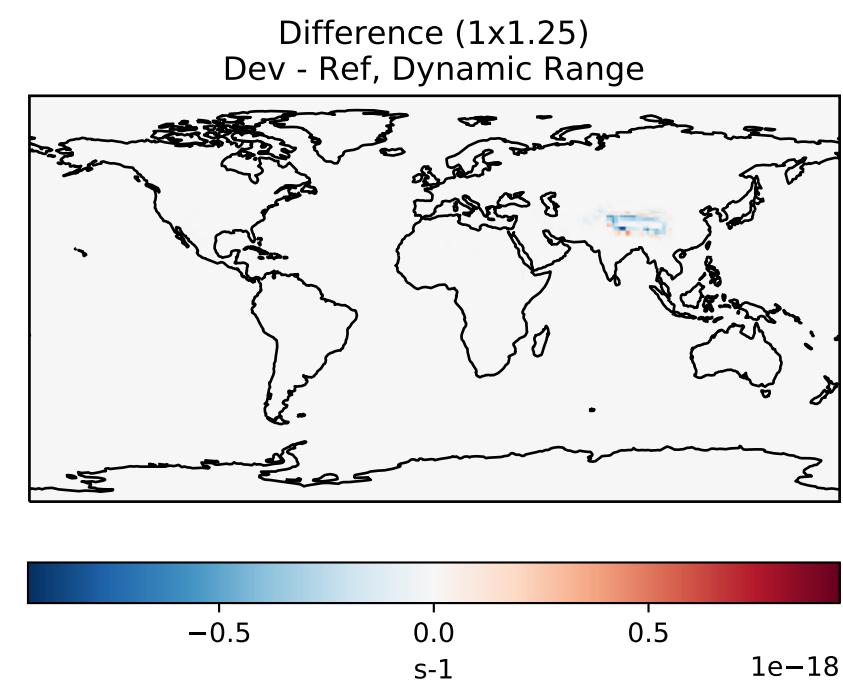
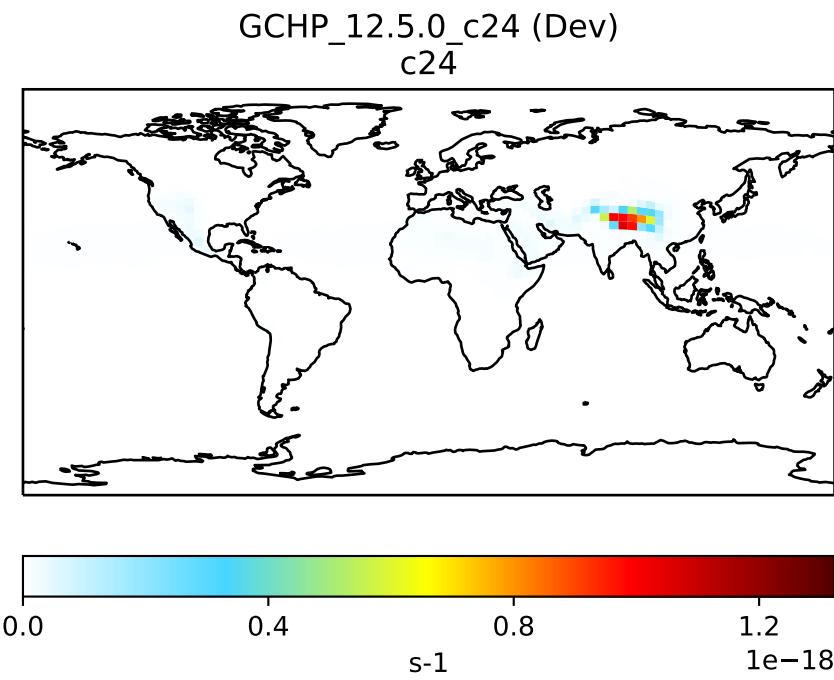
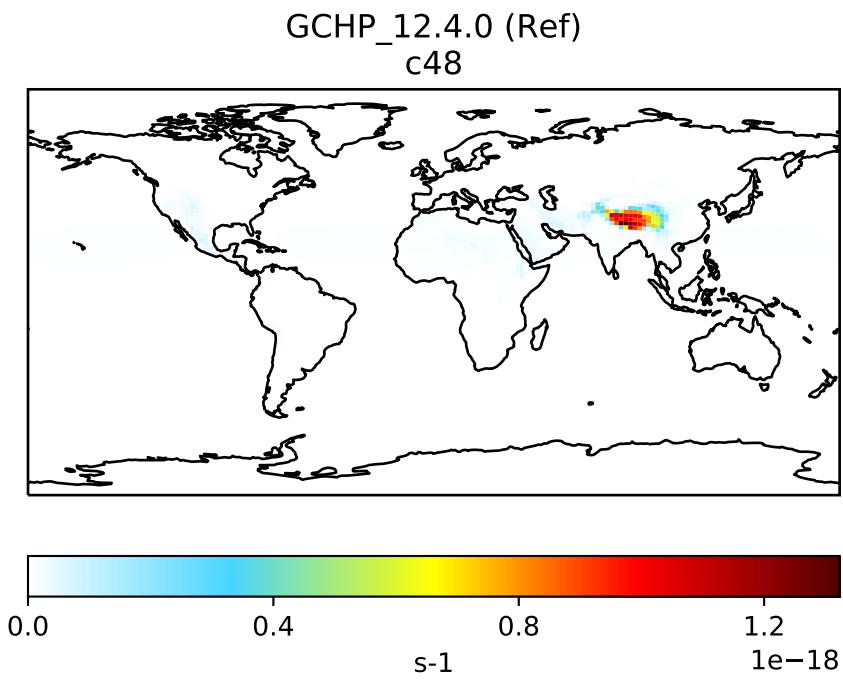
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



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



Jval_O2



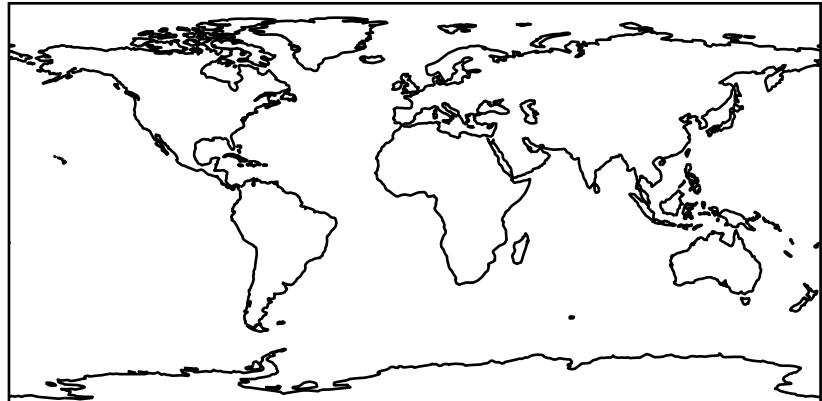
Jval_O3

GCHP_12.4.0 (Ref)
c48



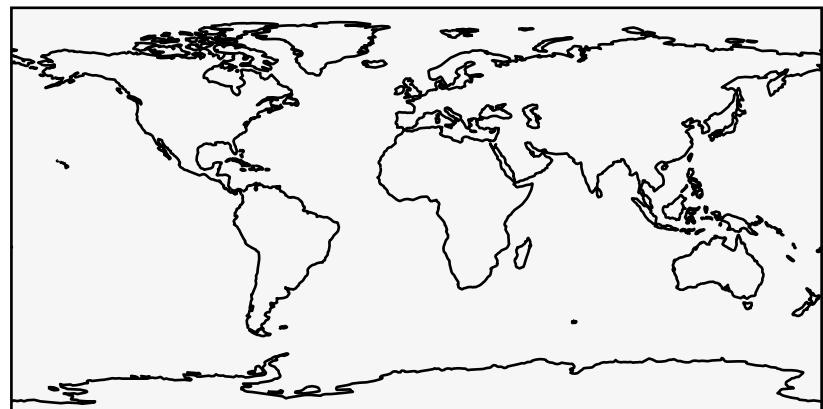
Zero throughout domain
s-1

GCHP_12.5.0_c24 (Dev)
c24



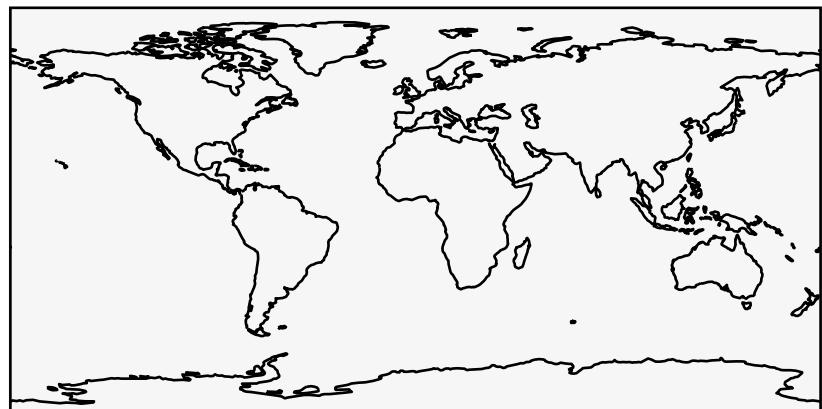
Zero throughout domain
s-1

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



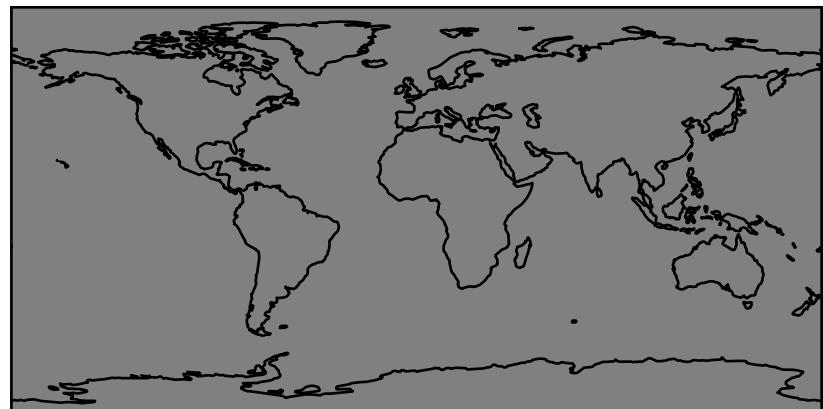
Zero throughout domain
s-1

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



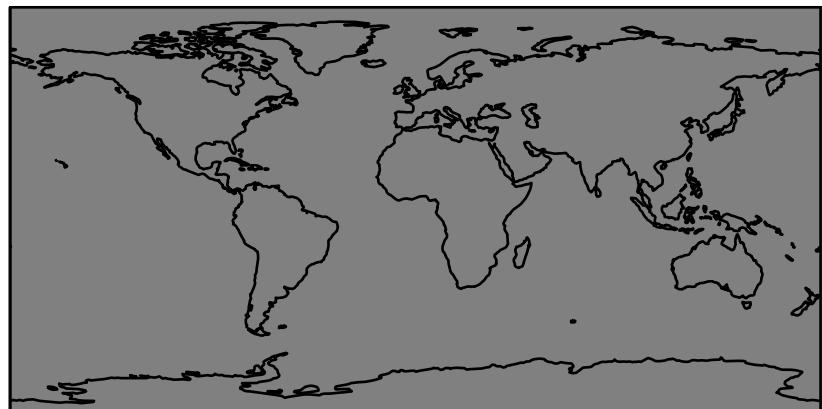
Zero throughout domain
s-1

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



Undefined throughout domain
unitless

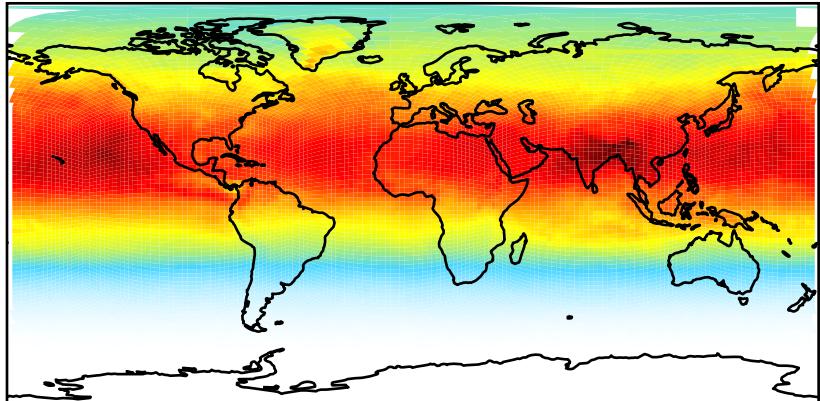
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



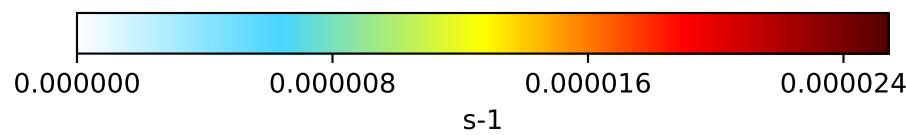
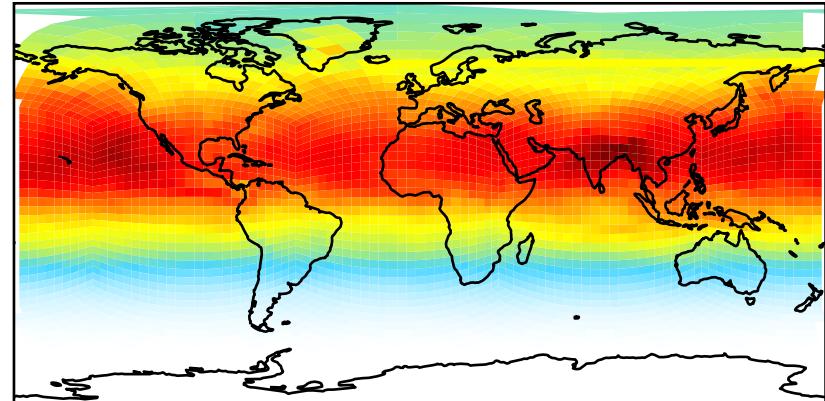
Undefined throughout domain
unitless

Jval_0301D

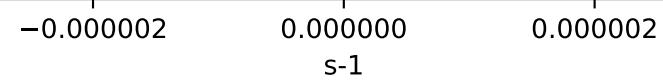
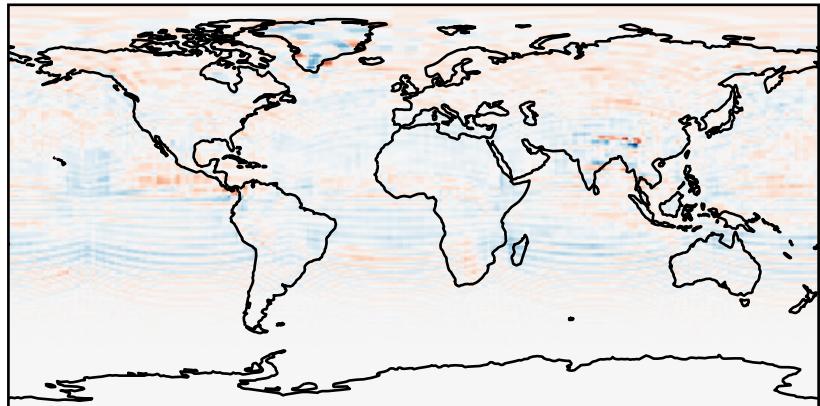
GCHP_12.4.0 (Ref)
c48



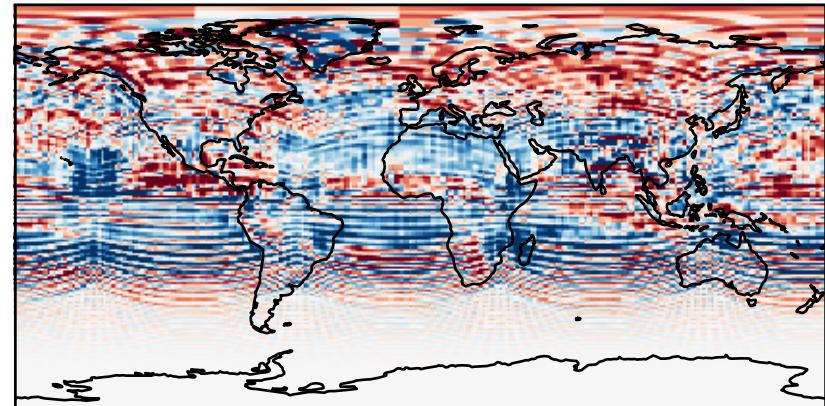
GCHP_12.5.0_c24 (Dev)
c24



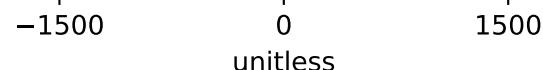
Difference (1x1.25)
Dev - Ref, Dynamic Range



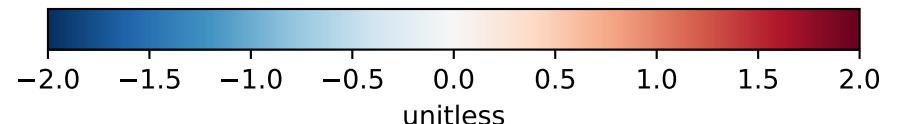
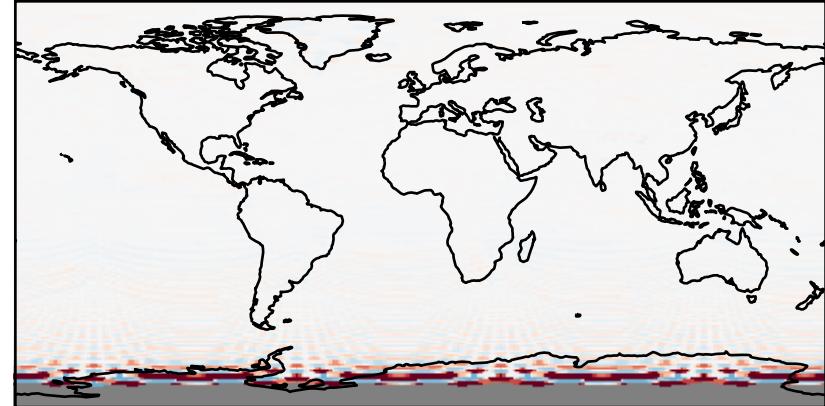
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

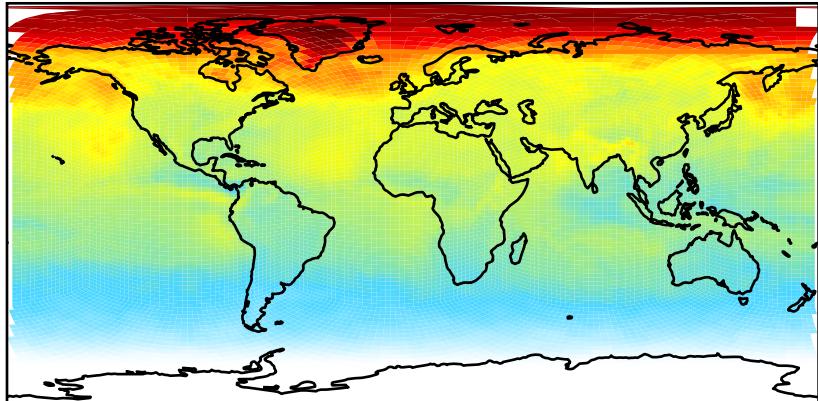


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

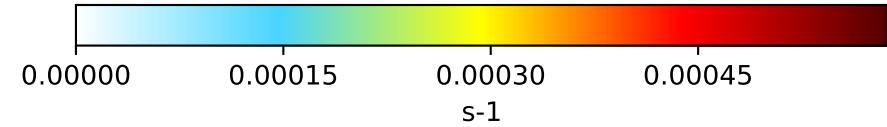
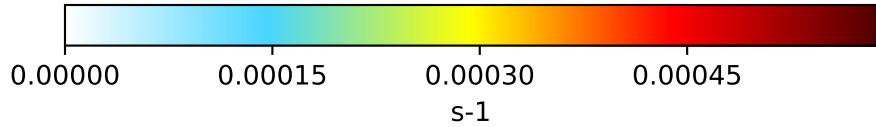
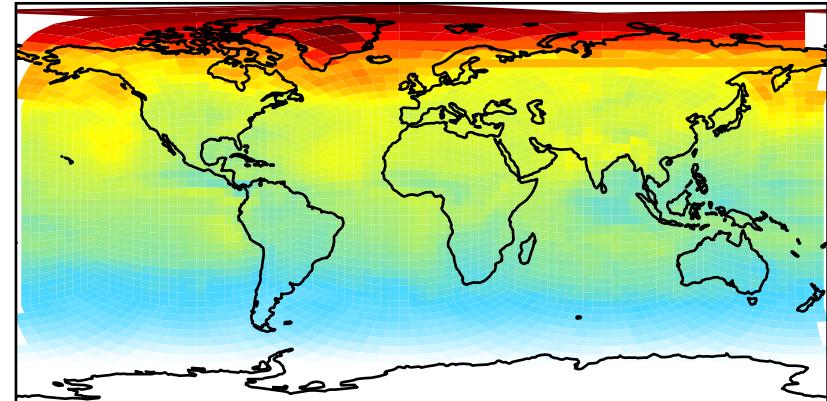


Jval_0303P

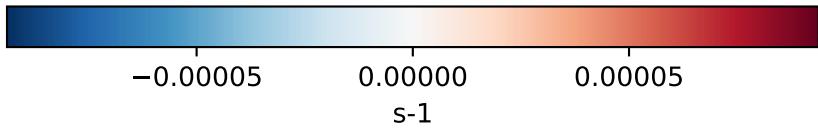
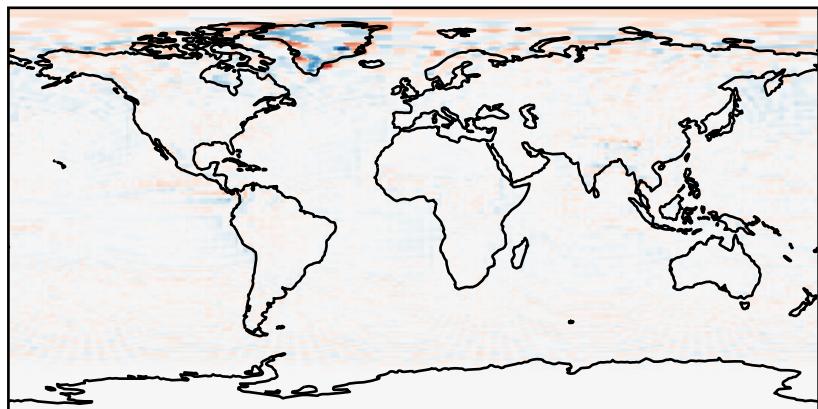
GCHP_12.4.0 (Ref)
c48



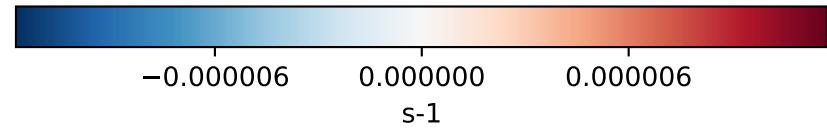
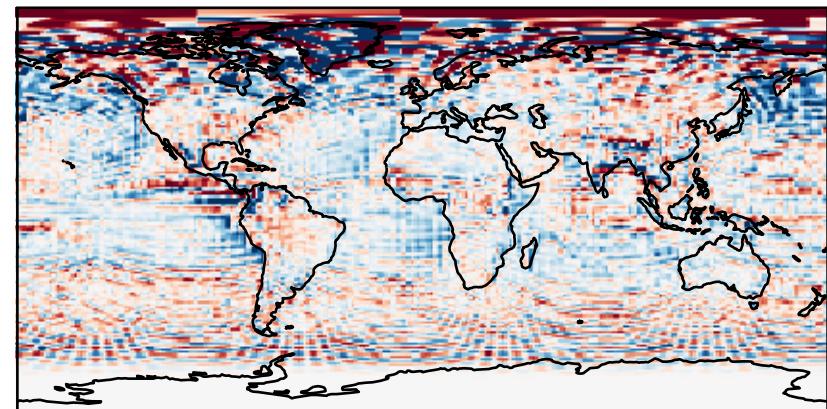
GCHP_12.5.0_c24 (Dev)
c24



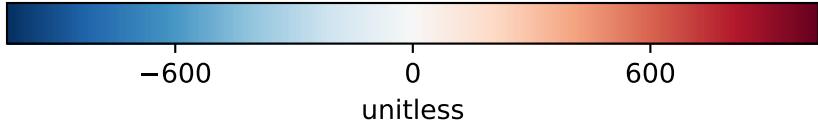
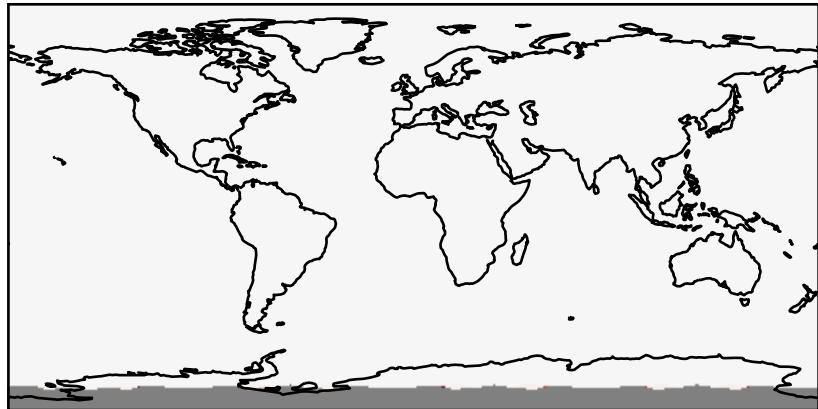
Difference (1x1.25)
Dev - Ref, Dynamic Range



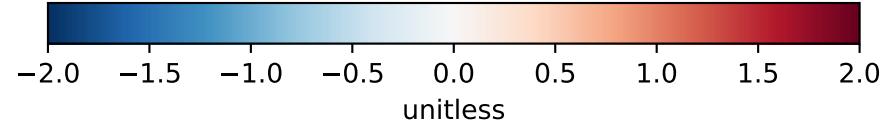
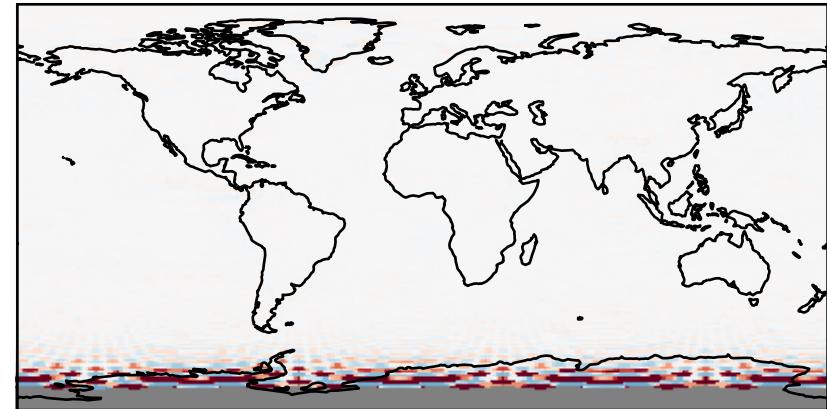
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



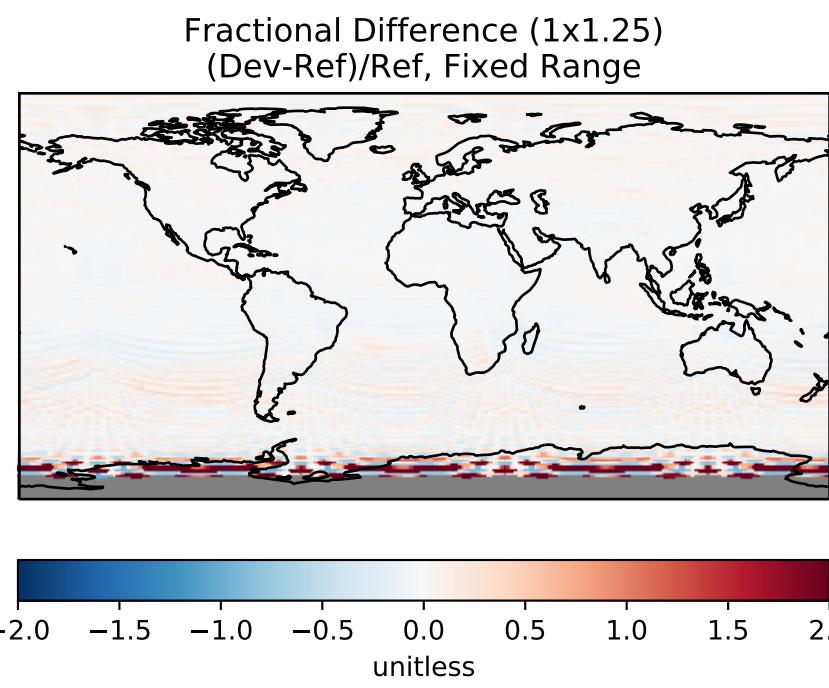
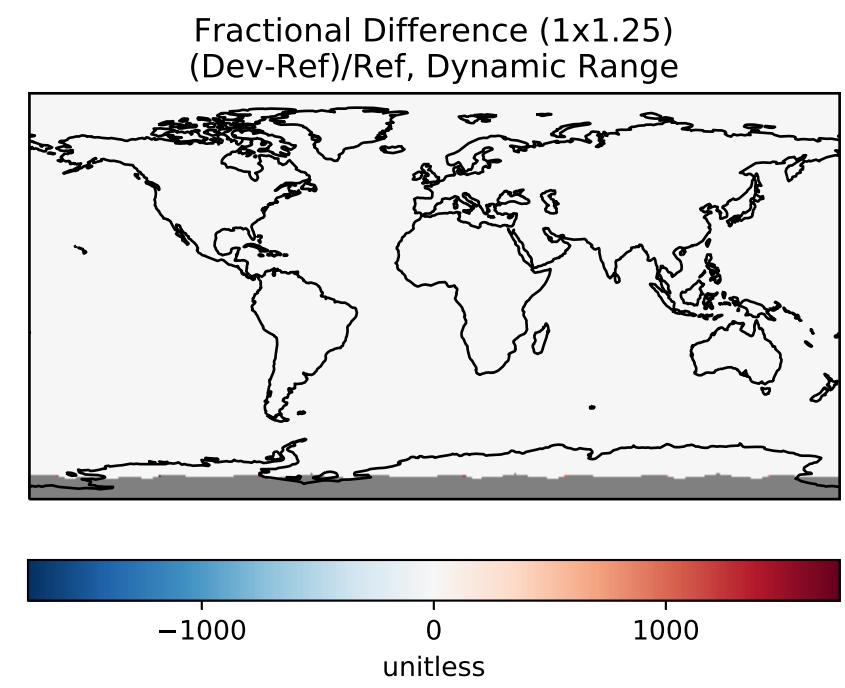
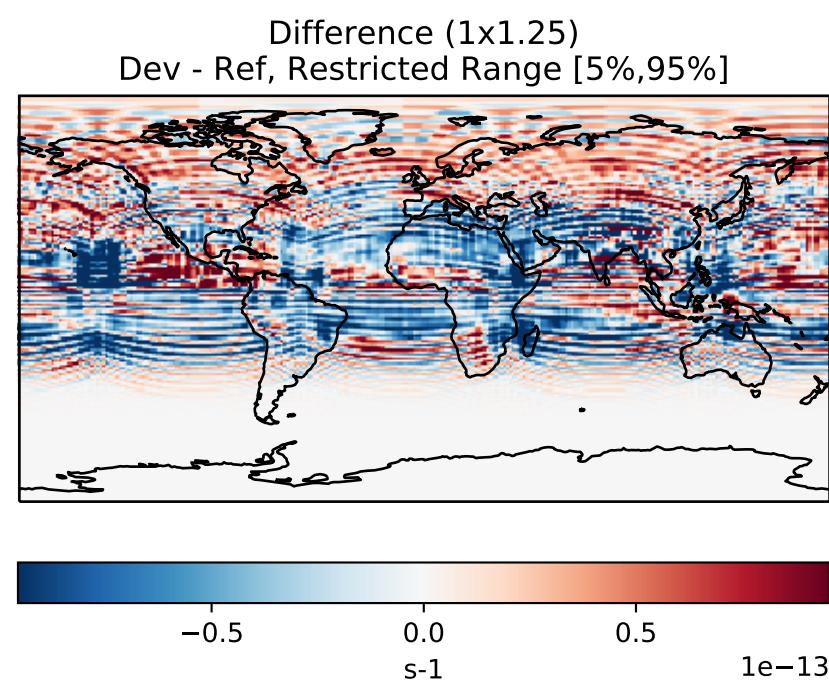
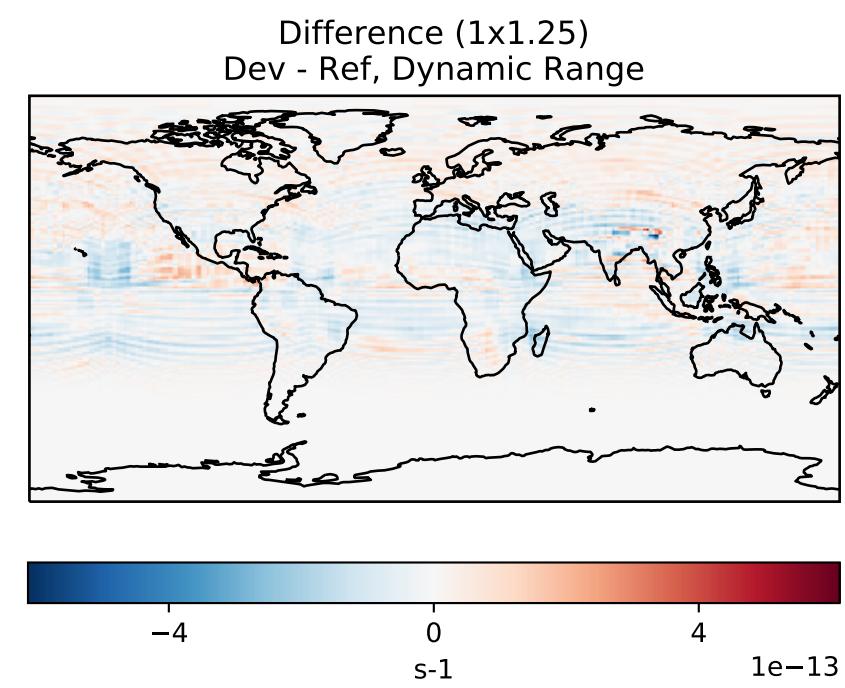
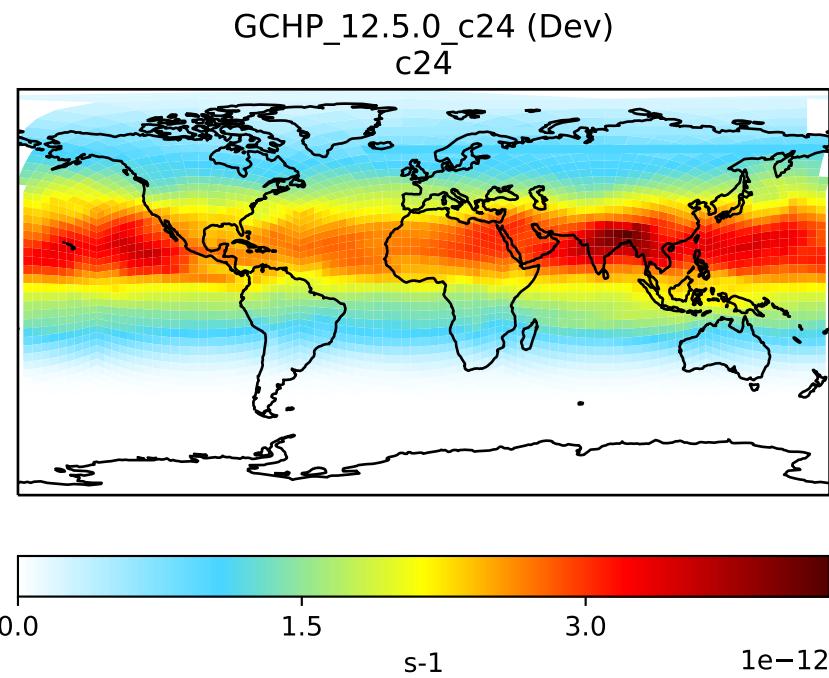
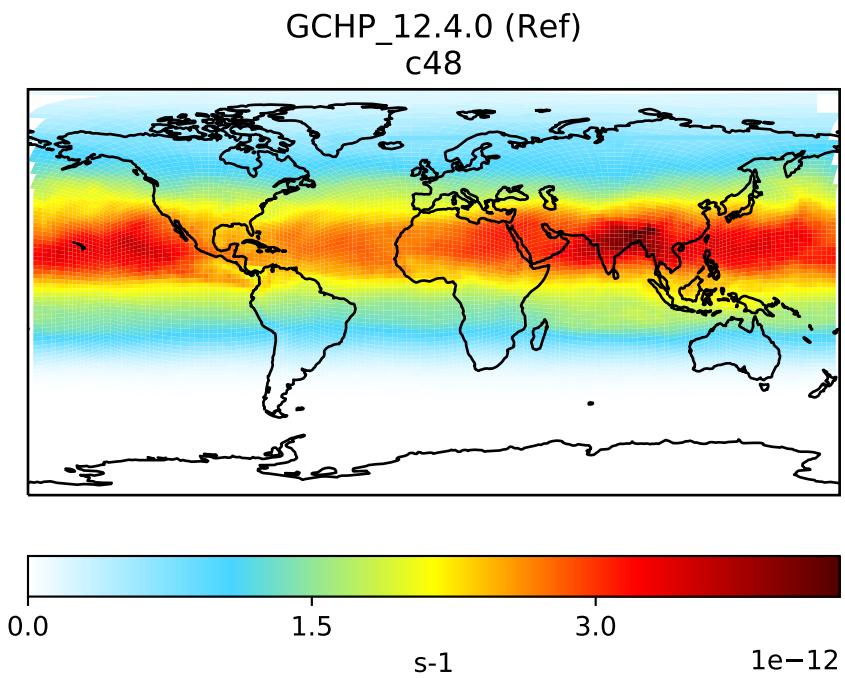
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



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

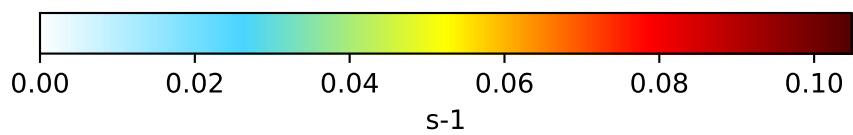
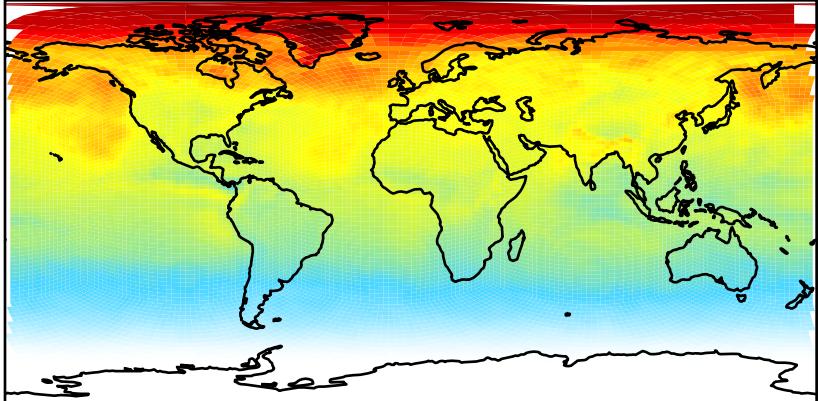


Jval_OCS

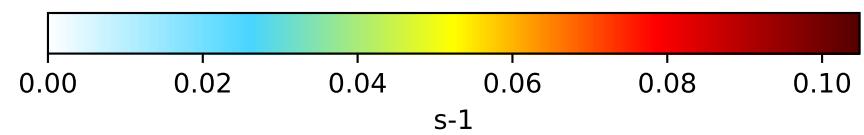
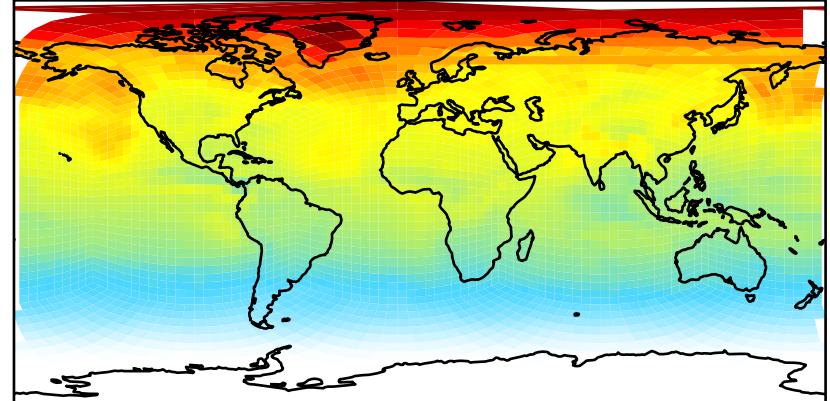


Jval_OCIO

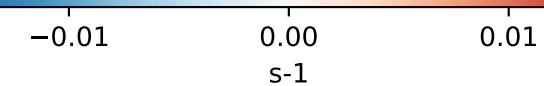
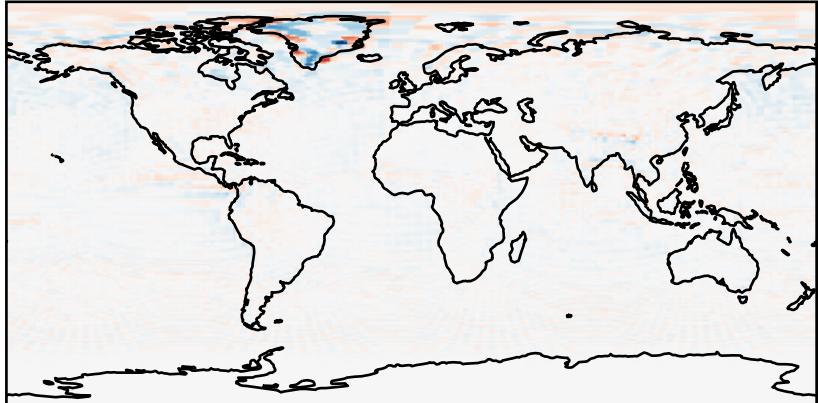
GCHP_12.4.0 (Ref)
c48



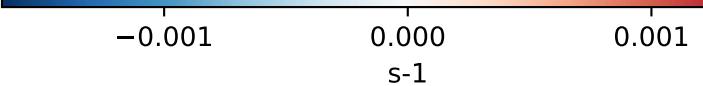
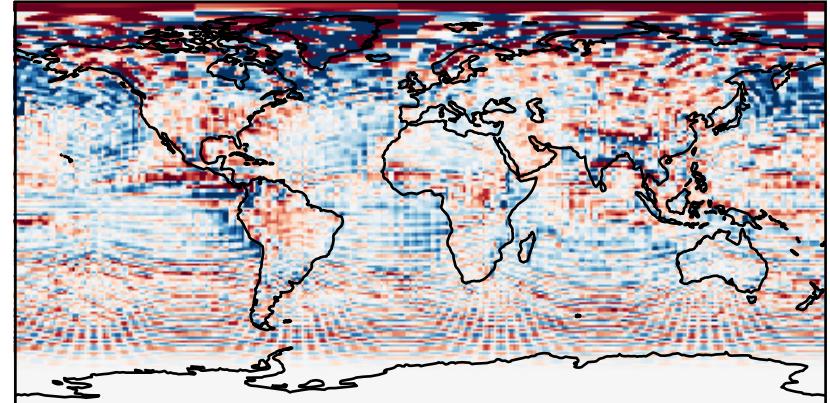
GCHP_12.5.0_c24 (Dev)
c24



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



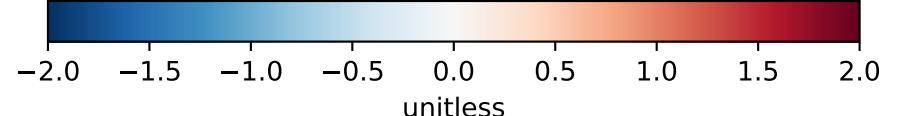
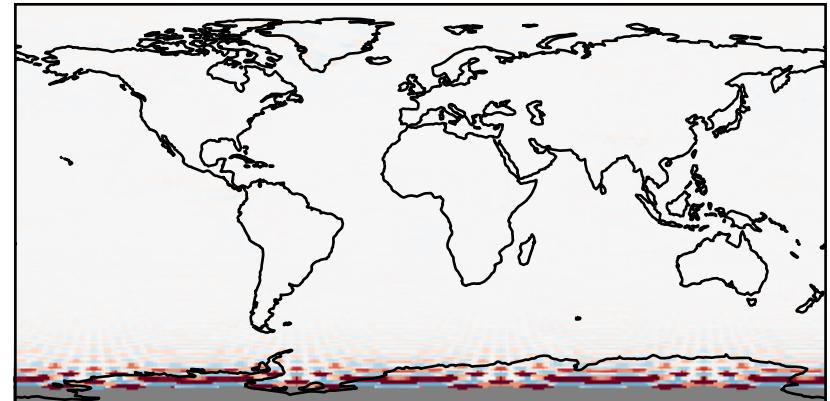
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

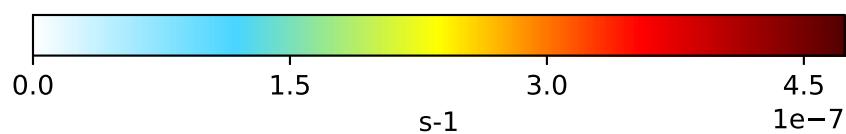
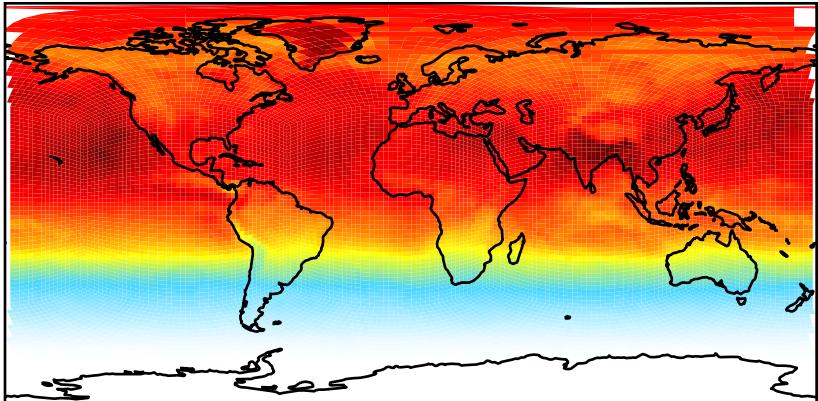


Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range

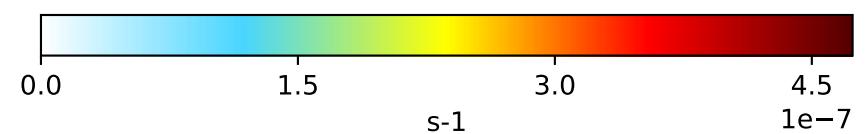
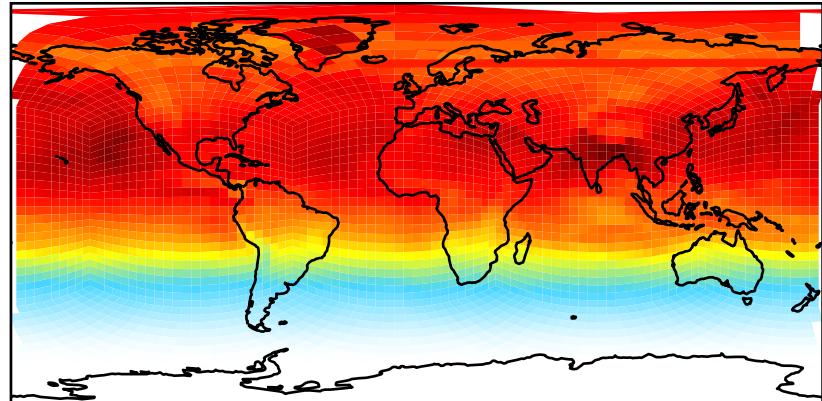


Jval_PAN

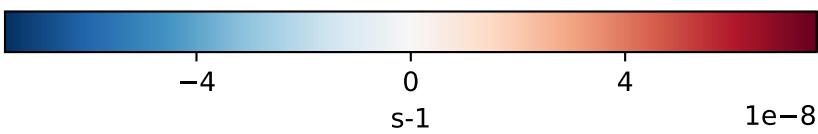
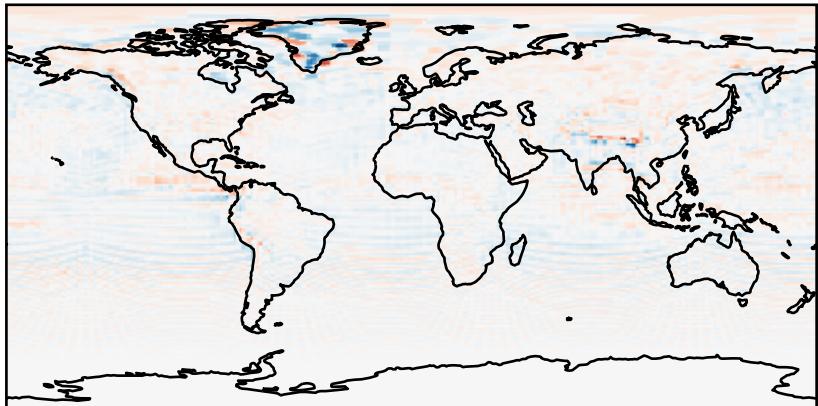
GCHP_12.4.0 (Ref)
c48



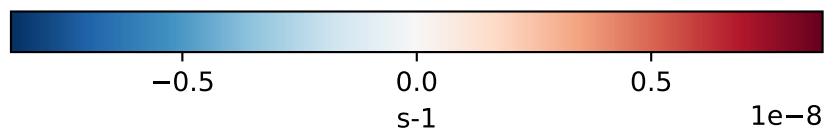
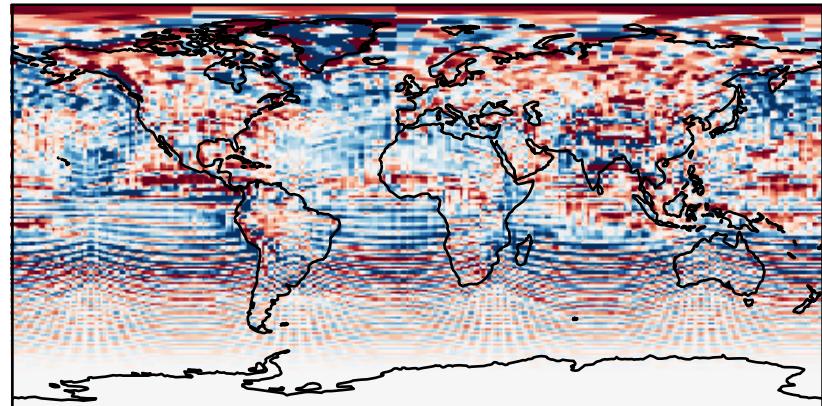
GCHP_12.5.0_c24 (Dev)
c24



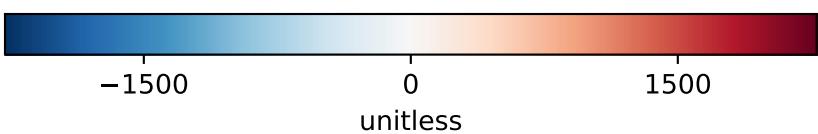
Difference (1x1.25)
Dev - Ref, Dynamic Range



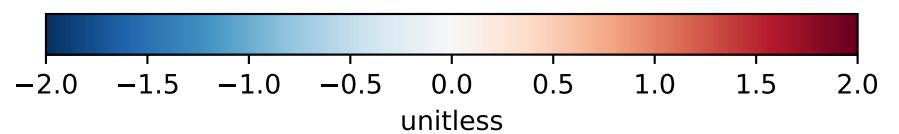
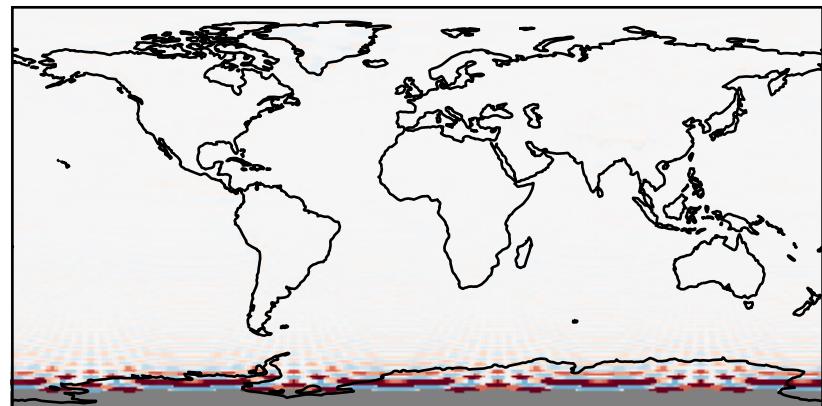
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



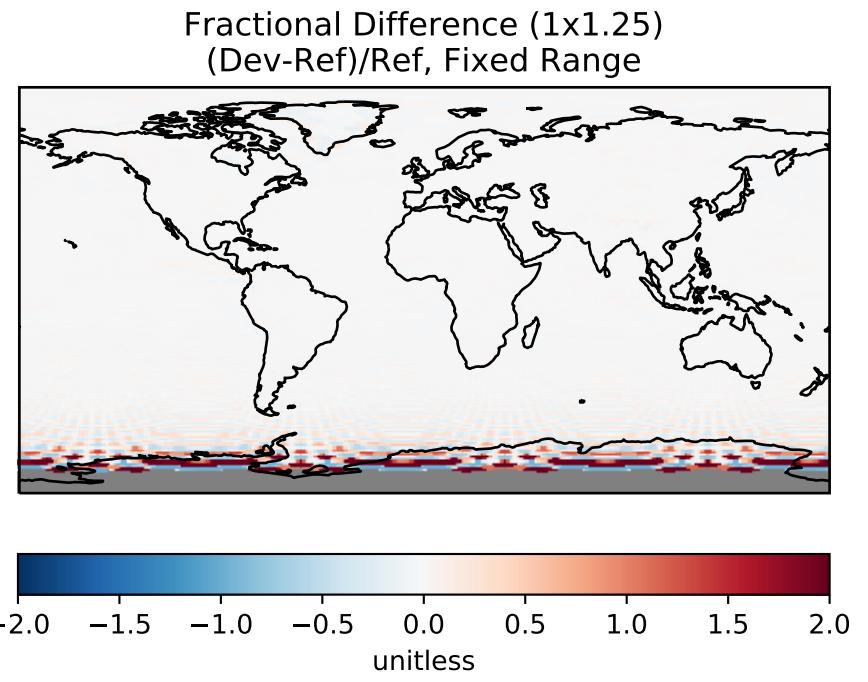
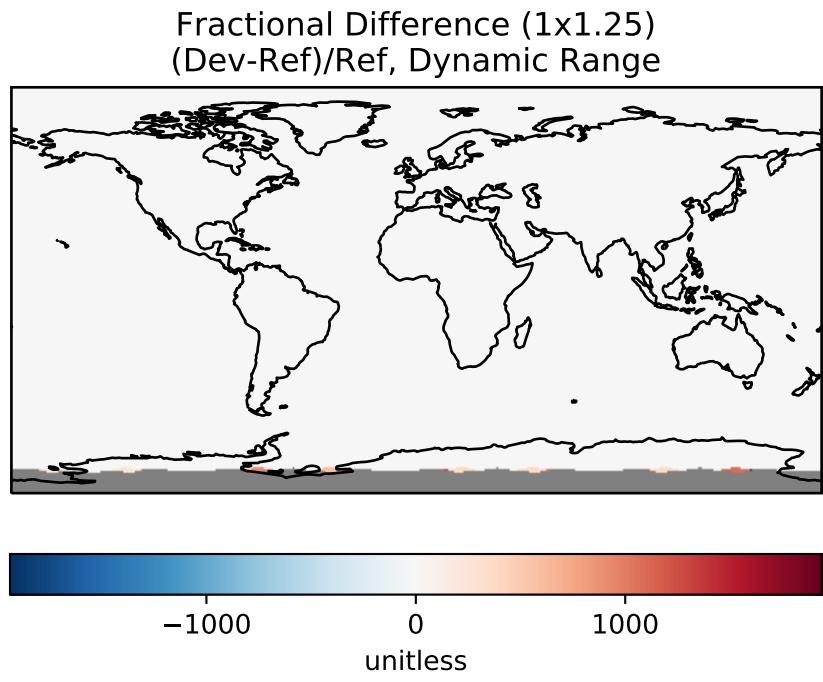
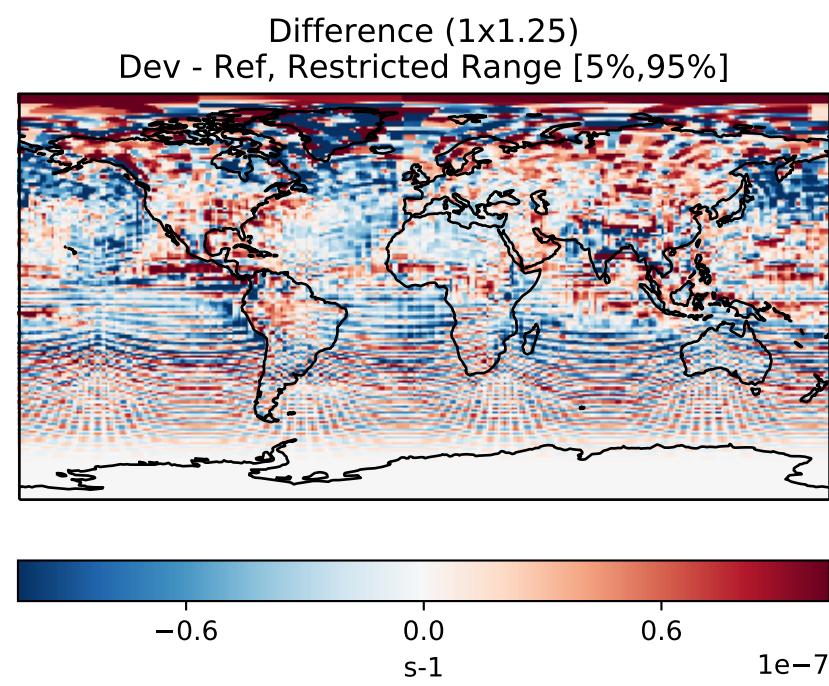
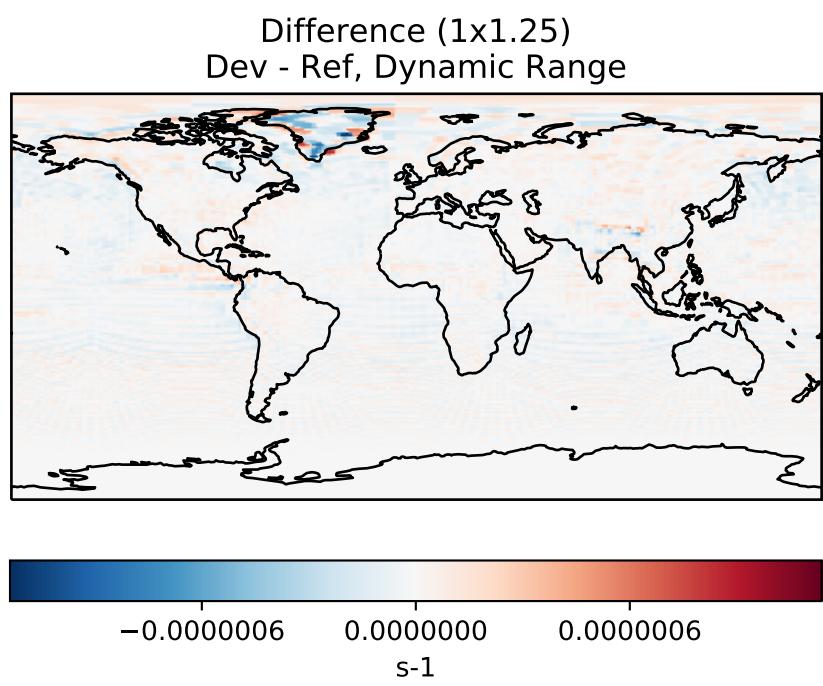
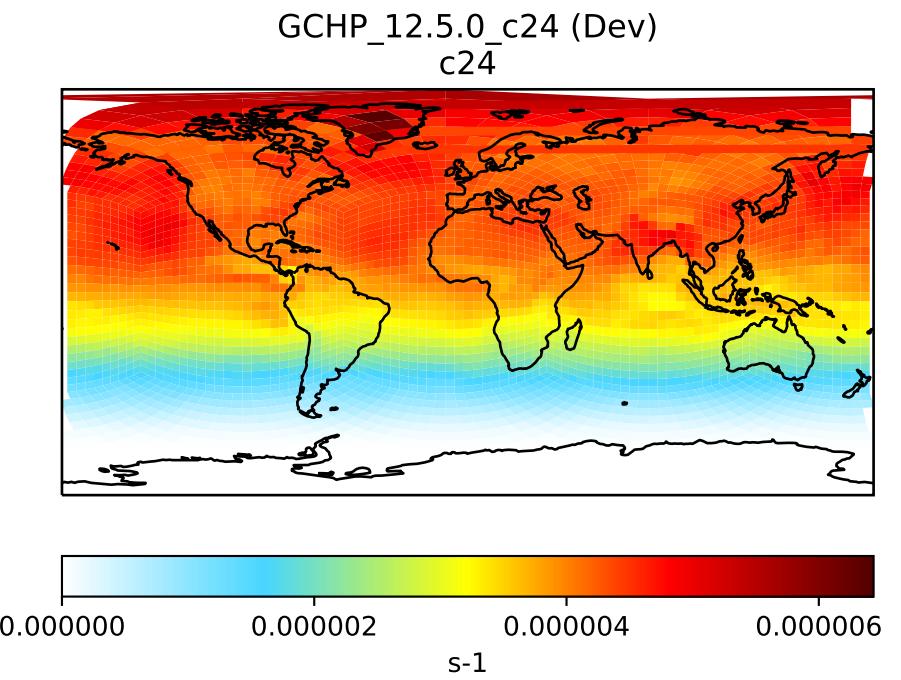
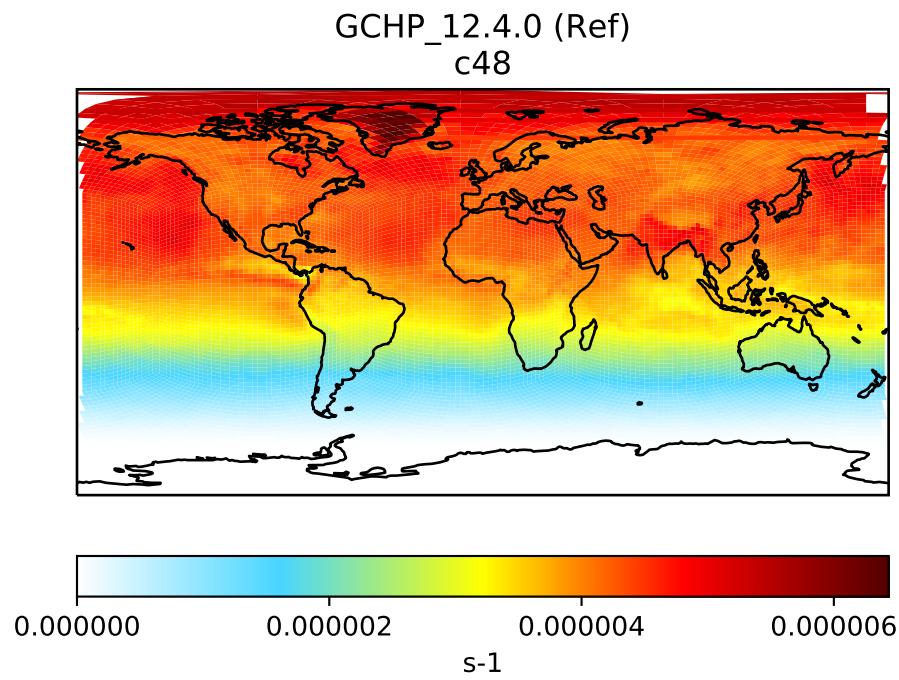
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



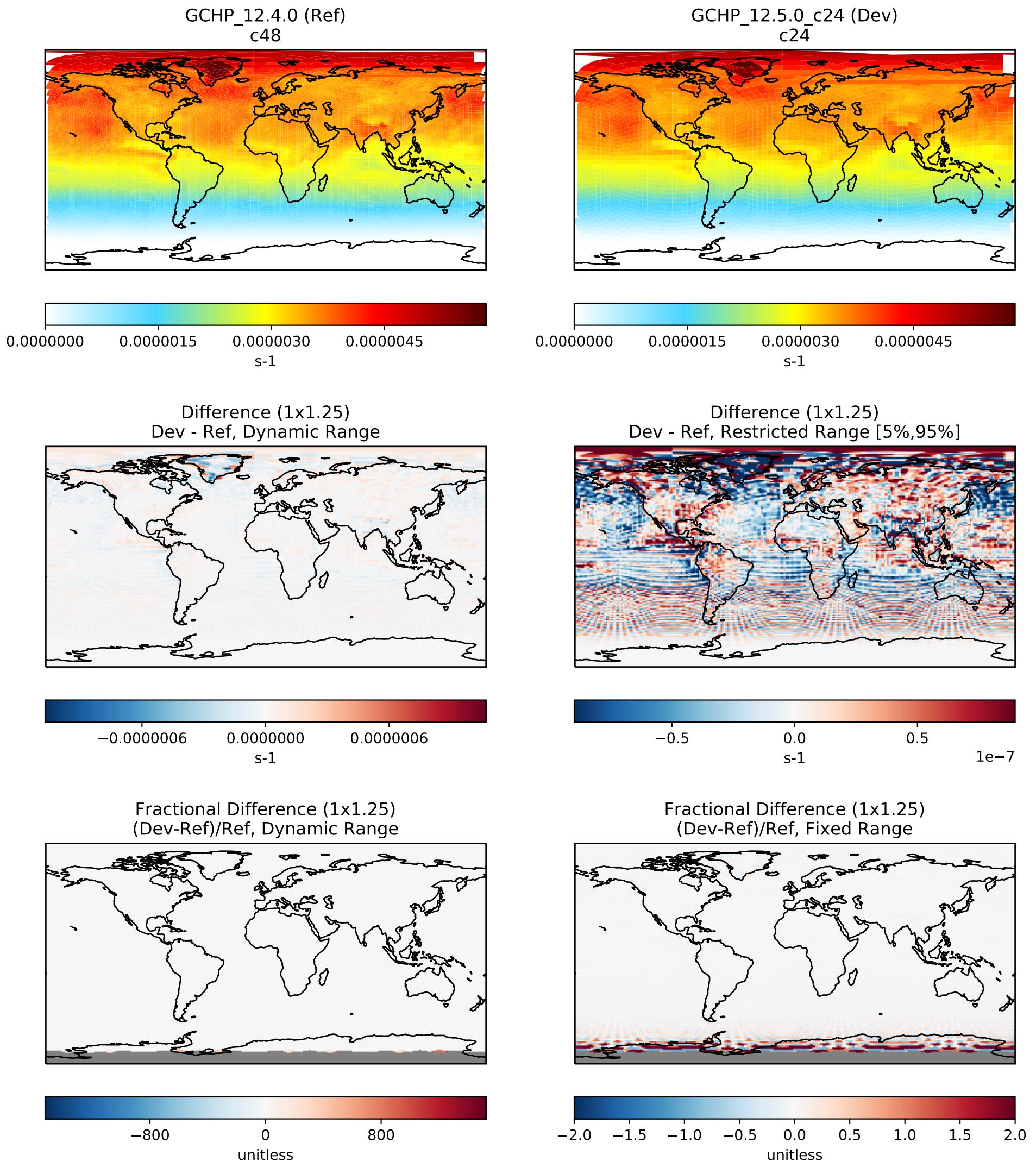
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



Jval_PIP

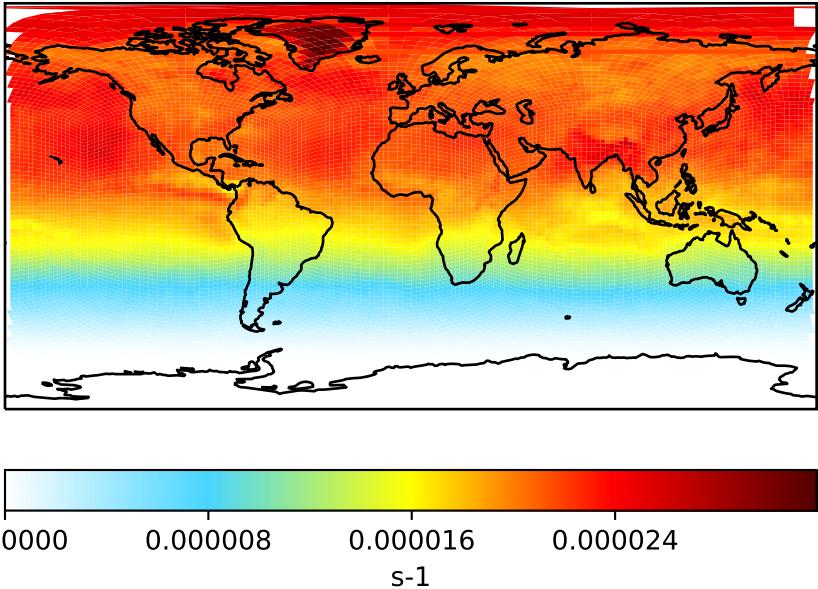


Jval_PP

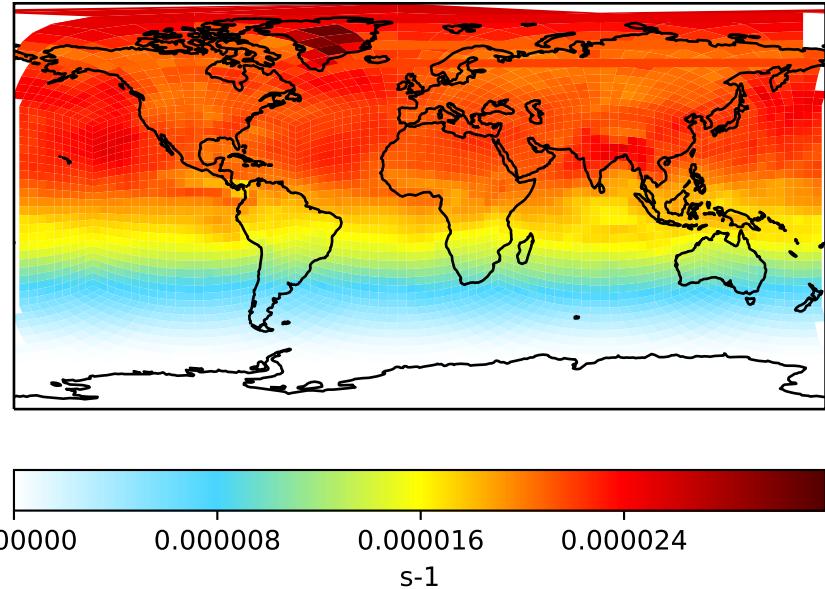


Jval_PROPNN

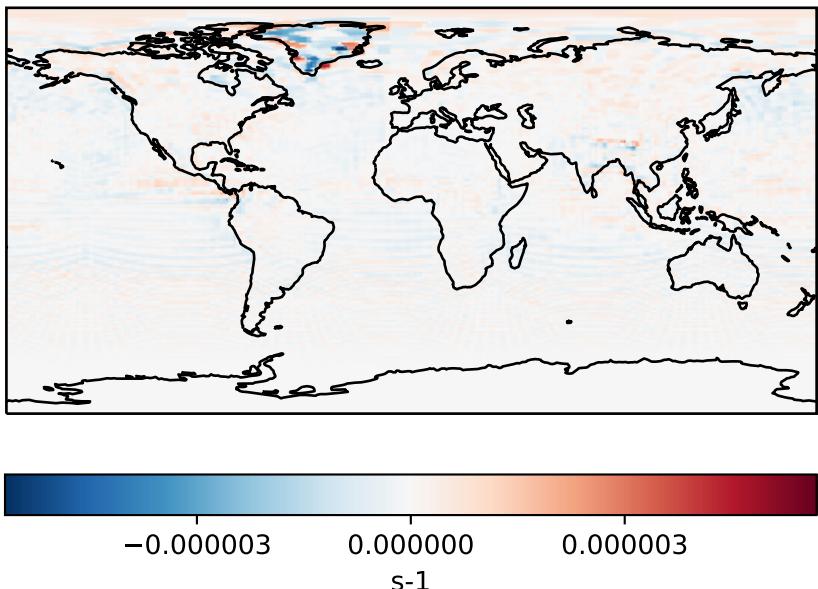
GCHP_12.4.0 (Ref)
c48



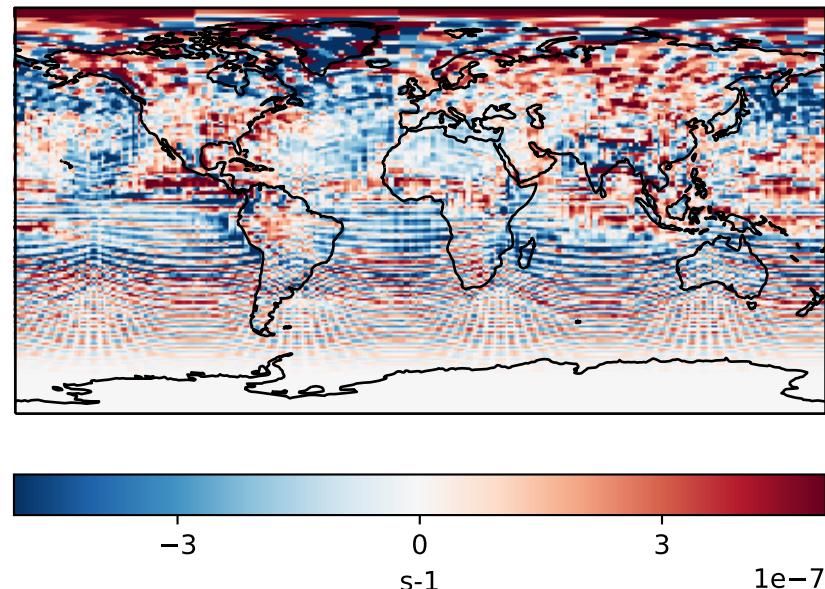
GCHP_12.5.0_c24 (Dev)
c24



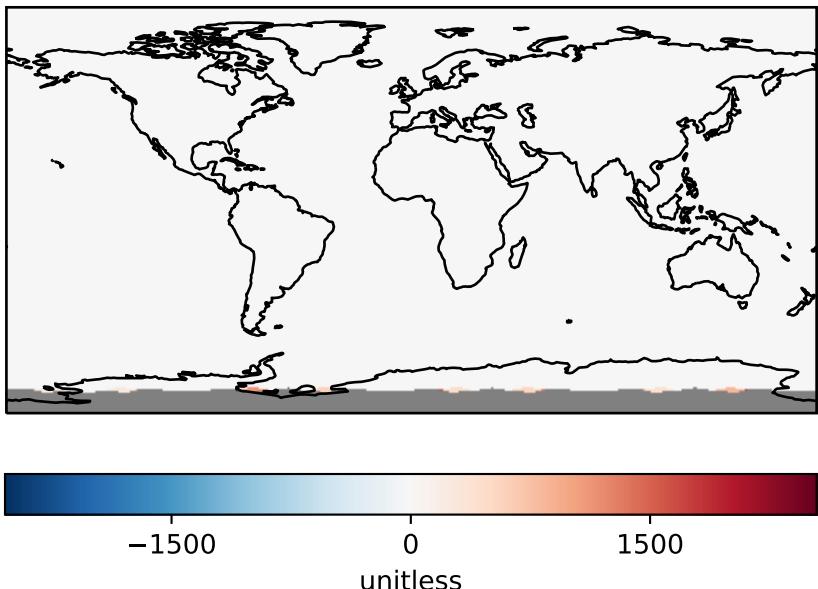
Difference (1x1.25)
Dev - Ref, Dynamic Range



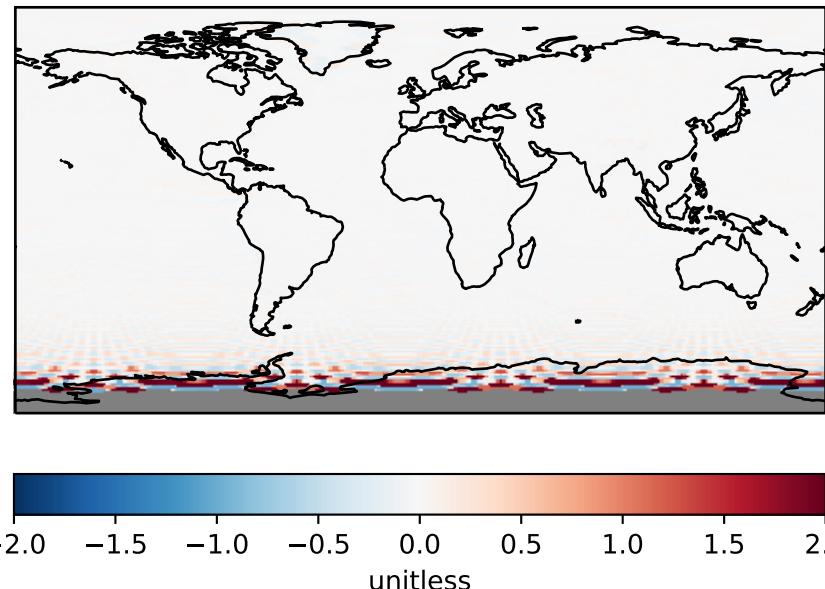
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



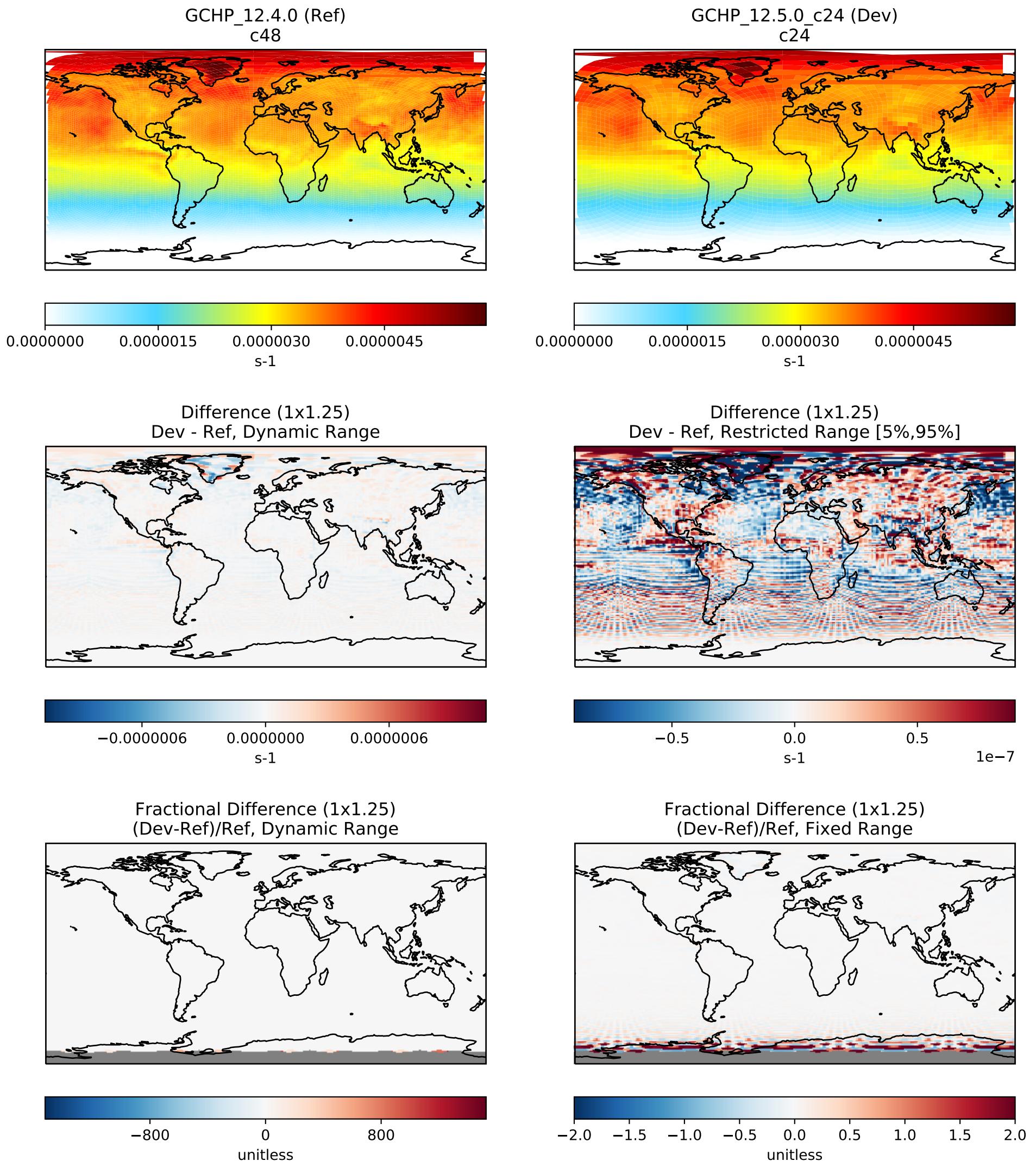
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



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

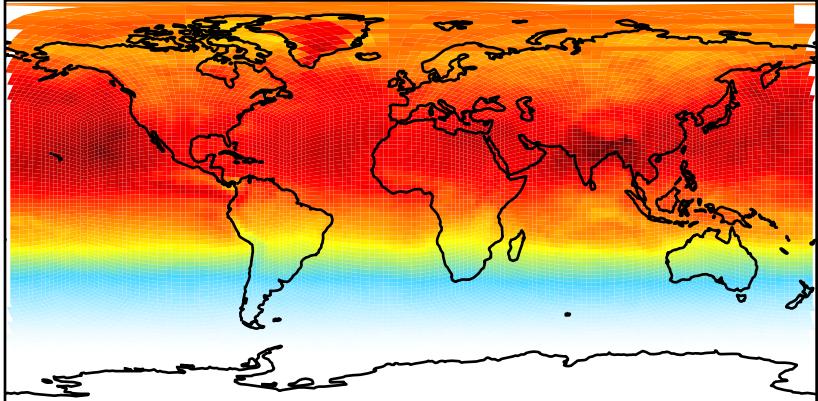


Jval_PRPN

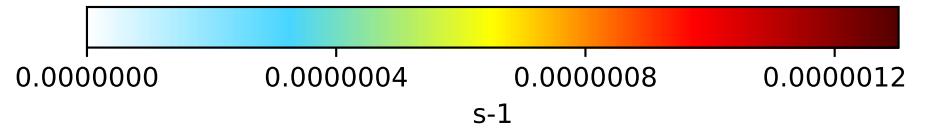
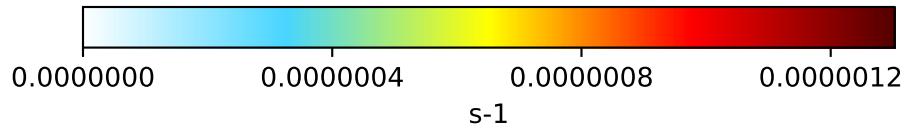
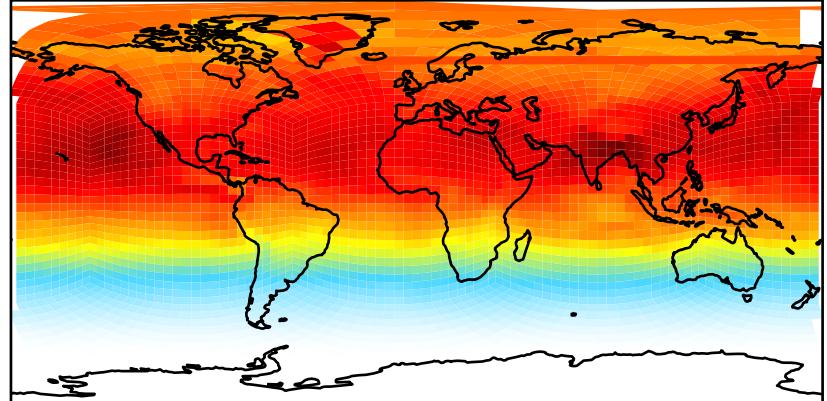


Jval_R4N2

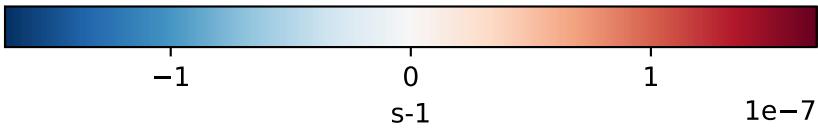
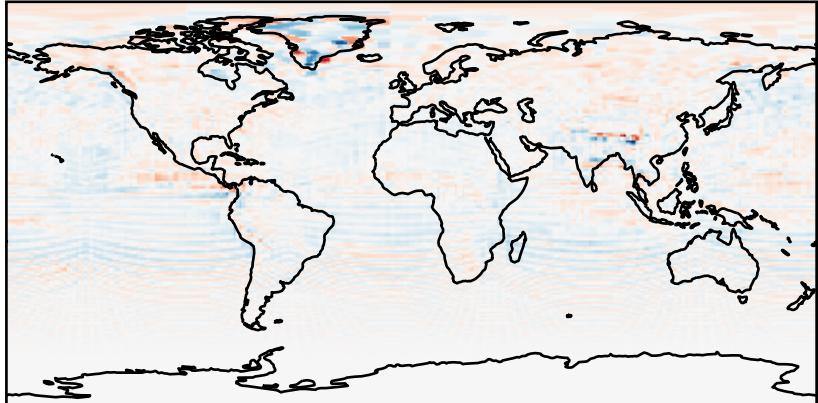
GCHP_12.4.0 (Ref)
c48



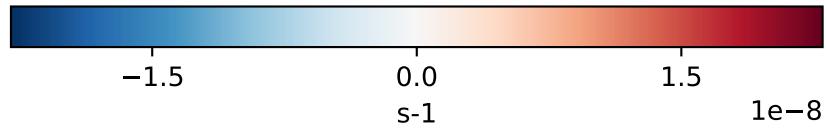
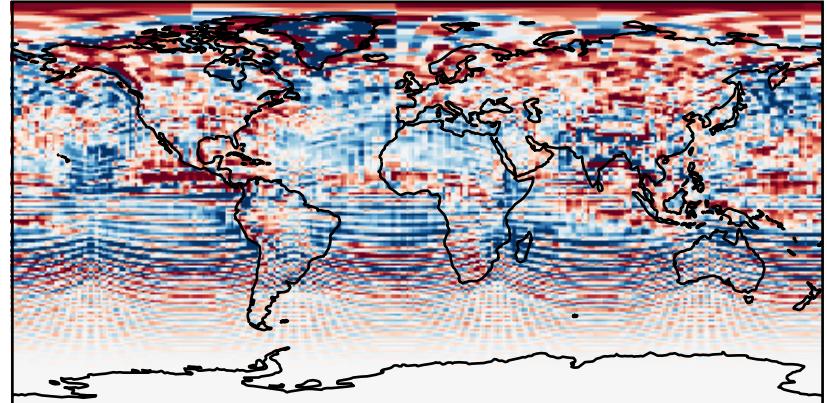
GCHP_12.5.0_c24 (Dev)
c24



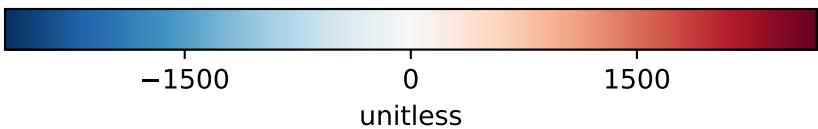
Difference (1x1.25)
Dev - Ref, Dynamic Range



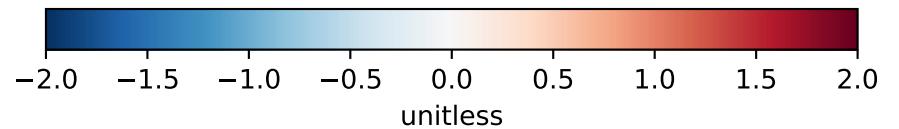
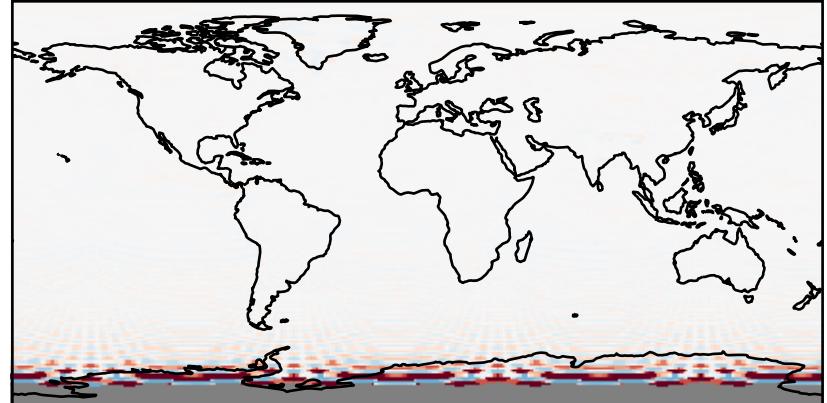
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



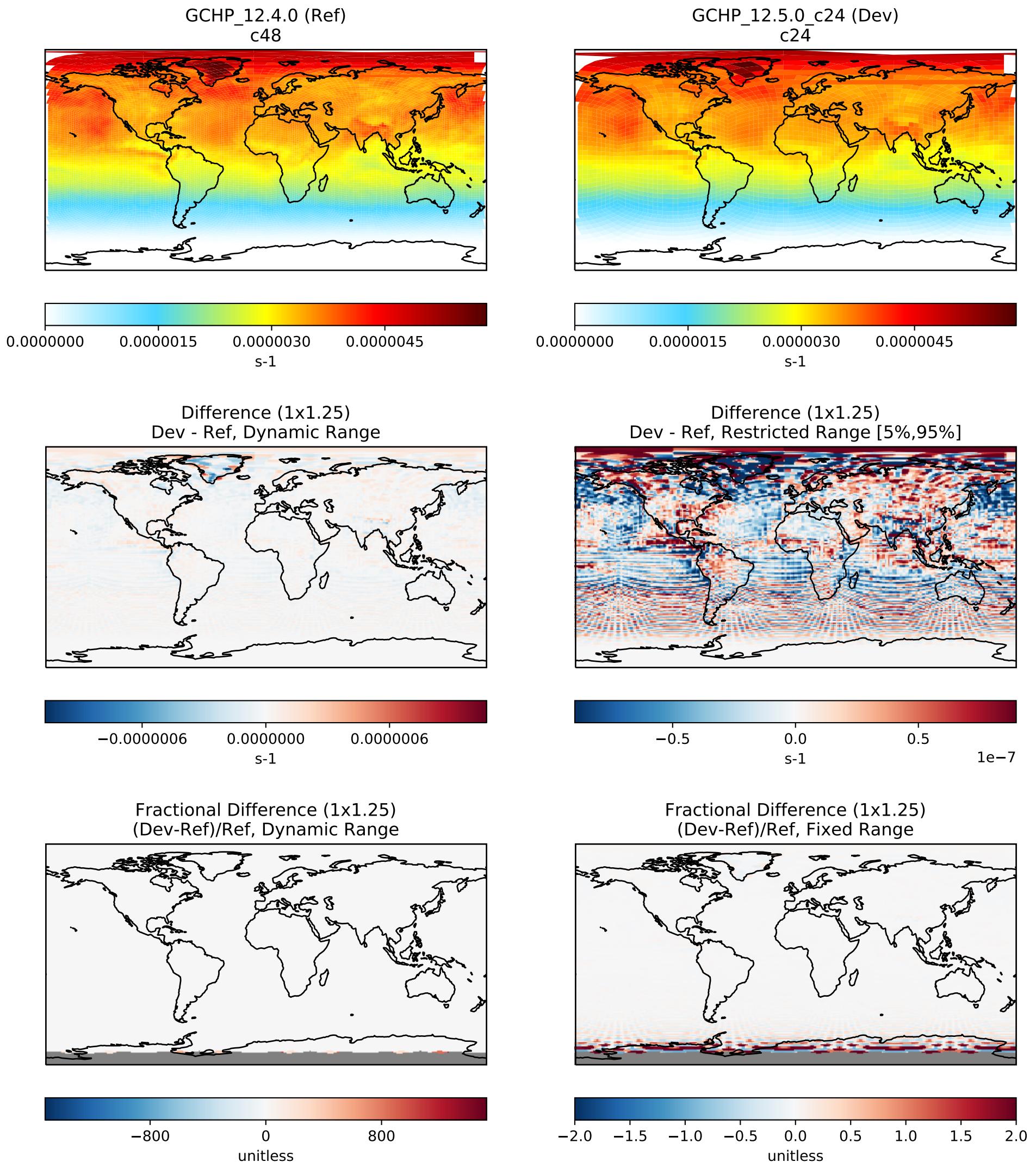
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Dynamic Range



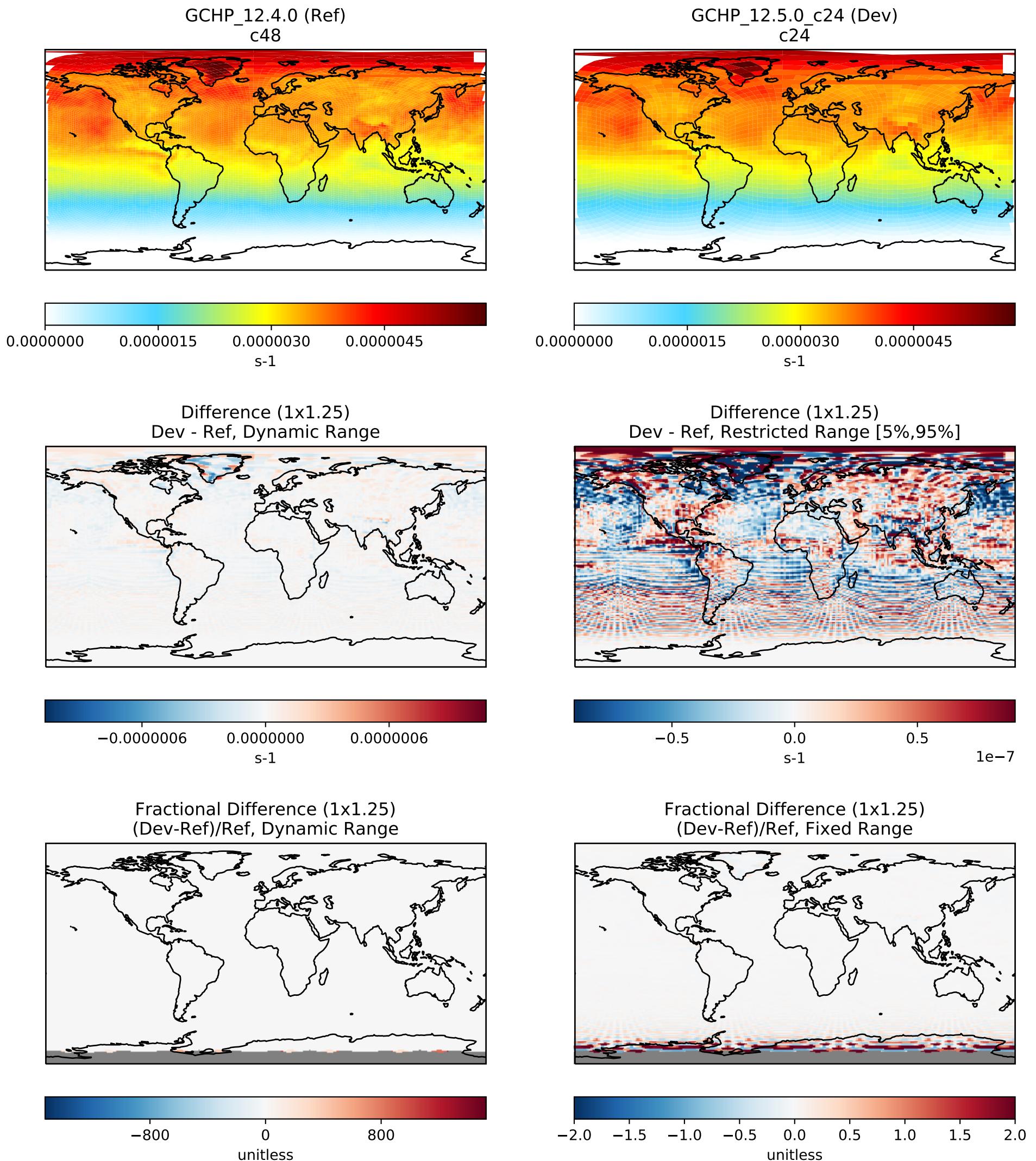
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



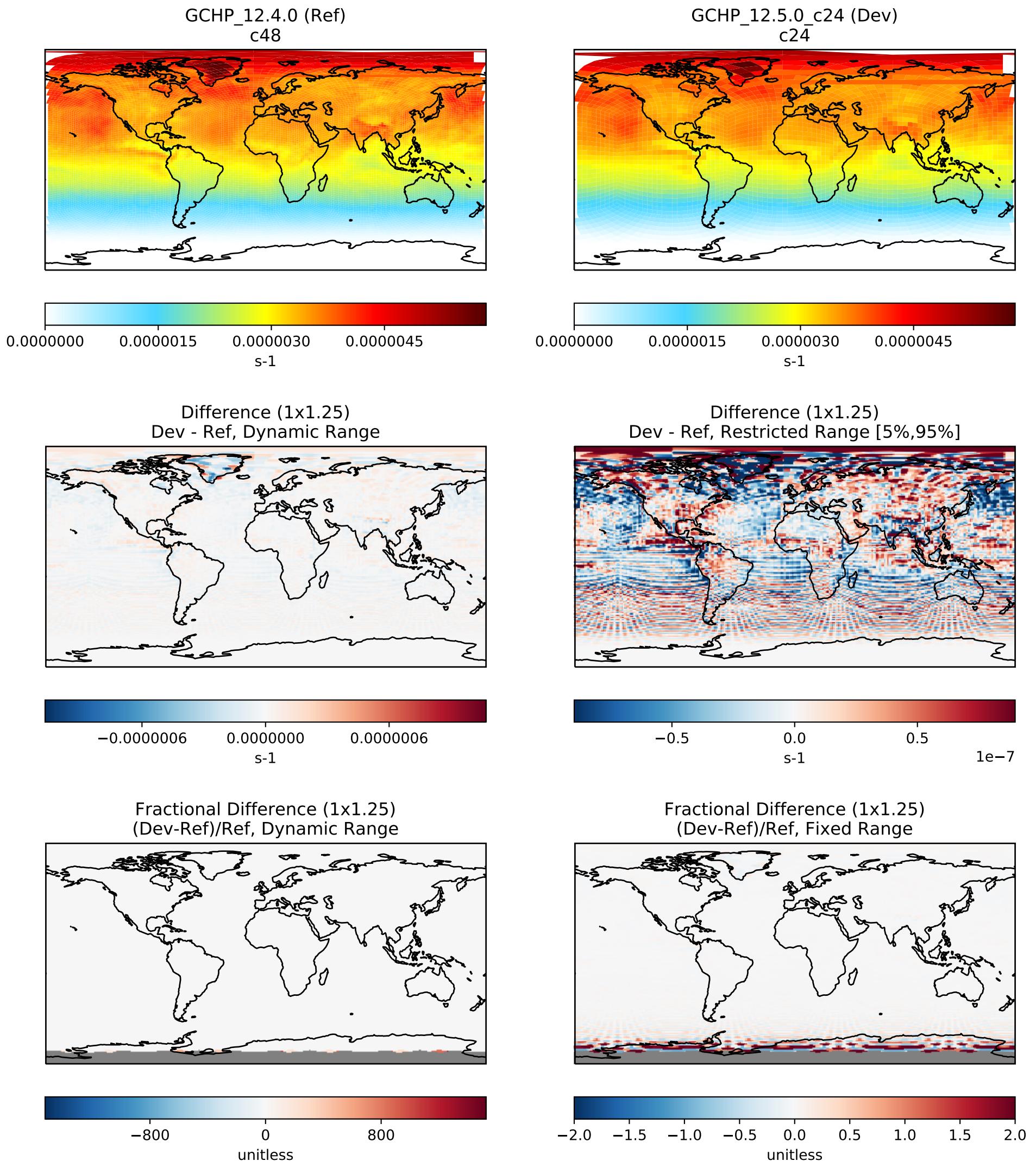
Jval_R4P



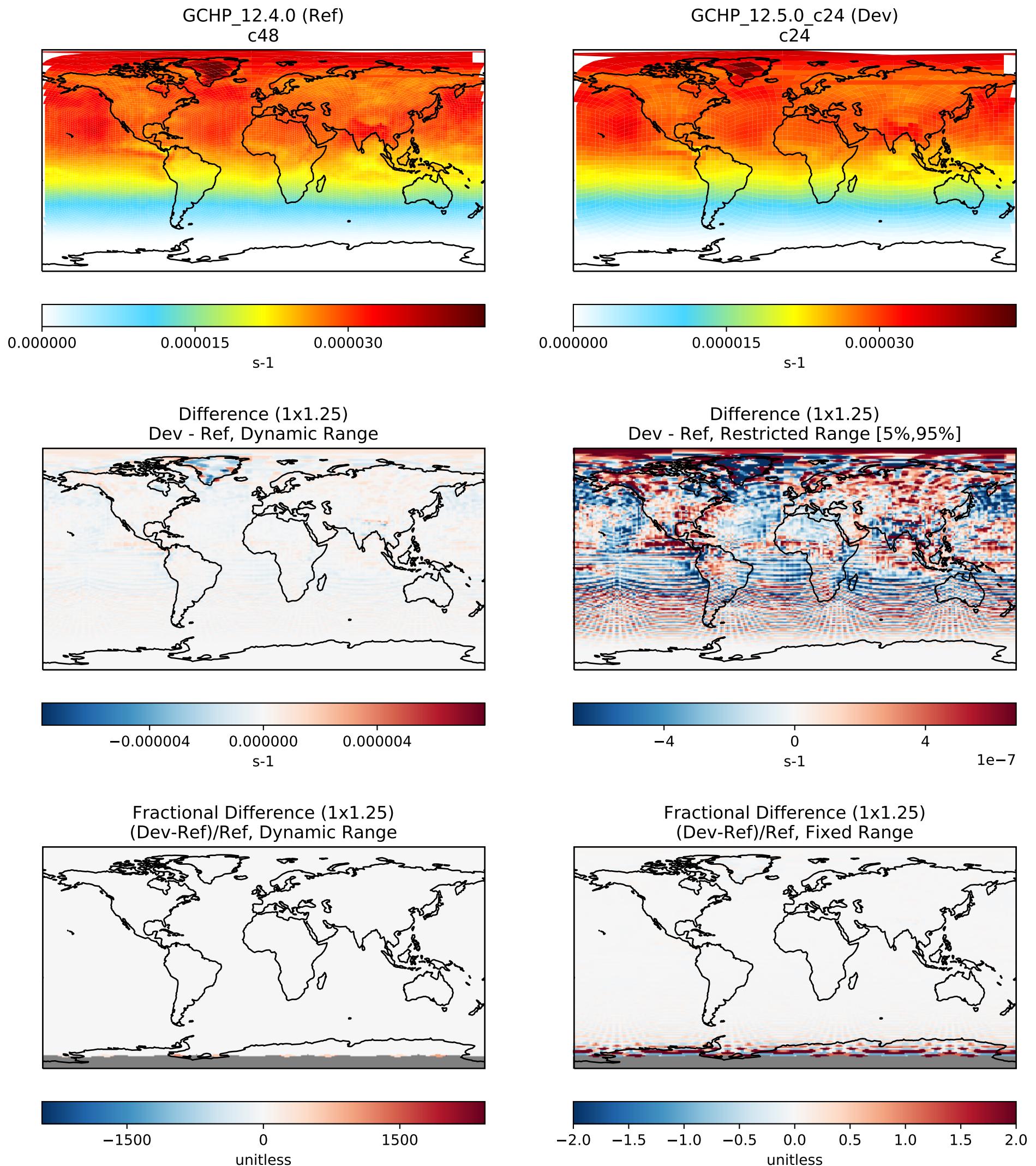
Jval_RA3P



Jval_RB3P

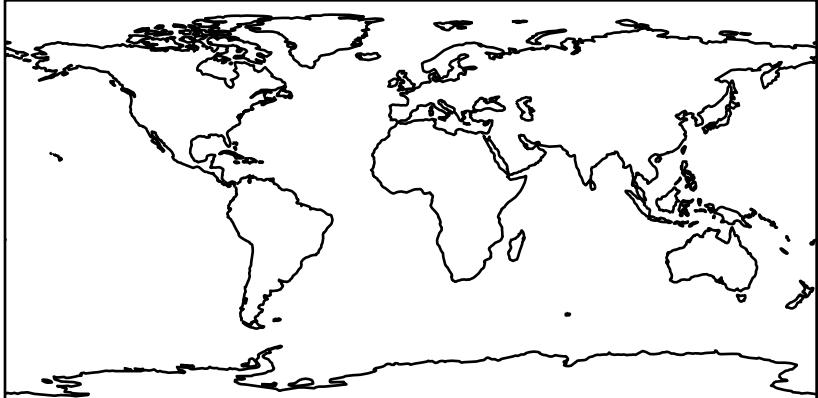


Jval_RCHO

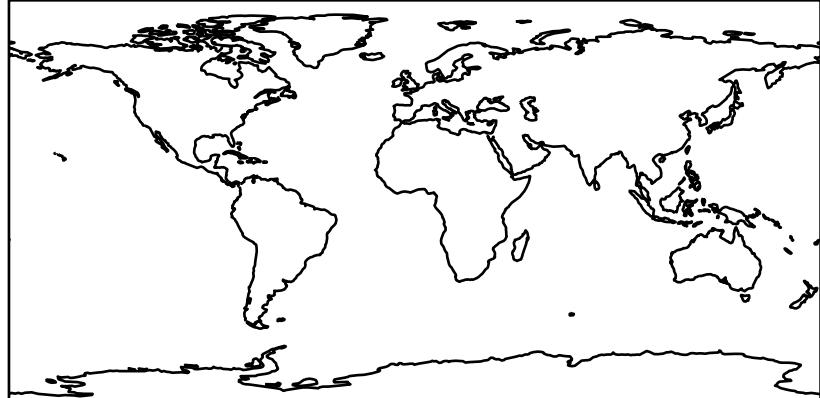


Jval_RIPA

GCHP_12.4.0 (Ref)
c48



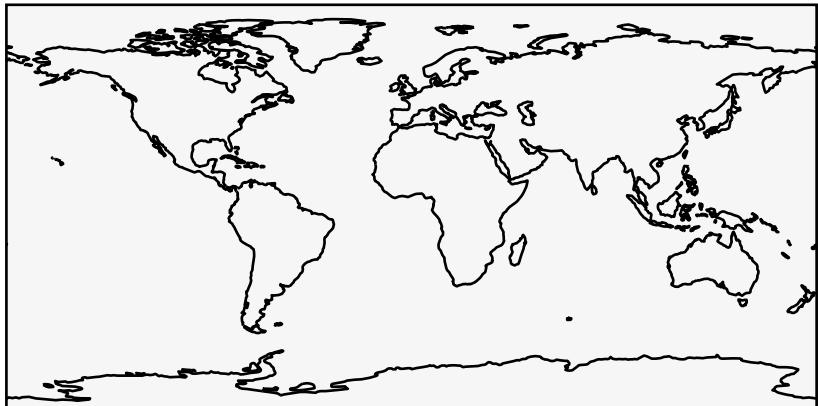
GCHP_12.5.0_c24 (Dev)
c24



Zero throughout domain
s-1

Zero throughout domain
s-1

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



Zero throughout domain
s-1

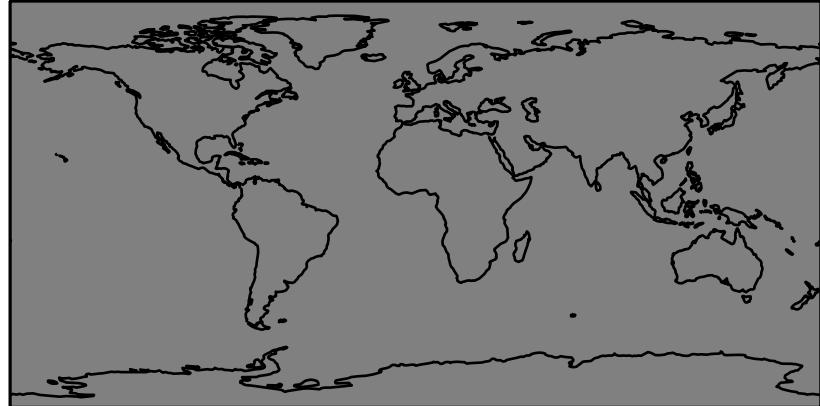
Zero throughout domain
s-1

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



Undefined throughout domain
unitless

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



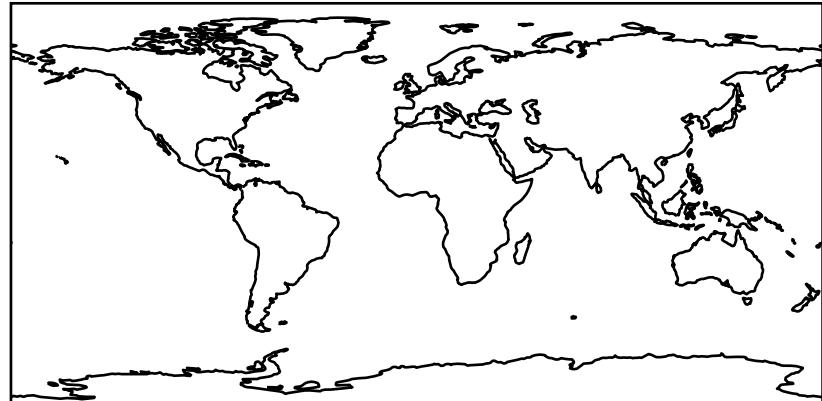
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unitless

Jval_RIPB

GCHP_12.4.0 (Ref)
c48



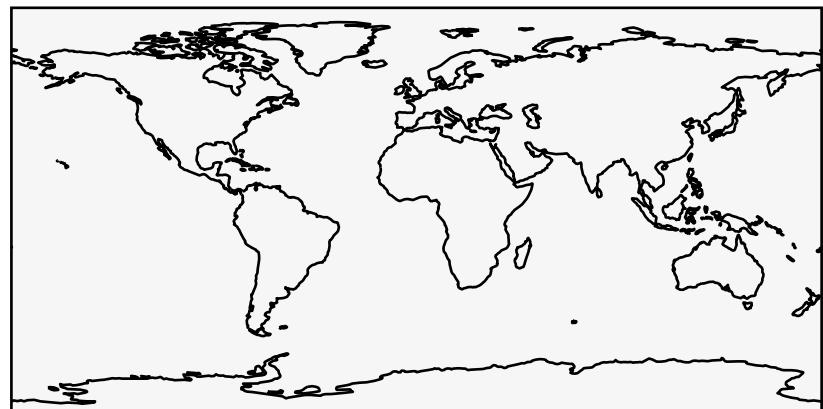
GCHP_12.5.0_c24 (Dev)
c24



Zero throughout domain
s-1

Zero throughout domain
s-1

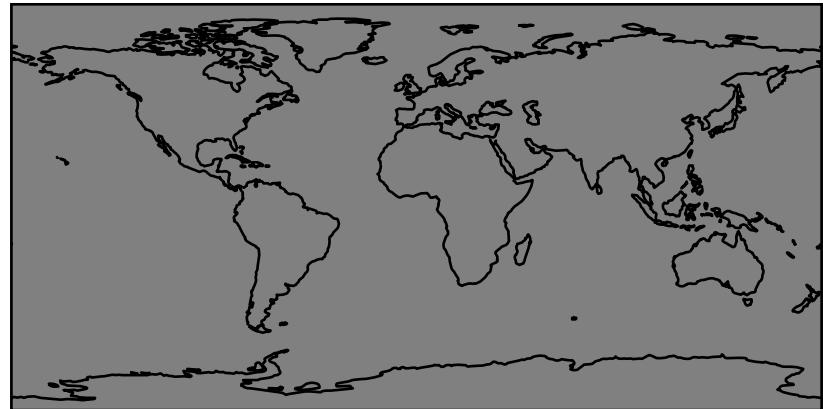
Difference (1x1.25)
Dev - Ref, Dynamic Range



Zero throughout domain
s-1

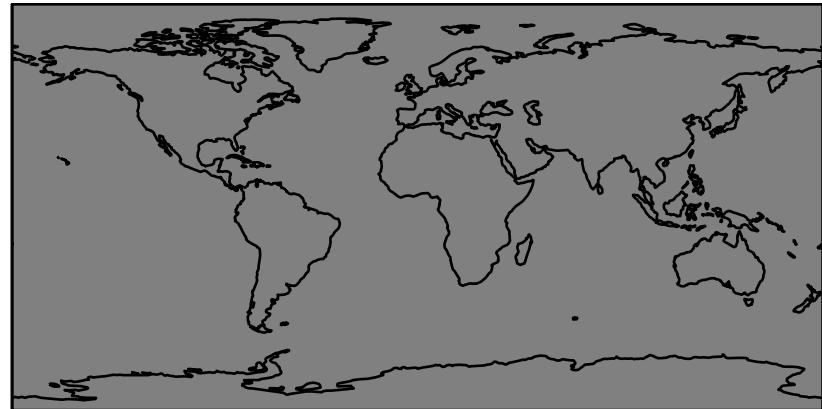
Zero throughout domain
s-1

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



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unitless

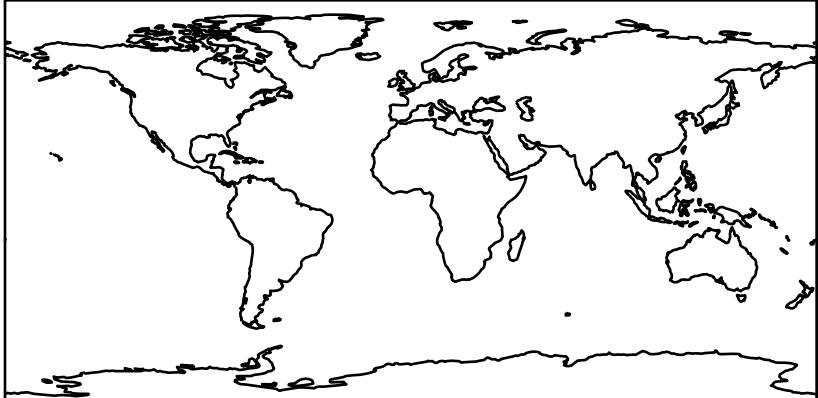
Fractional Difference (1x1.25)
(Dev-Ref)/Ref, Fixed Range



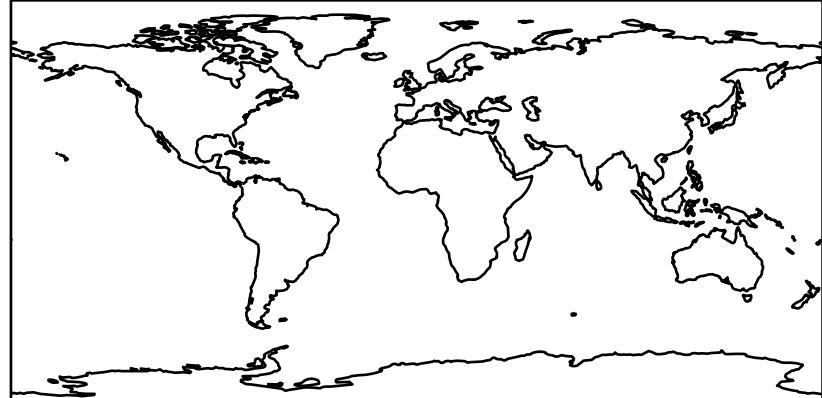
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Jval_RIPD

GCHP_12.4.0 (Ref)
c48



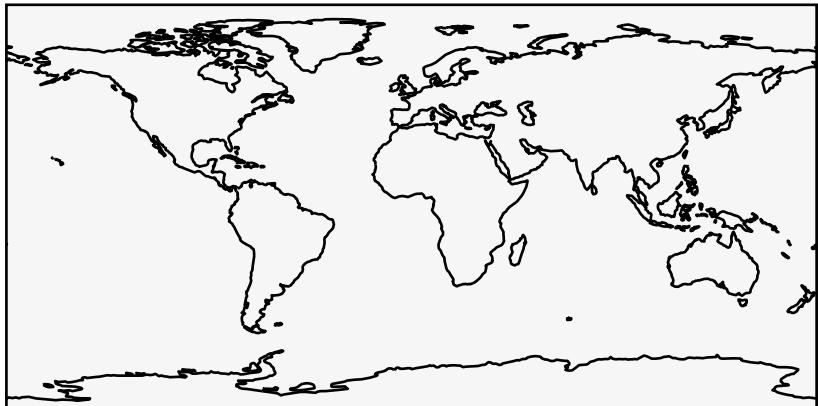
GCHP_12.5.0_c24 (Dev)
c24



Zero throughout domain
s-1

Zero throughout domain
s-1

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



Zero throughout domain
s-1

Zero throughout domain
s-1

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



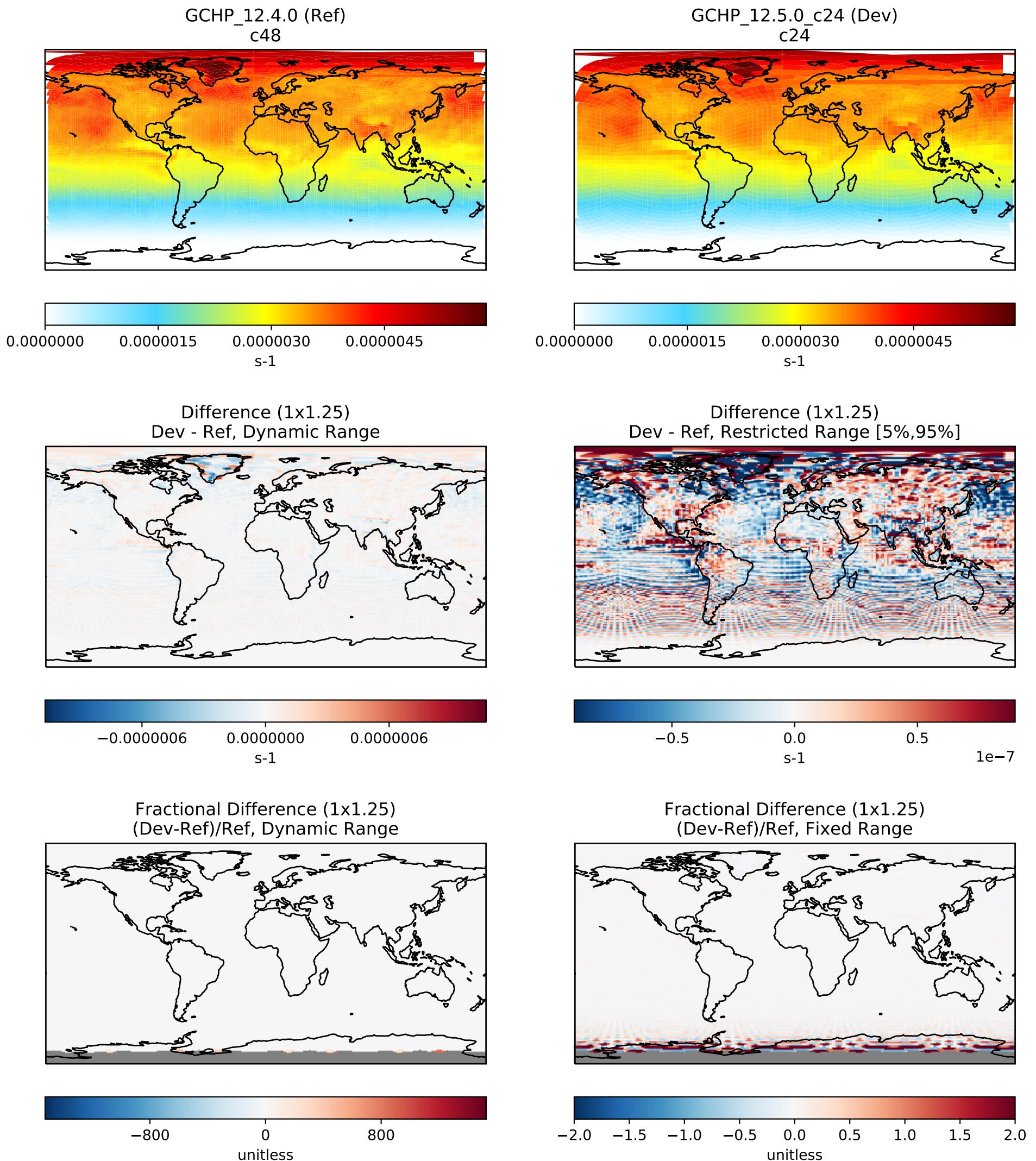
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unitless

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



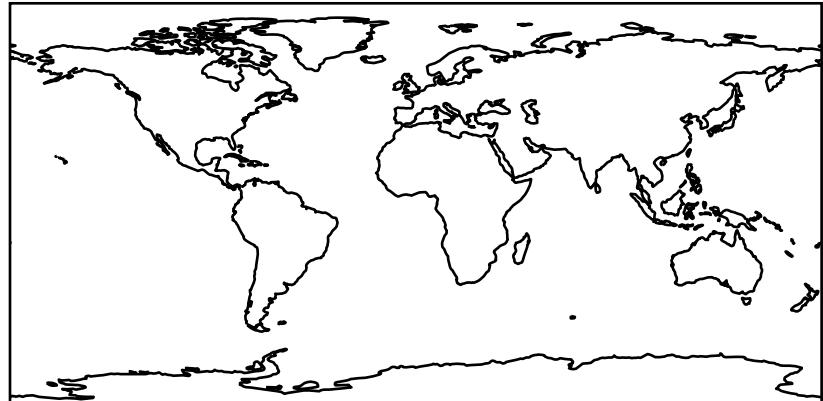
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Jval_RP

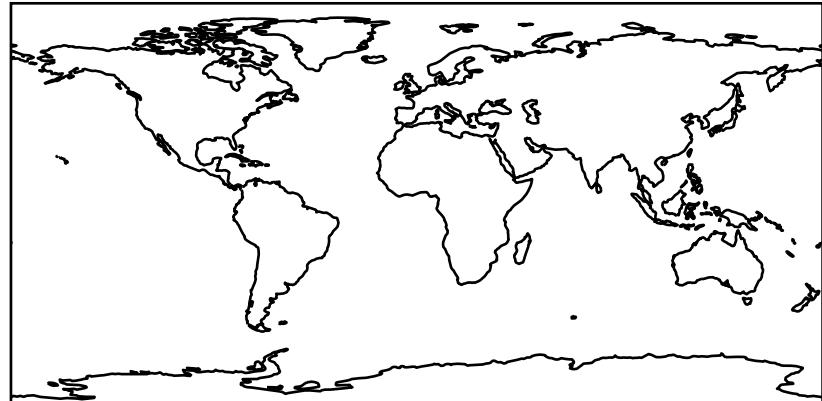


Jval_SO4

GCHP_12.4.0 (Ref)
c48



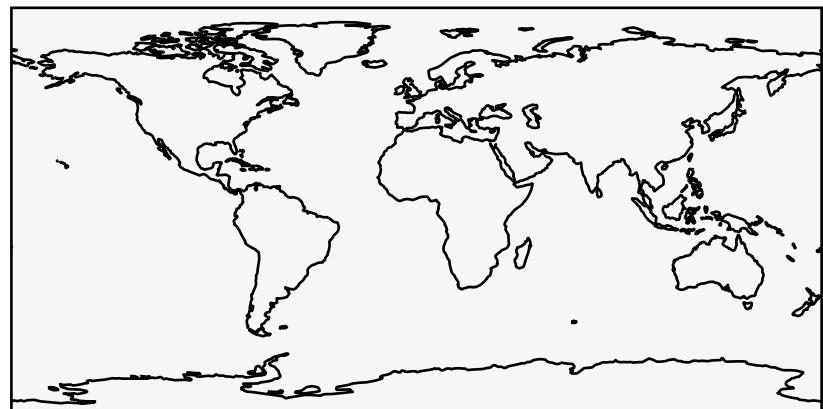
GCHP_12.5.0_c24 (Dev)
c24



Zero throughout domain
s-1

Zero throughout domain
s-1

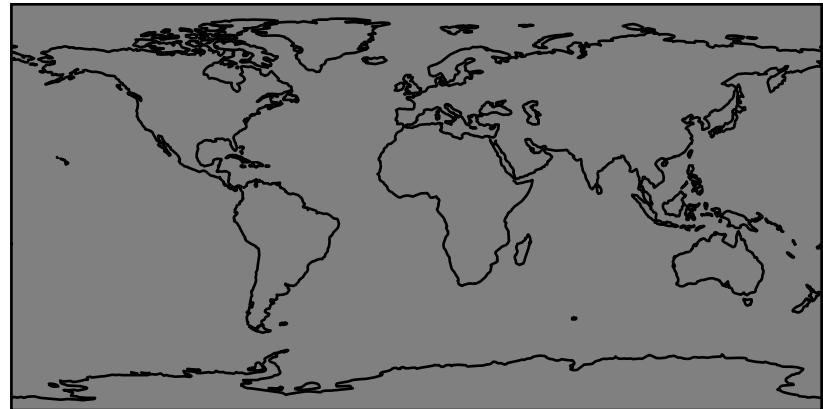
Difference (1x1.25)
Dev - Ref, Dynamic Range



Zero throughout domain
s-1

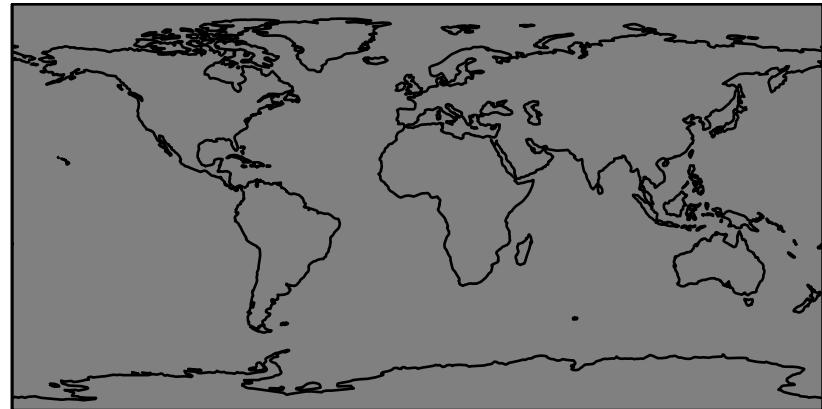
Zero throughout domain
s-1

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

