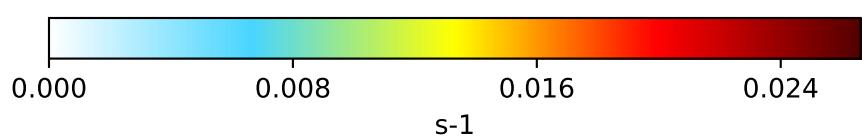
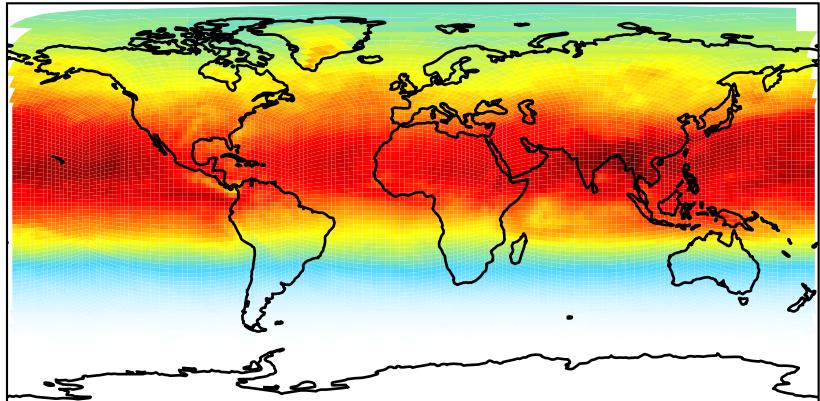
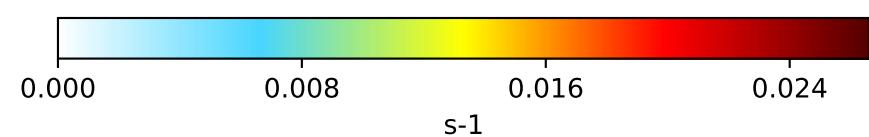
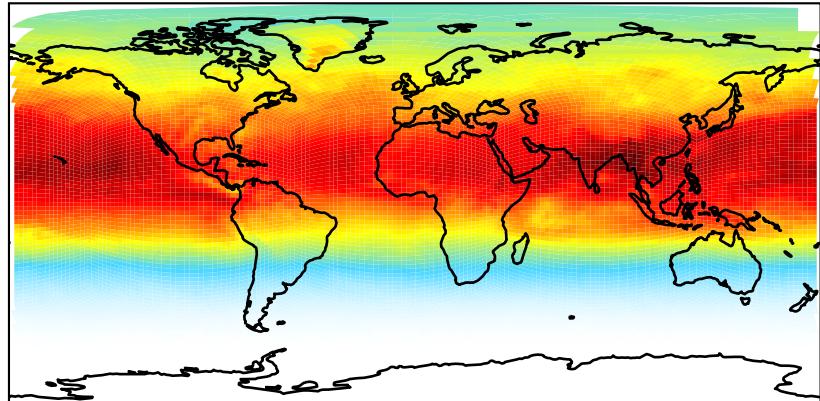


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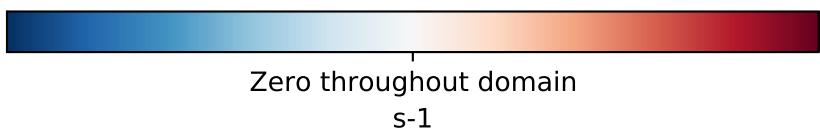
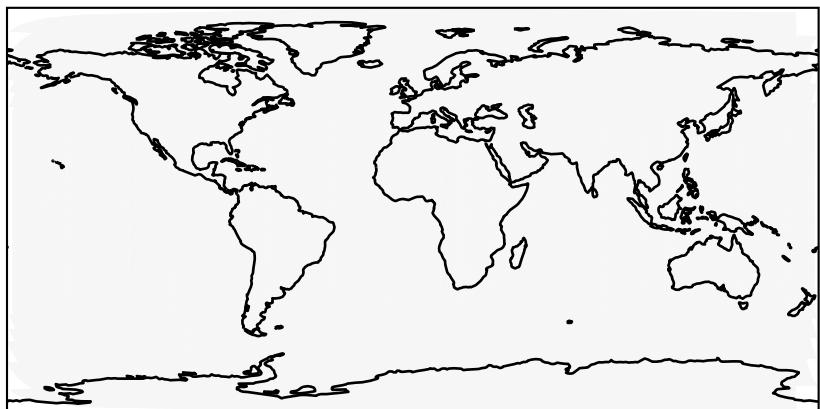
GCHP\_13.2.0-beta.0 (Ref)  
c48



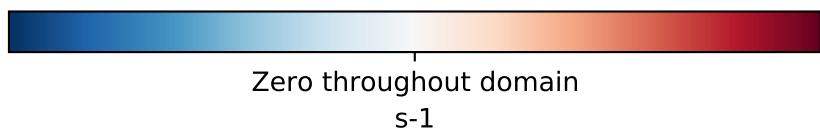
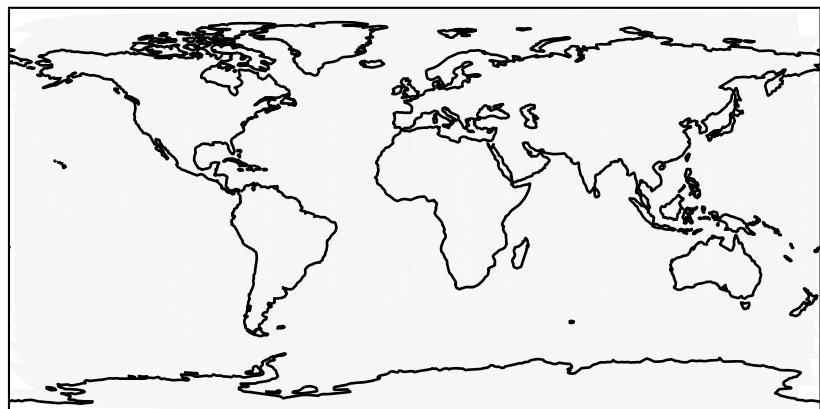
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



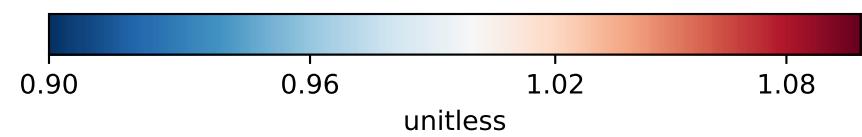
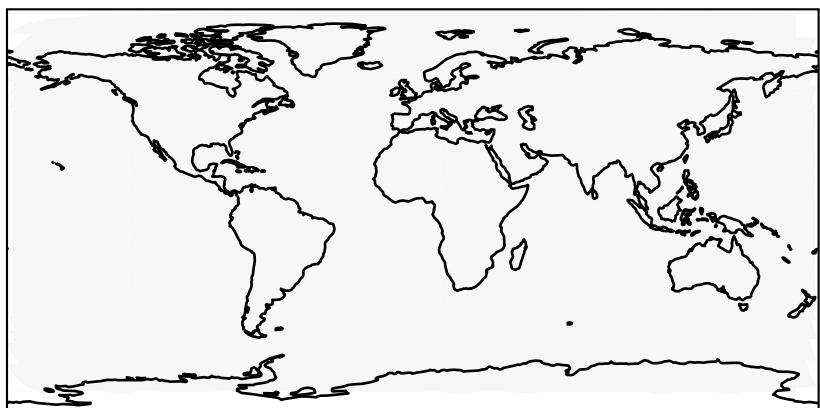
Difference  
Dev - Ref, Dynamic Range



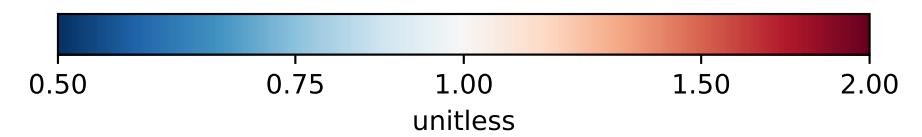
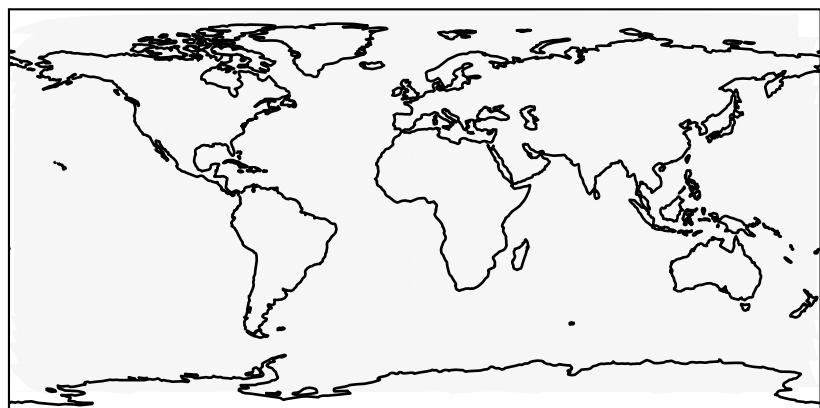
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

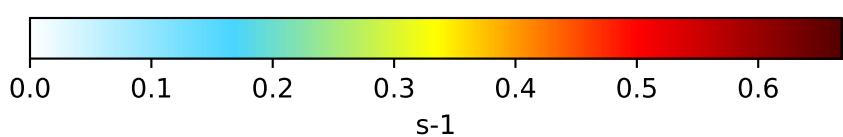
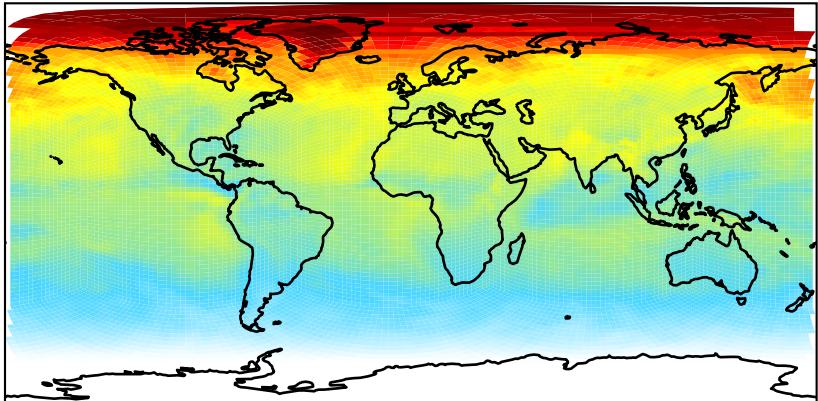


Ratio  
Dev/Ref, Fixed Range

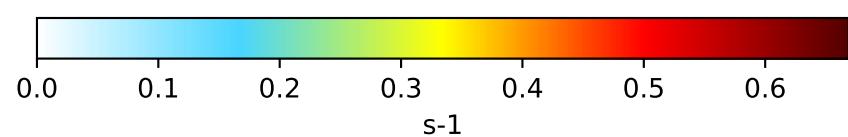
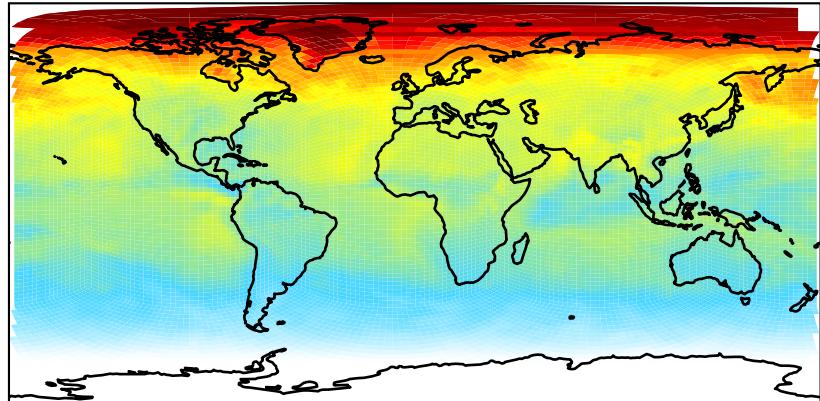


# JvalO3O3P

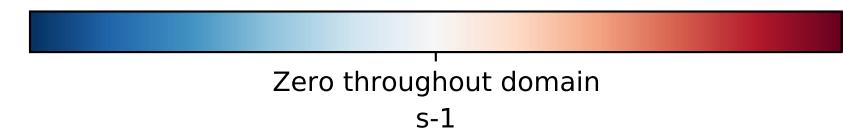
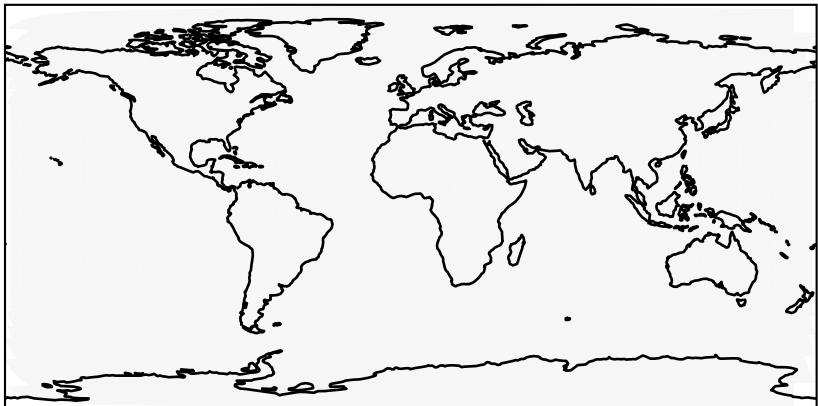
GCHP\_13.2.0-beta.0 (Ref)  
c48



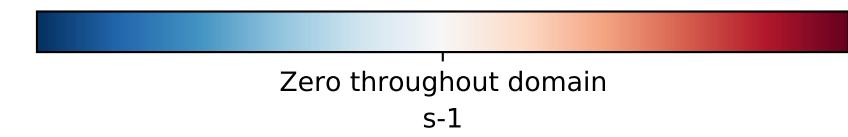
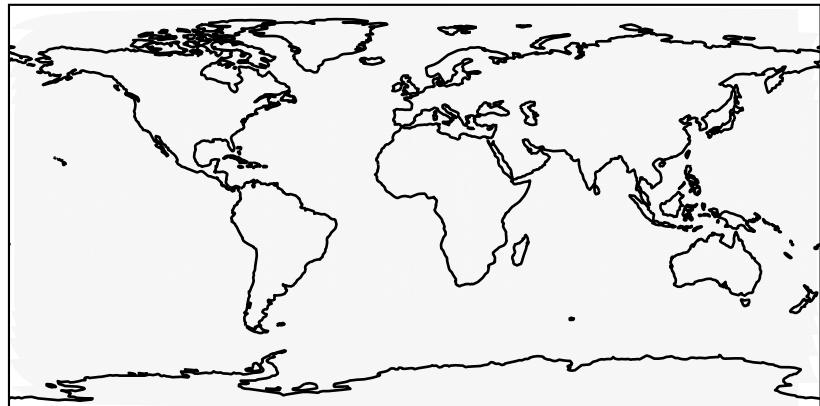
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



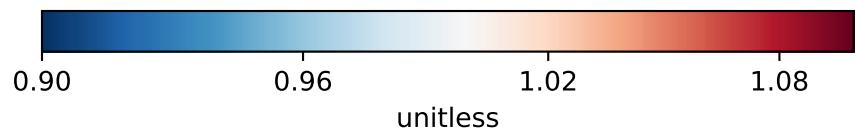
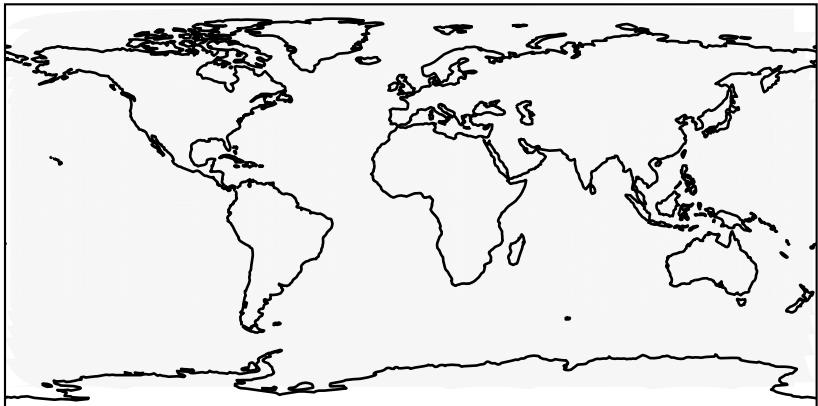
Difference  
Dev - Ref, Dynamic Range



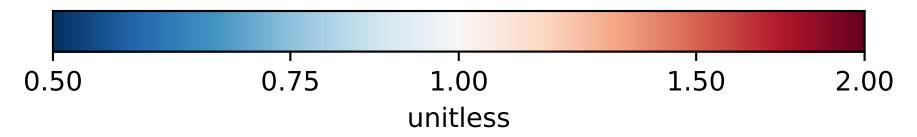
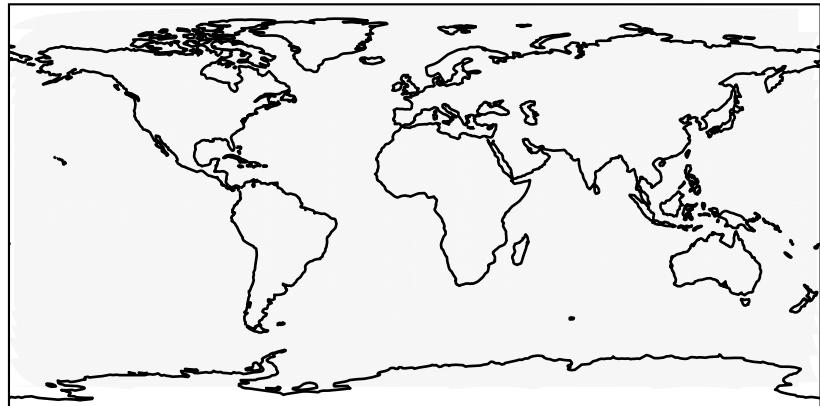
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

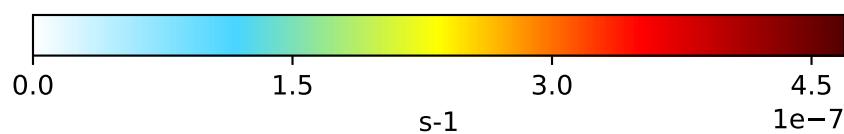
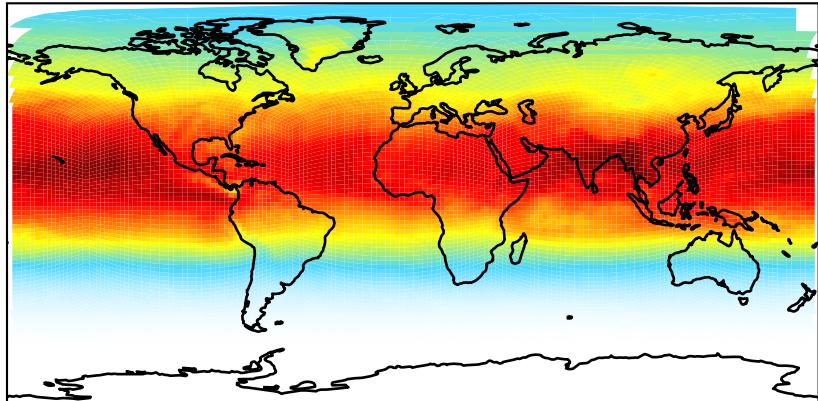


Ratio  
Dev/Ref, Fixed Range

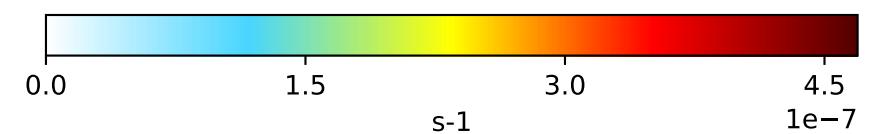
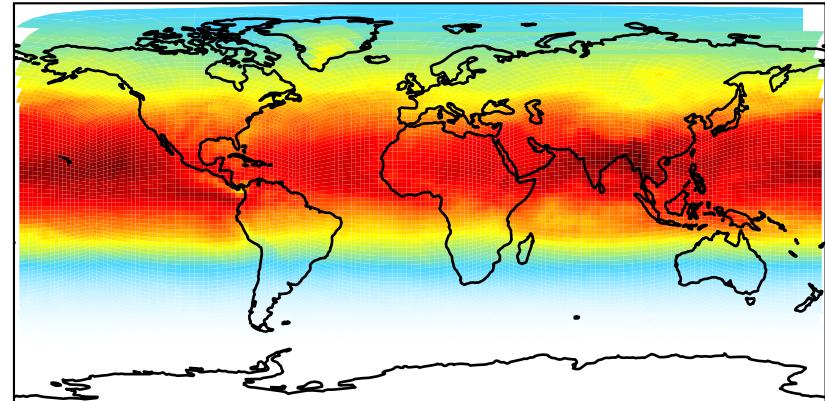


# Jval\_ACET

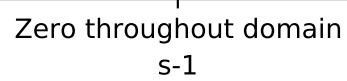
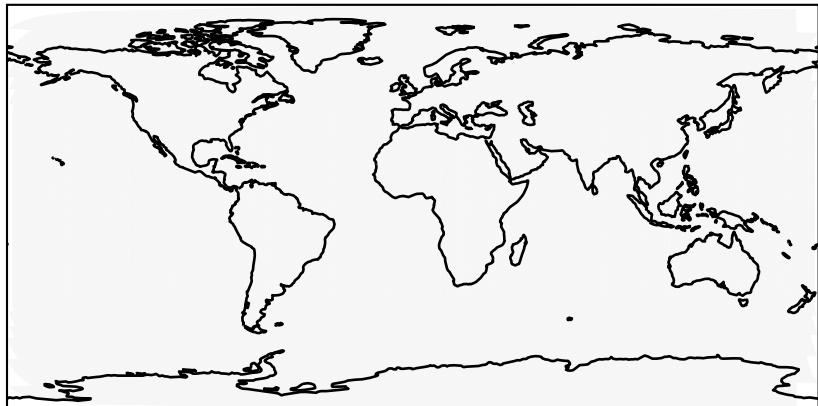
GCHP\_13.2.0-beta.0 (Ref)  
c48



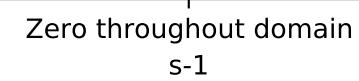
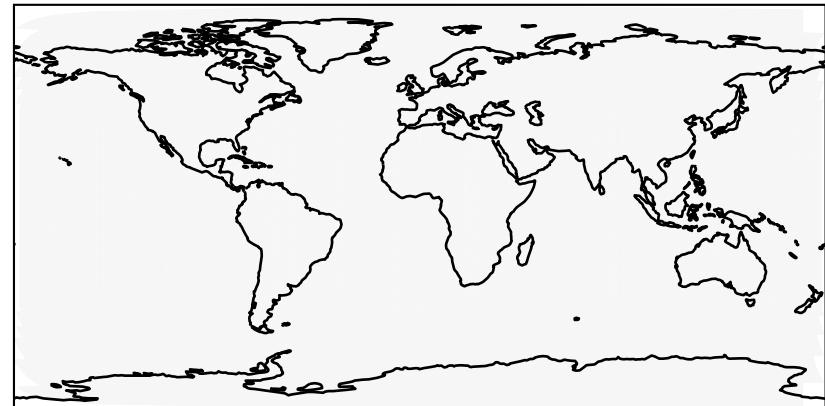
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



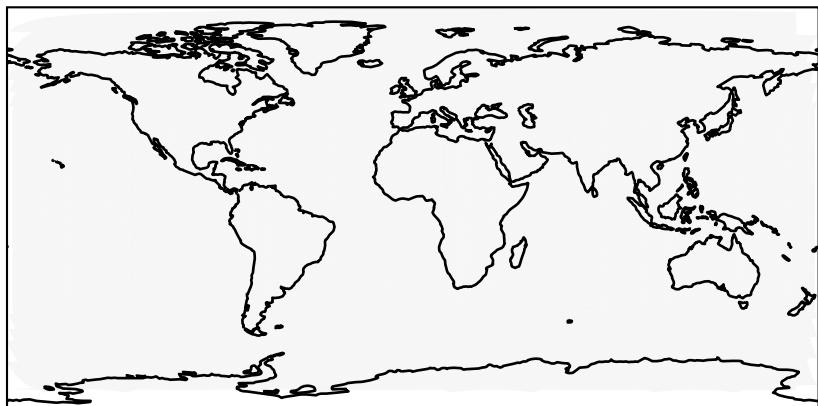
Difference  
Dev - Ref, Dynamic Range



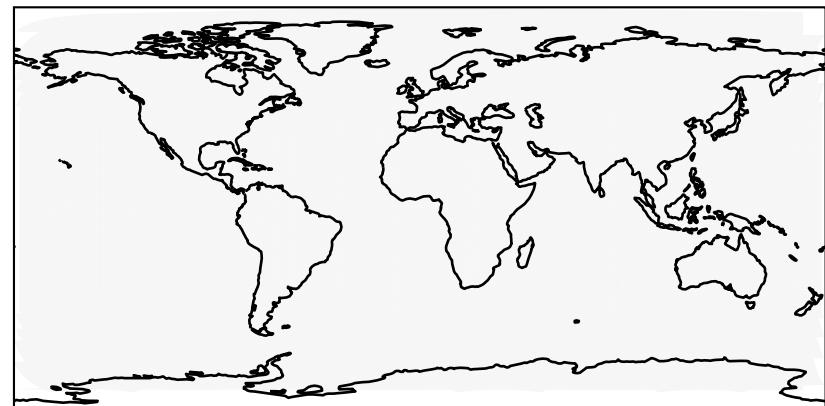
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

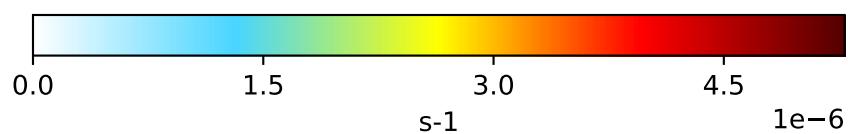
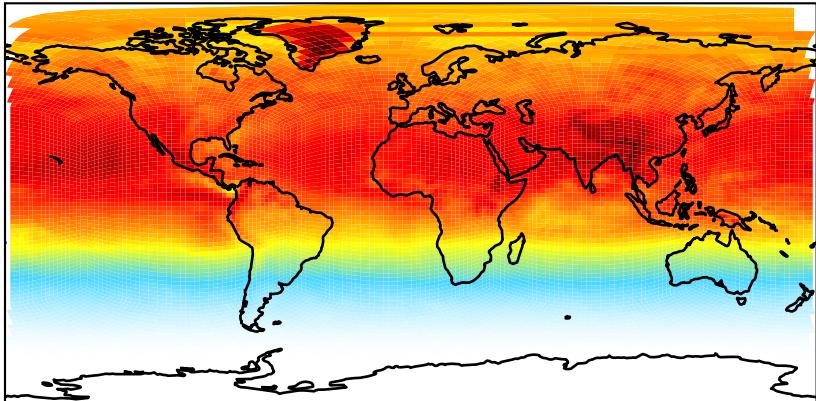


Ratio  
Dev/Ref, Fixed Range

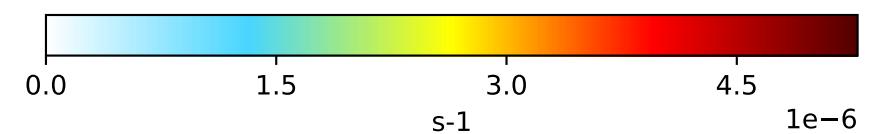
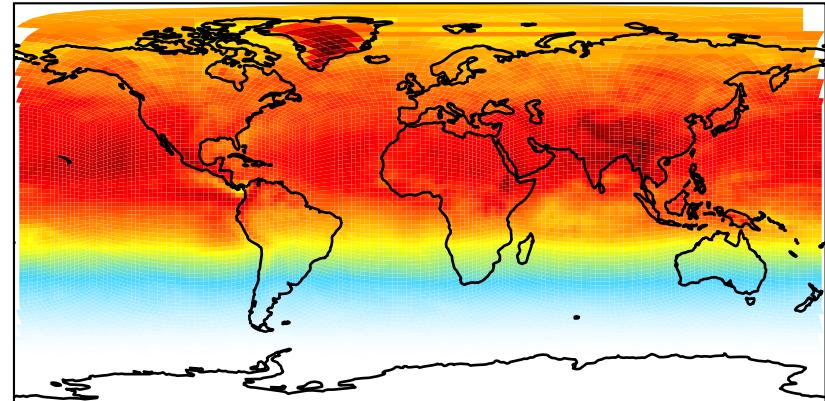


# Jval\_ALD2

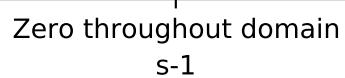
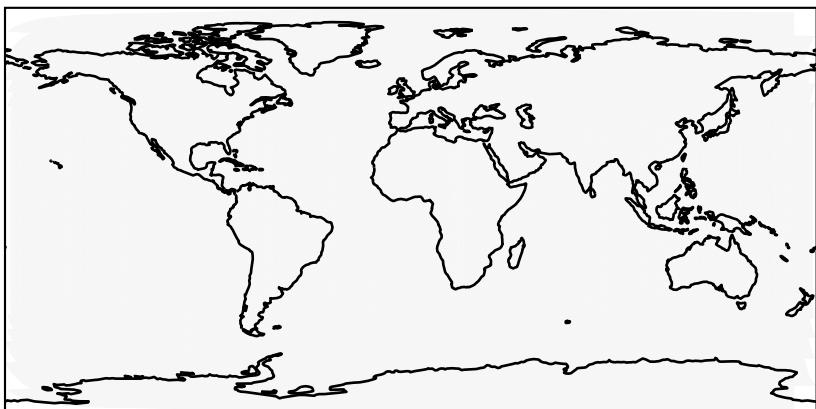
GCHP\_13.2.0-beta.0 (Ref)  
c48



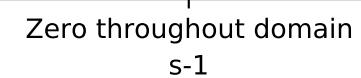
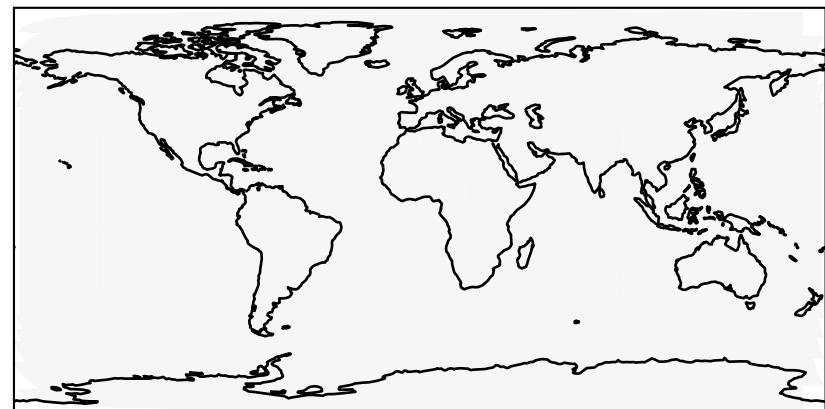
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



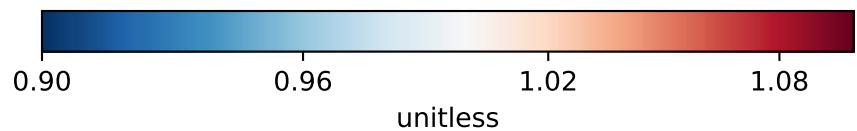
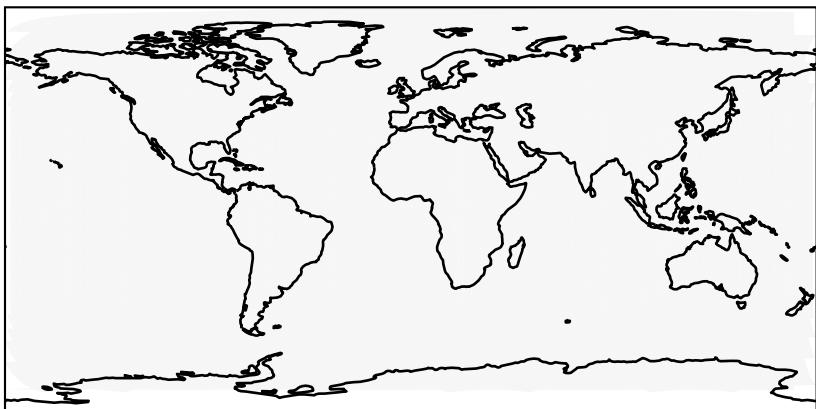
Difference  
Dev - Ref, Dynamic Range



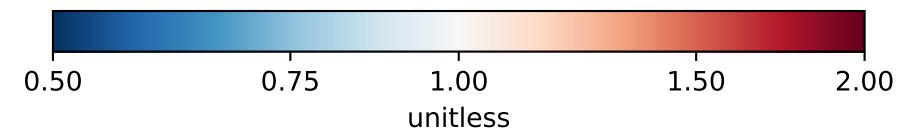
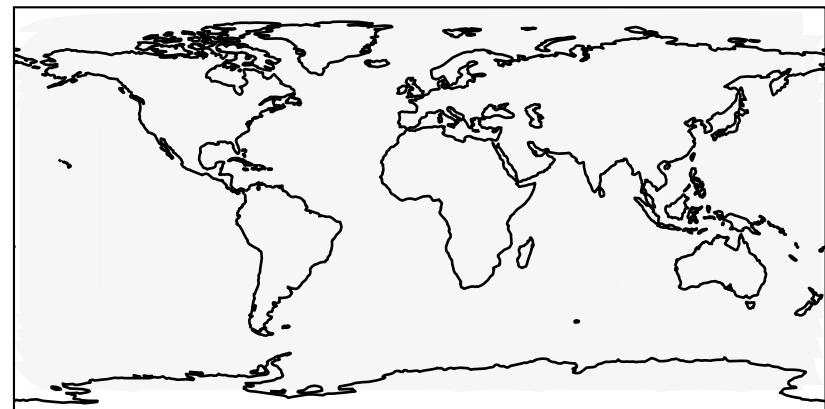
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

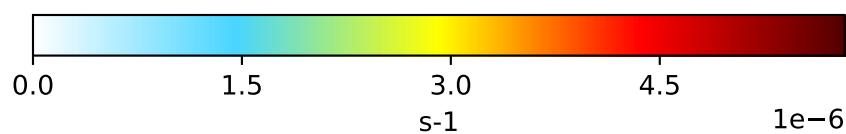
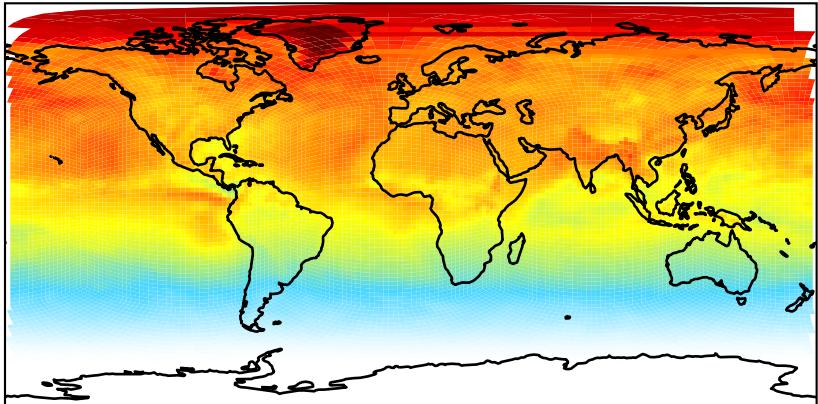


Ratio  
Dev/Ref, Fixed Range

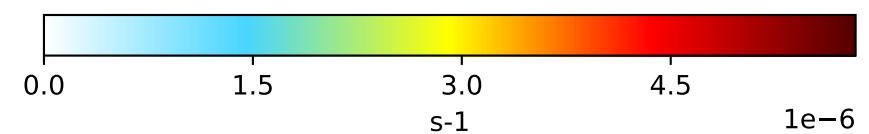
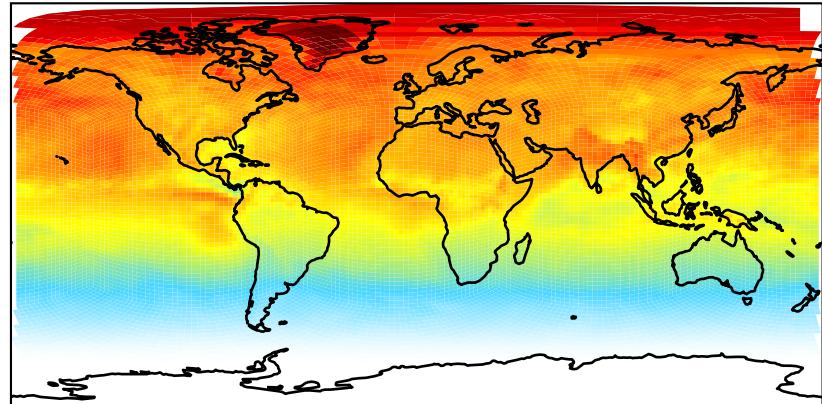


# Jval\_ATOOH

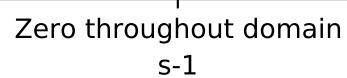
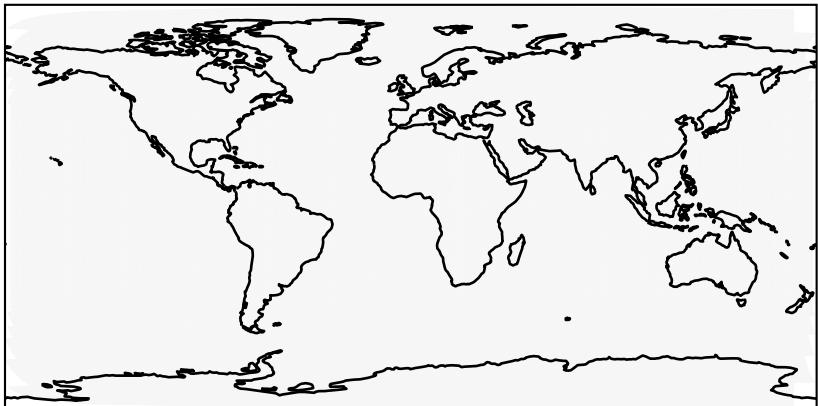
GCHP\_13.2.0-beta.0 (Ref)  
c48



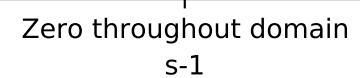
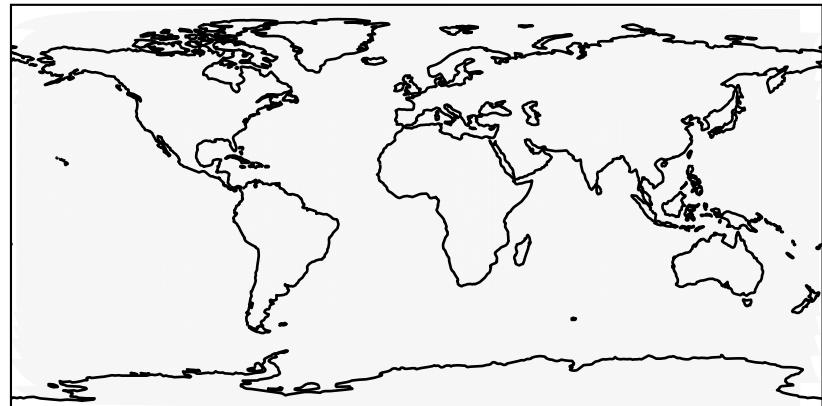
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



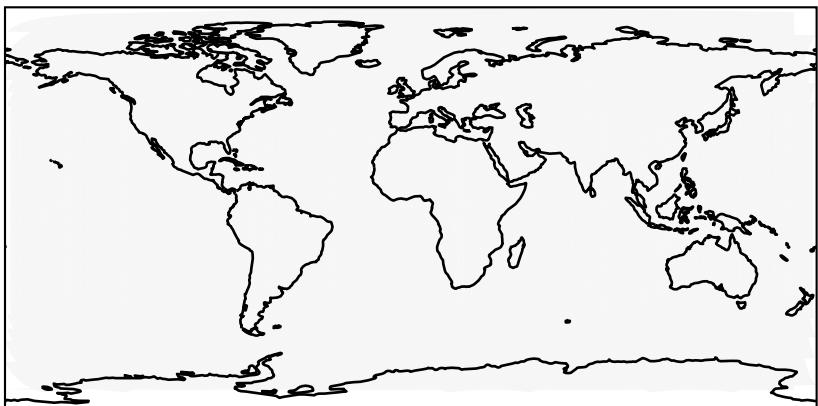
Difference  
Dev - Ref, Dynamic Range



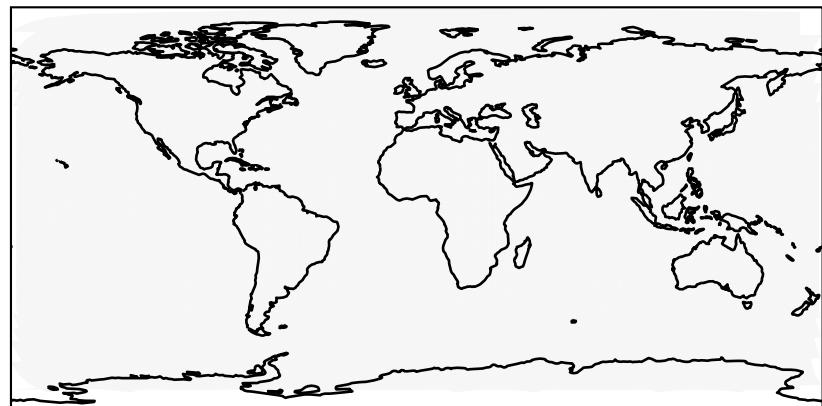
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

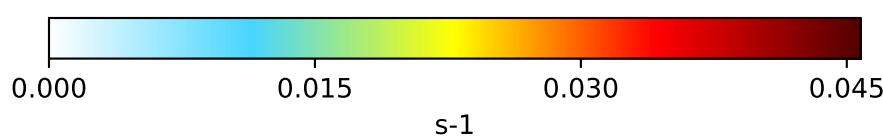
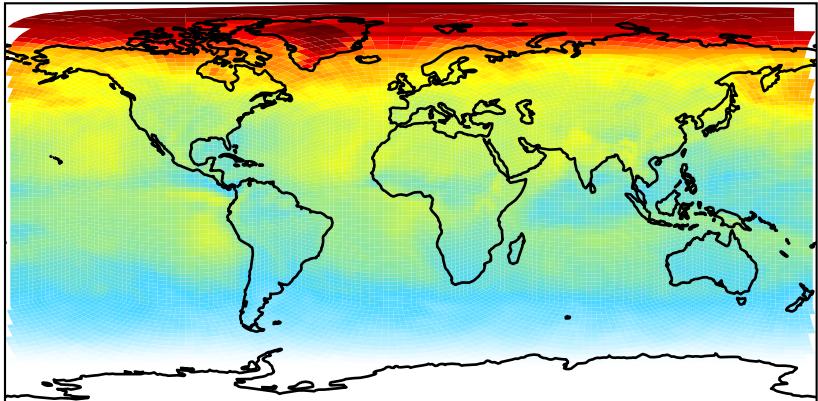


Ratio  
Dev/Ref, Fixed Range

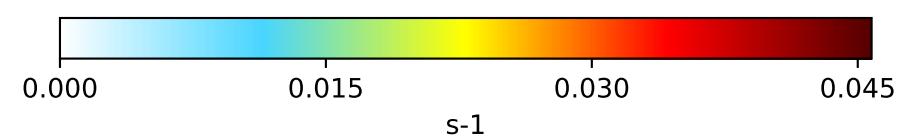
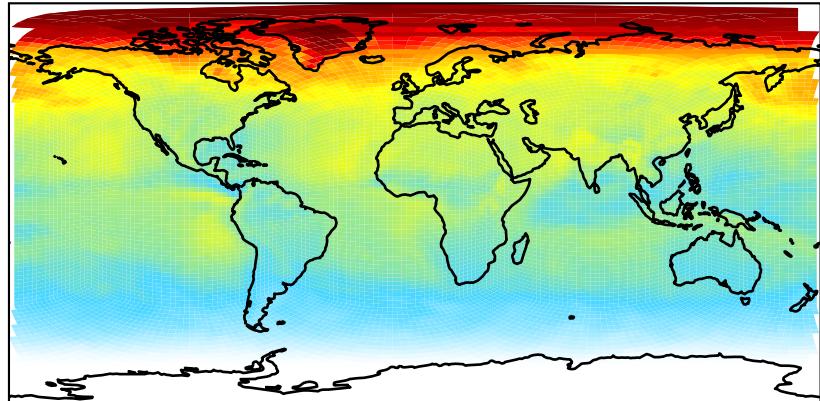


# Jval\_Br2

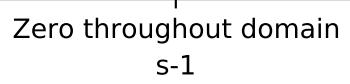
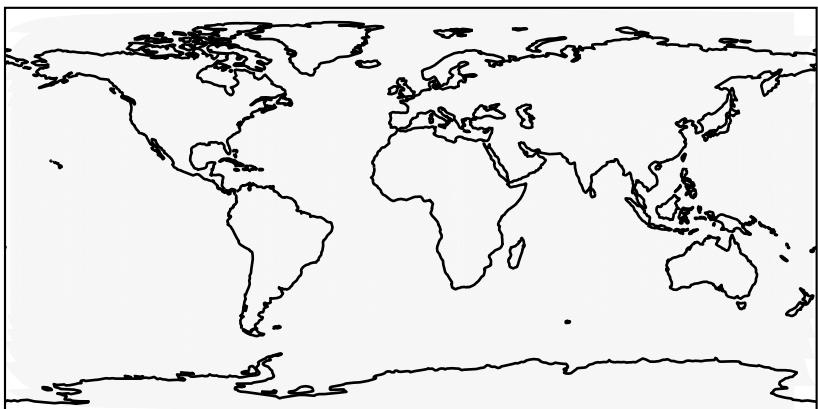
GCHP\_13.2.0-beta.0 (Ref)  
c48



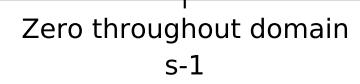
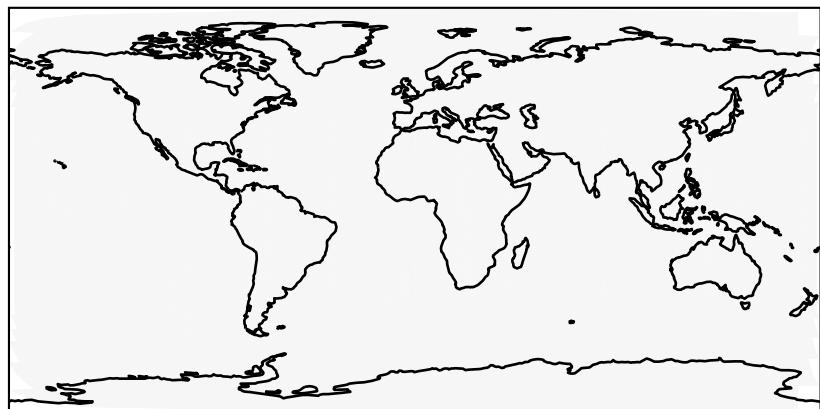
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



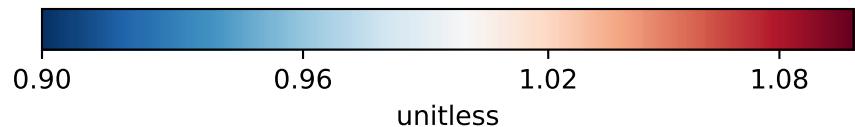
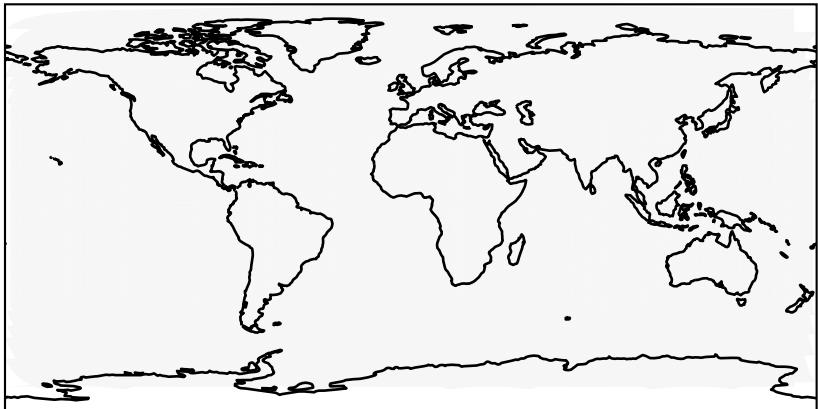
Difference  
Dev - Ref, Dynamic Range



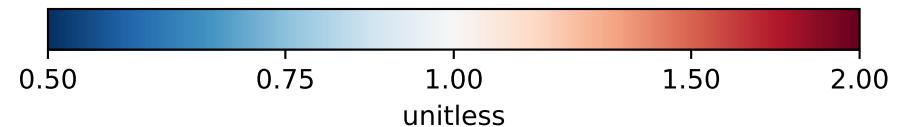
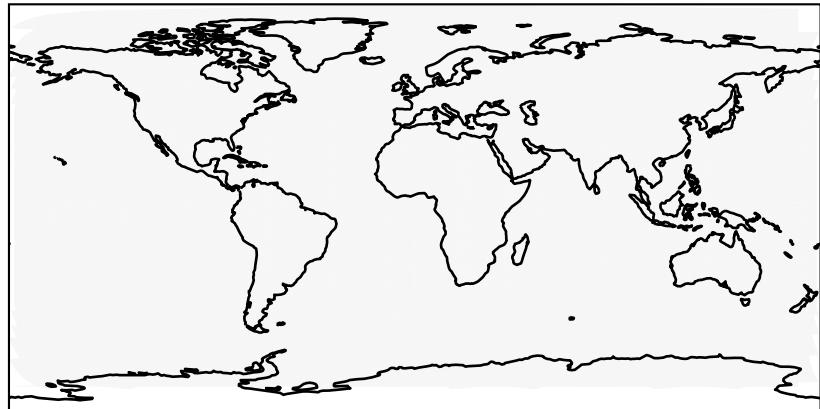
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

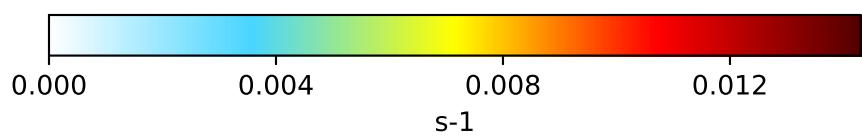
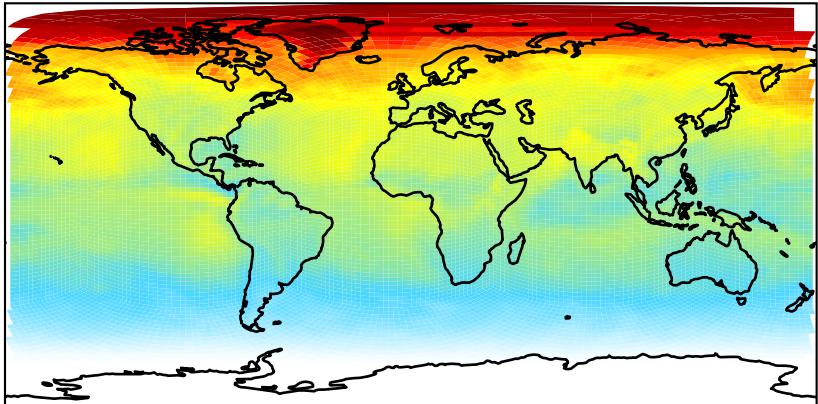


Ratio  
Dev/Ref, Fixed Range

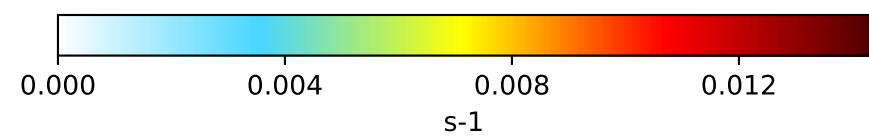
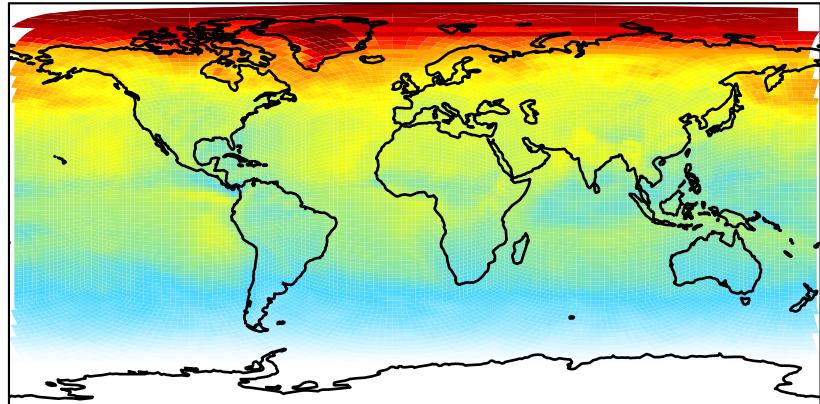


# Jval\_BrCl

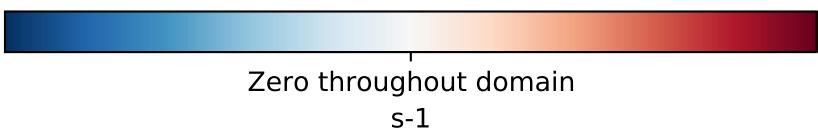
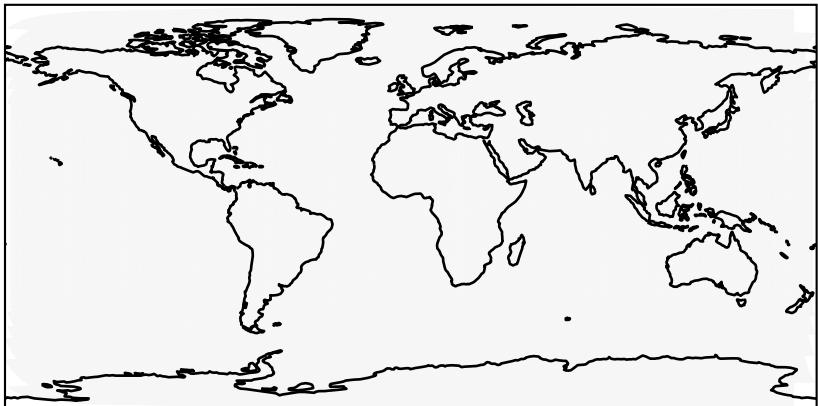
GCHP\_13.2.0-beta.0 (Ref)  
c48



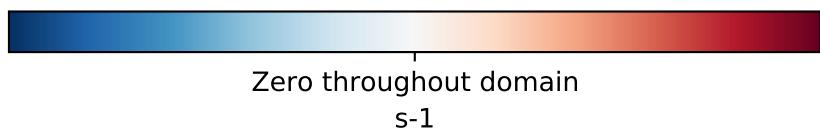
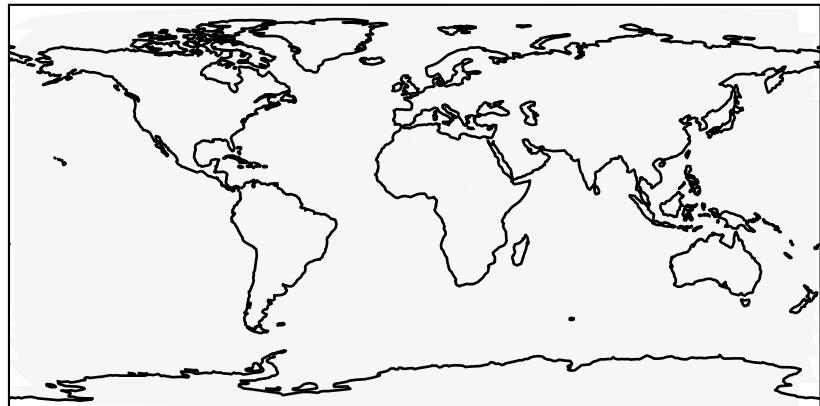
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



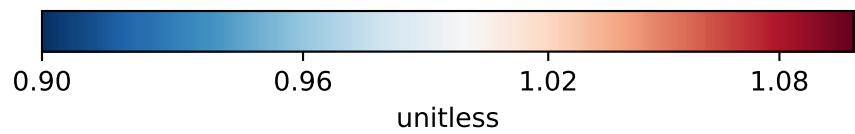
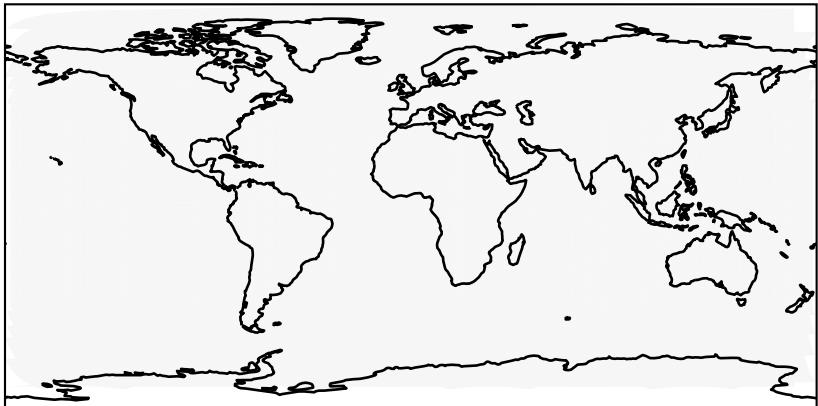
Difference  
Dev - Ref, Dynamic Range



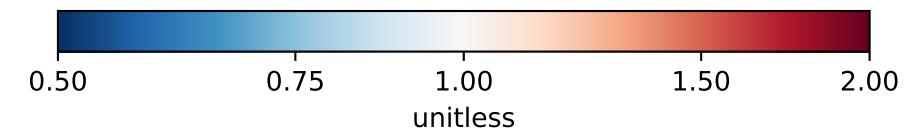
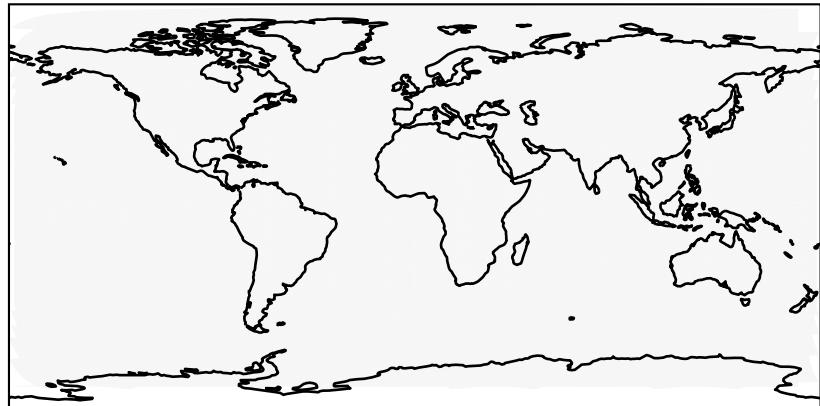
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

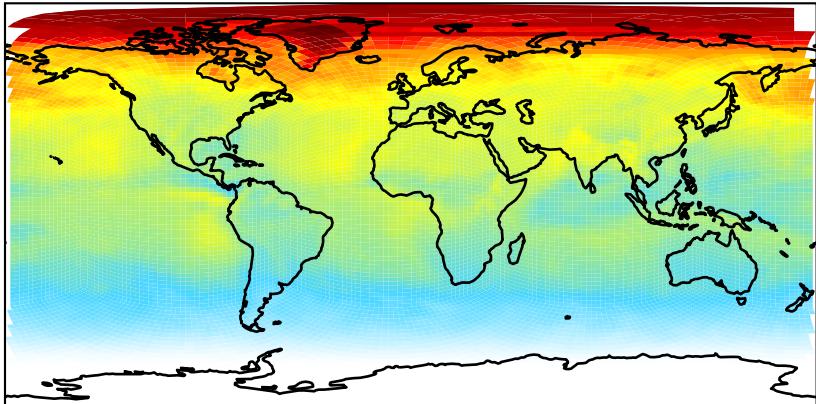


Ratio  
Dev/Ref, Fixed Range

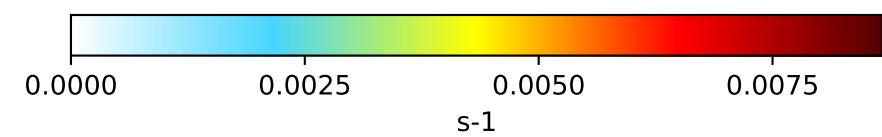
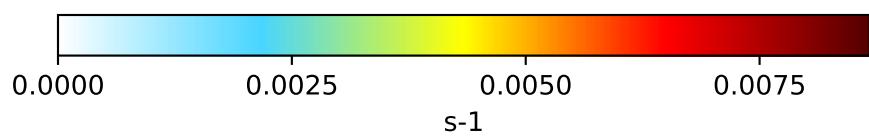
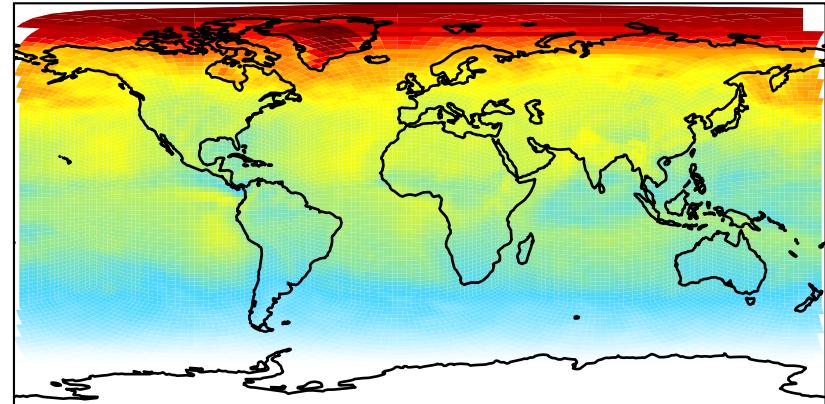


# Jval\_BrNO2

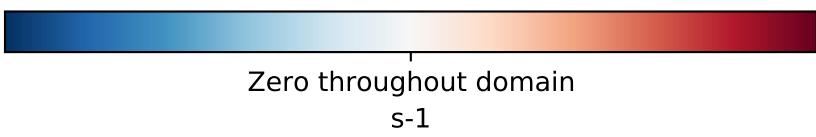
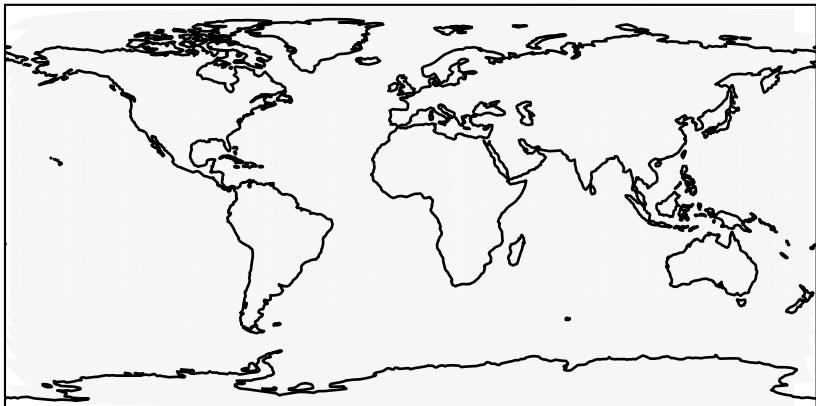
GCHP\_13.2.0-beta.0 (Ref)  
c48



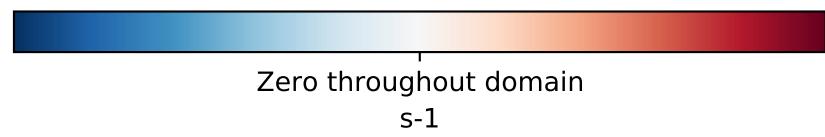
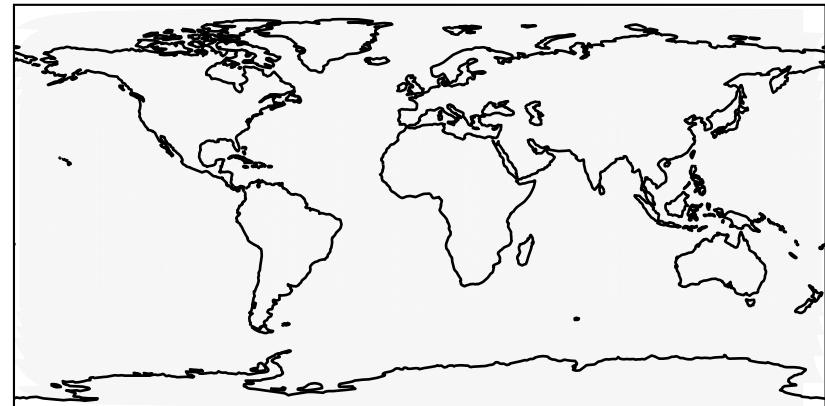
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



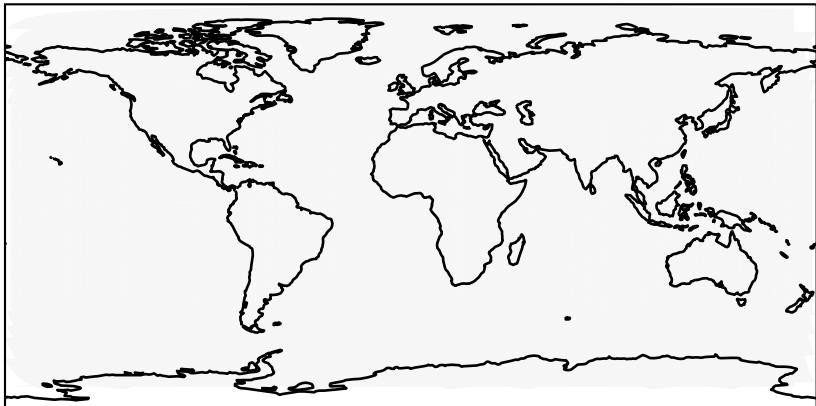
Difference  
Dev - Ref, Dynamic Range



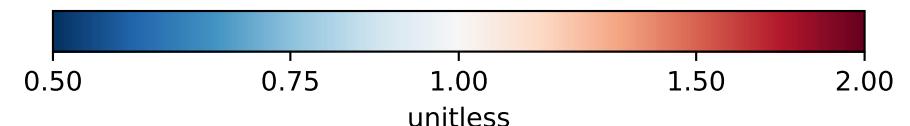
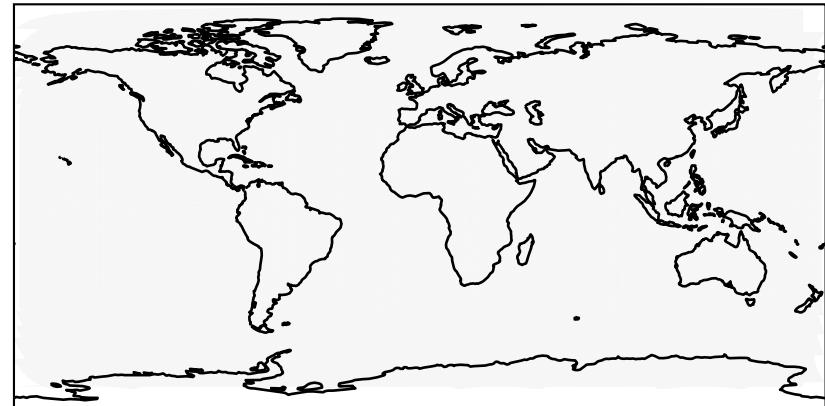
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

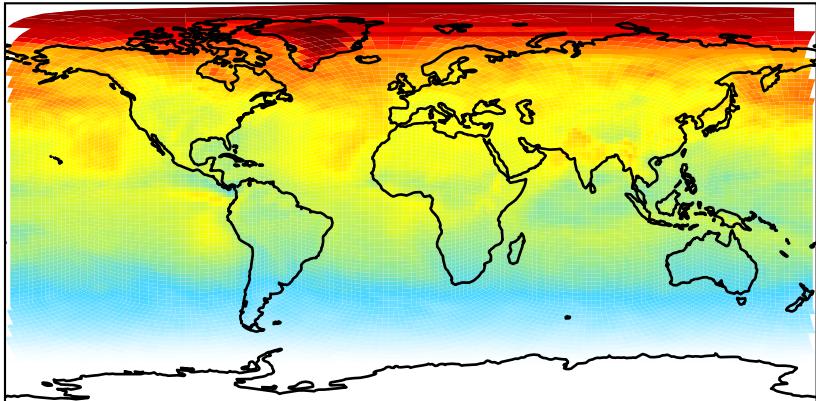


Ratio  
Dev/Ref, Fixed Range

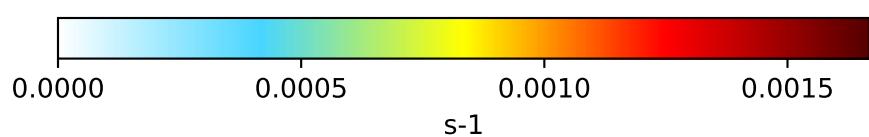
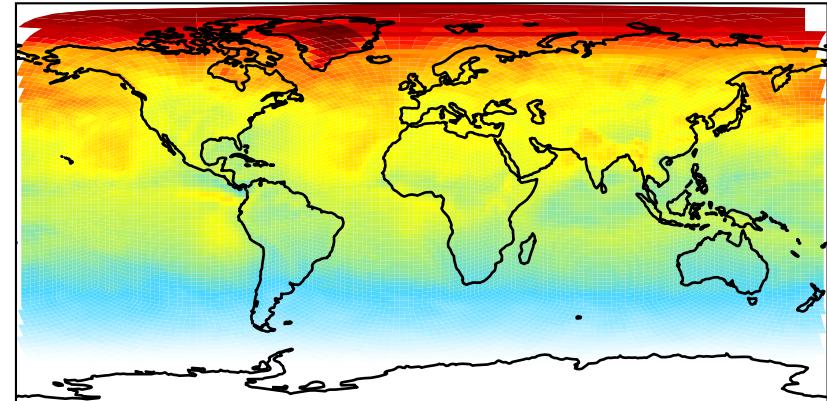


# Jval\_BrNO3

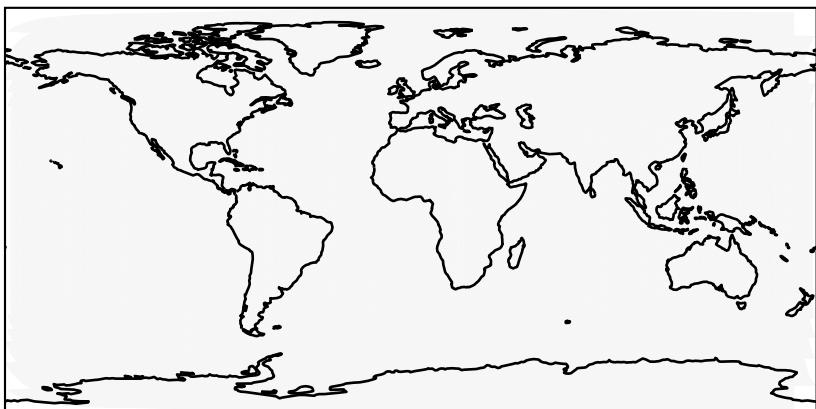
GCHP\_13.2.0-beta.0 (Ref)  
c48



GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48

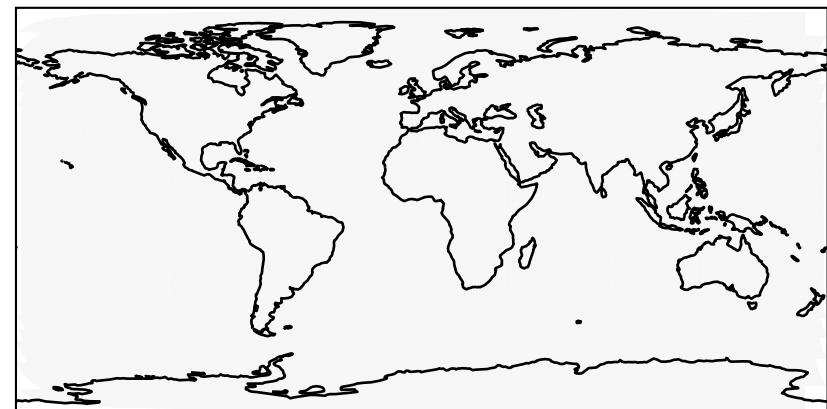


Difference  
Dev - Ref, Dynamic Range



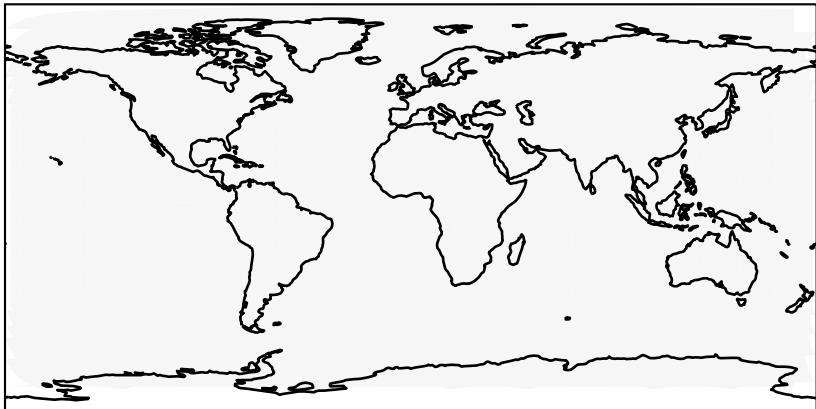
Zero throughout domain  
s-1

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



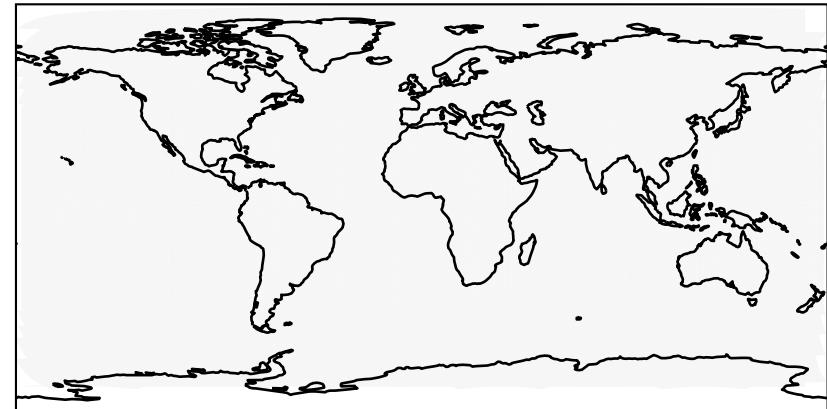
Zero throughout domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.90      0.96      1.02      1.08  
unitless

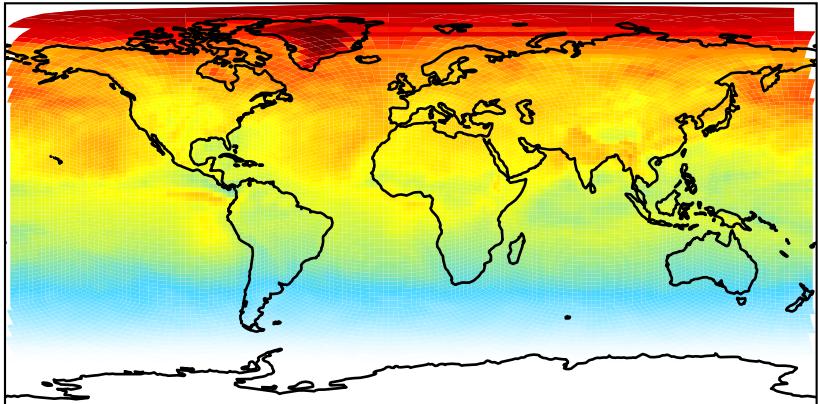
Ratio  
Dev/Ref, Fixed Range



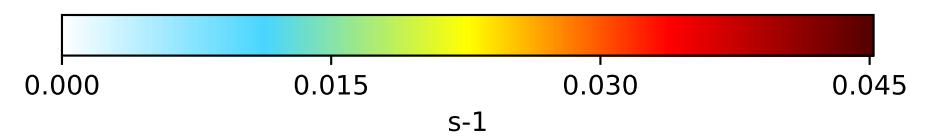
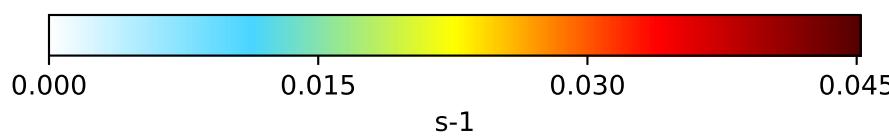
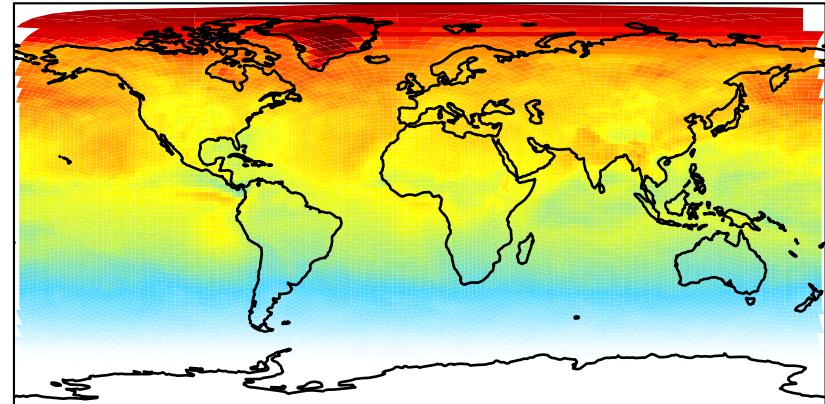
0.50      0.75      1.00      1.50      2.00  
unitless

# Jval\_BrO

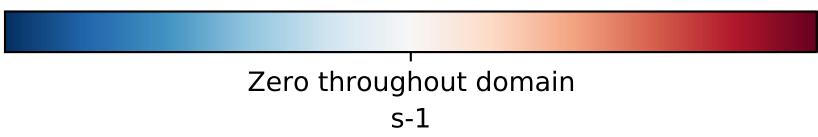
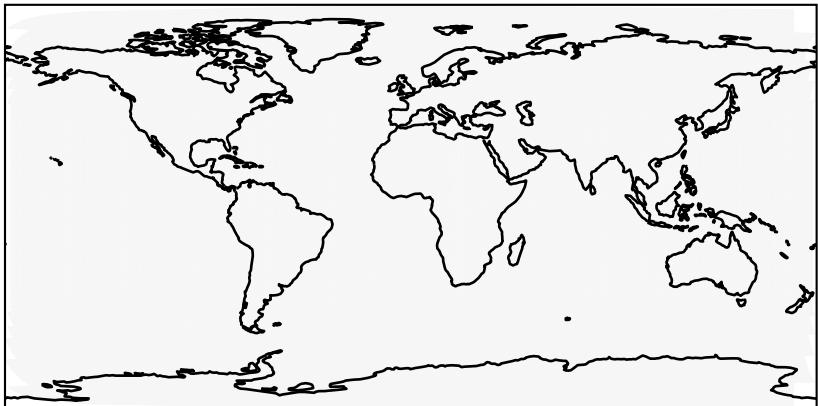
GCHP\_13.2.0-beta.0 (Ref)  
c48



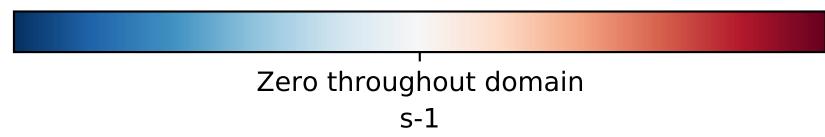
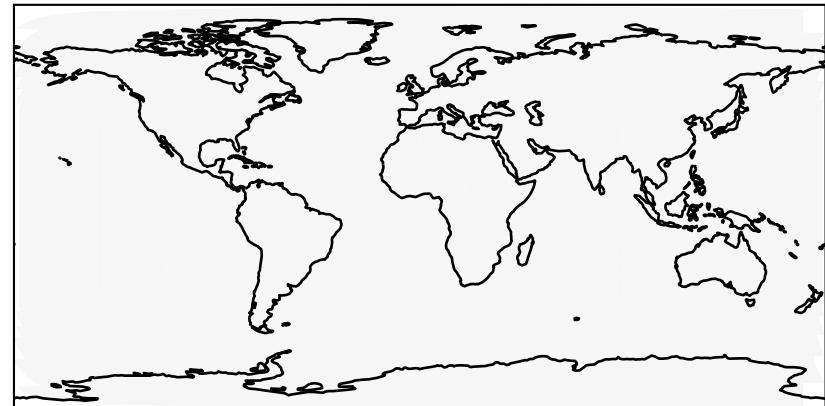
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



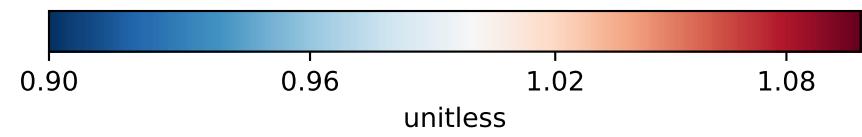
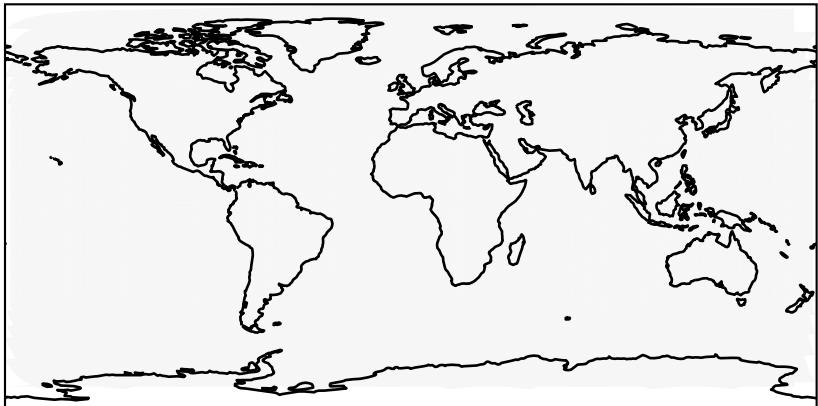
Difference  
Dev - Ref, Dynamic Range



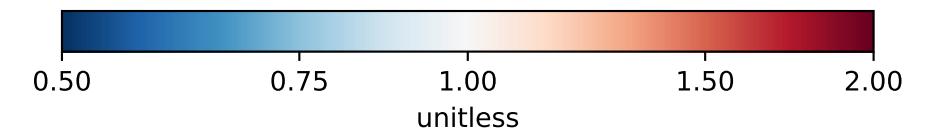
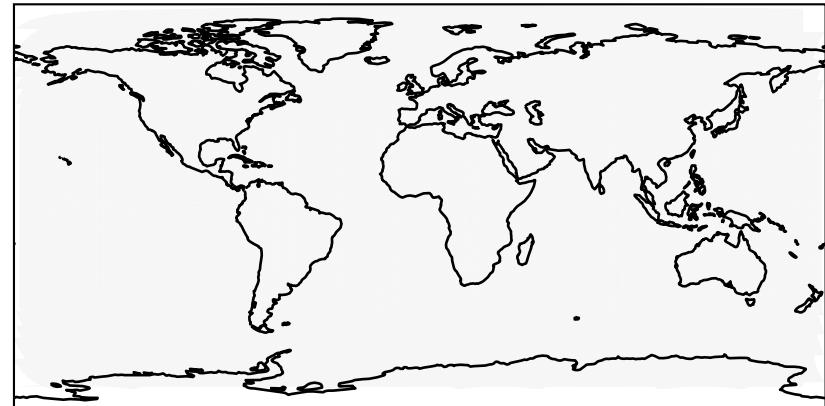
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

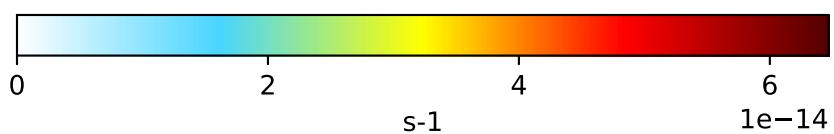
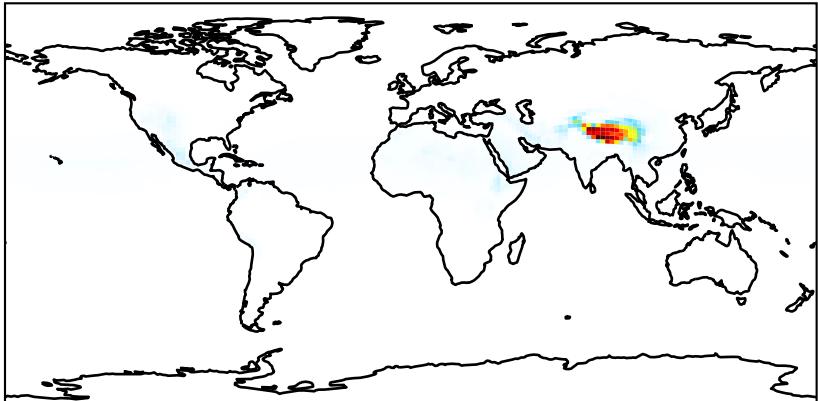


Ratio  
Dev/Ref, Fixed Range

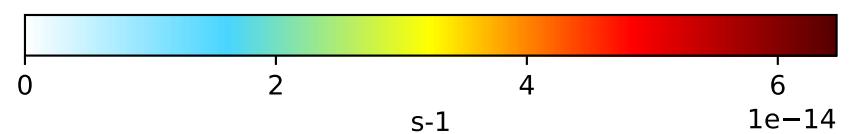
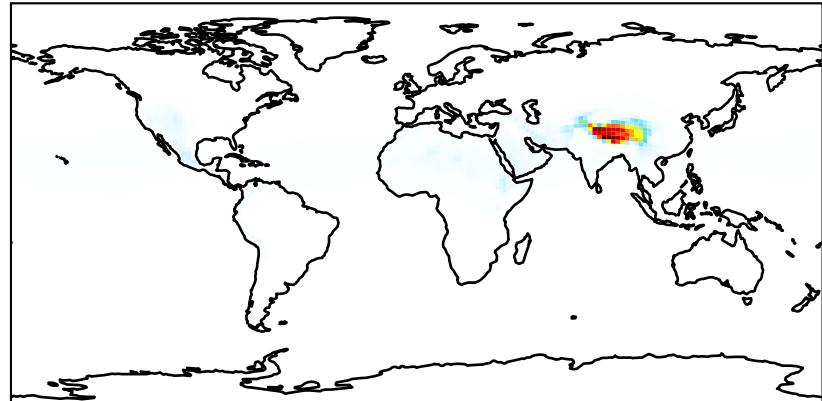


# Jval\_CCI4

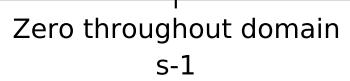
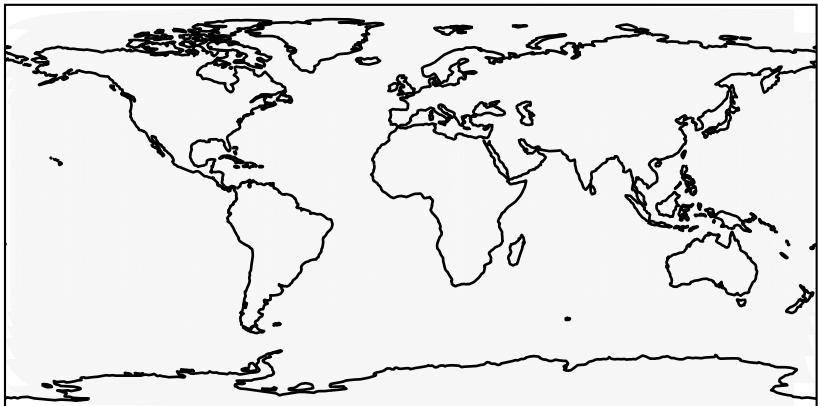
GCHP\_13.2.0-beta.0 (Ref)  
c48



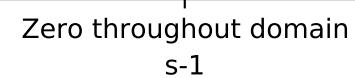
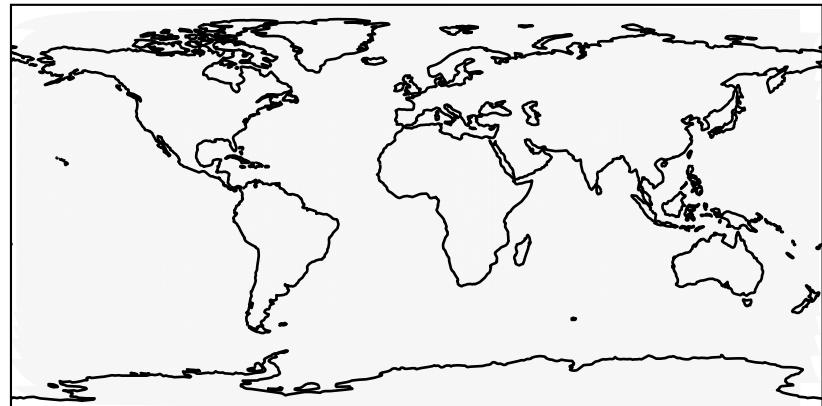
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



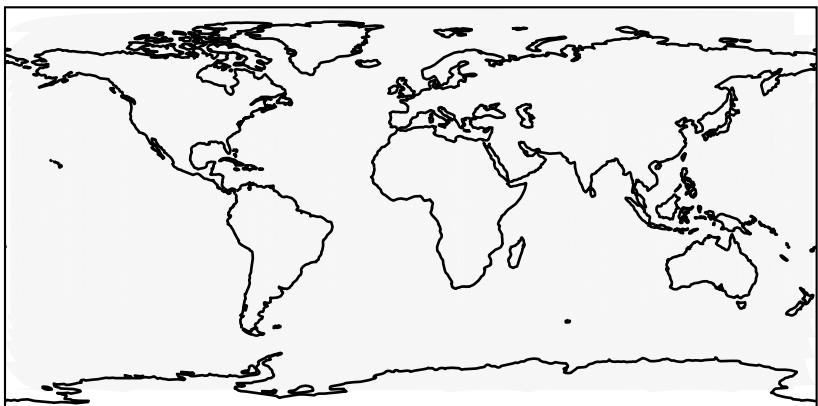
Difference  
Dev - Ref, Dynamic Range



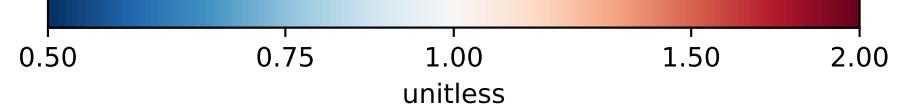
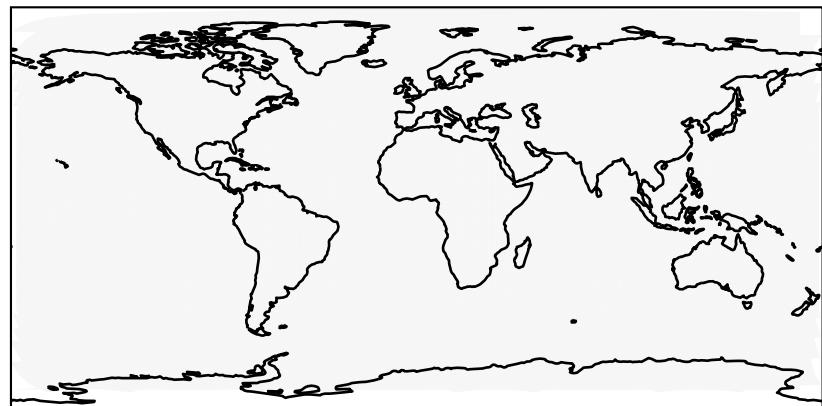
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

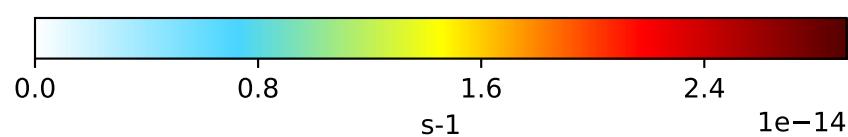
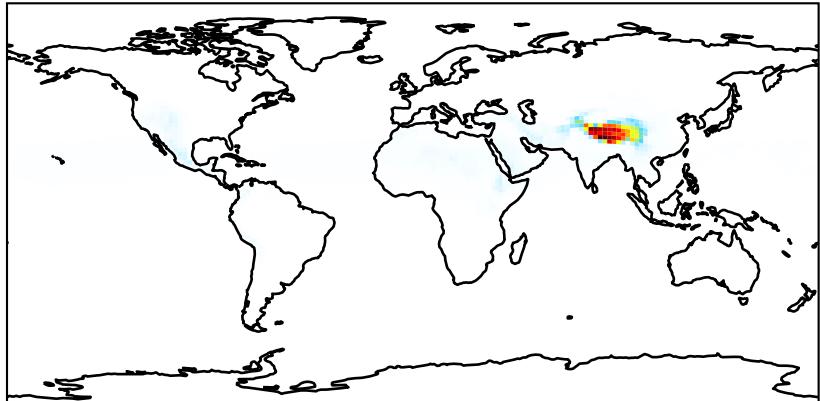


Ratio  
Dev/Ref, Fixed Range

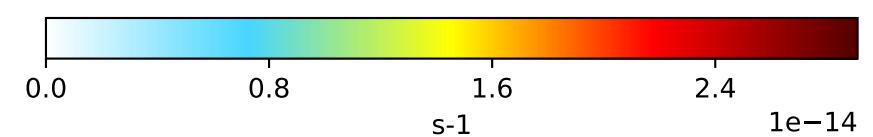
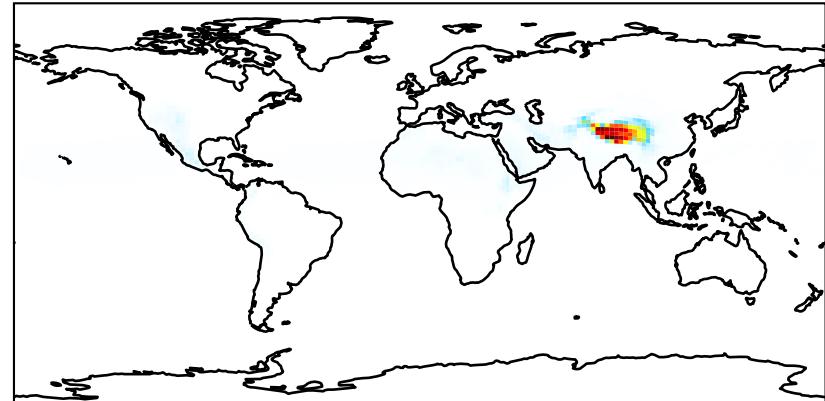


# Jval\_CFC11

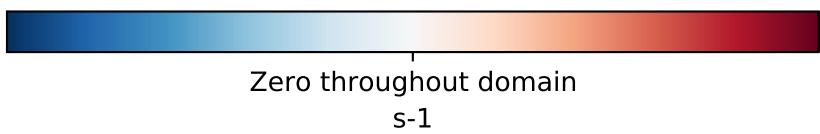
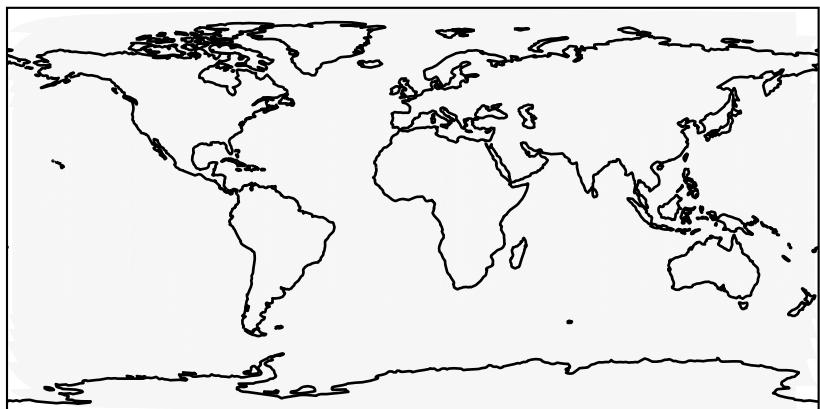
GCHP\_13.2.0-beta.0 (Ref)  
c48



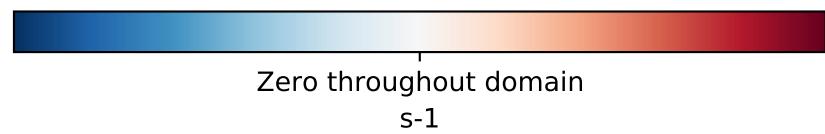
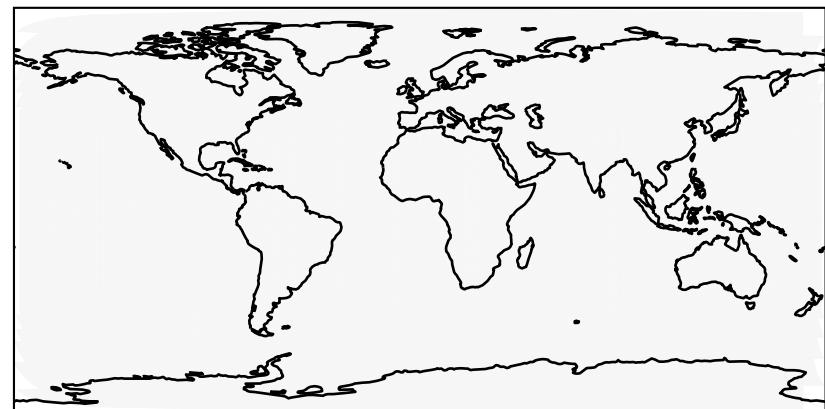
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



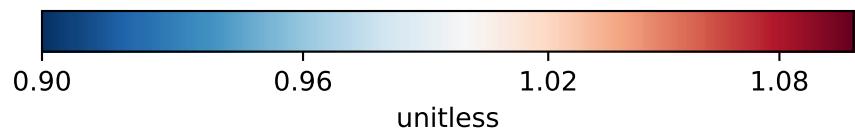
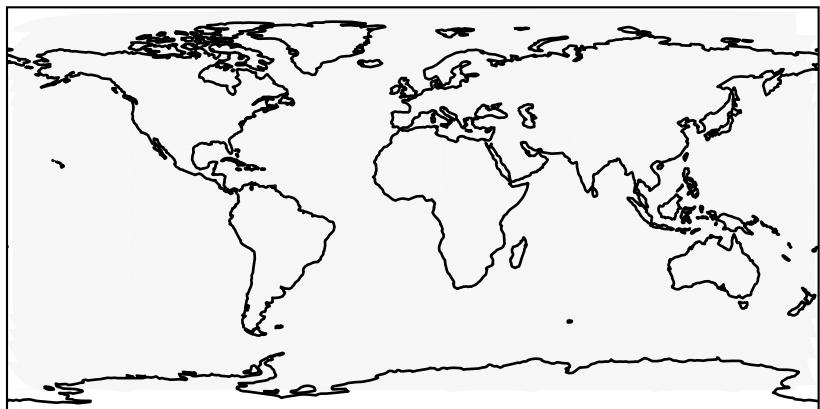
Difference  
Dev - Ref, Dynamic Range



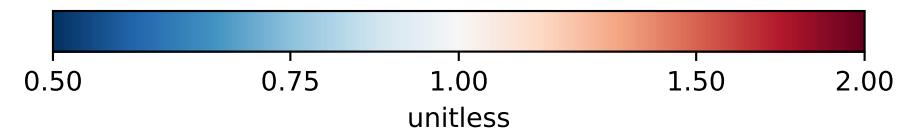
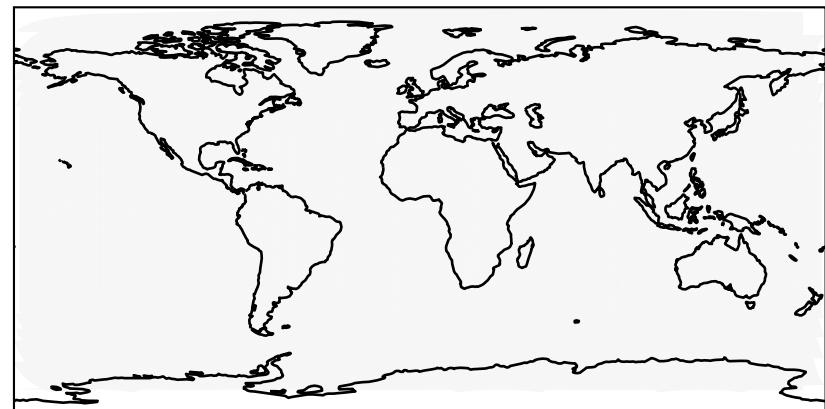
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

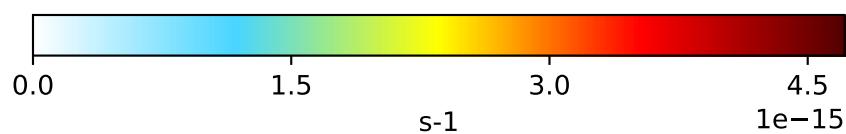
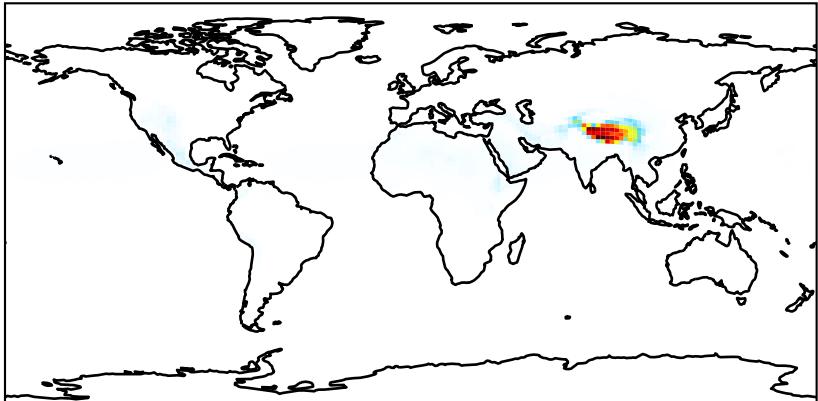


Ratio  
Dev/Ref, Fixed Range

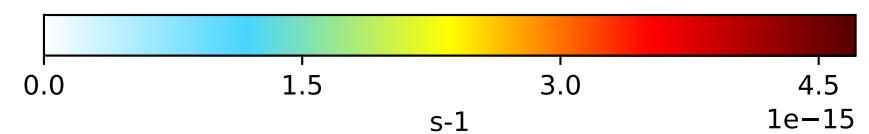
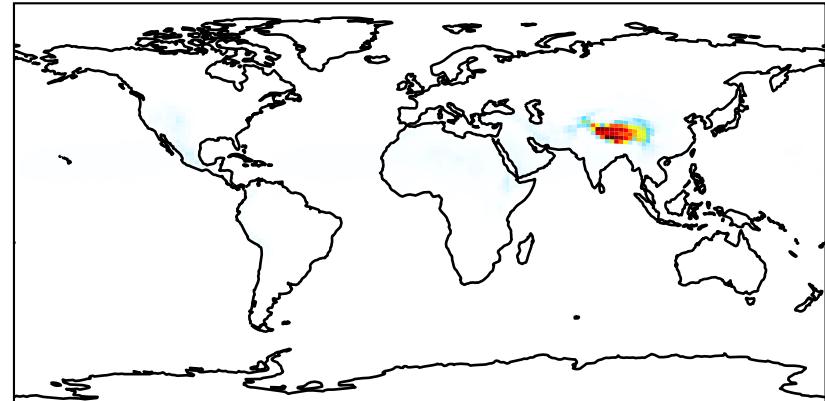


# Jval\_CFC113

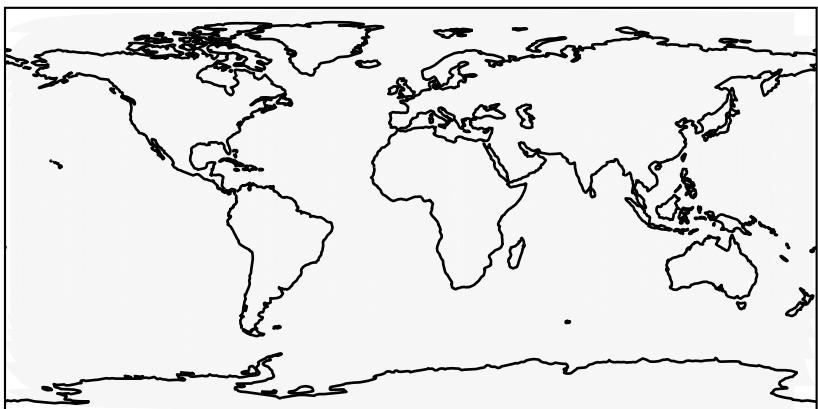
GCHP\_13.2.0-beta.0 (Ref)  
c48



GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48

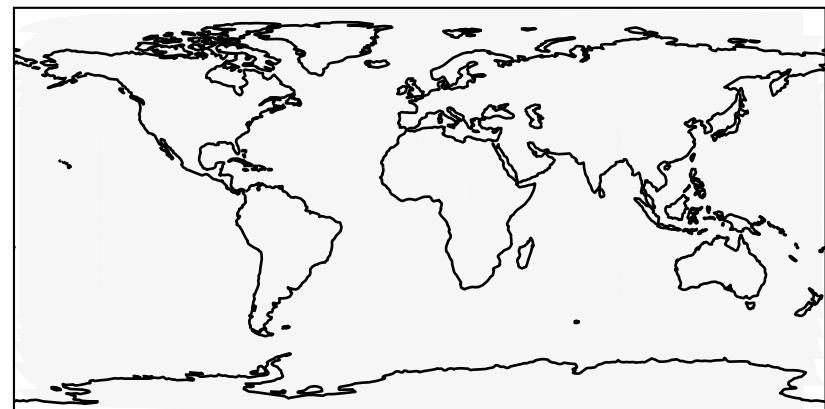


Difference  
Dev - Ref, Dynamic Range



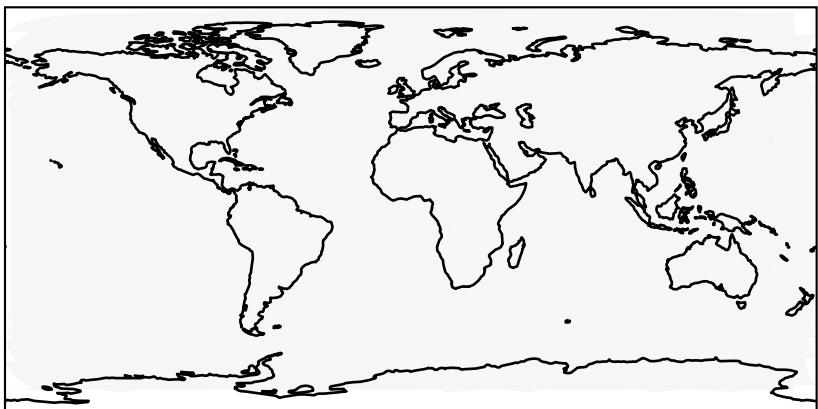
Zero throughout domain  
s<sup>-1</sup>

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



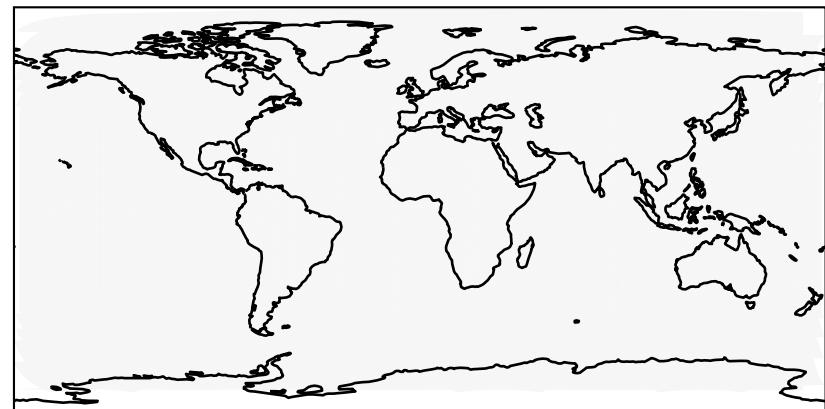
Zero throughout domain  
s<sup>-1</sup>

Ratio  
Dev/Ref, Dynamic Range



0.90      0.96      1.02      1.08  
unitless

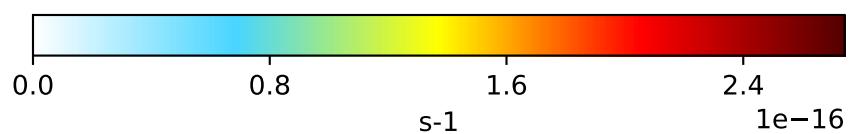
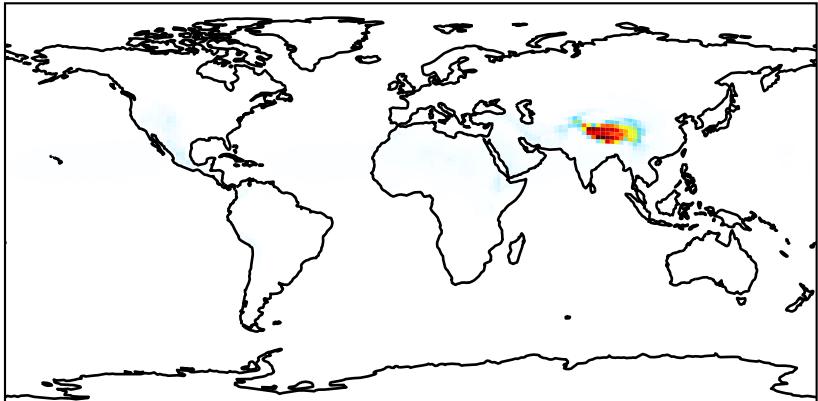
Ratio  
Dev/Ref, Fixed Range



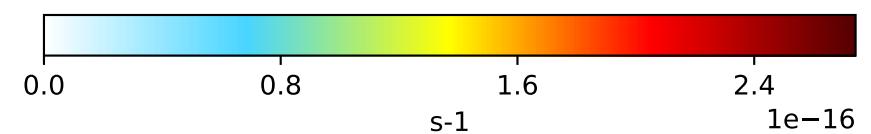
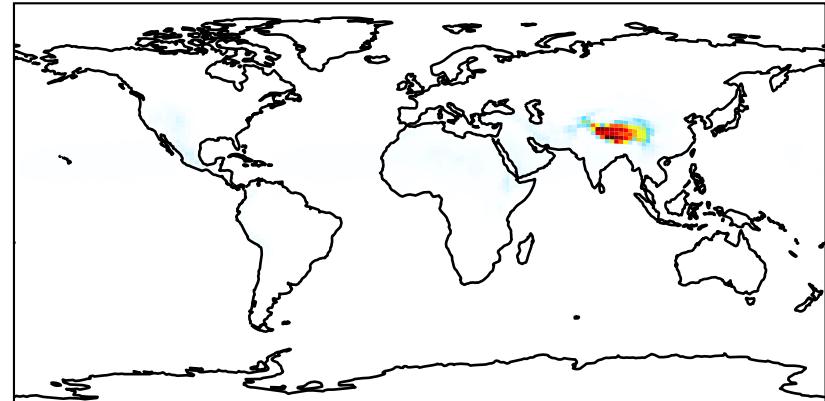
0.50      0.75      1.00      1.50      2.00  
unitless

# Jval\_CFC114

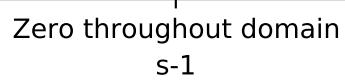
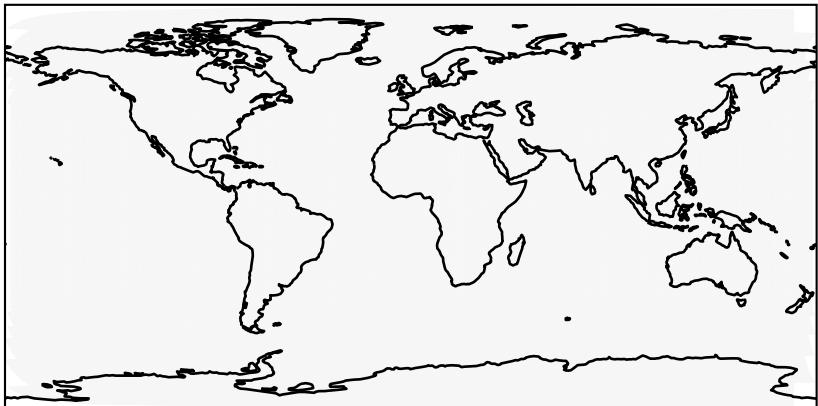
GCHP\_13.2.0-beta.0 (Ref)  
c48



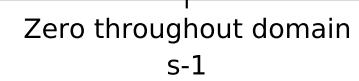
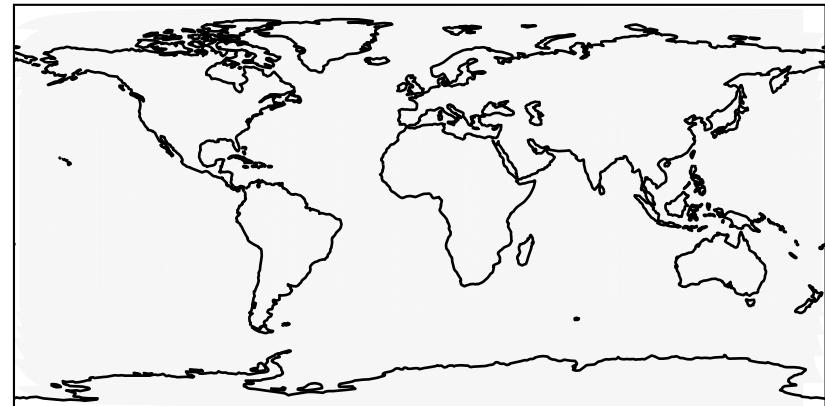
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



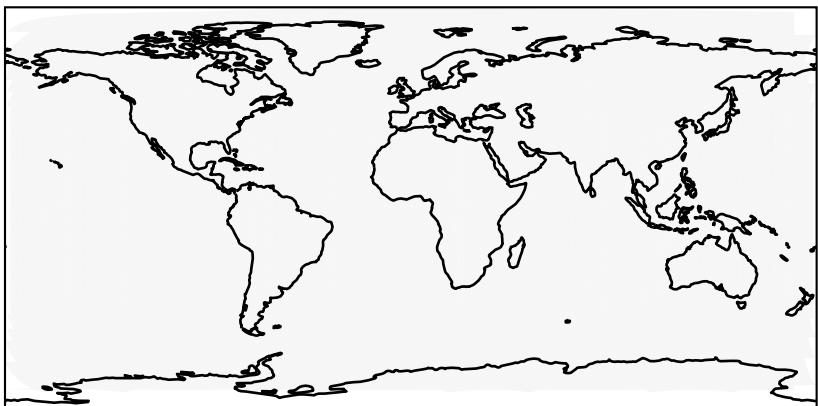
Difference  
Dev - Ref, Dynamic Range



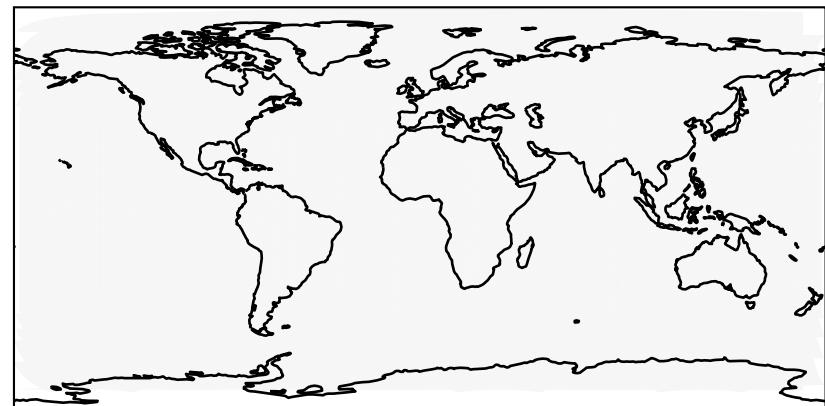
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

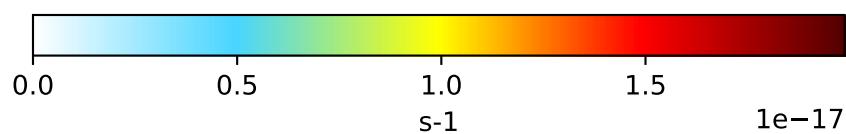
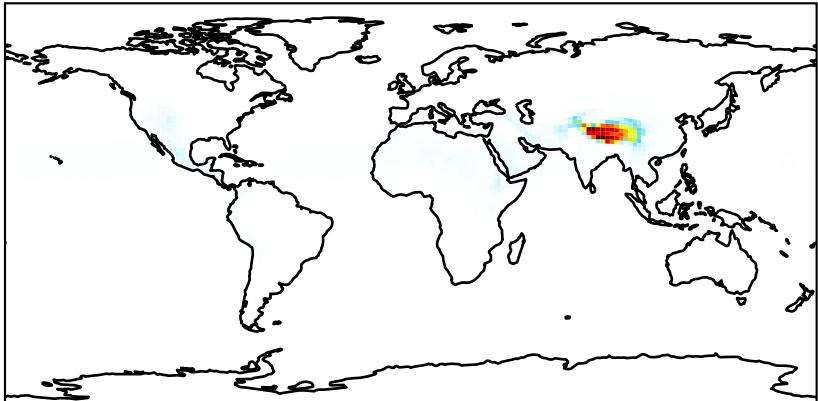


Ratio  
Dev/Ref, Fixed Range

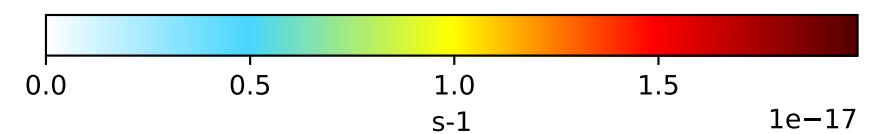
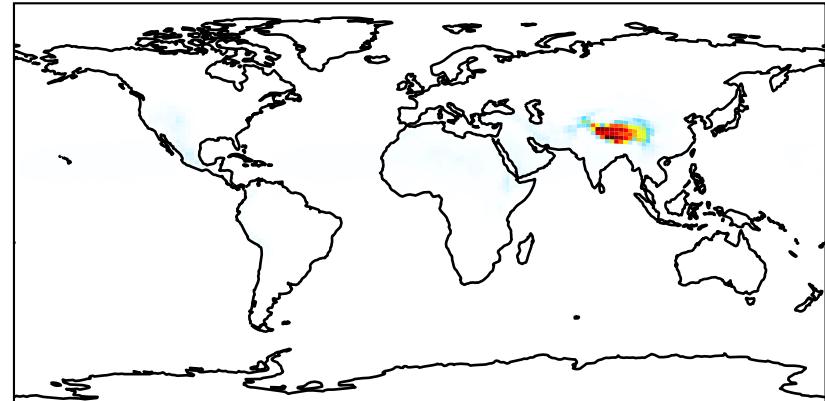


# Jval\_CFC115

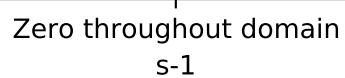
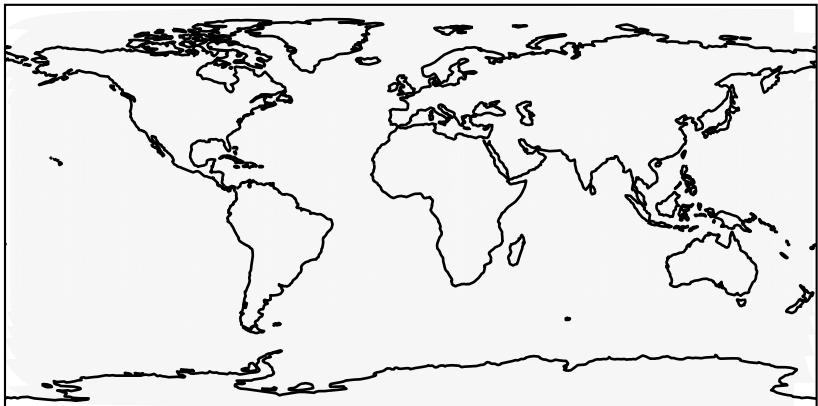
GCHP\_13.2.0-beta.0 (Ref)  
c48



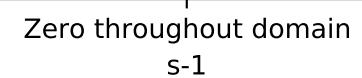
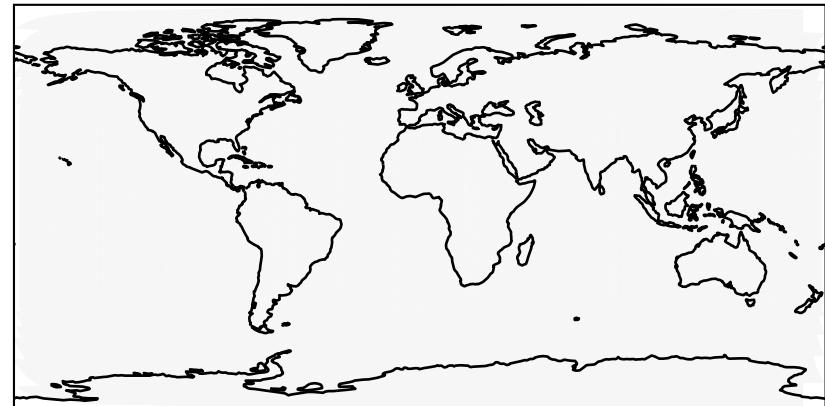
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



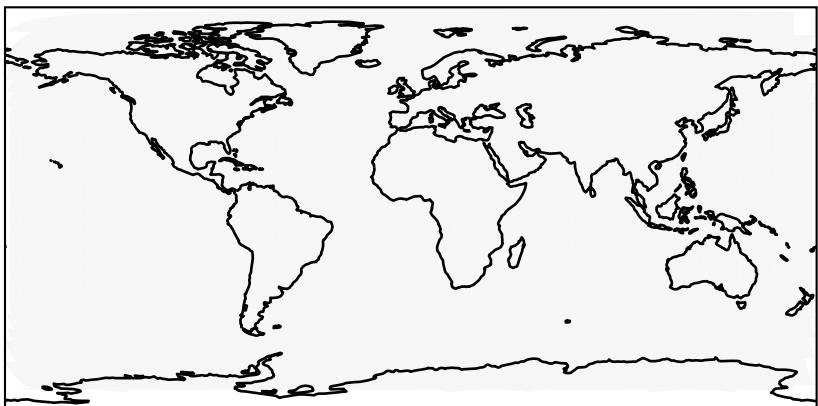
Difference  
Dev - Ref, Dynamic Range



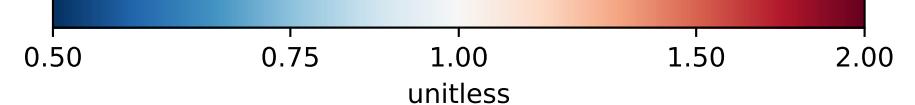
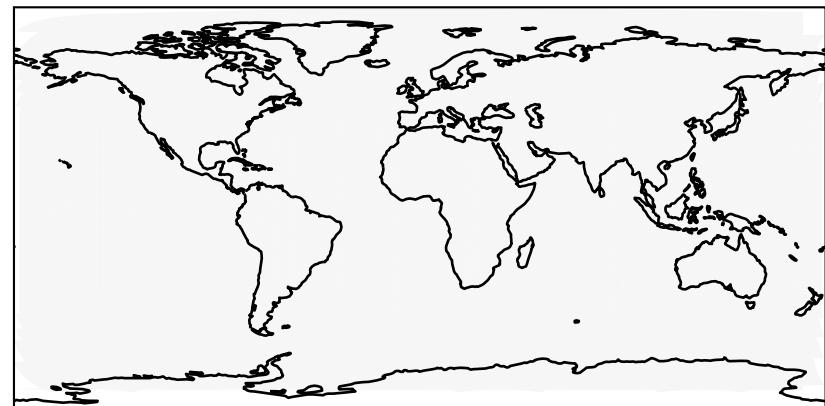
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

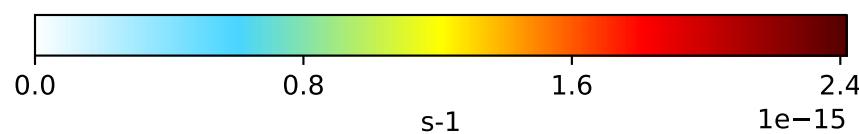
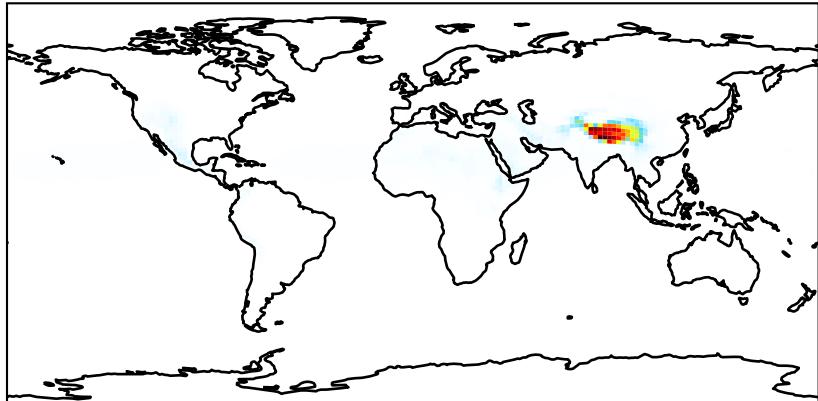


Ratio  
Dev/Ref, Fixed Range

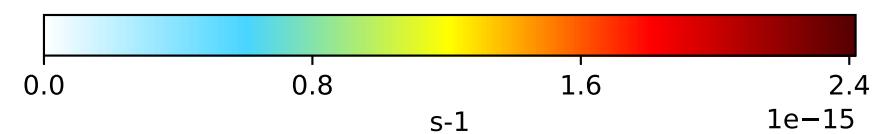
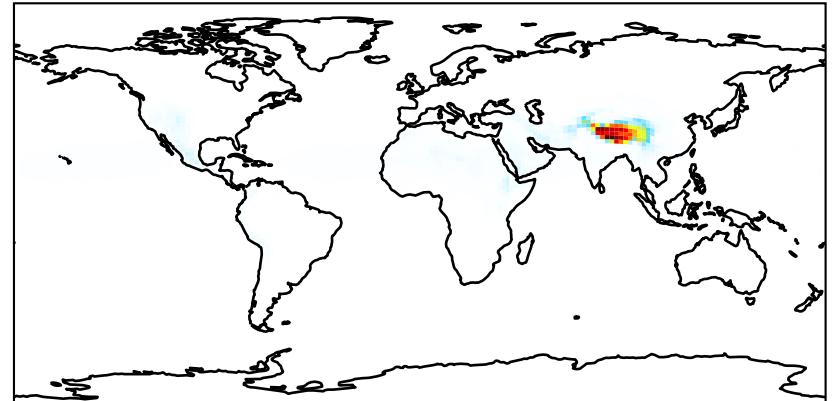


# Jval\_CFC12

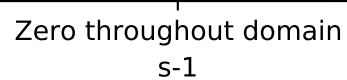
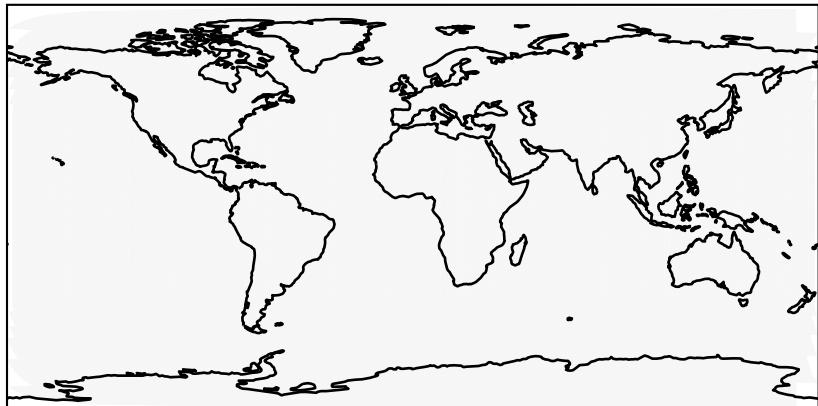
GCHP\_13.2.0-beta.0 (Ref)  
c48



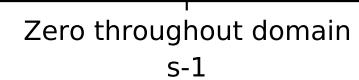
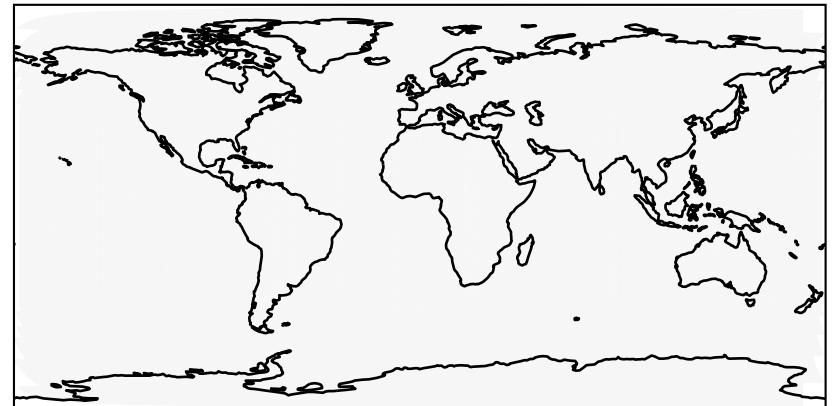
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



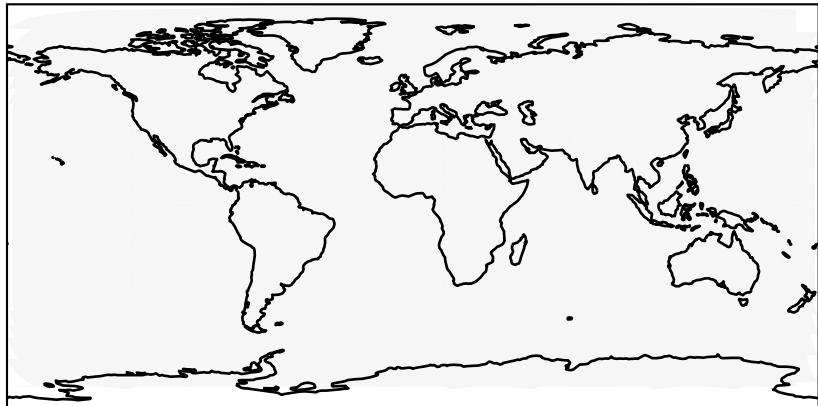
Difference  
Dev - Ref, Dynamic Range



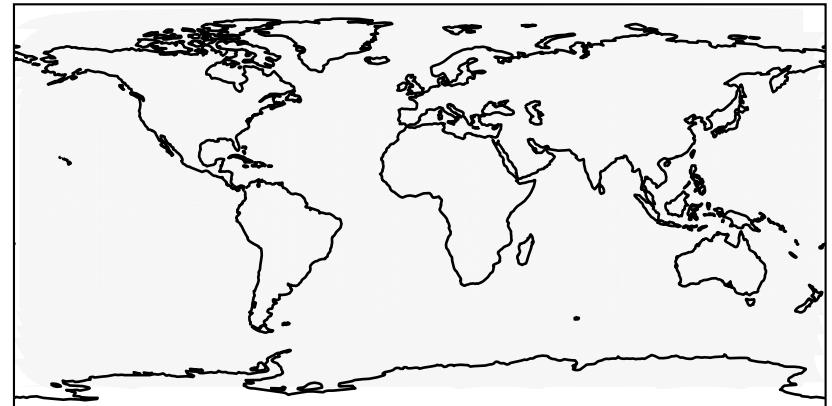
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

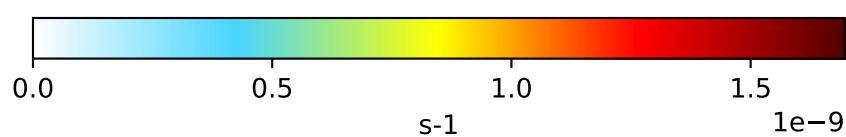
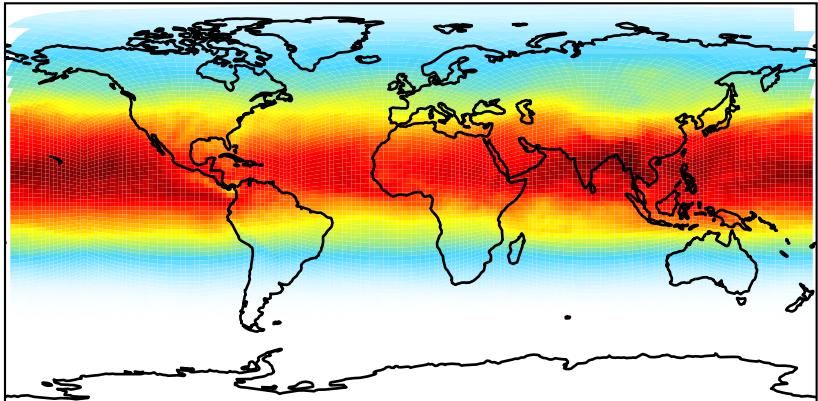


Ratio  
Dev/Ref, Fixed Range

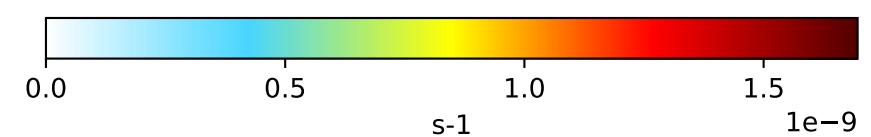
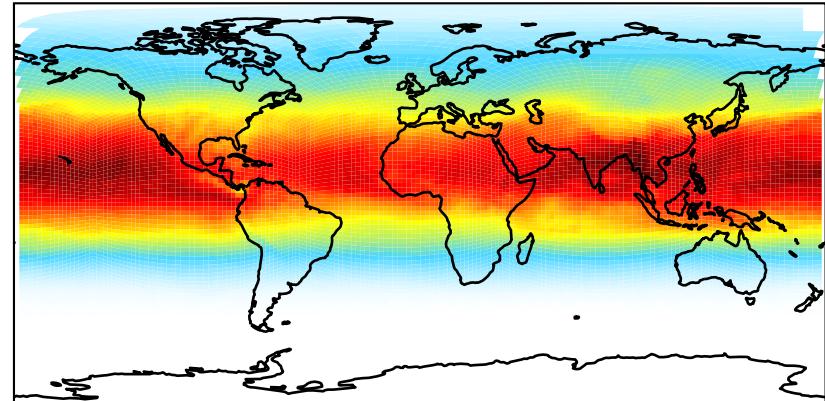


# Jval\_CH2Br2

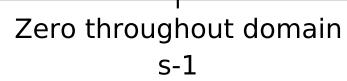
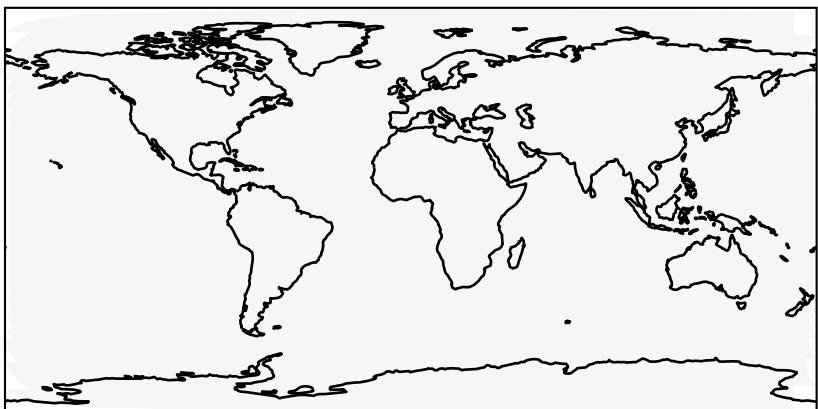
GCHP\_13.2.0-beta.0 (Ref)  
c48



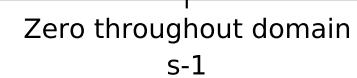
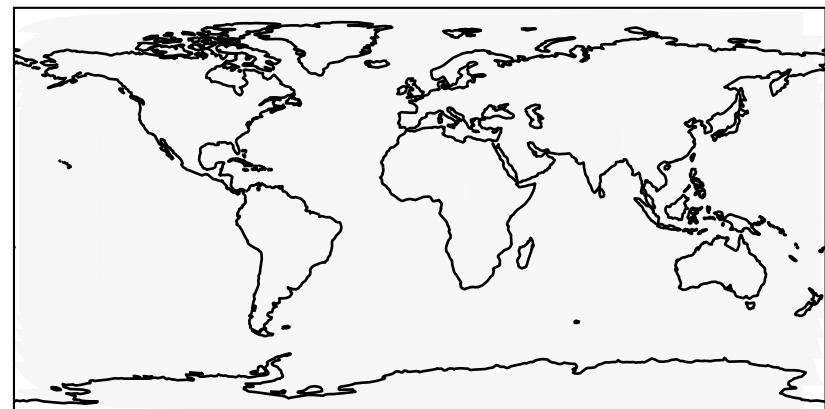
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



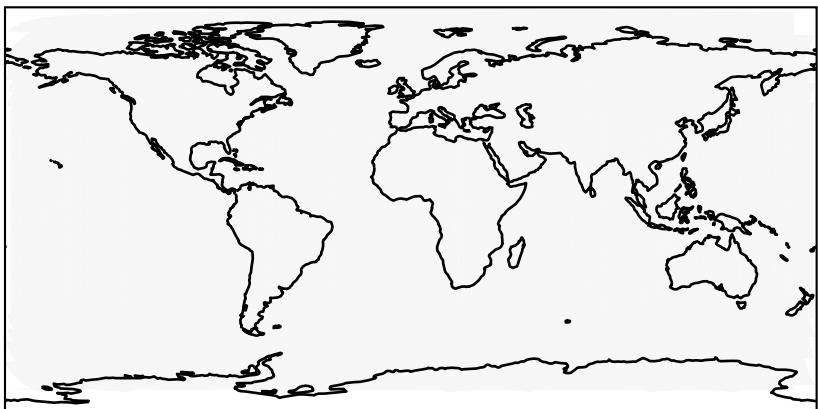
Difference  
Dev - Ref, Dynamic Range



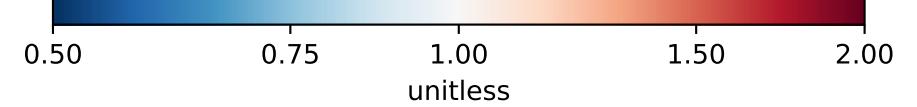
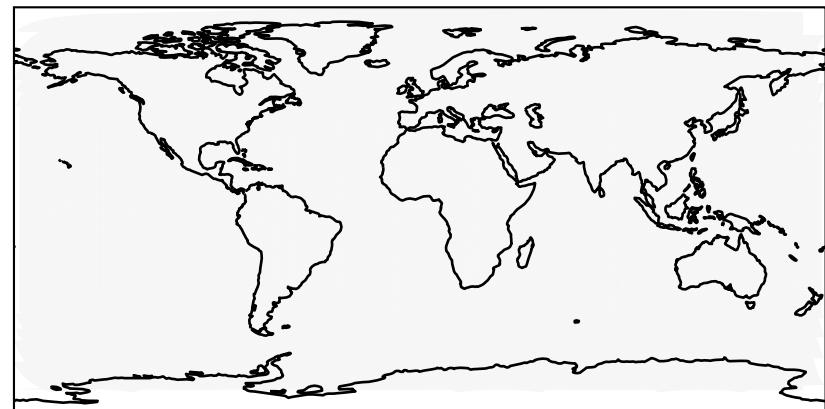
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

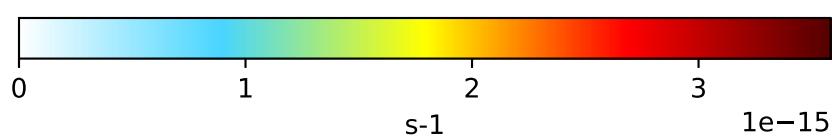
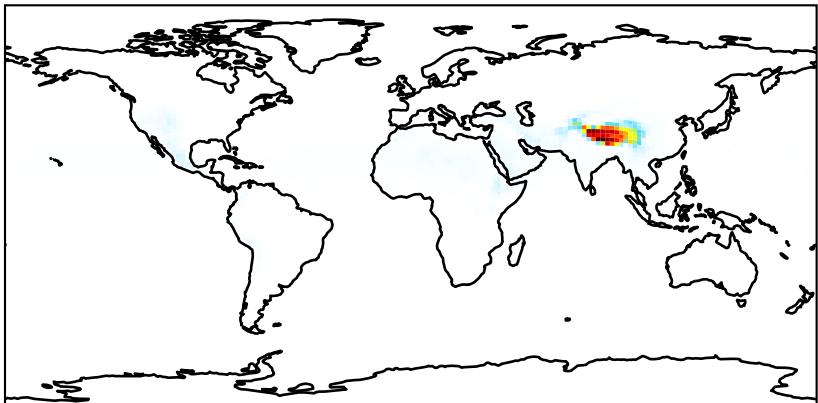


Ratio  
Dev/Ref, Fixed Range

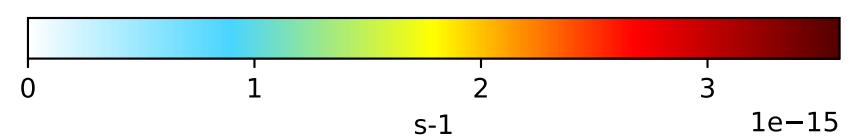
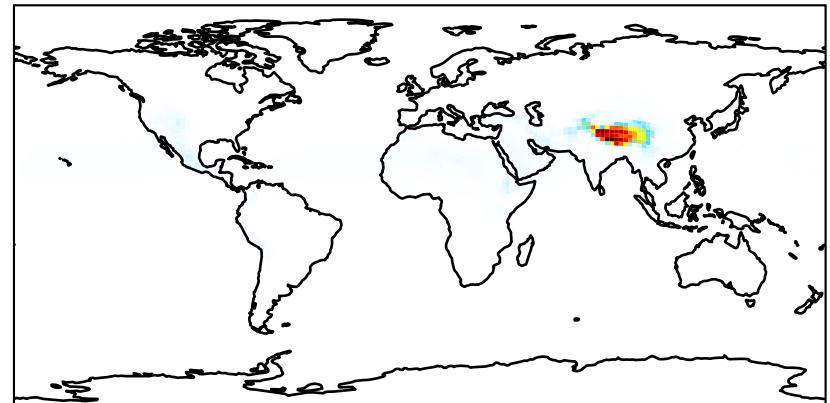


# Jval\_CH2Cl2

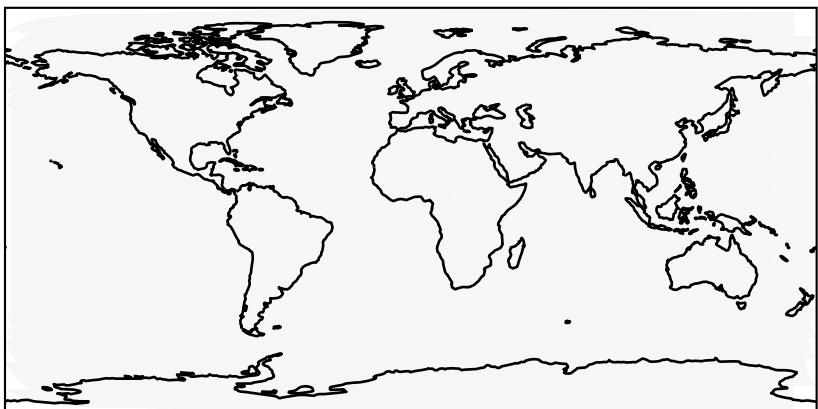
GCHP\_13.2.0-beta.0 (Ref)  
c48



GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48

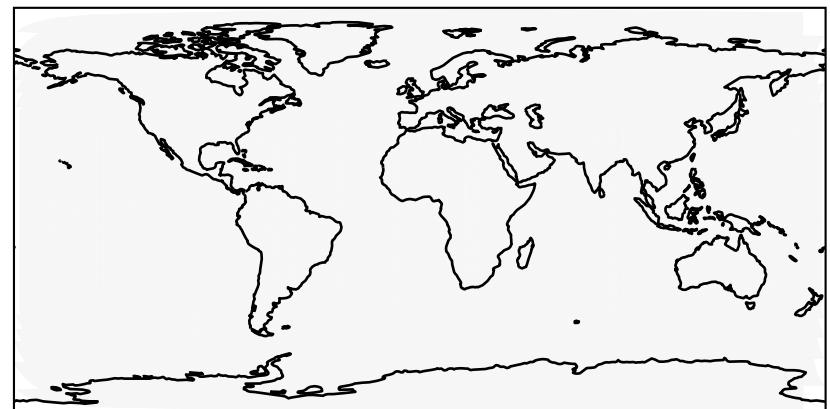


Difference  
Dev - Ref, Dynamic Range



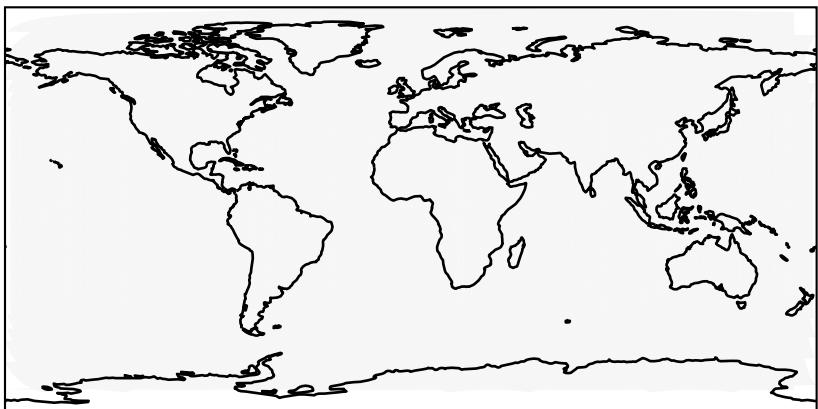
Zero throughout domain  
s<sup>-1</sup>

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



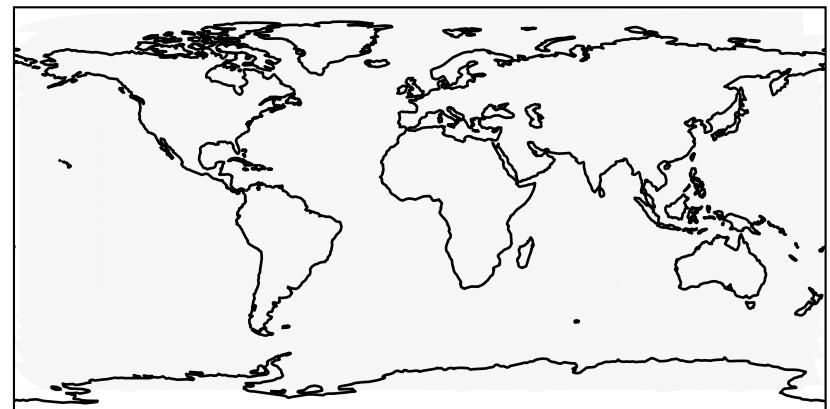
Zero throughout domain  
s<sup>-1</sup>

Ratio  
Dev/Ref, Dynamic Range



0.90      0.96      1.02      1.08  
unitless

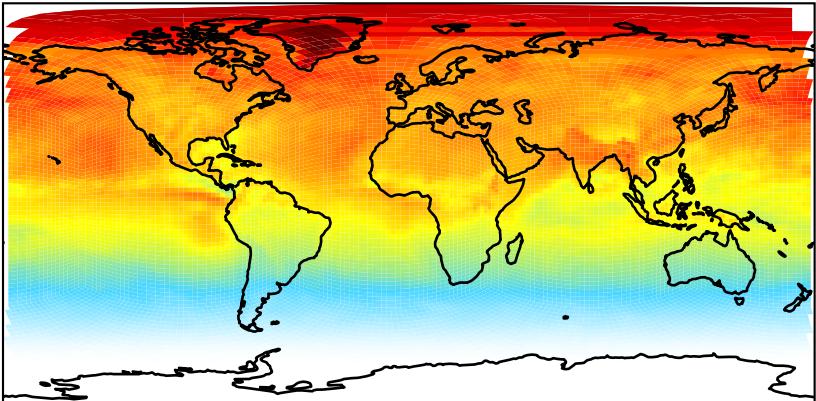
Ratio  
Dev/Ref, Fixed Range



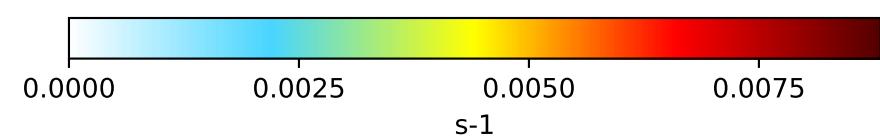
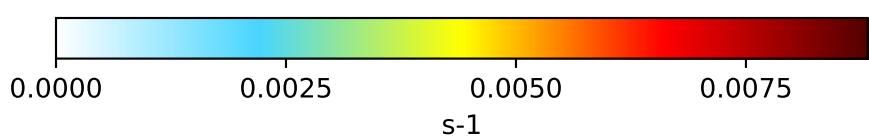
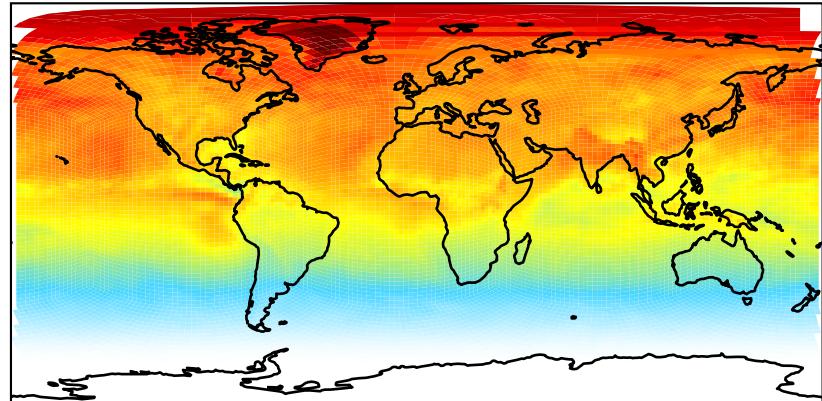
0.50      0.75      1.00      1.50      2.00  
unitless

# Jval\_CH2I2

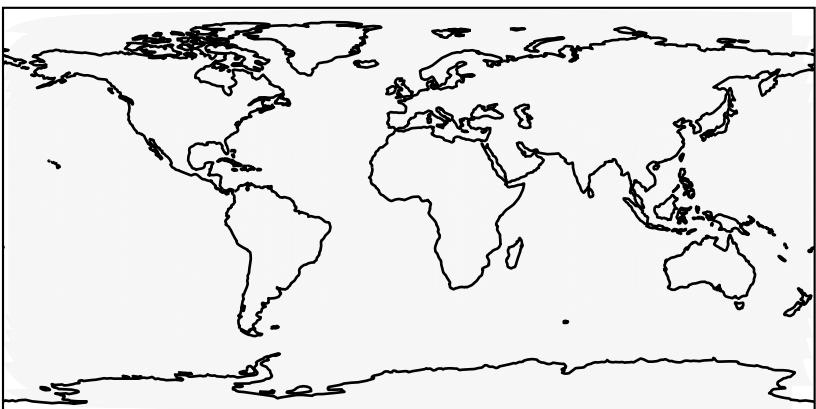
GCHP\_13.2.0-beta.0 (Ref)  
c48



GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48

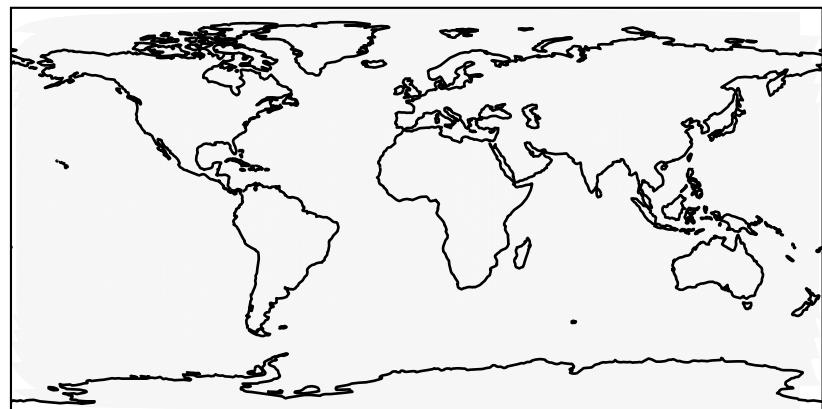


Difference  
Dev - Ref, Dynamic Range



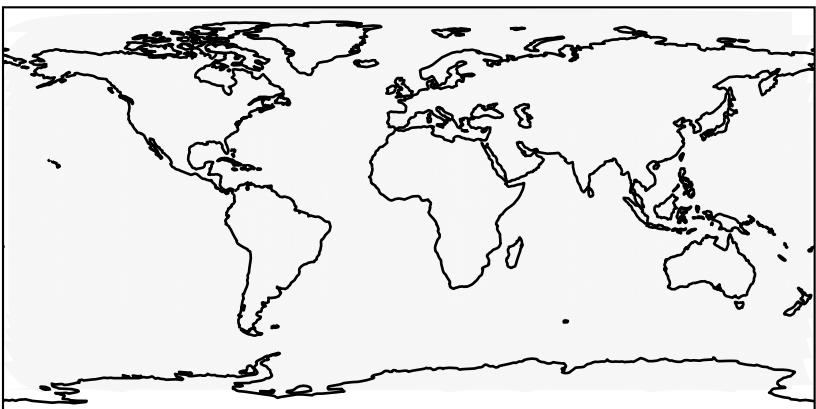
Zero throughout domain  
s<sup>-1</sup>

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



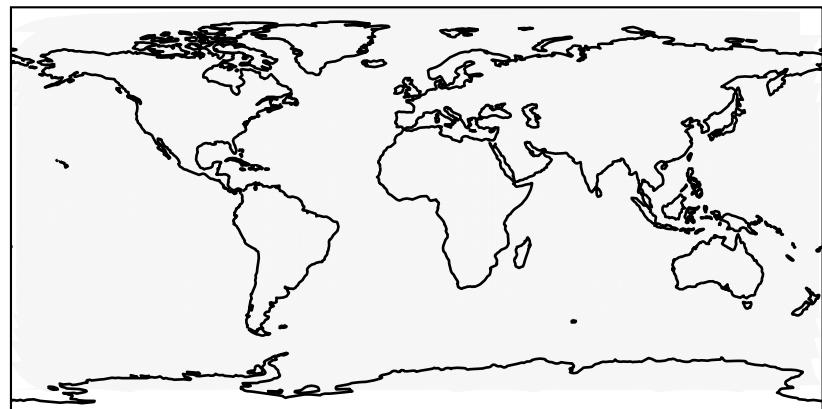
Zero throughout domain  
s<sup>-1</sup>

Ratio  
Dev/Ref, Dynamic Range



0.90      0.96      1.02      1.08  
unitless

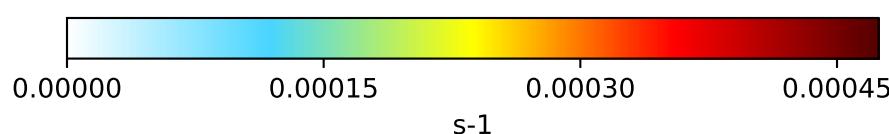
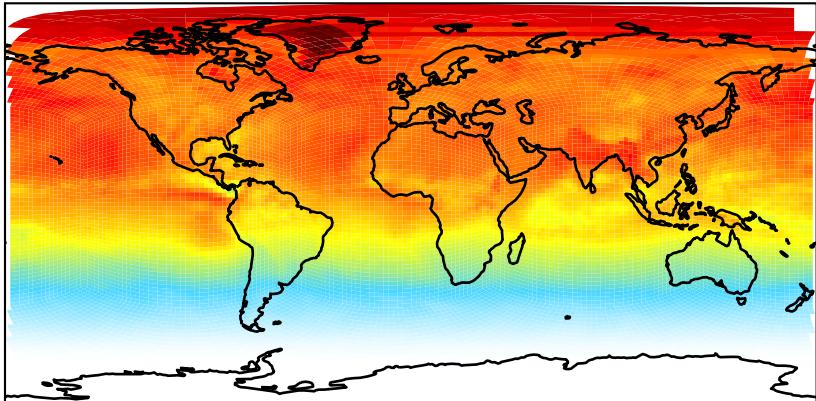
Ratio  
Dev/Ref, Fixed Range



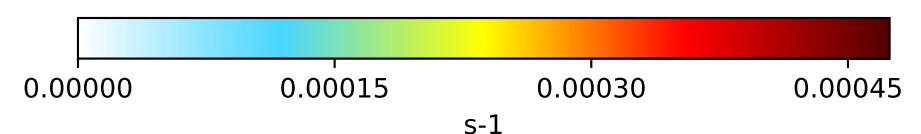
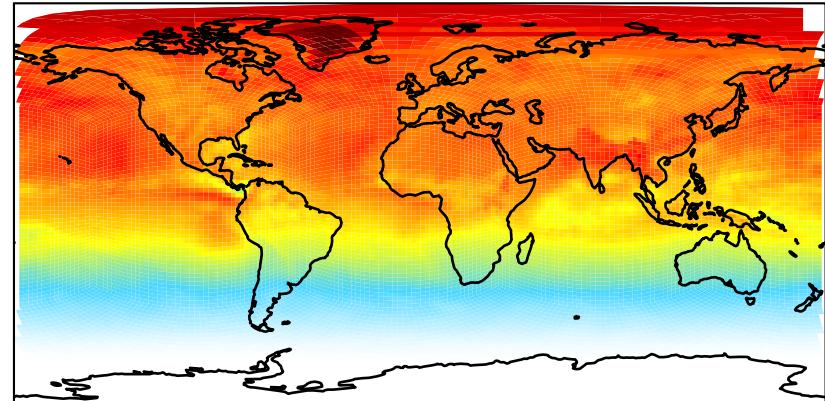
0.50      0.75      1.00      1.50      2.00  
unitless

# Jval\_CH2IBr

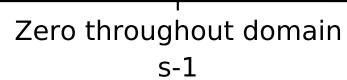
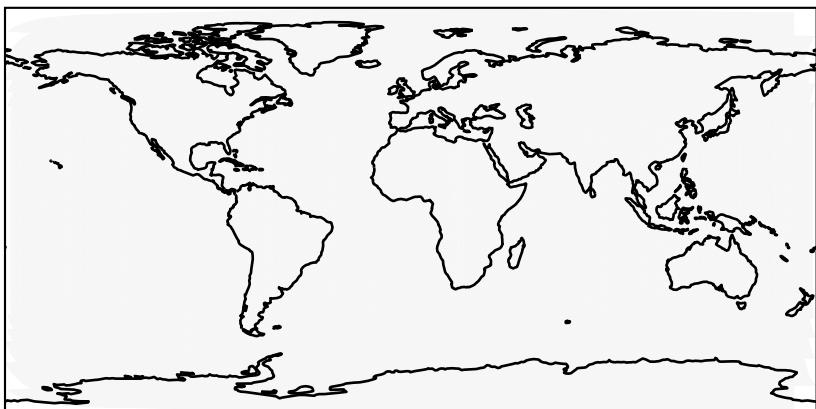
GCHP\_13.2.0-beta.0 (Ref)  
c48



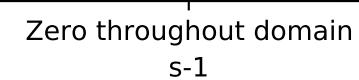
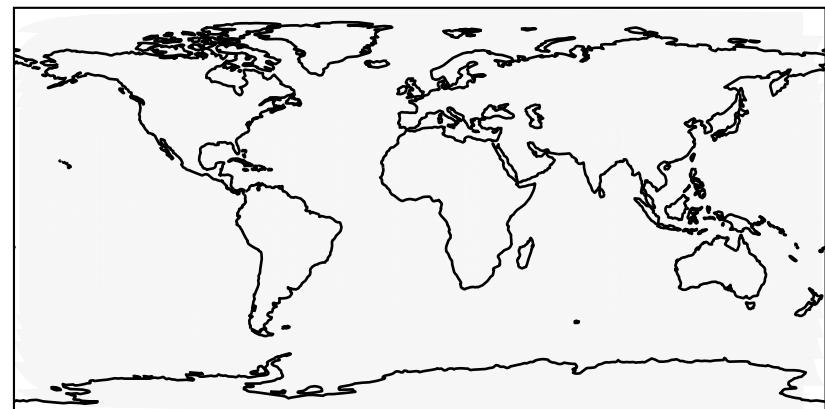
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



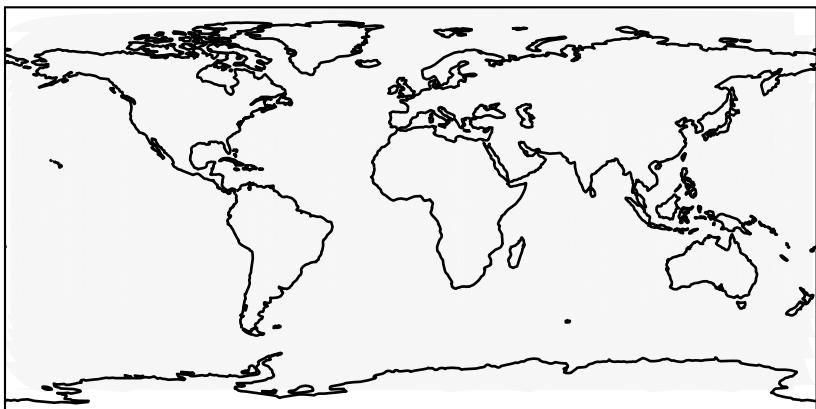
Difference  
Dev - Ref, Dynamic Range



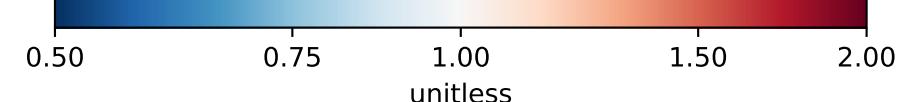
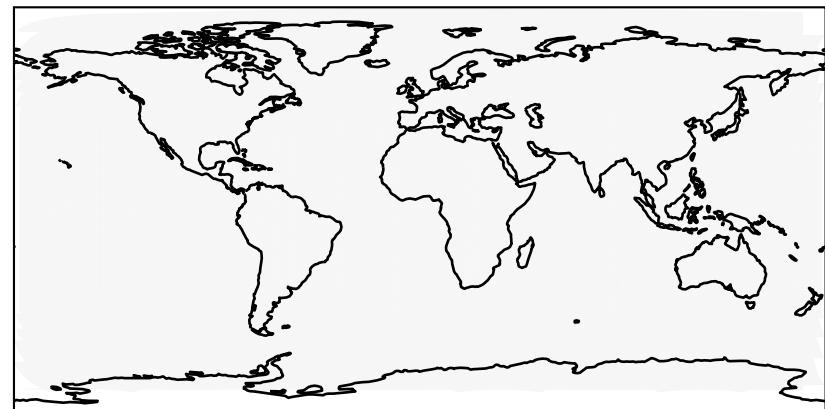
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

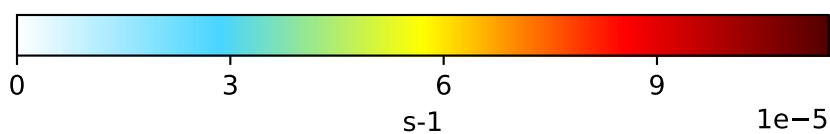
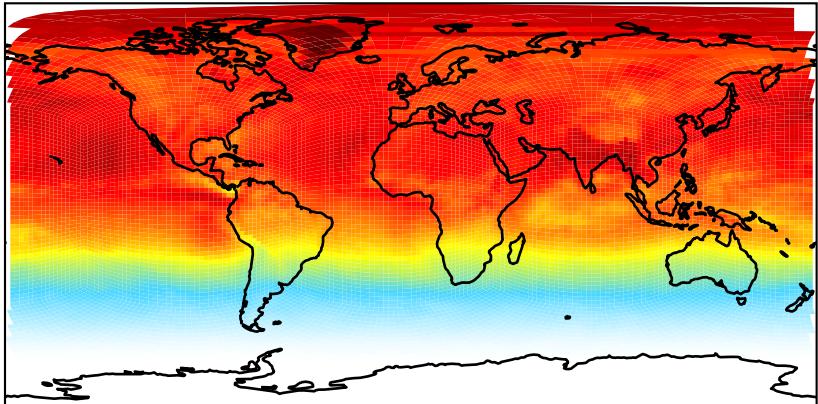


Ratio  
Dev/Ref, Fixed Range

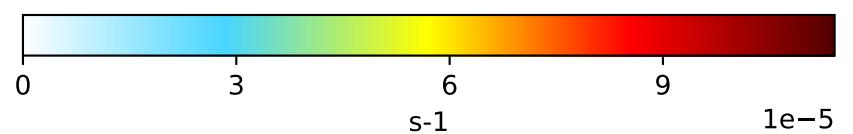
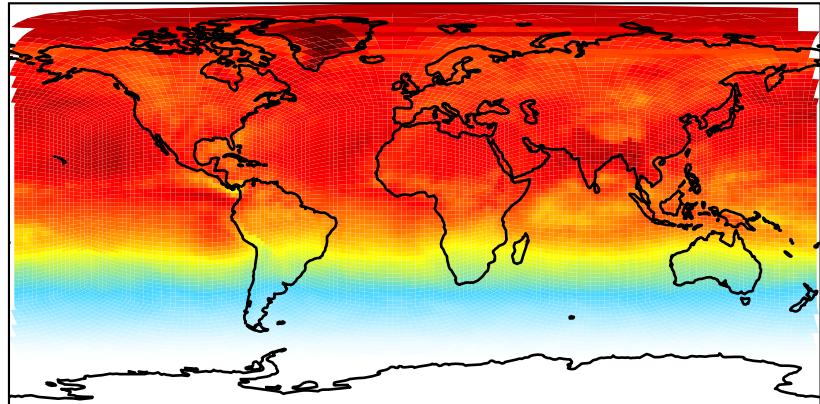


# Jval\_CH2ICI

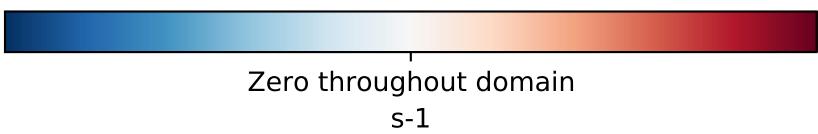
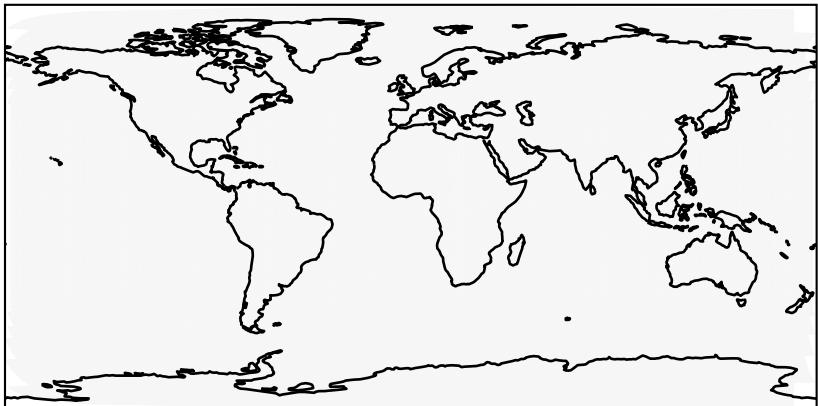
GCHP\_13.2.0-beta.0 (Ref)  
c48



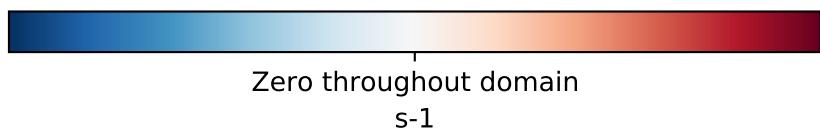
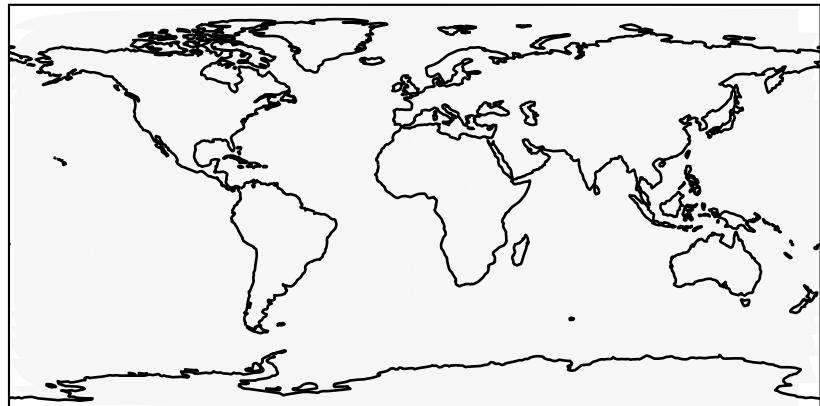
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



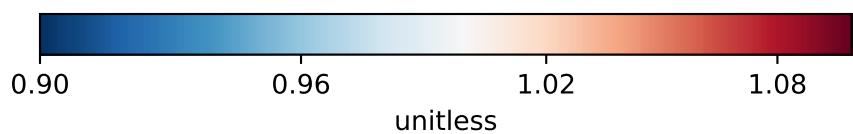
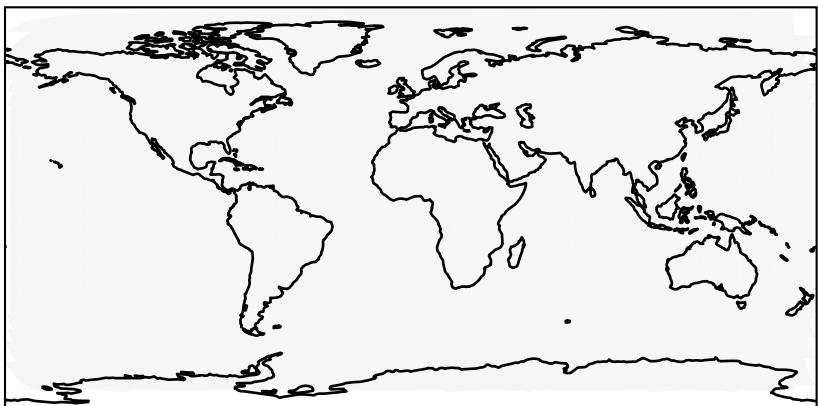
Difference  
Dev - Ref, Dynamic Range



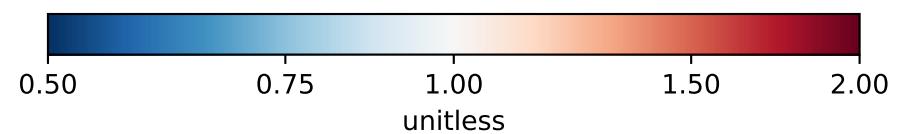
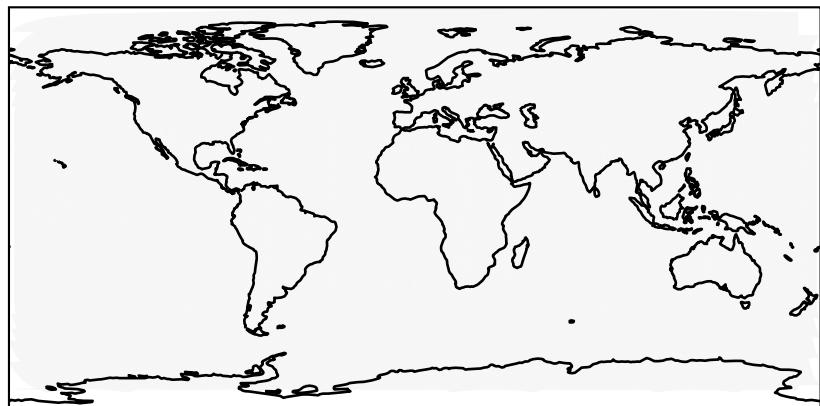
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

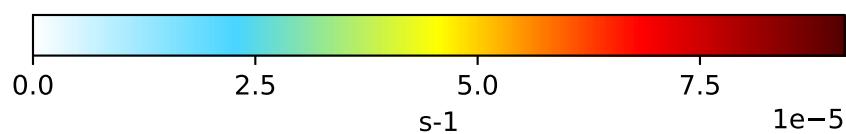
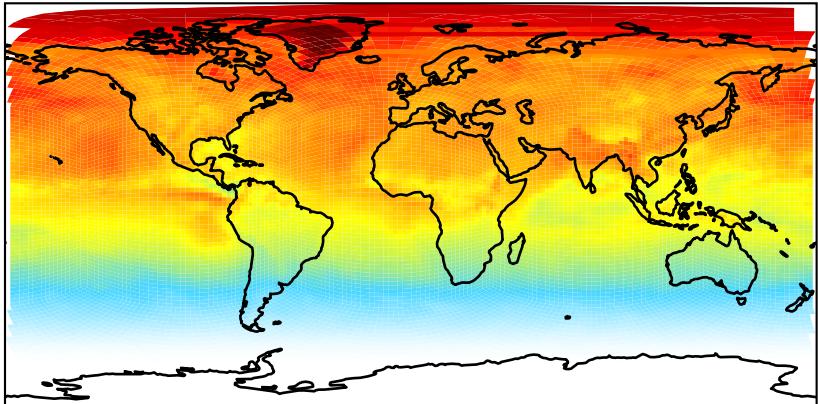


Ratio  
Dev/Ref, Fixed Range

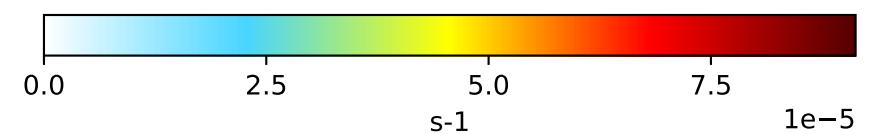
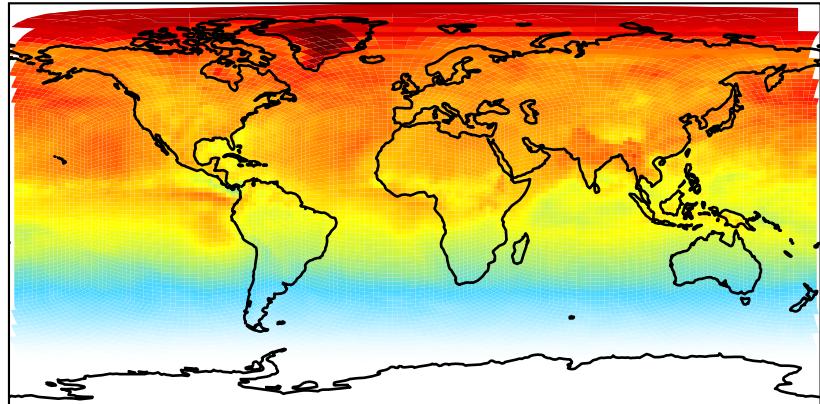


# Jval\_CH2O

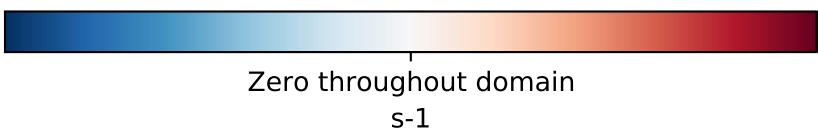
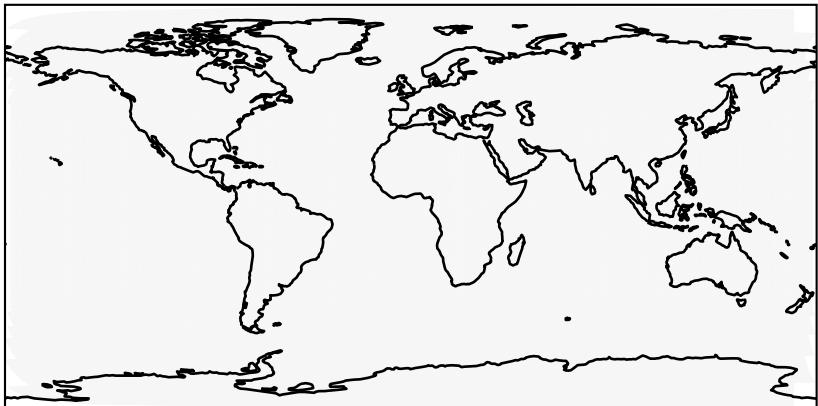
GCHP\_13.2.0-beta.0 (Ref)  
c48



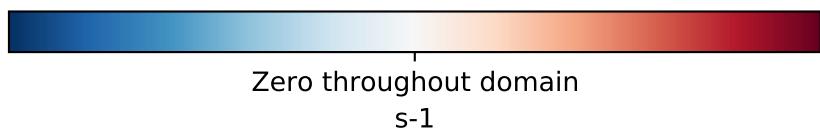
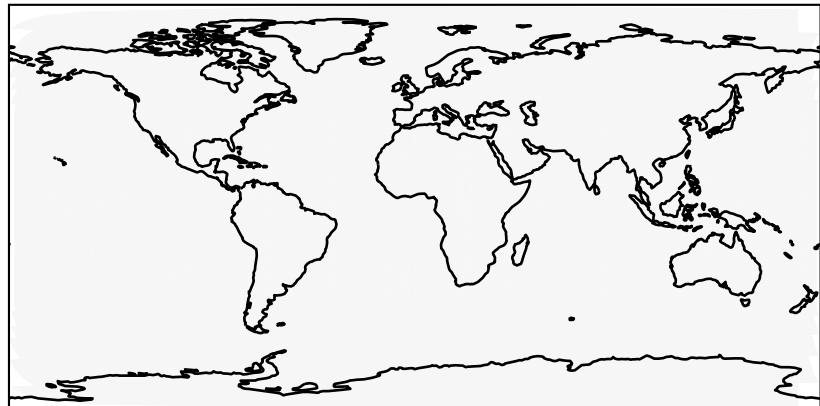
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



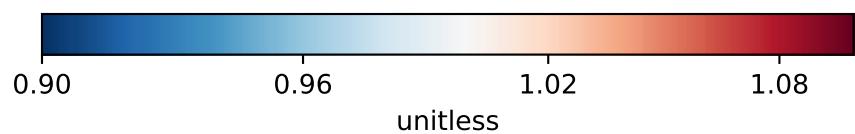
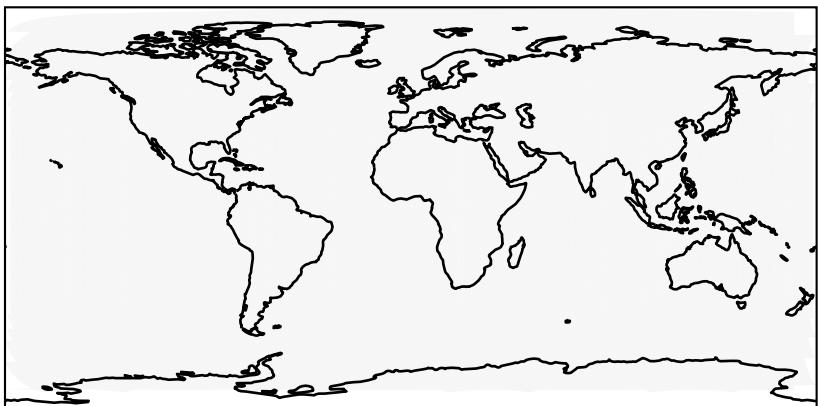
Difference  
Dev - Ref, Dynamic Range



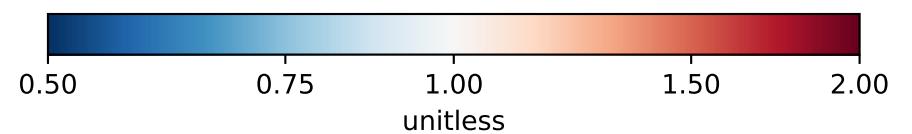
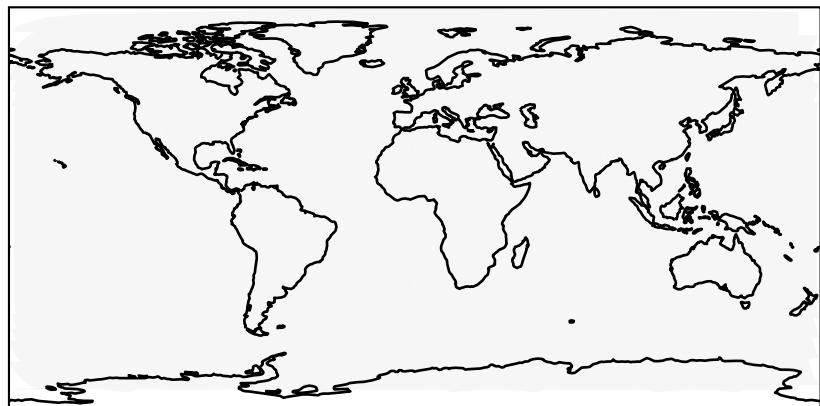
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

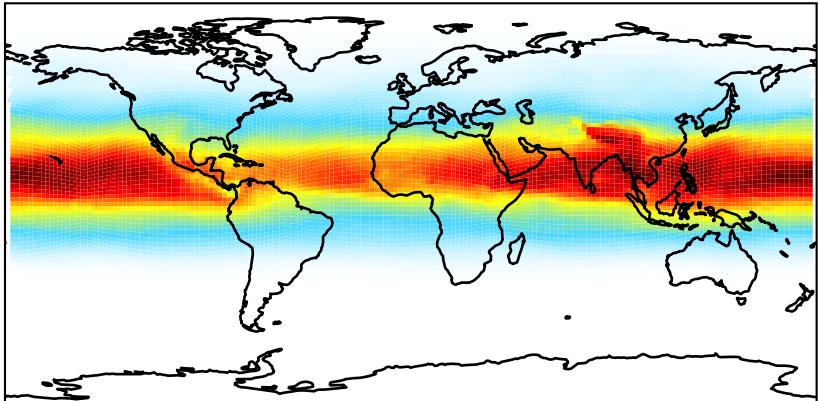


Ratio  
Dev/Ref, Fixed Range

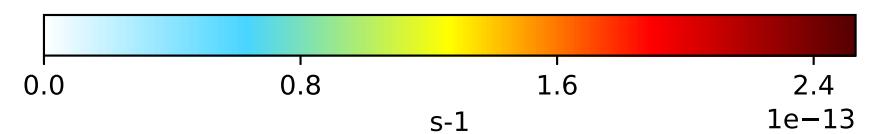
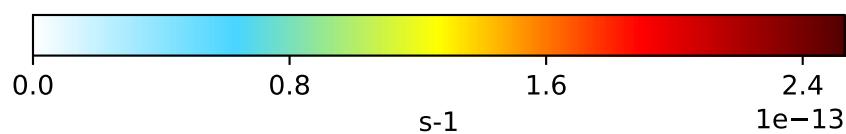
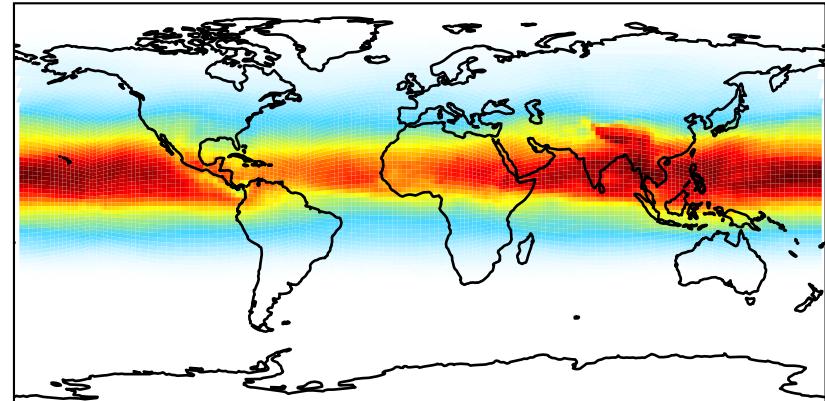


# Jval\_CH3Br

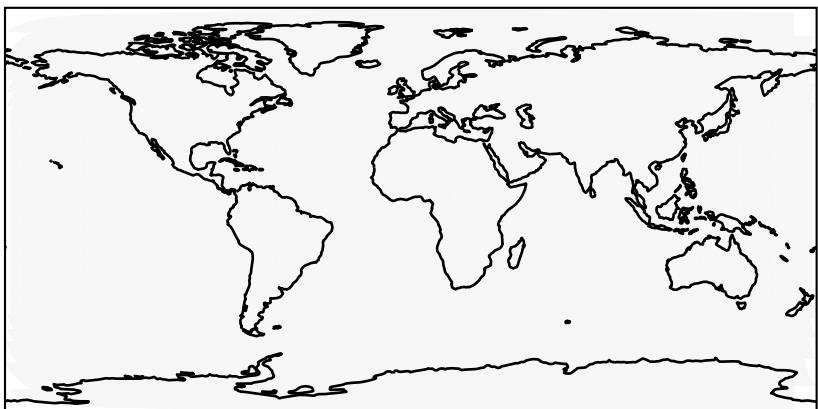
GCHP\_13.2.0-beta.0 (Ref)  
c48



GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48

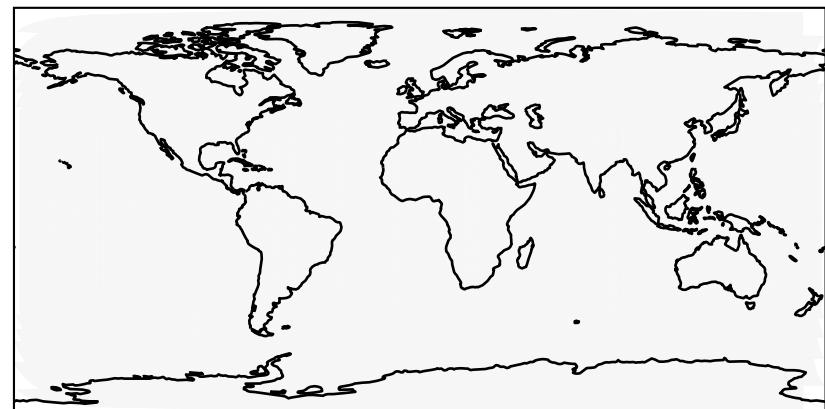


Difference  
Dev - Ref, Dynamic Range



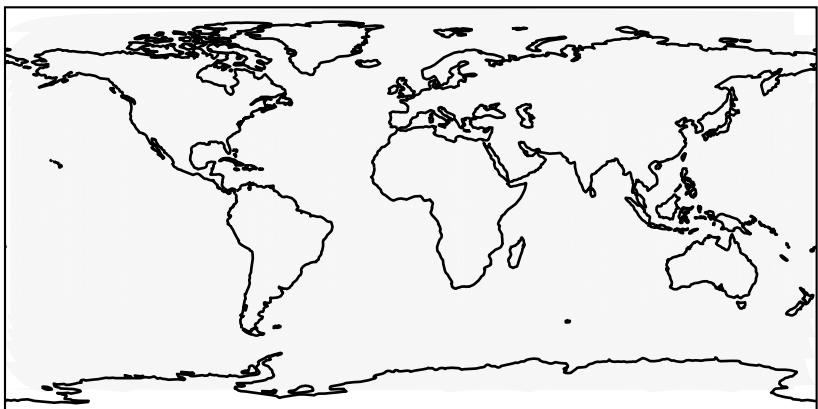
Zero throughout domain  
s-1

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



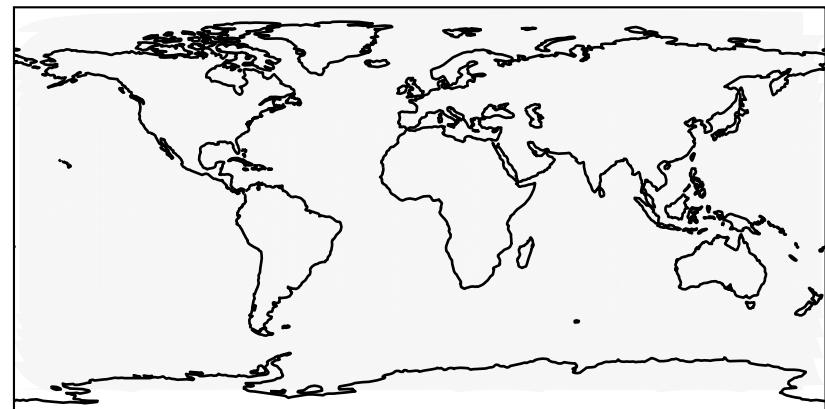
Zero throughout domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.90 0.96 1.02 1.08  
unitless

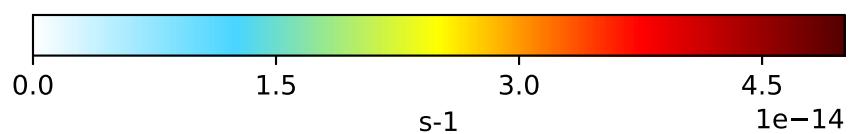
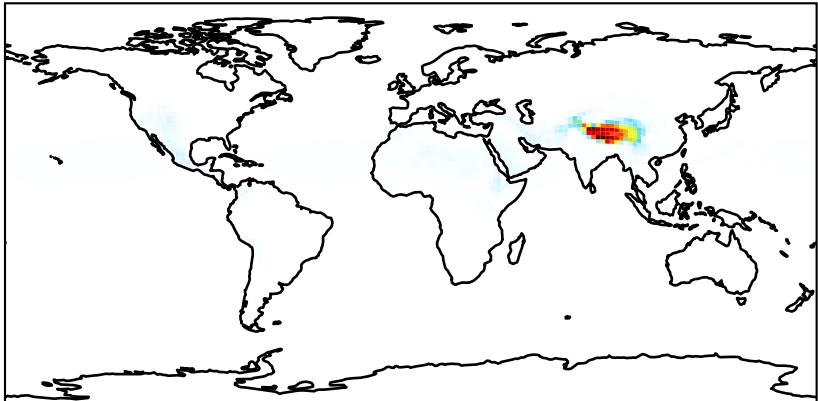
Ratio  
Dev/Ref, Fixed Range



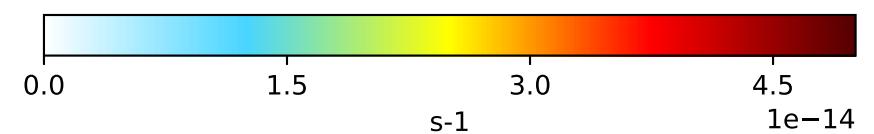
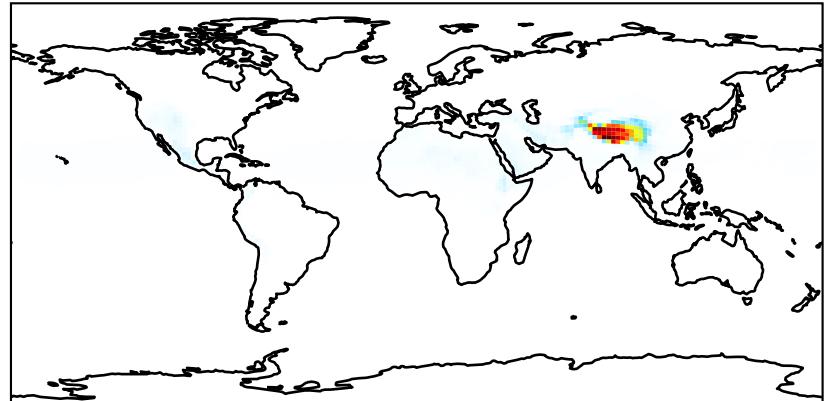
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_CH3CCl3

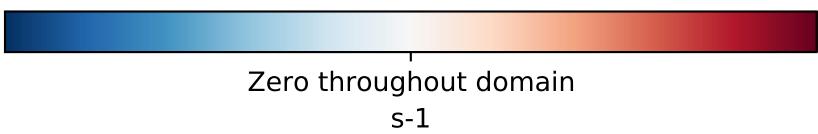
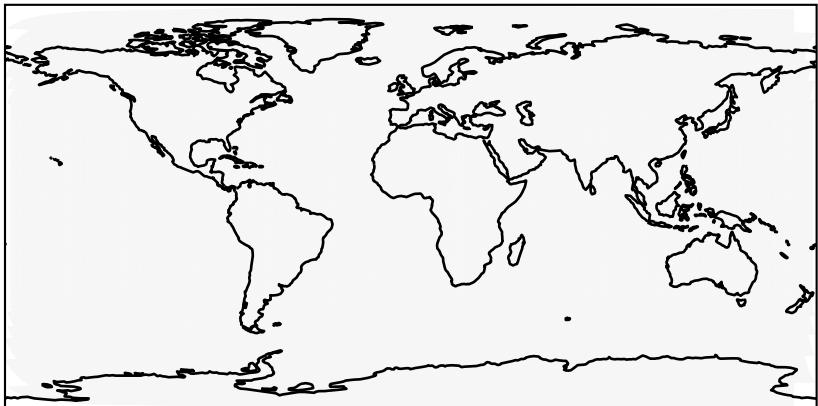
GCHP\_13.2.0-beta.0 (Ref)  
c48



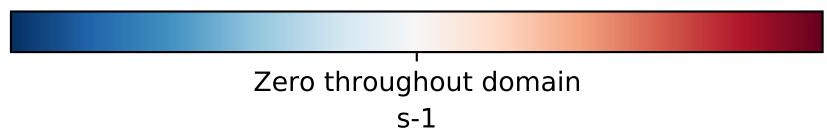
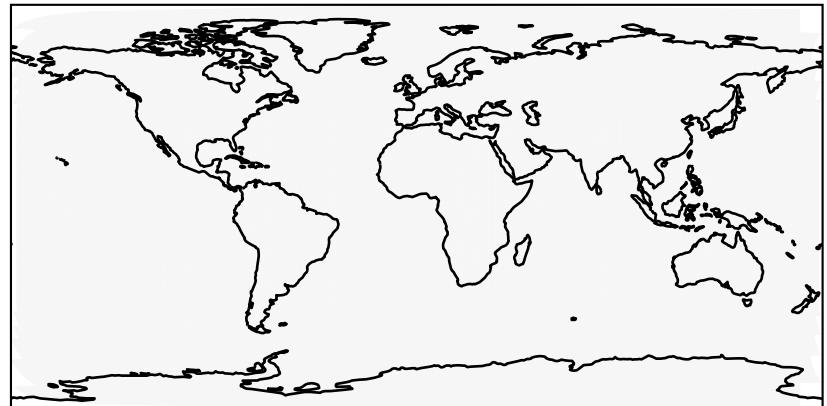
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



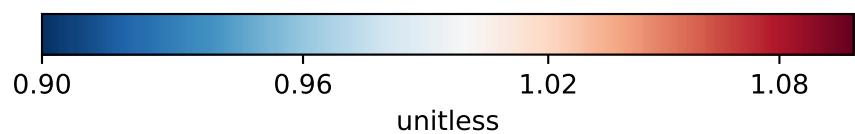
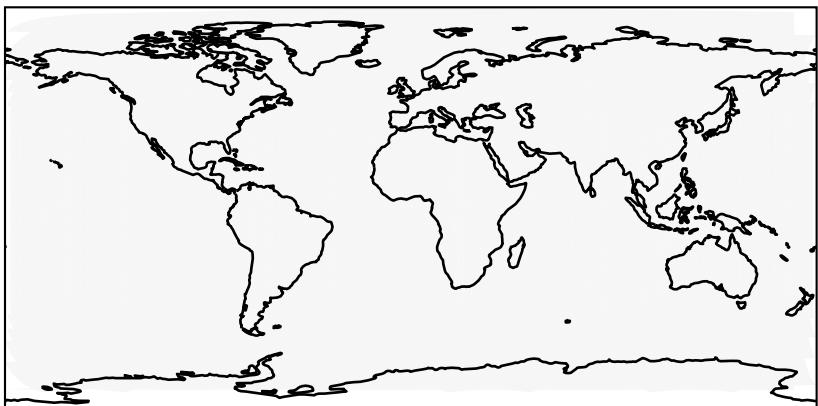
Difference  
Dev - Ref, Dynamic Range



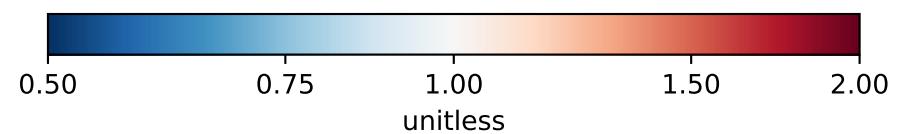
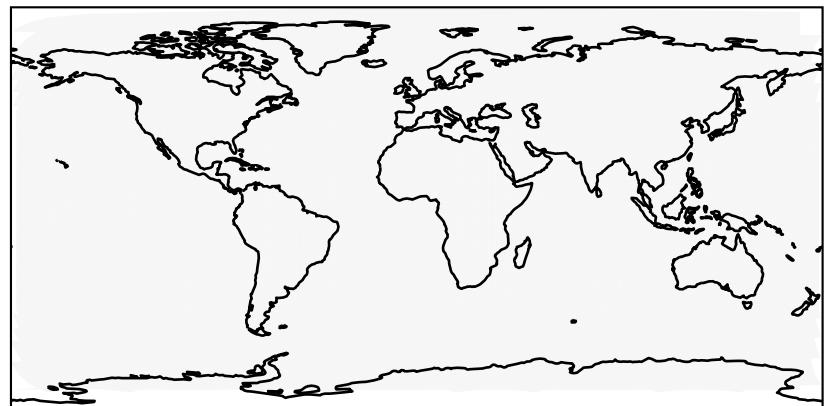
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

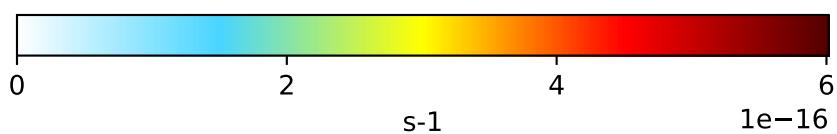
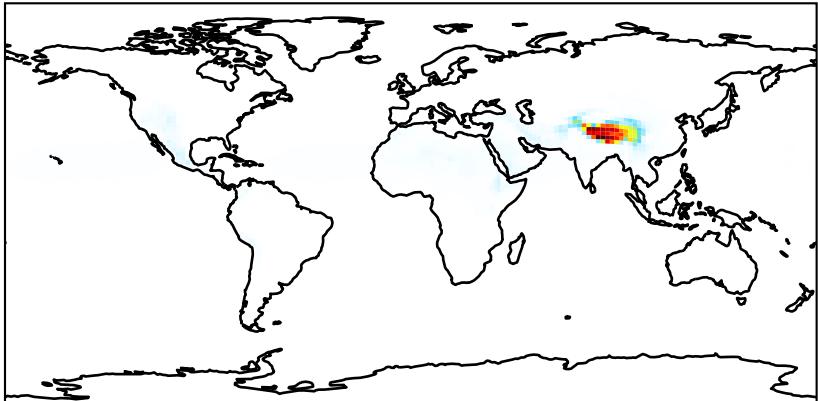


Ratio  
Dev/Ref, Fixed Range

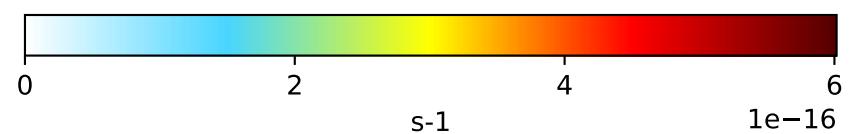
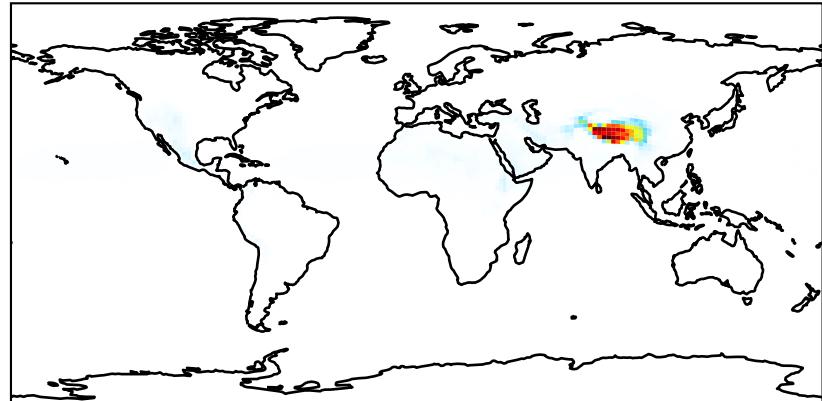


# Jval\_CH3CI

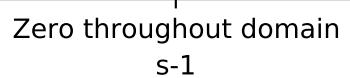
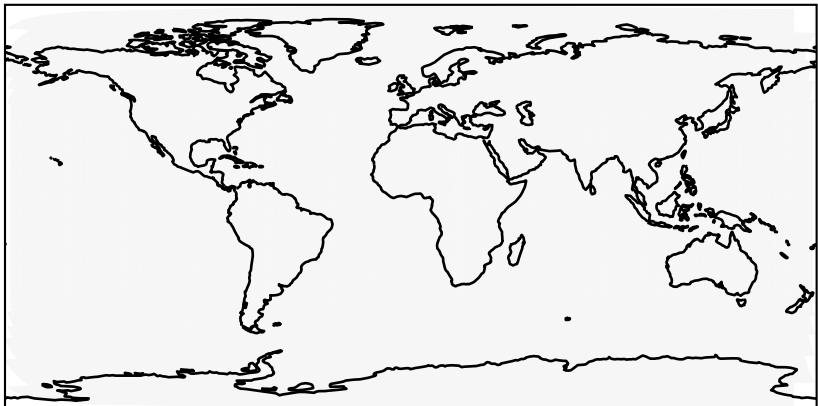
GCHP\_13.2.0-beta.0 (Ref)  
c48



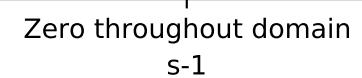
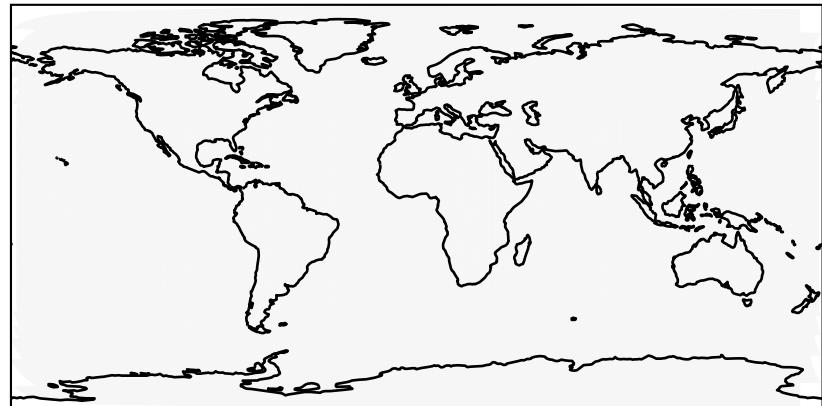
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



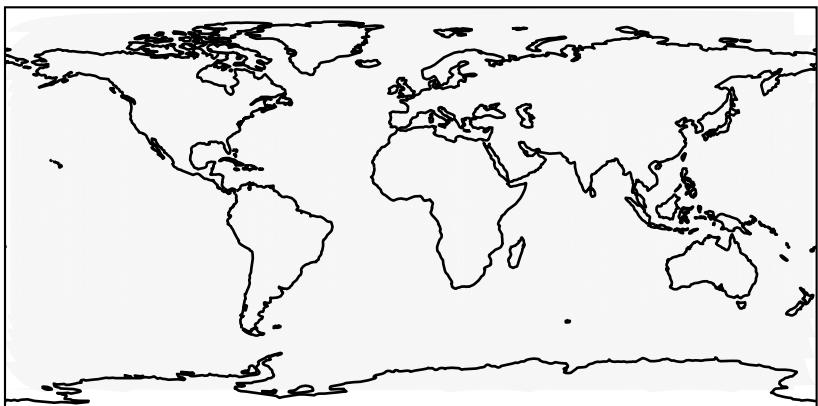
Difference  
Dev - Ref, Dynamic Range



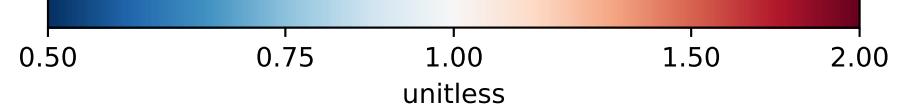
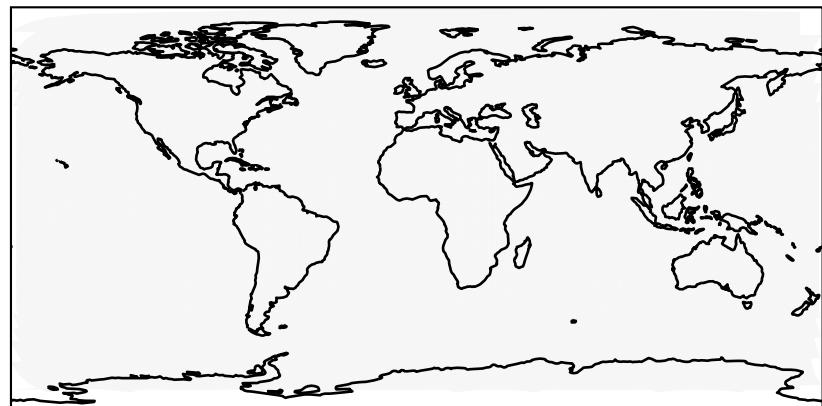
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

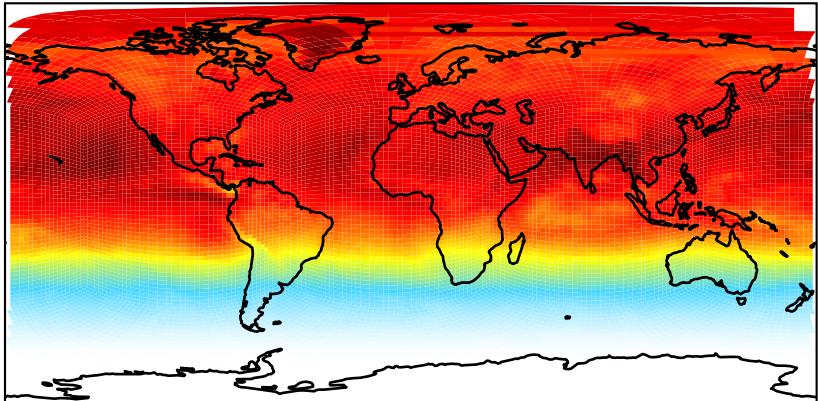


Ratio  
Dev/Ref, Fixed Range

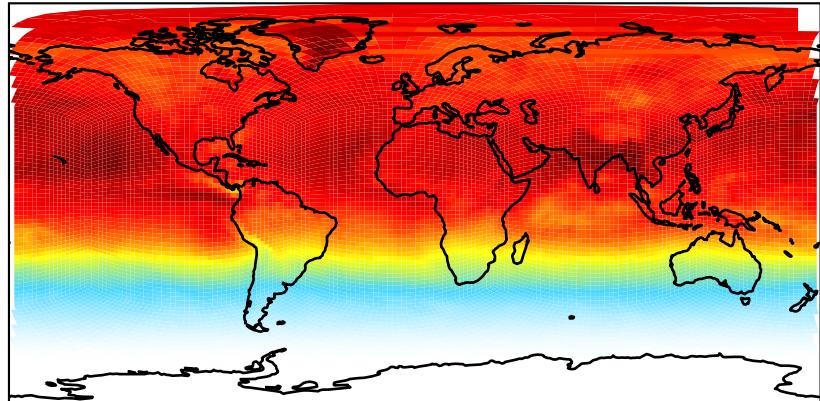


# Jval\_CH3I

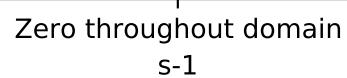
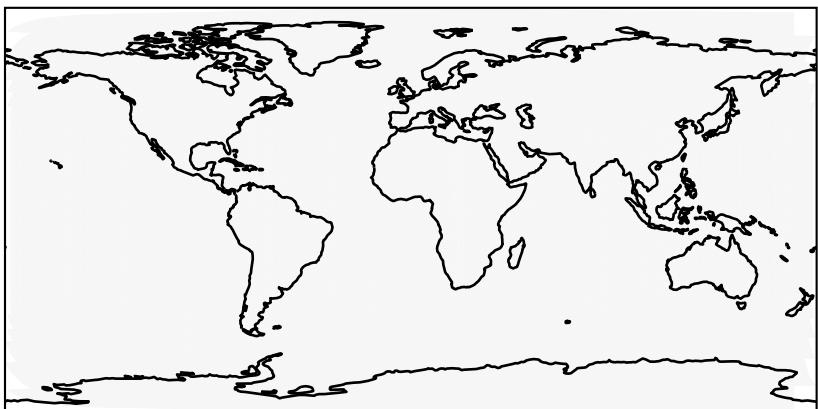
GCHP\_13.2.0-beta.0 (Ref)  
c48



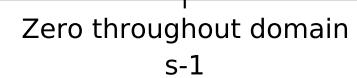
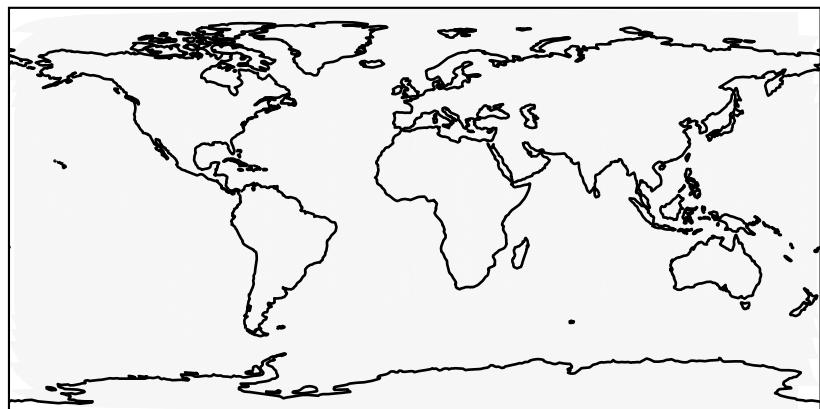
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



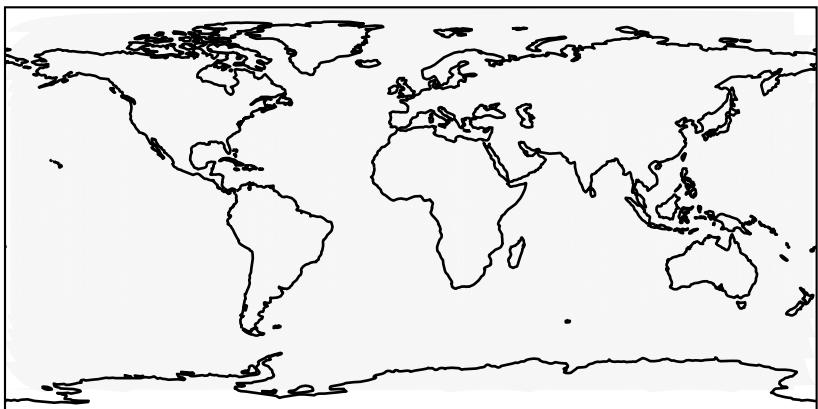
Difference  
Dev - Ref, Dynamic Range



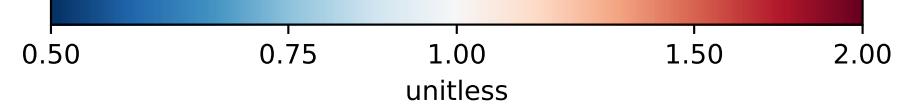
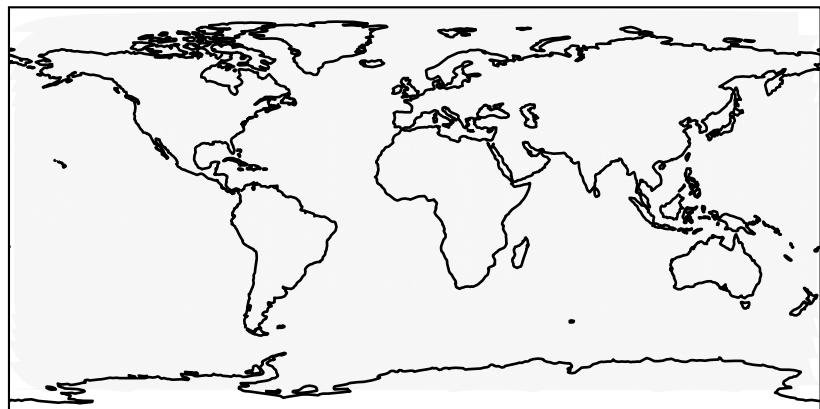
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

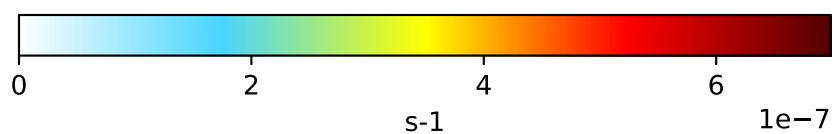
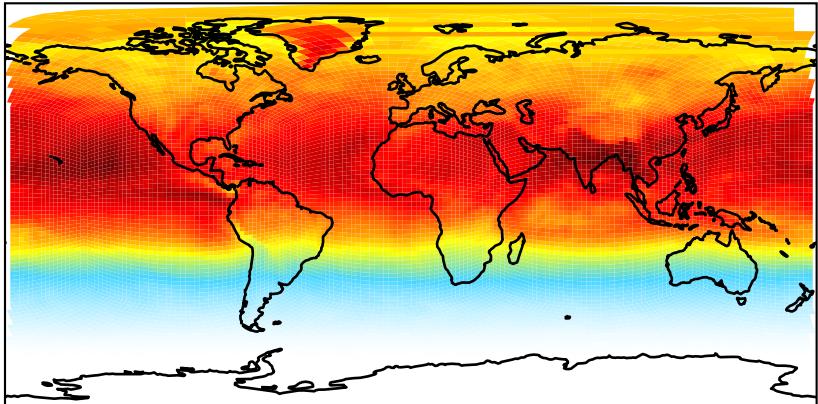


Ratio  
Dev/Ref, Fixed Range

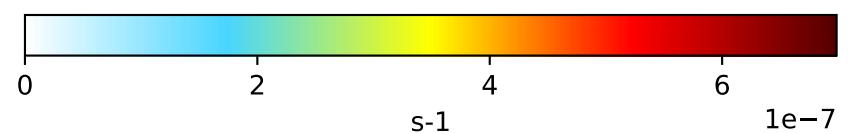
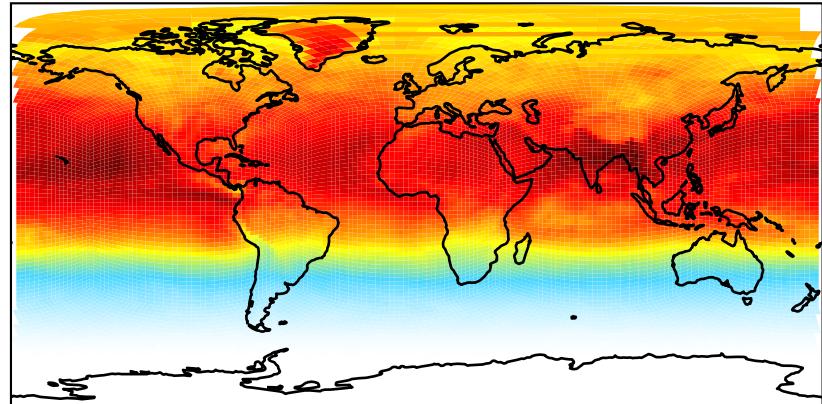


# Jval\_CHBr3

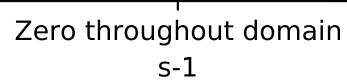
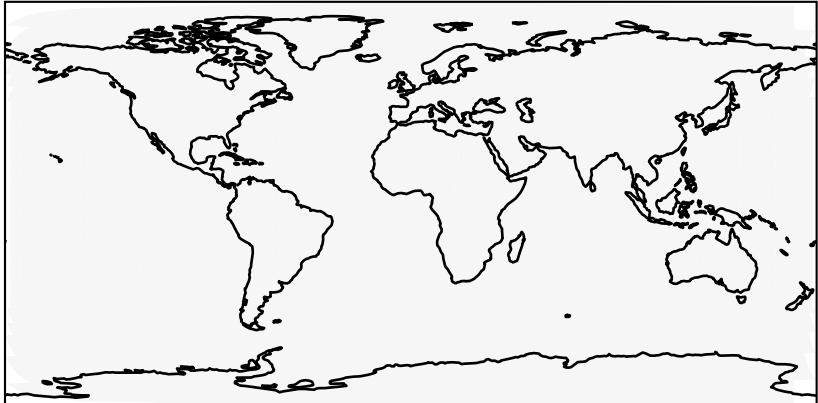
GCHP\_13.2.0-beta.0 (Ref)  
c48



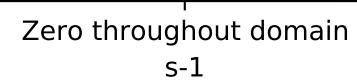
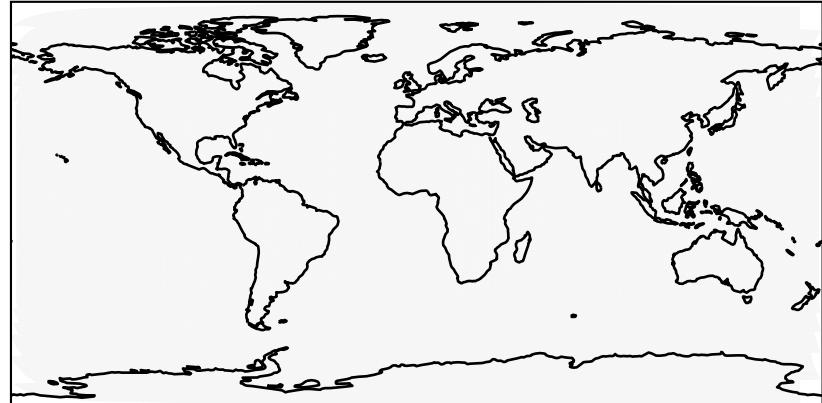
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



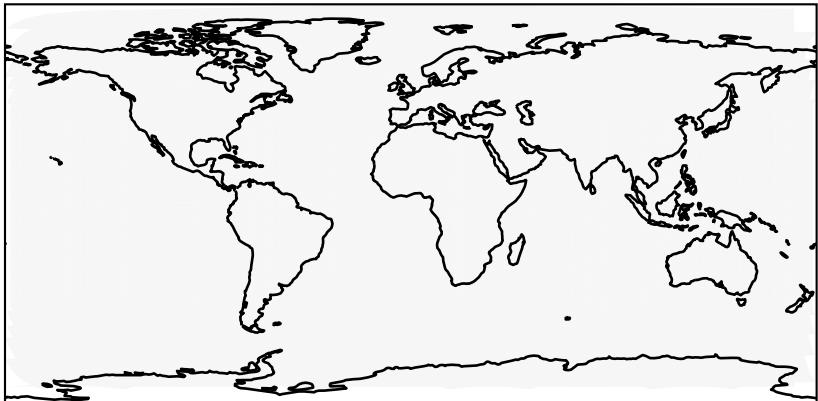
Difference  
Dev - Ref, Dynamic Range



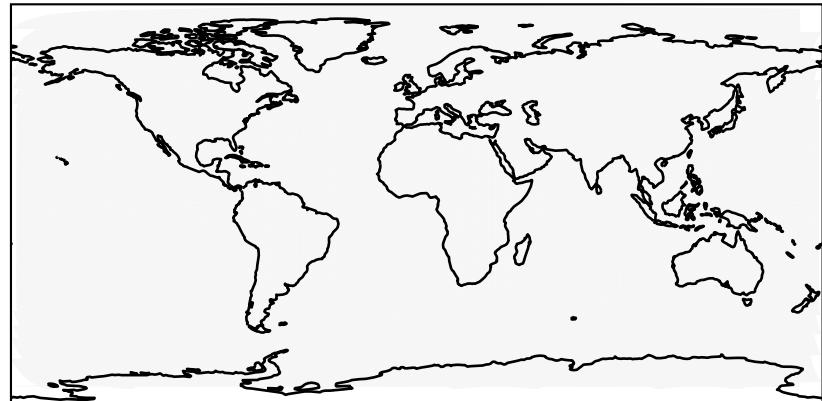
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

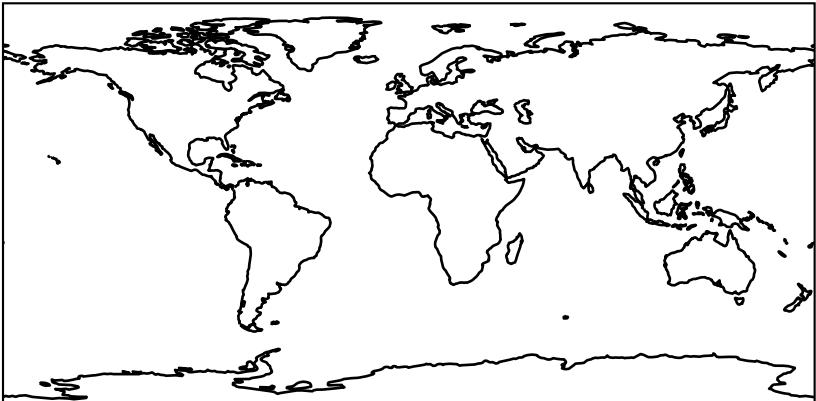


Ratio  
Dev/Ref, Fixed Range



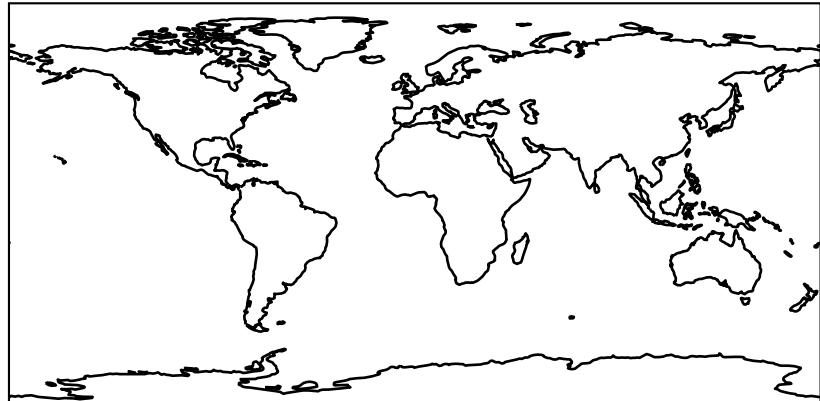
# Jval\_CHCl3

GCHP\_13.2.0-beta.0 (Ref)  
c48



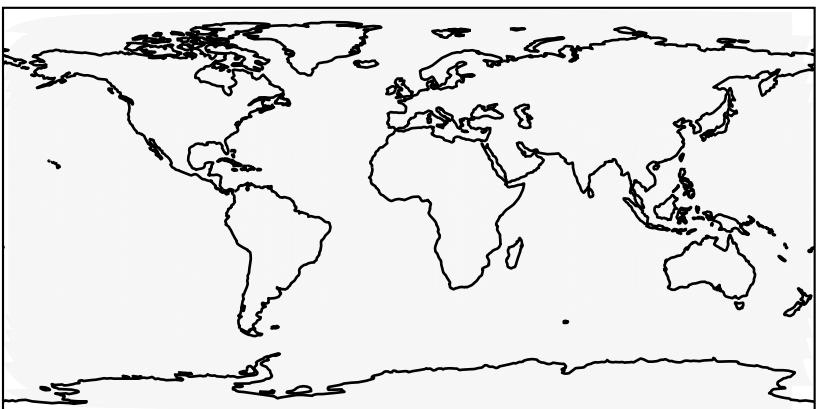
Zero throughout domain  
s-1

GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



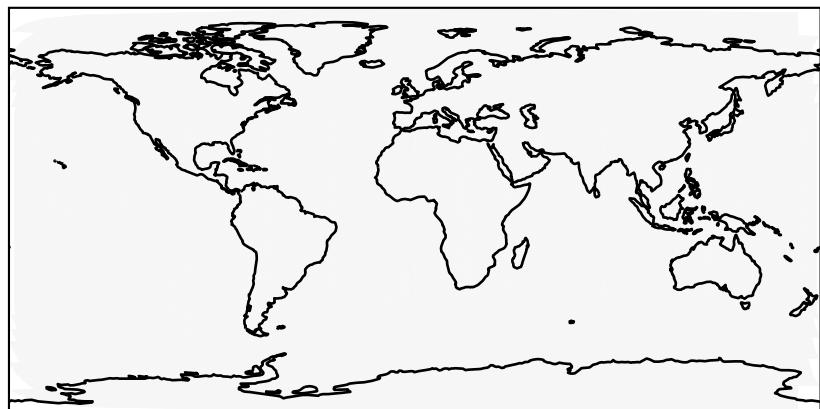
Zero throughout domain  
s-1

Difference  
Dev - Ref, Dynamic Range



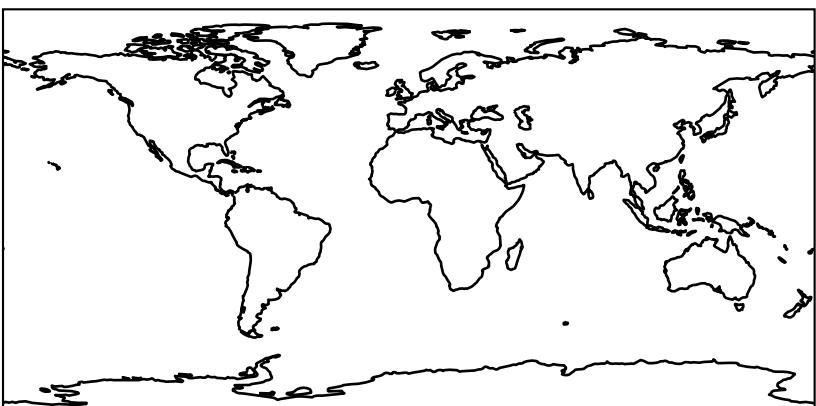
Zero throughout domain  
s-1

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



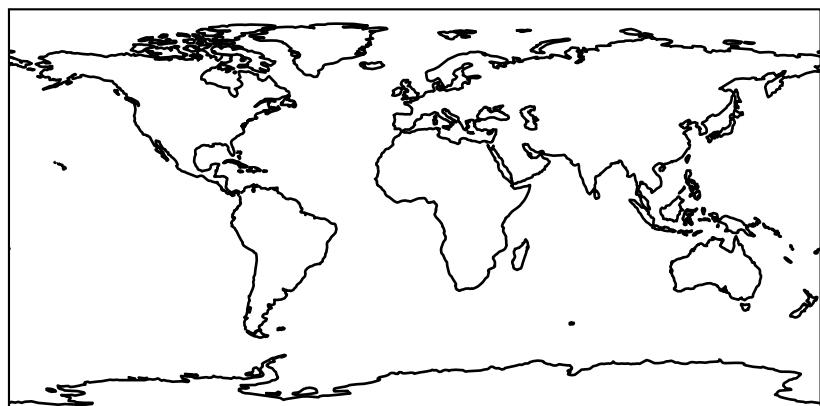
Zero throughout domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



Undefined throughout domain  
unitless

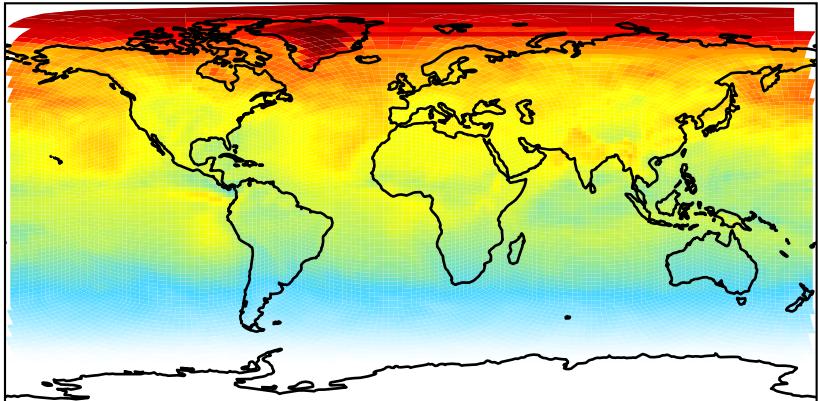
Ratio  
Dev/Ref, Fixed Range



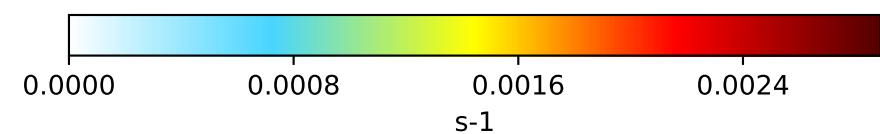
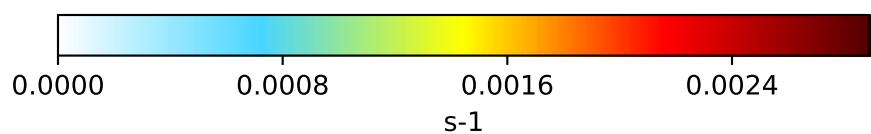
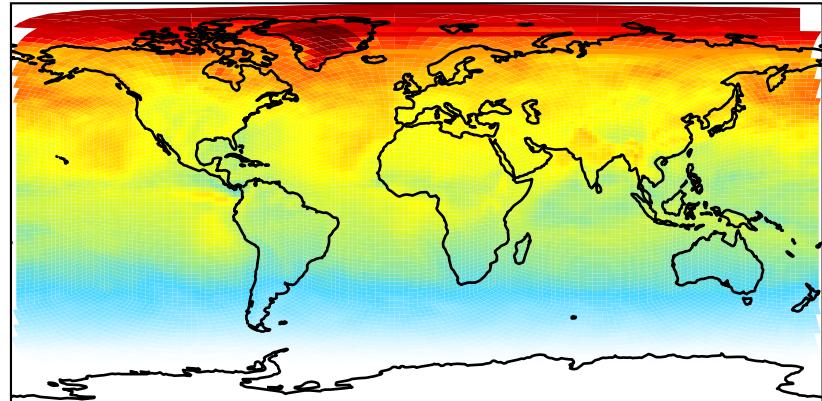
Undefined throughout domain  
unitless

# Jval\_CI2

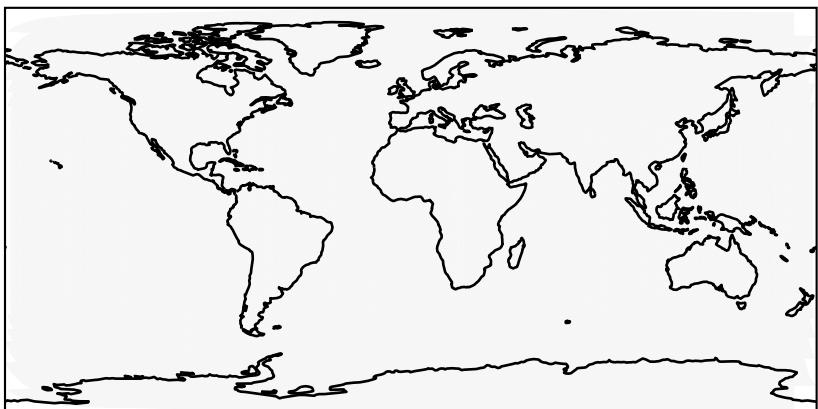
GCHP\_13.2.0-beta.0 (Ref)  
c48



GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48

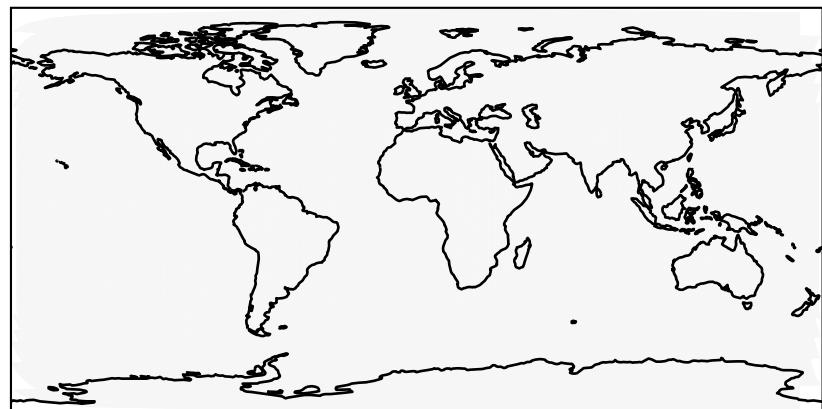


Difference  
Dev - Ref, Dynamic Range



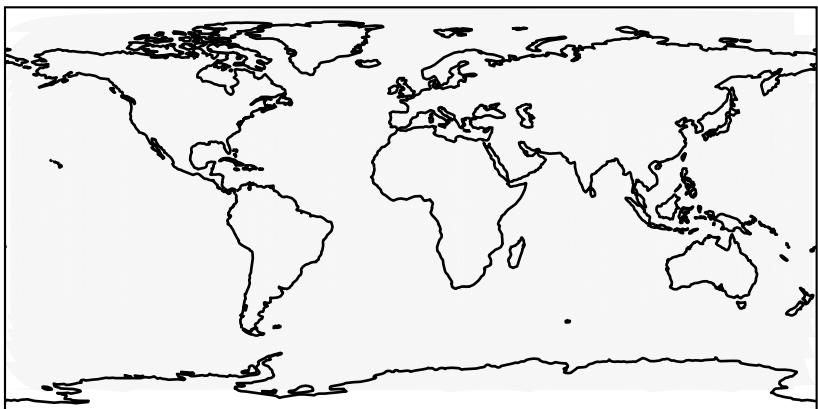
Zero throughout domain  
 $\text{s}^{-1}$

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



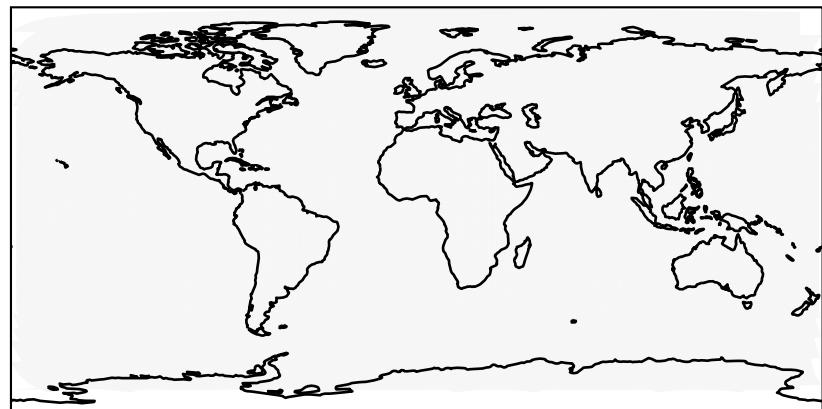
Zero throughout domain  
 $\text{s}^{-1}$

Ratio  
Dev/Ref, Dynamic Range



0.90      0.96      1.02      1.08  
unitless

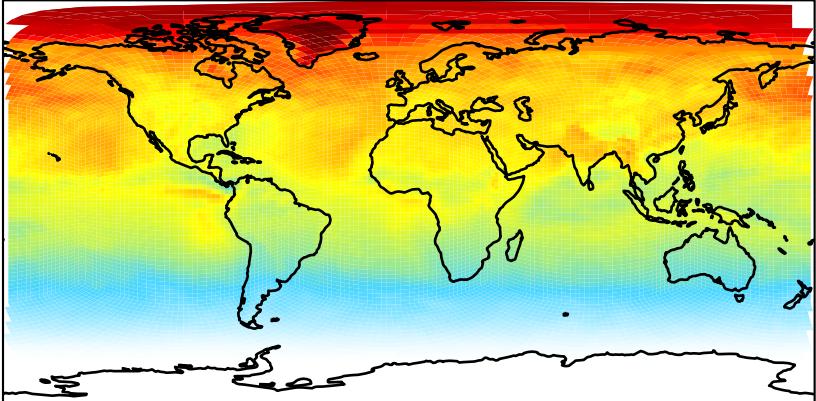
Ratio  
Dev/Ref, Fixed Range



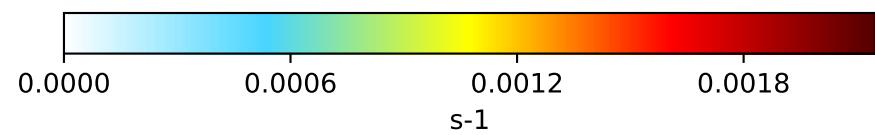
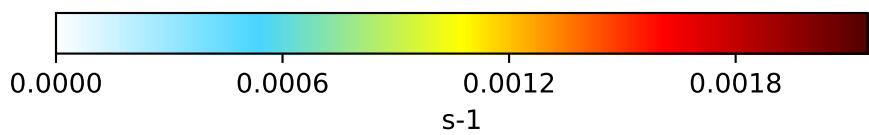
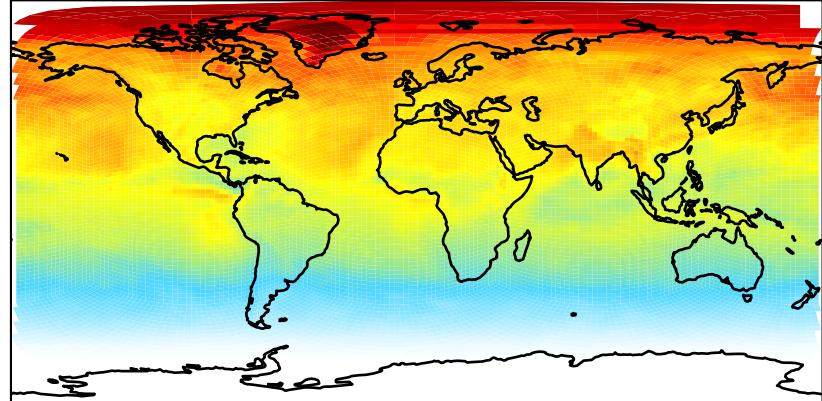
0.50      0.75      1.00      1.50      2.00  
unitless

# Jval\_CI202

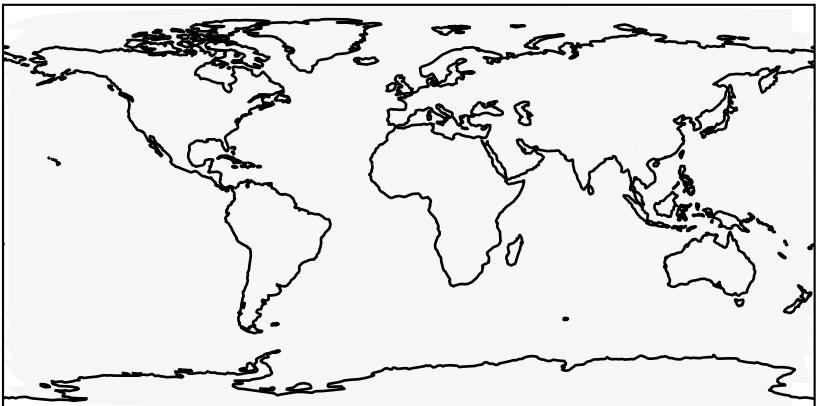
GCHP\_13.2.0-beta.0 (Ref)  
c48



GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48

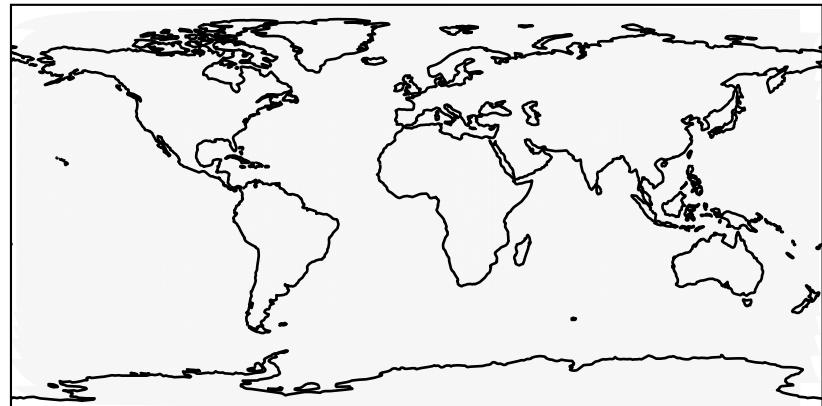


Difference  
Dev - Ref, Dynamic Range



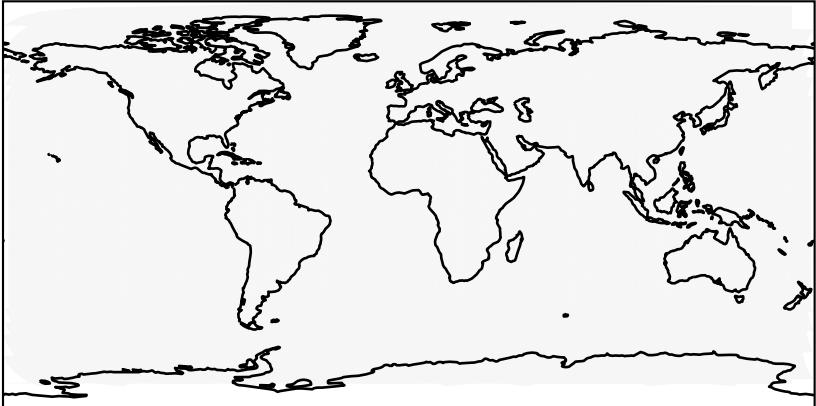
Zero throughout domain  
s<sup>-1</sup>

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



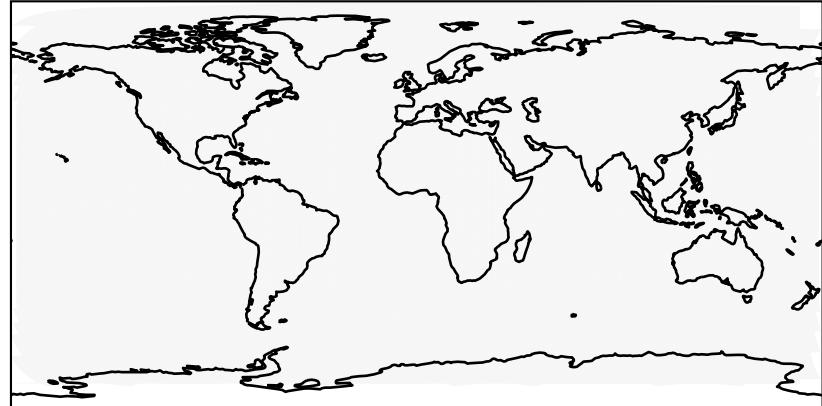
Zero throughout domain  
s<sup>-1</sup>

Ratio  
Dev/Ref, Dynamic Range



0.90      0.96      1.02      1.08  
unitless

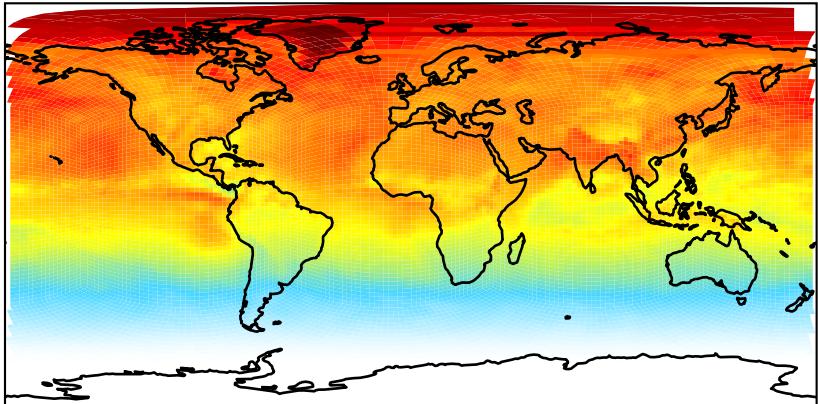
Ratio  
Dev/Ref, Fixed Range



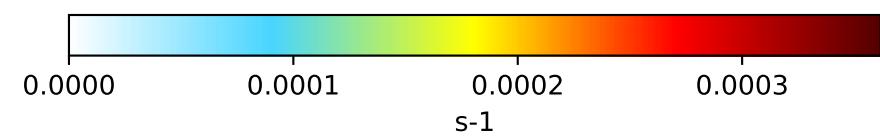
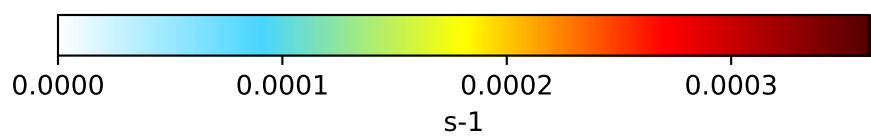
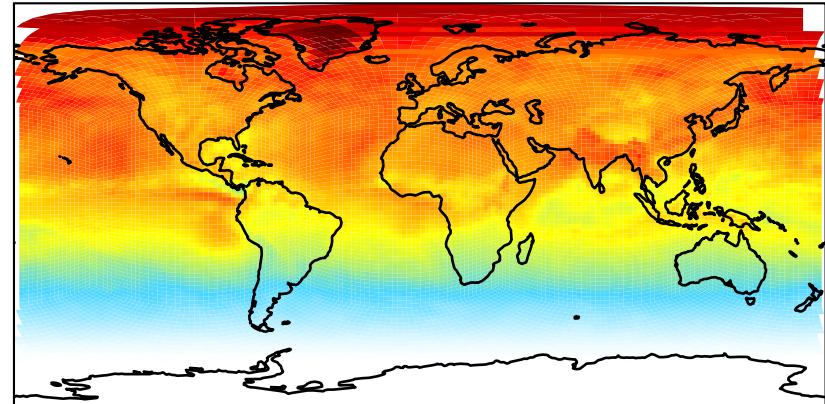
0.50      0.75      1.00      1.50      2.00  
unitless

# Jval\_ClNO2

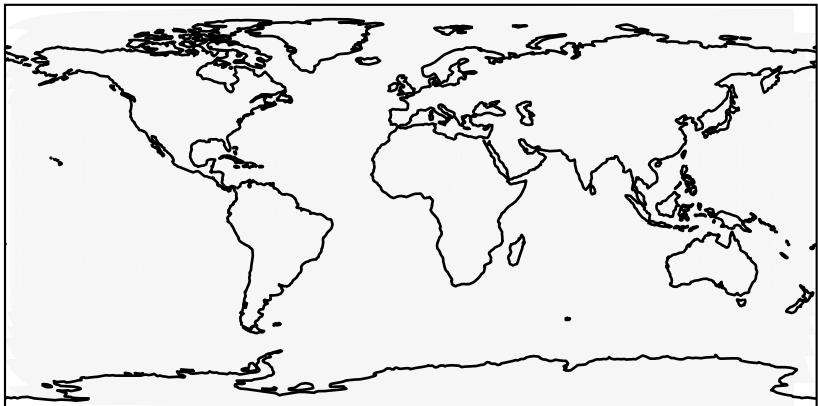
GCHP\_13.2.0-beta.0 (Ref)  
c48



GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48

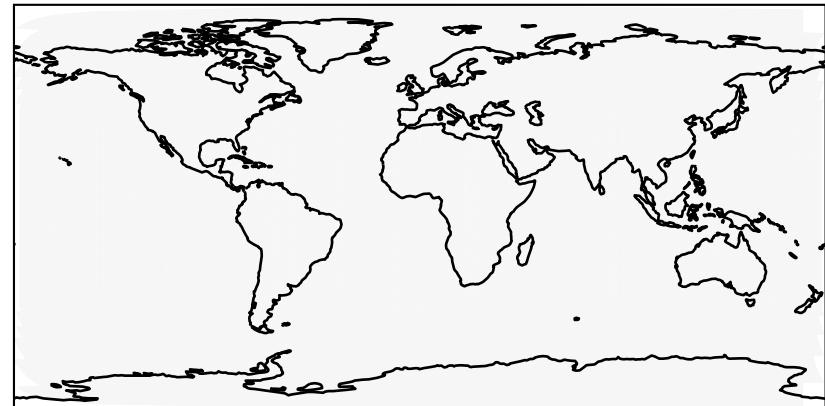


Difference  
Dev - Ref, Dynamic Range



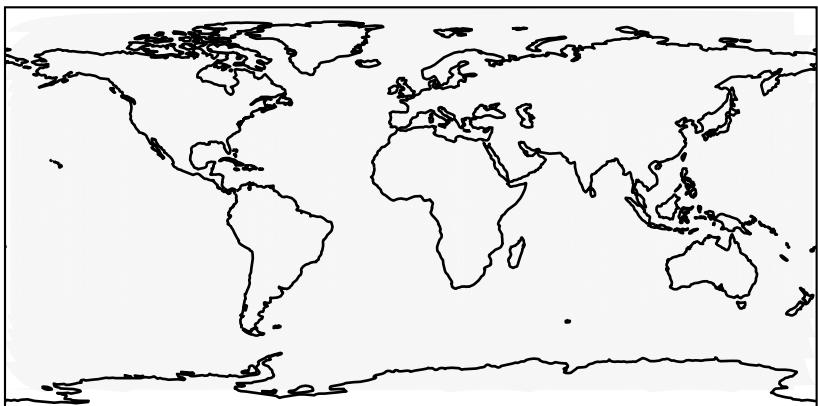
Zero throughout domain  
s<sup>-1</sup>

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



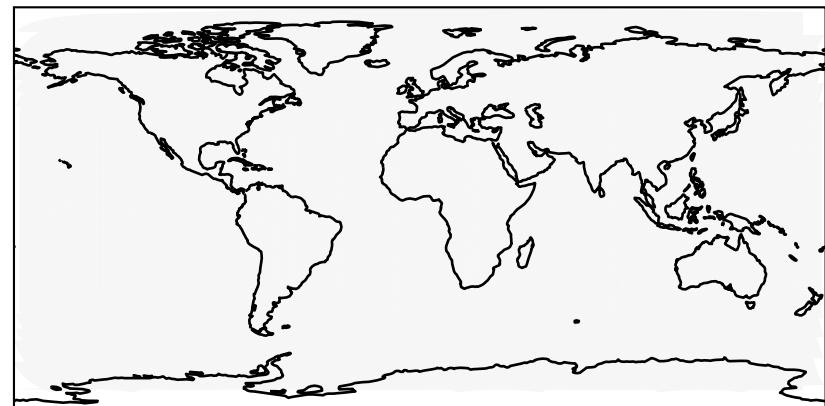
Zero throughout domain  
s<sup>-1</sup>

Ratio  
Dev/Ref, Dynamic Range



0.90    0.96    1.02    1.08  
unitless

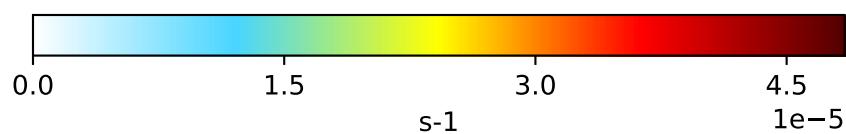
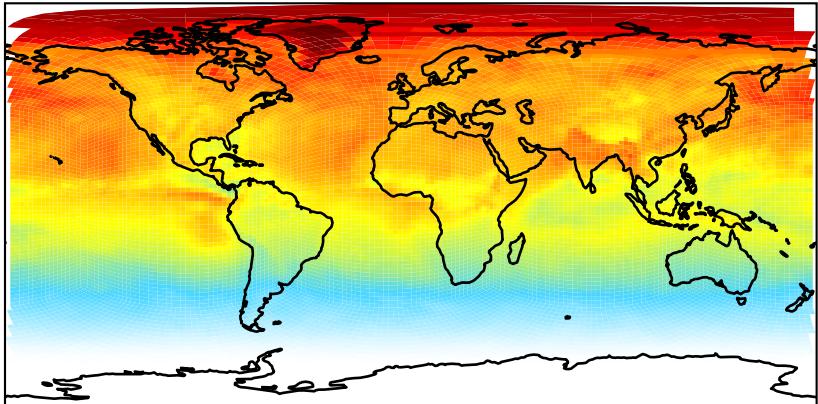
Ratio  
Dev/Ref, Fixed Range



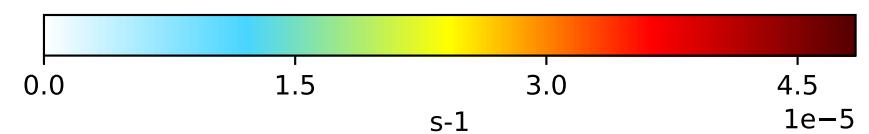
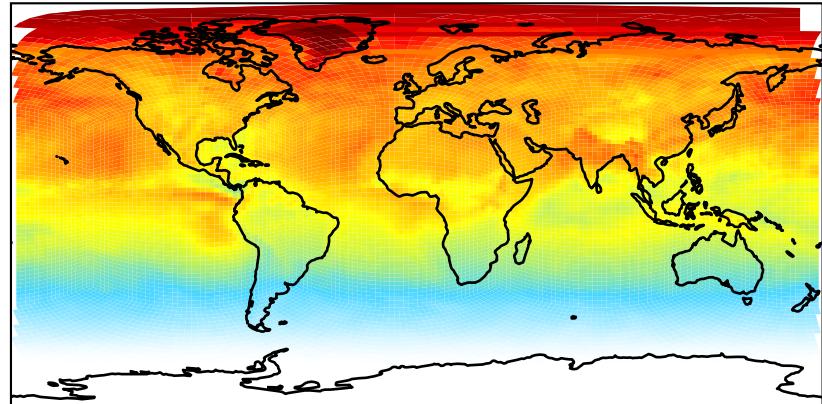
0.50    0.75    1.00    1.50    2.00  
unitless

# Jval\_ClNO3

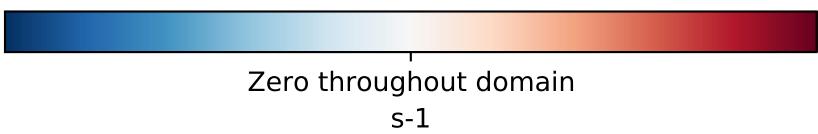
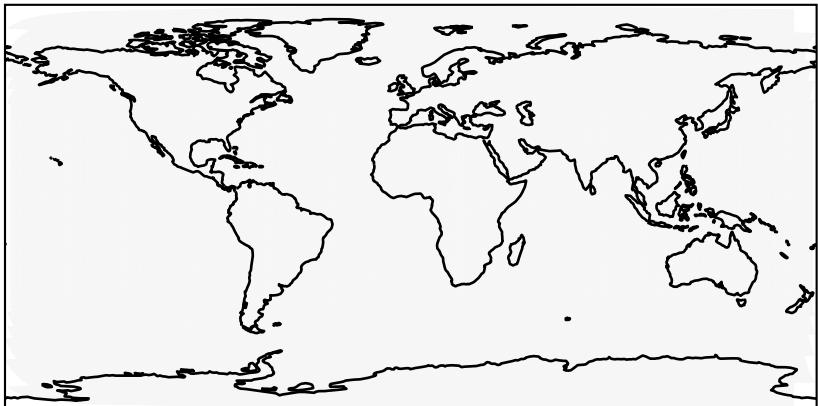
GCHP\_13.2.0-beta.0 (Ref)  
c48



GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48

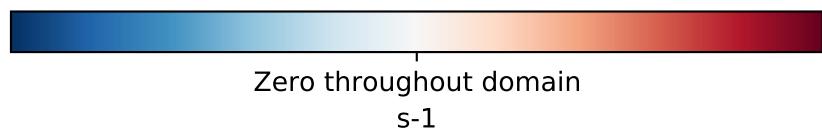
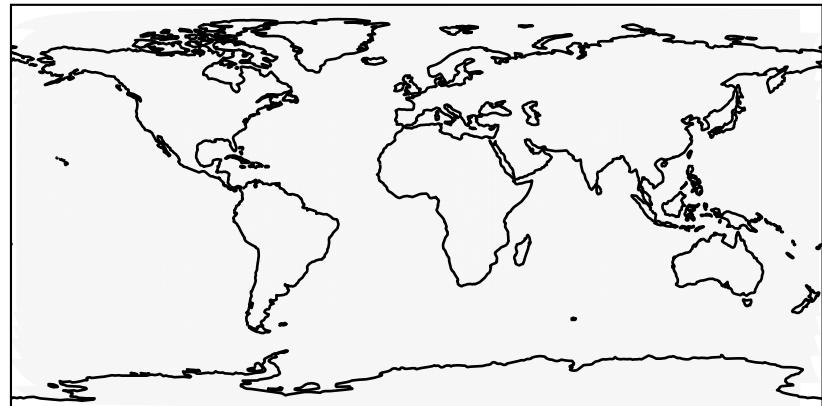


Difference  
Dev - Ref, Dynamic Range



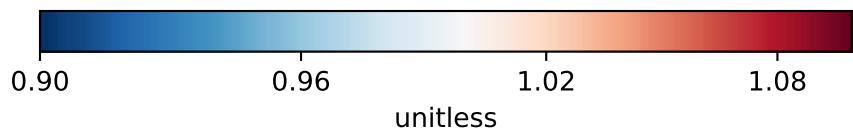
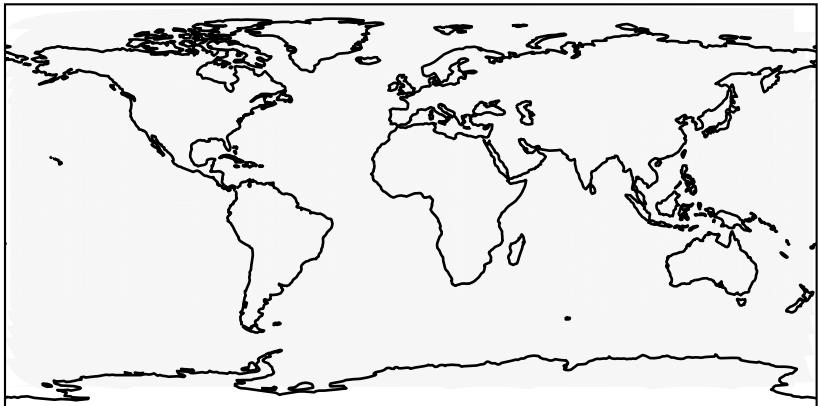
Zero throughout domain  
s-1

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



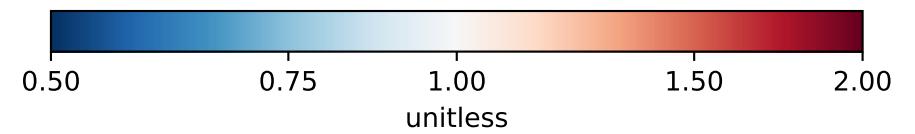
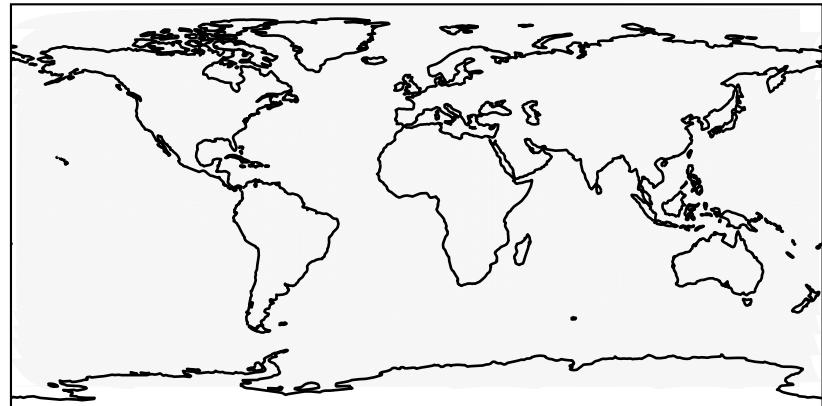
Zero throughout domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



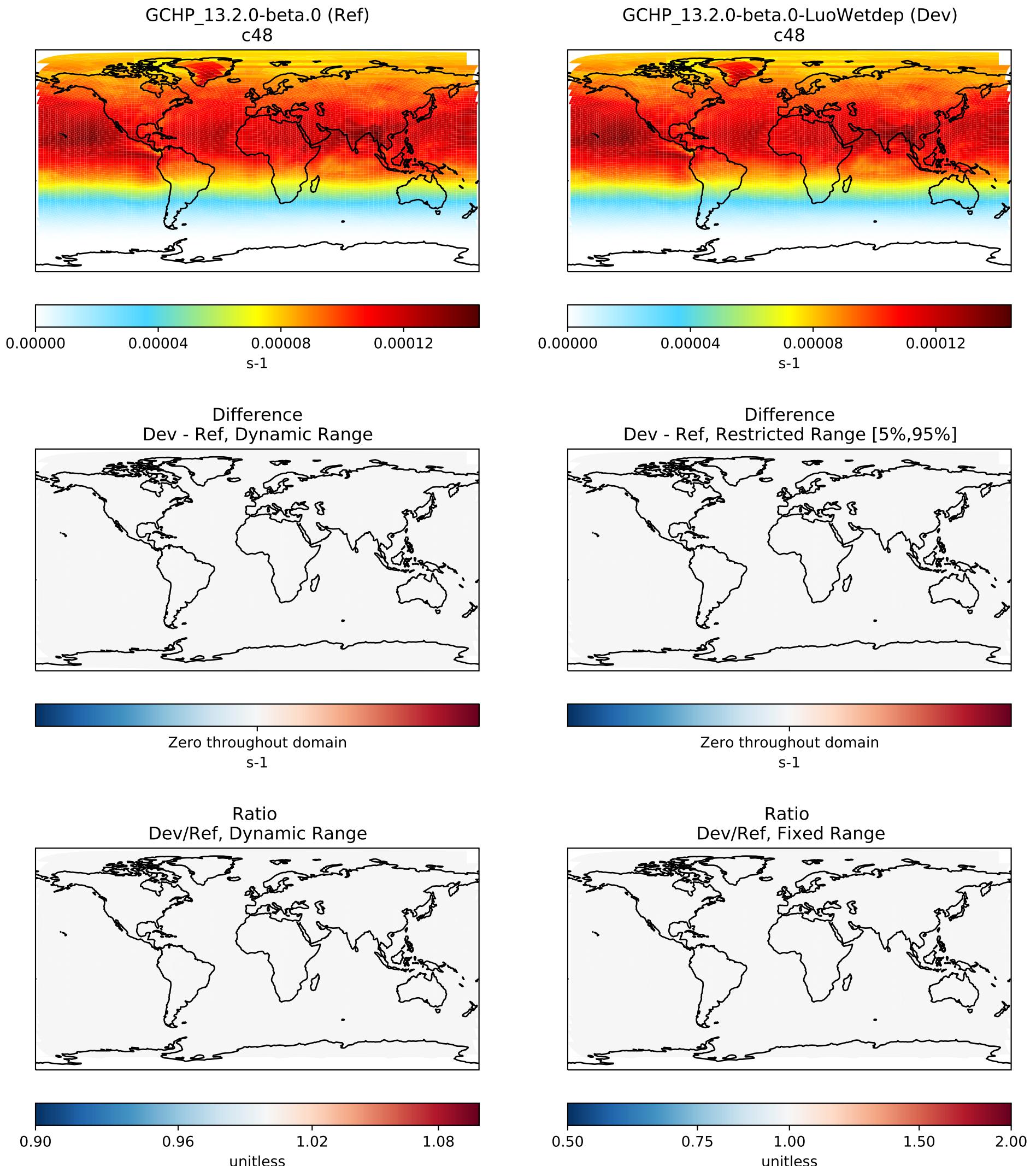
unitless

Ratio  
Dev/Ref, Fixed Range



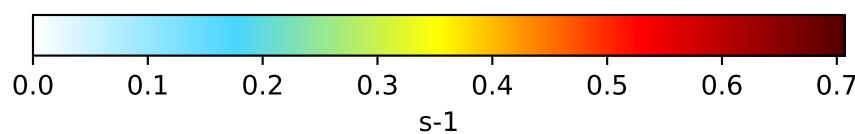
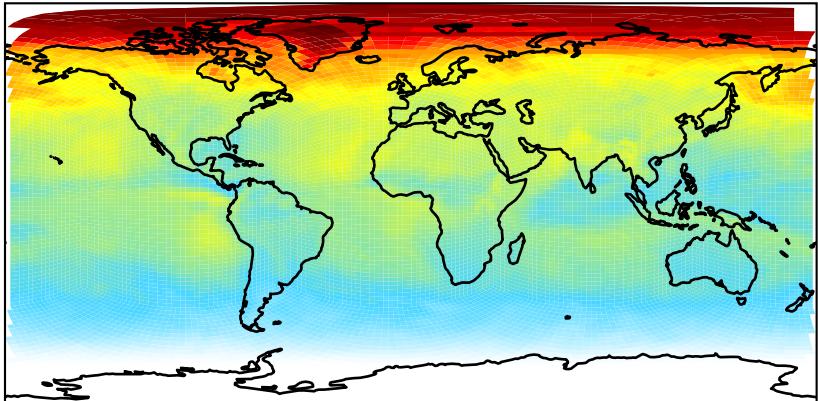
unitless

# Jval\_CIO

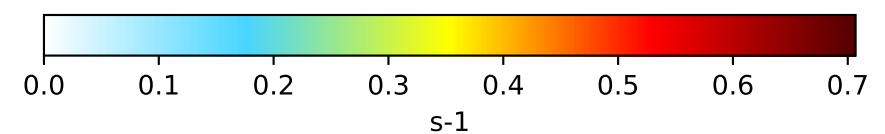
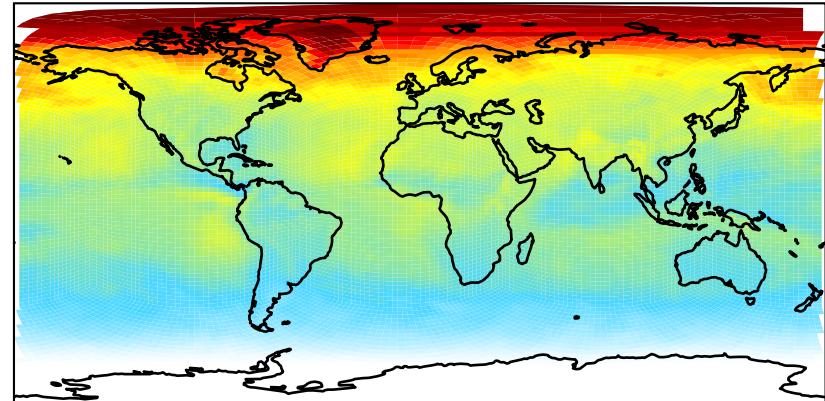


# Jval\_CIOO

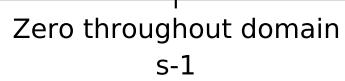
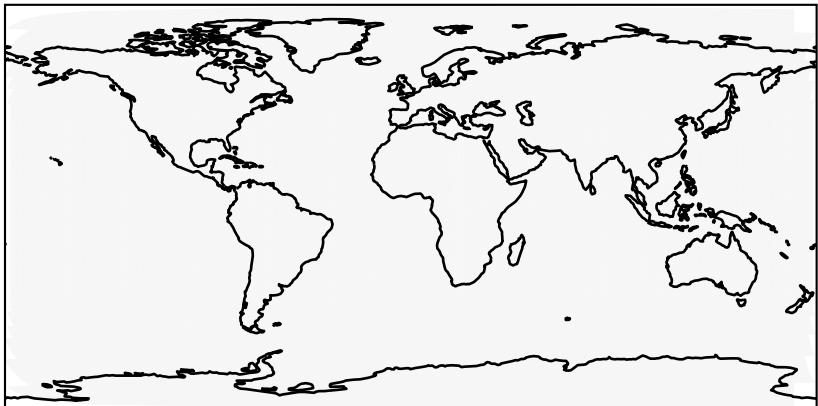
GCHP\_13.2.0-beta.0 (Ref)  
c48



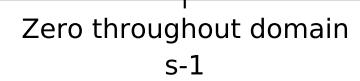
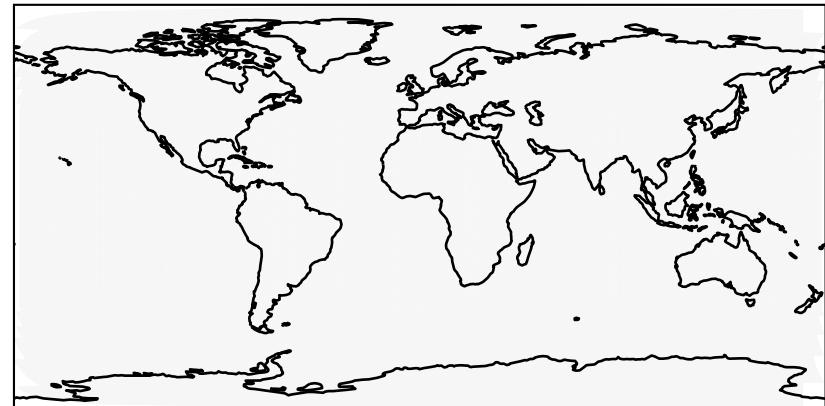
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



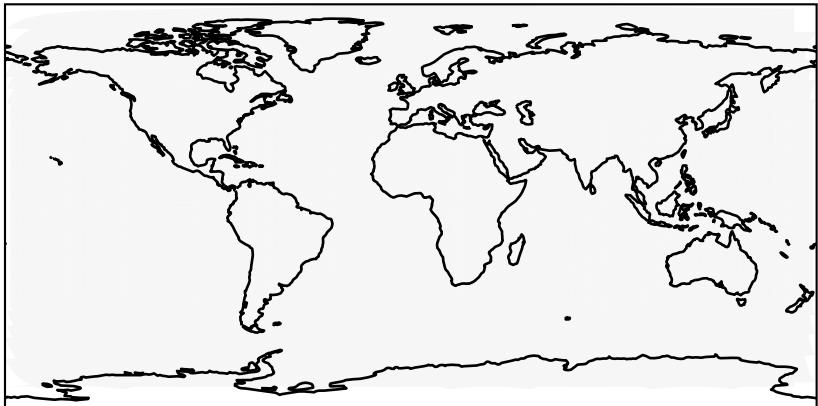
Difference  
Dev - Ref, Dynamic Range



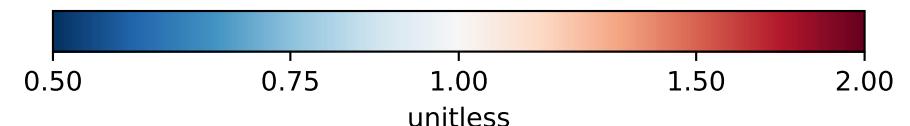
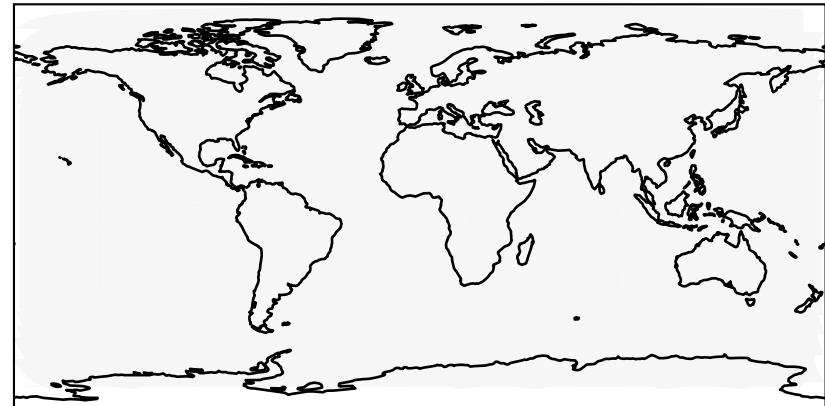
Difference  
Dev - Ref, Restricted Range [5%,95%]



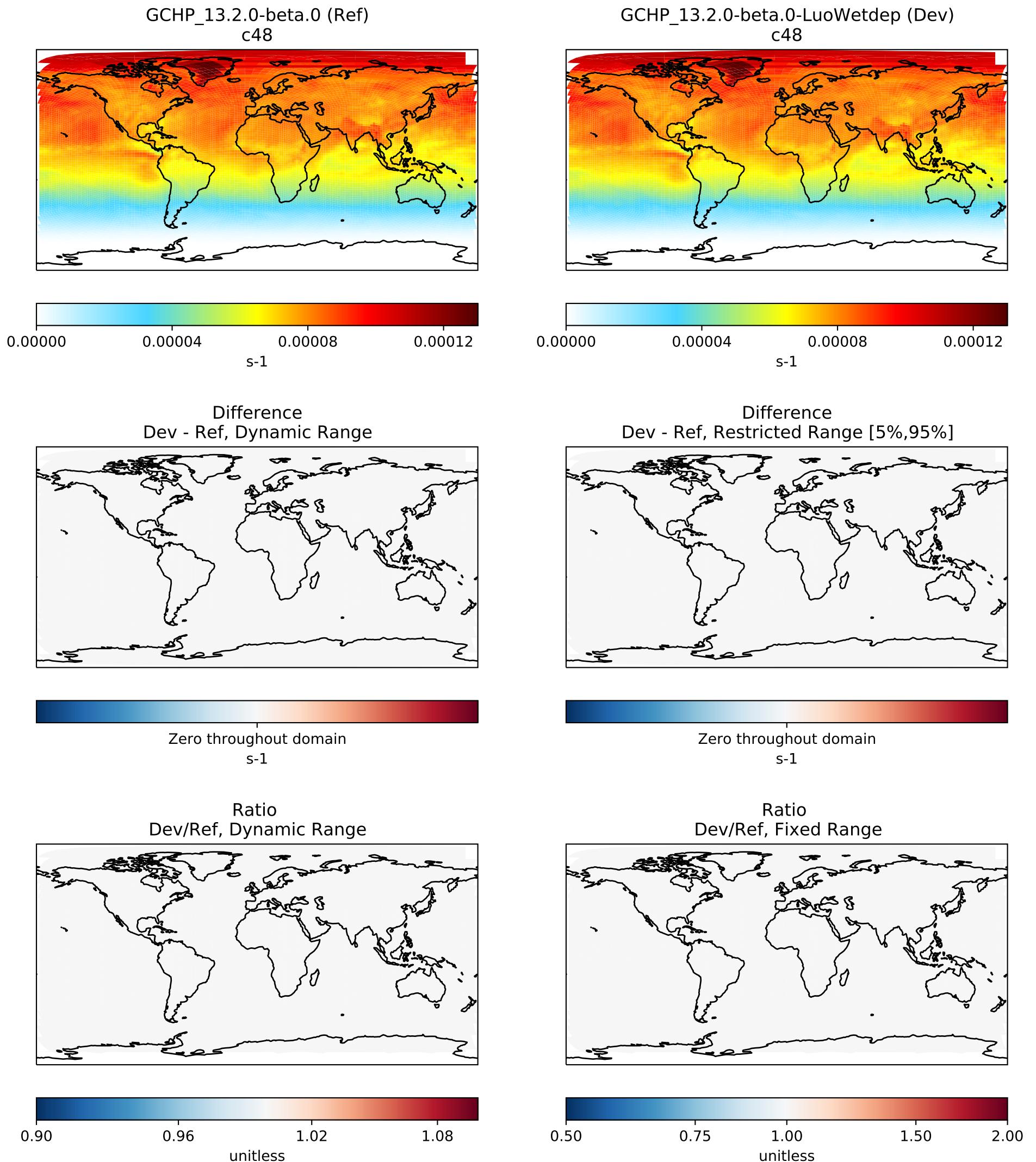
Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

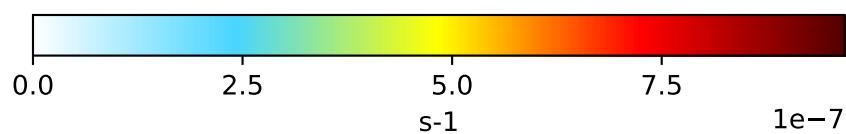
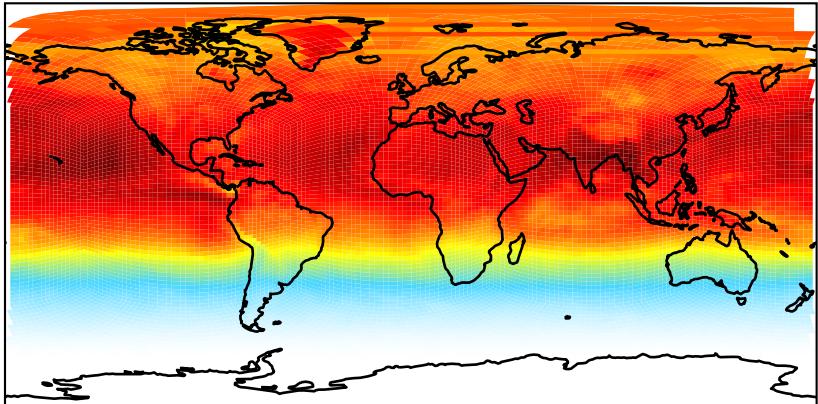


# Jval\_ETHLN

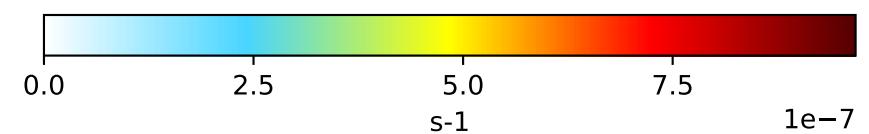
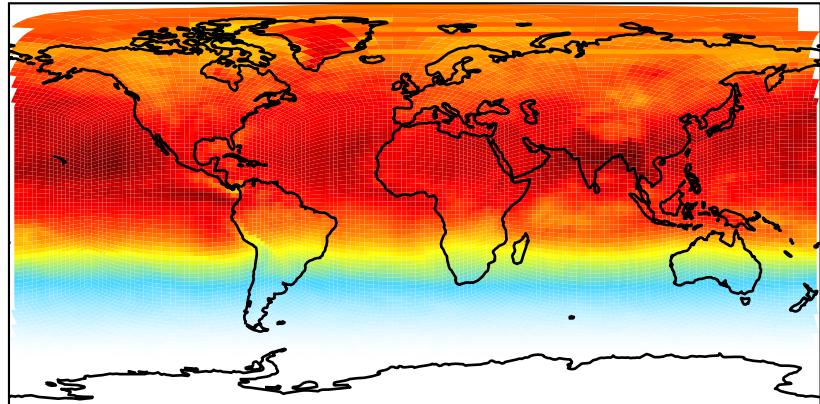


# Jval\_ETNO3

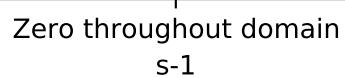
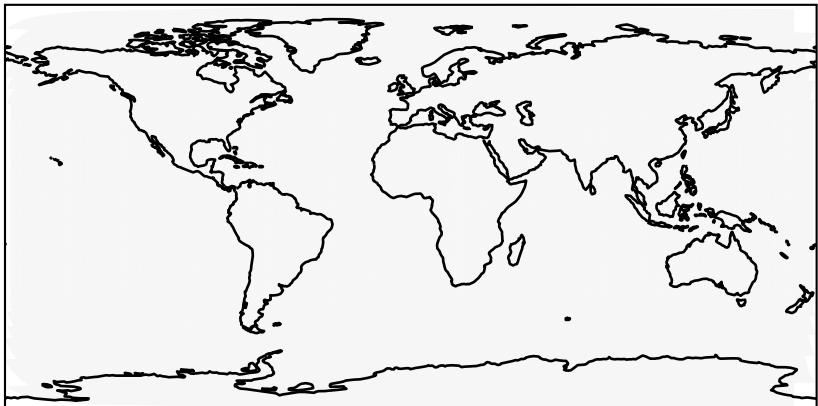
GCHP\_13.2.0-beta.0 (Ref)  
c48



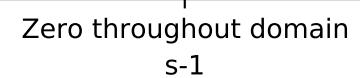
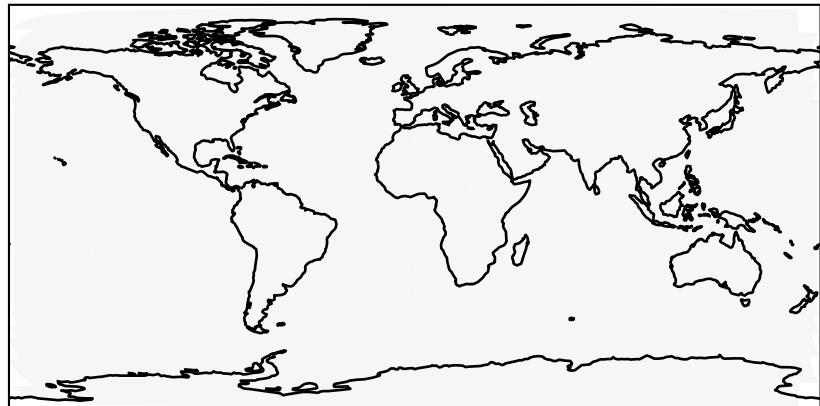
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



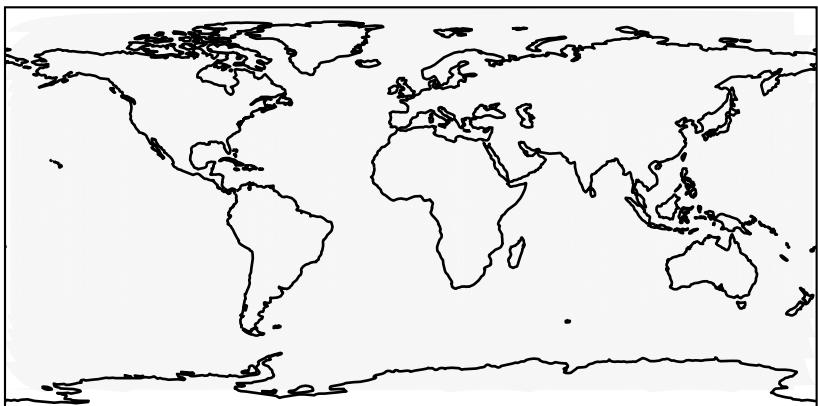
Difference  
Dev - Ref, Dynamic Range



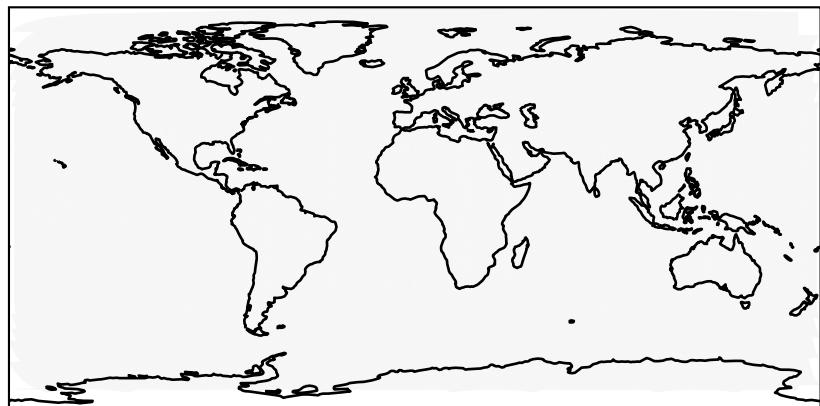
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

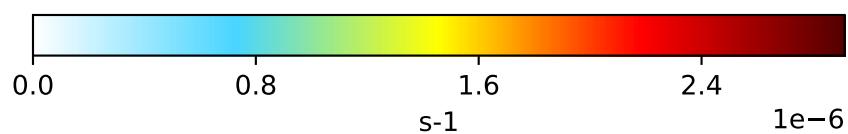
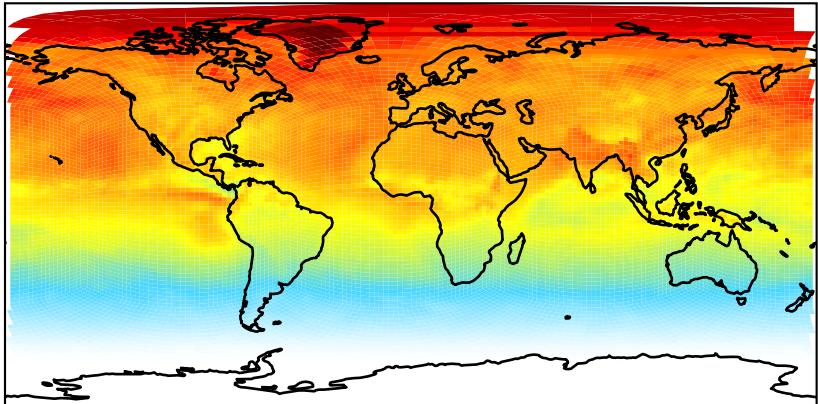


Ratio  
Dev/Ref, Fixed Range

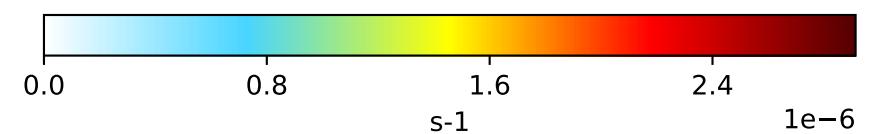
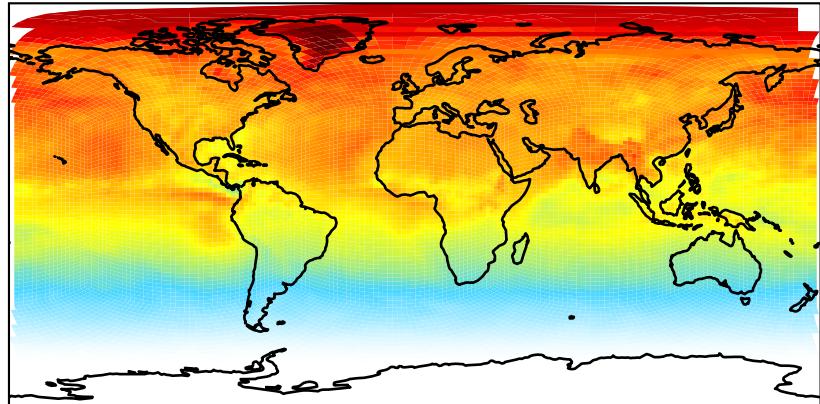


# Jval\_ETP

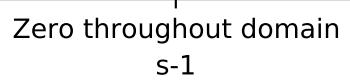
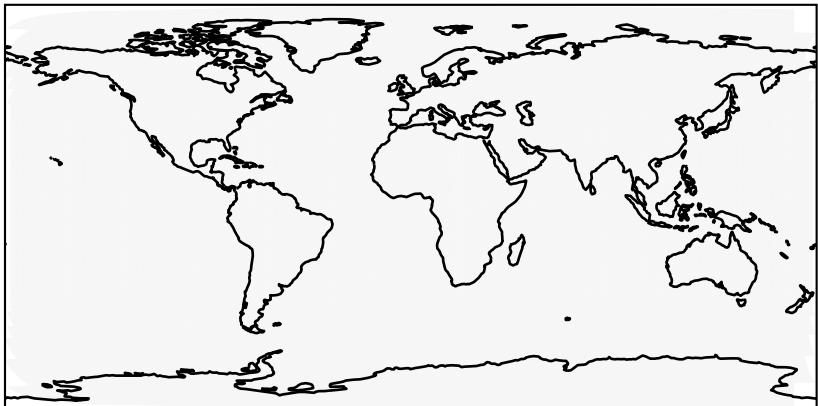
GCHP\_13.2.0-beta.0 (Ref)  
c48



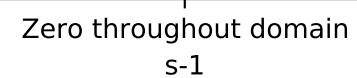
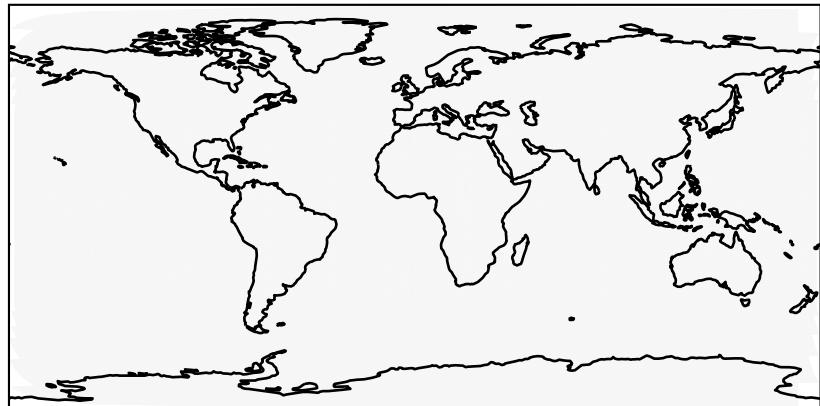
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



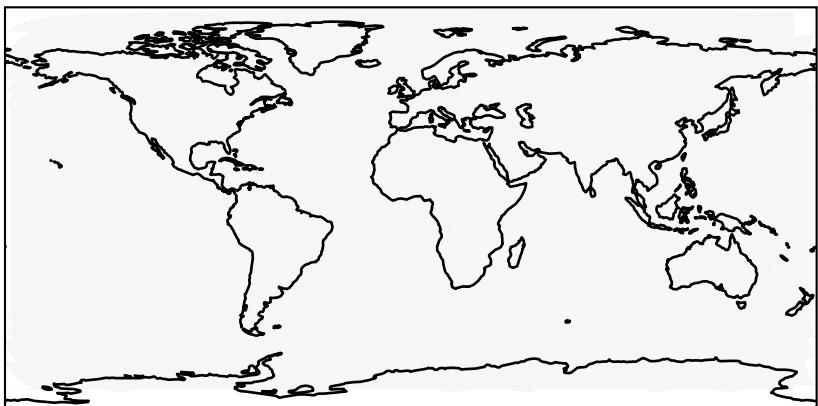
Difference  
Dev - Ref, Dynamic Range



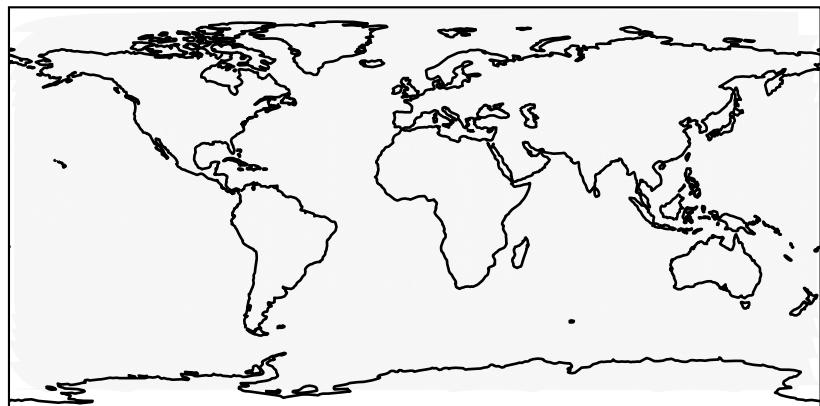
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

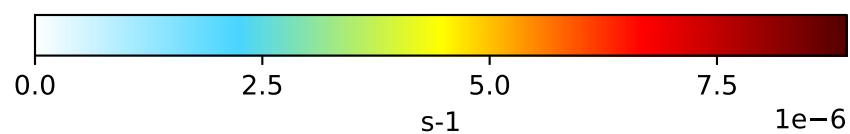
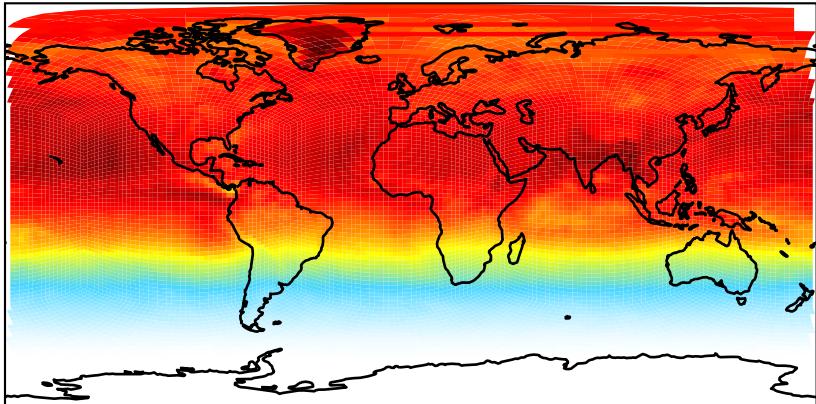


Ratio  
Dev/Ref, Fixed Range

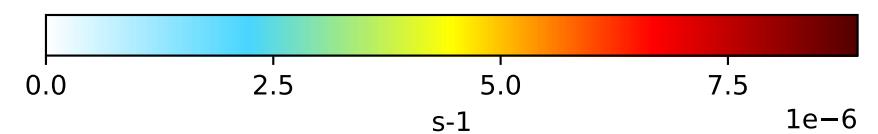
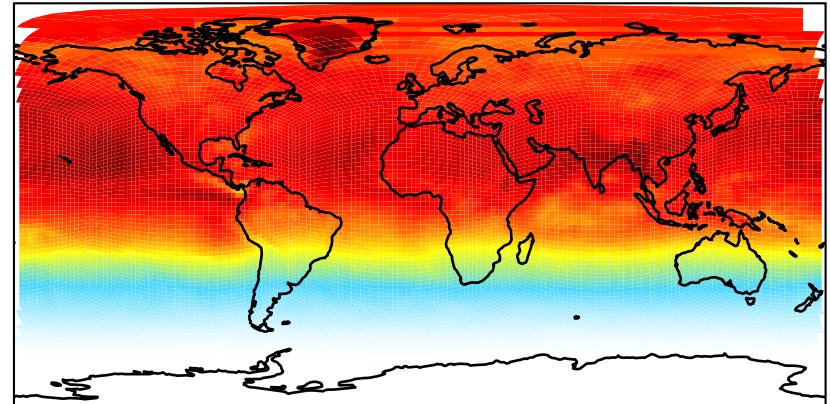


# Jval\_GLYC

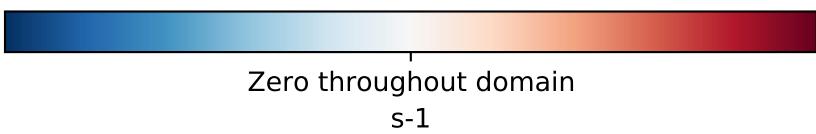
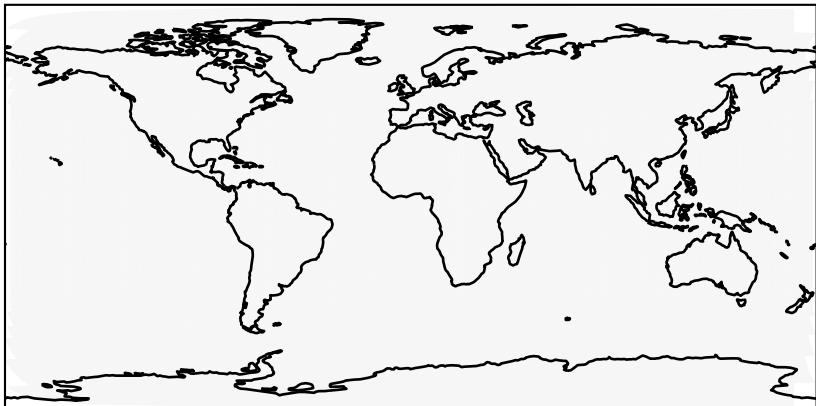
GCHP\_13.2.0-beta.0 (Ref)  
c48



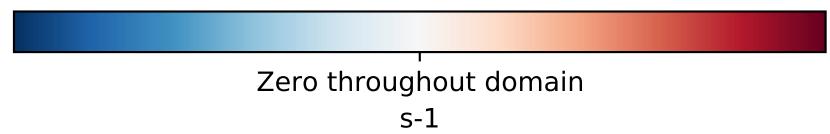
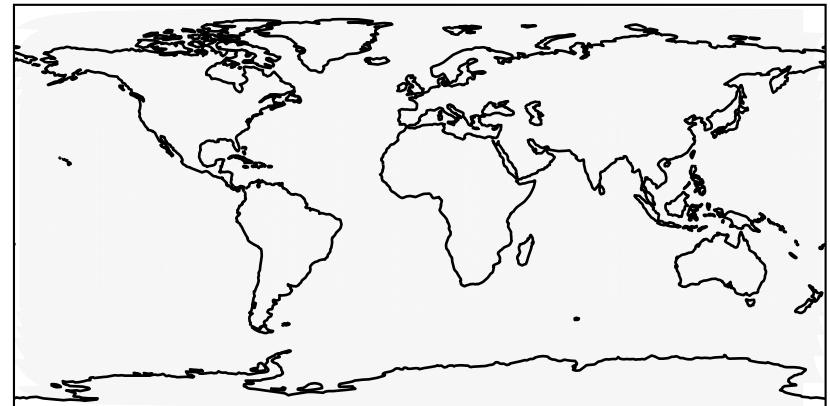
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



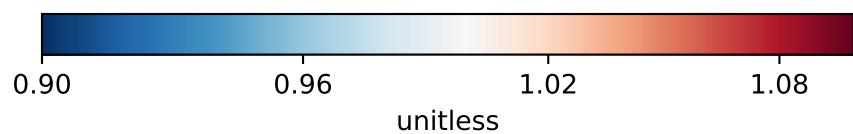
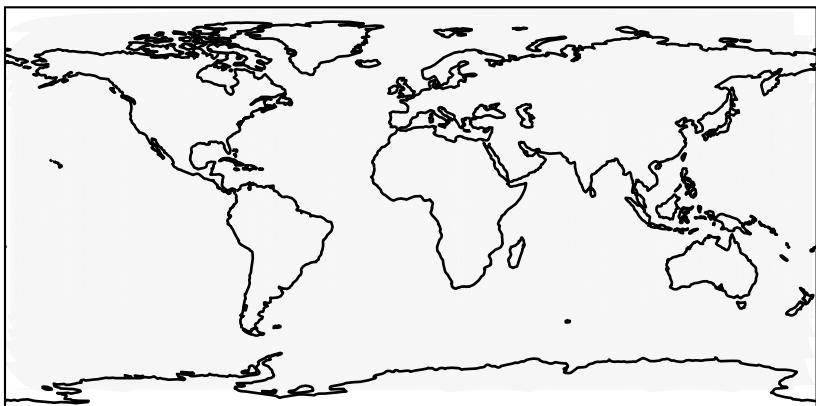
Difference  
Dev - Ref, Dynamic Range



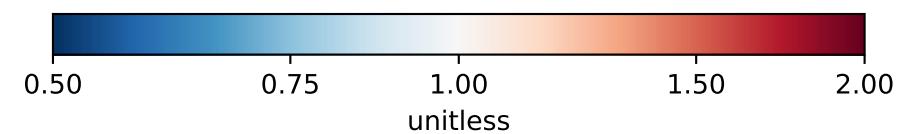
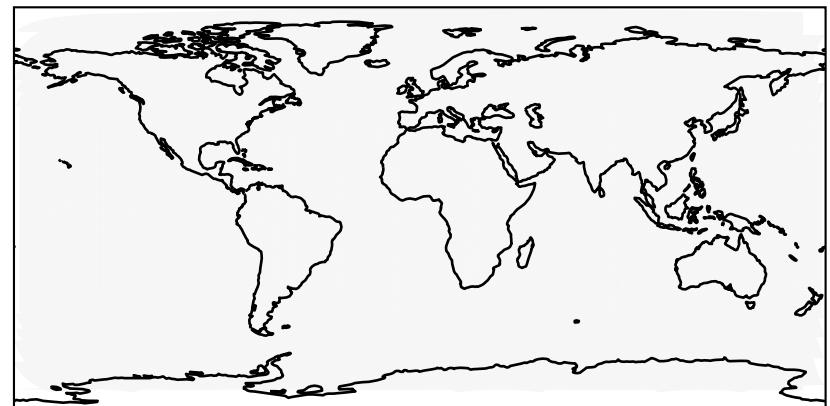
Difference  
Dev - Ref, Restricted Range [5%,95%]



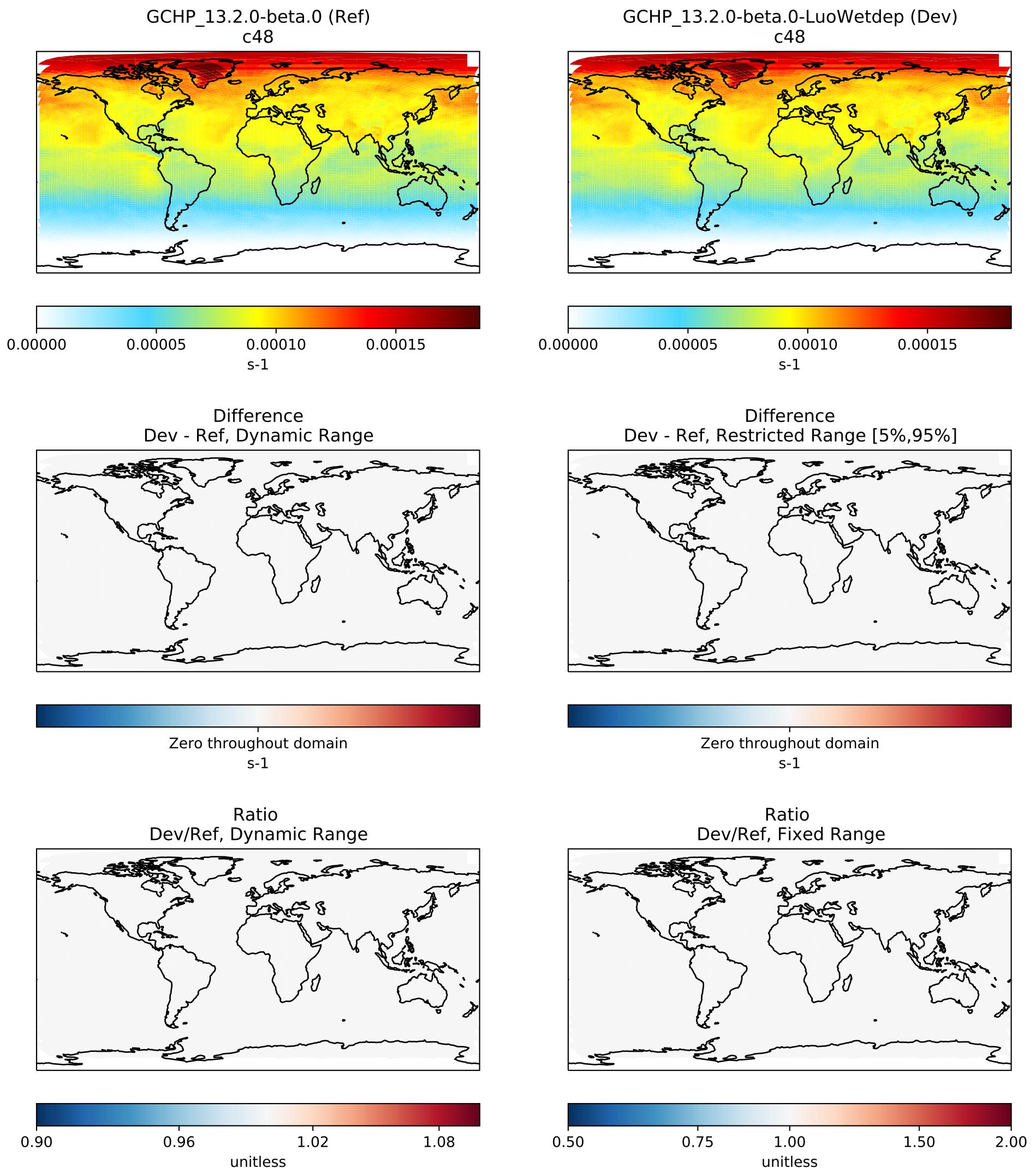
Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

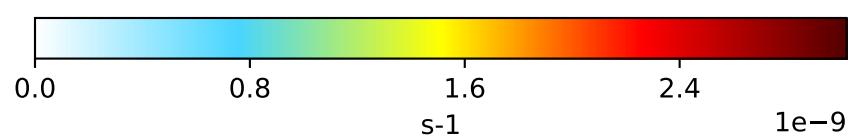
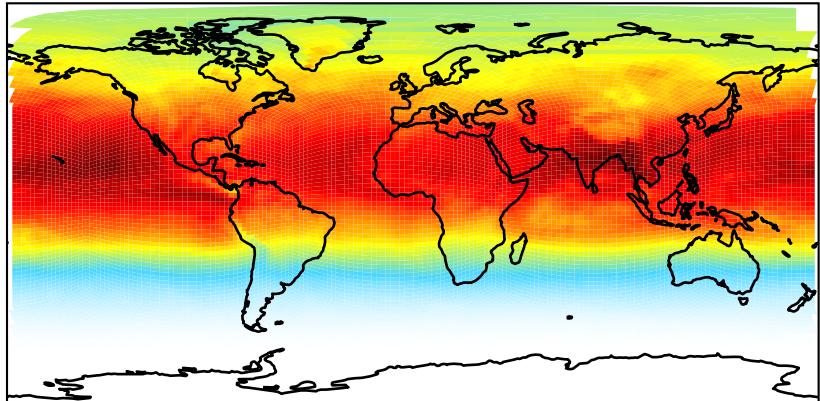


# Jval\_GLYX

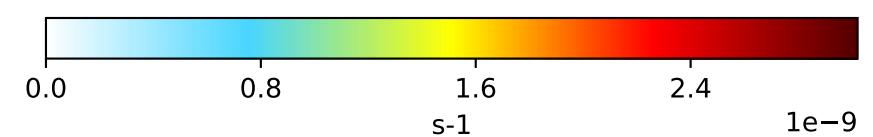
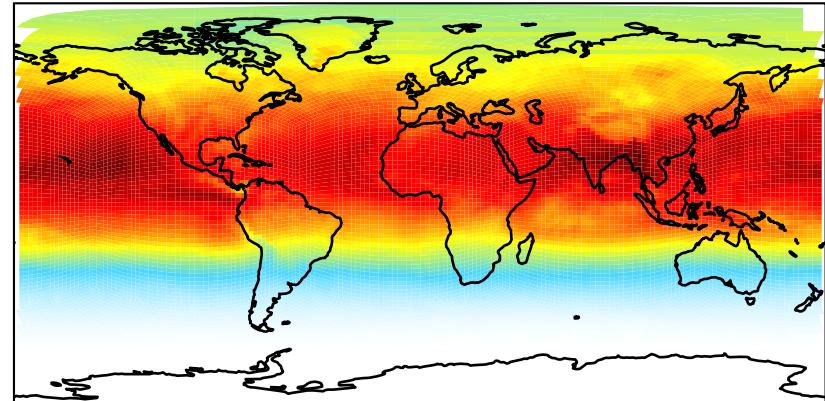


# Jval\_H1211

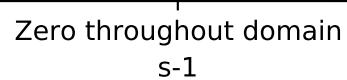
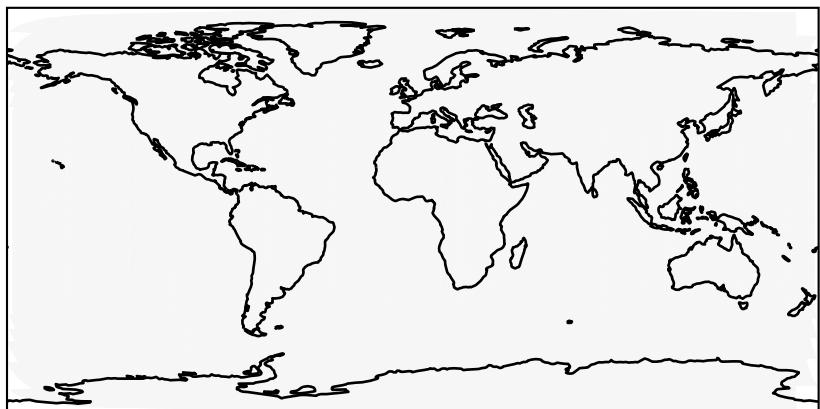
GCHP\_13.2.0-beta.0 (Ref)  
c48



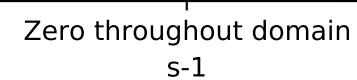
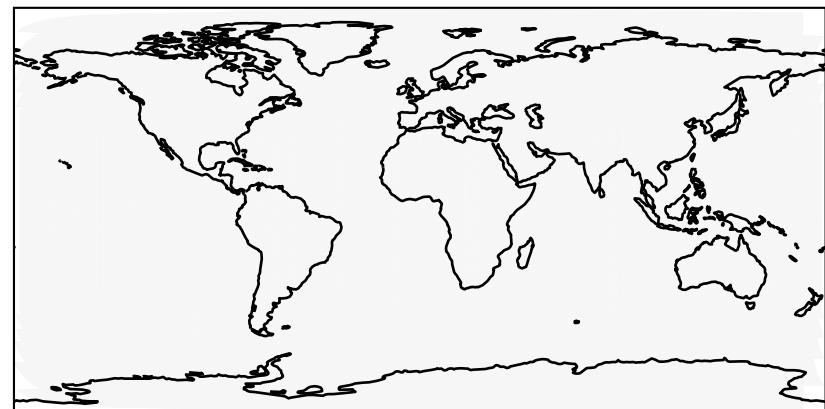
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



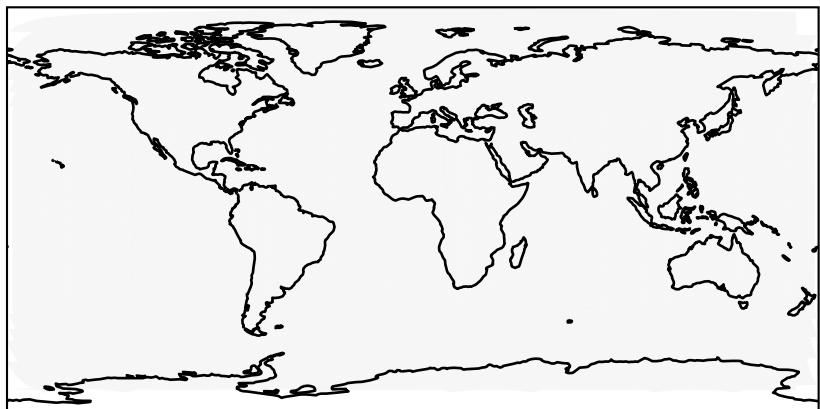
Difference  
Dev - Ref, Dynamic Range



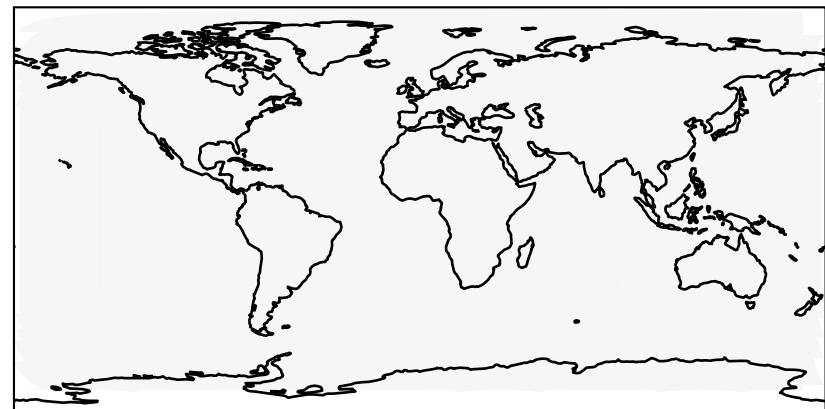
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

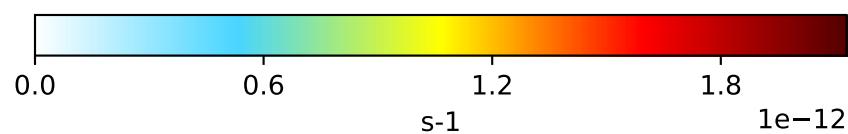
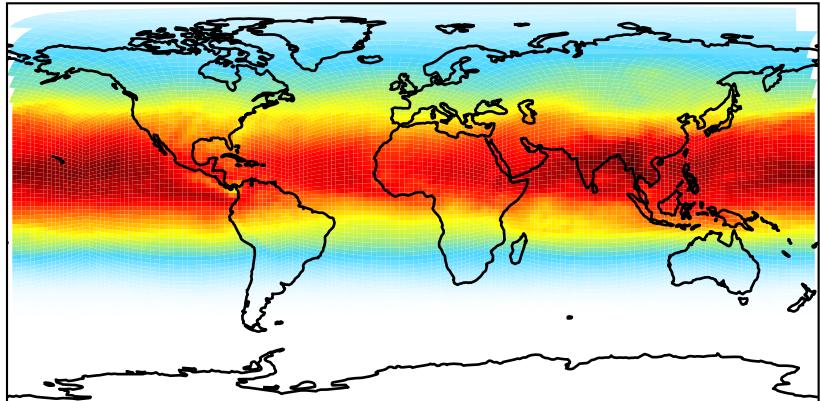


Ratio  
Dev/Ref, Fixed Range

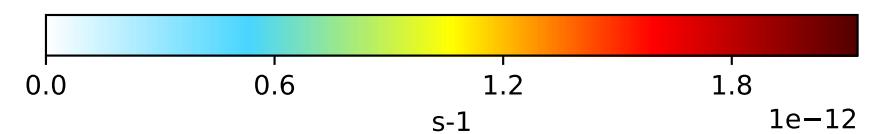
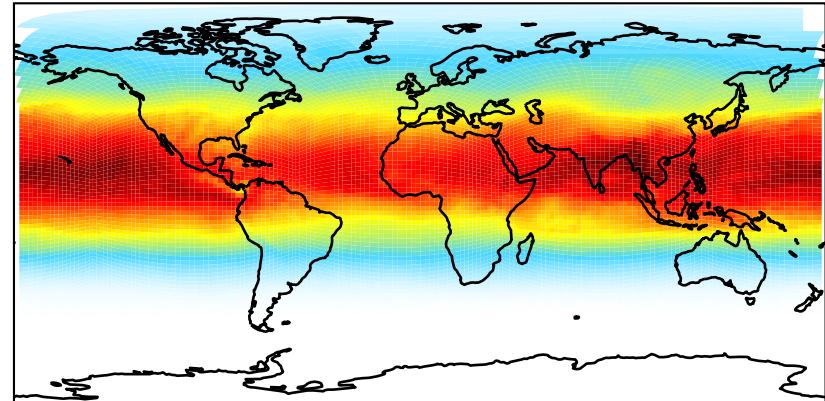


# Jval\_H1301

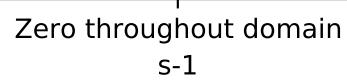
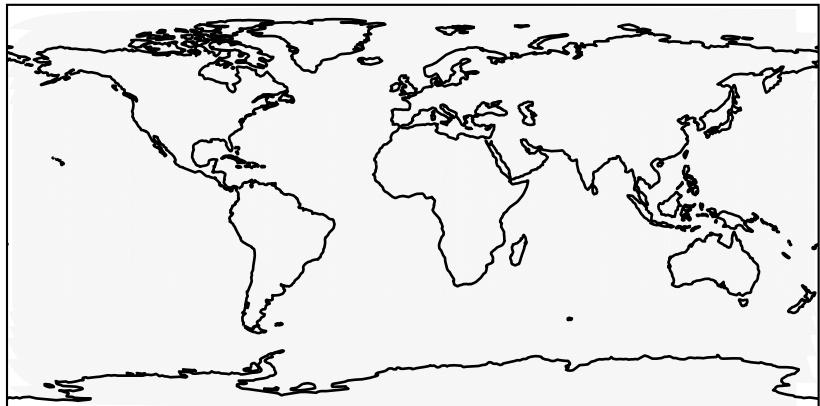
GCHP\_13.2.0-beta.0 (Ref)  
c48



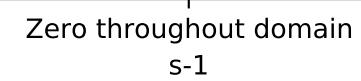
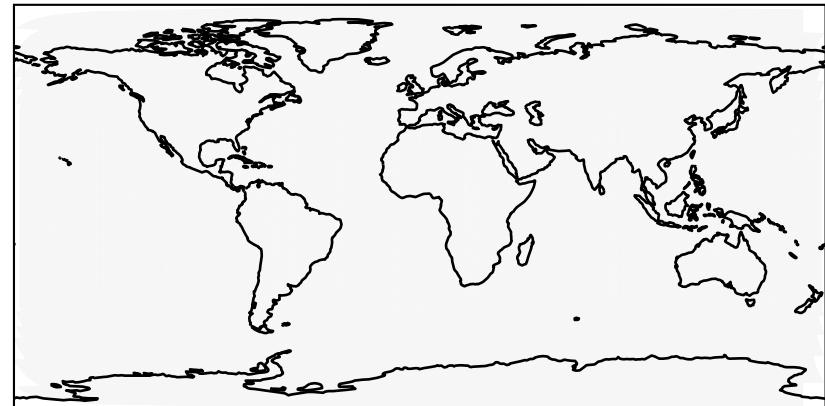
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



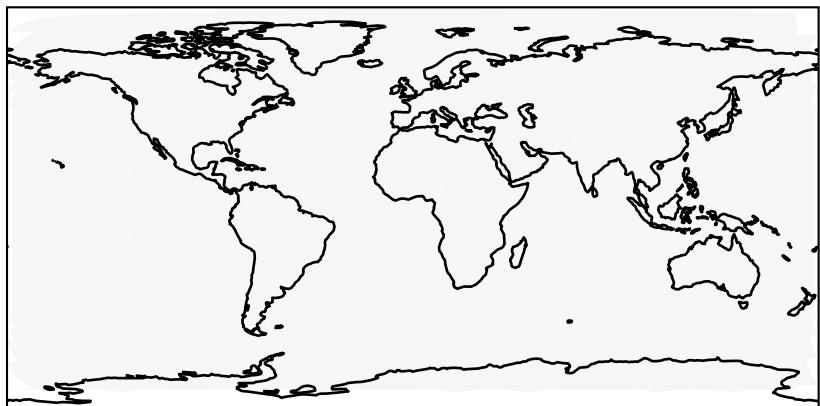
Difference  
Dev - Ref, Dynamic Range



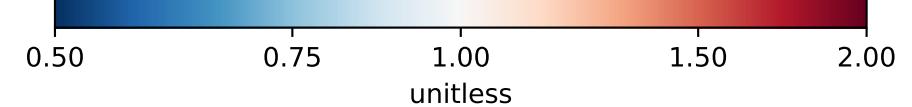
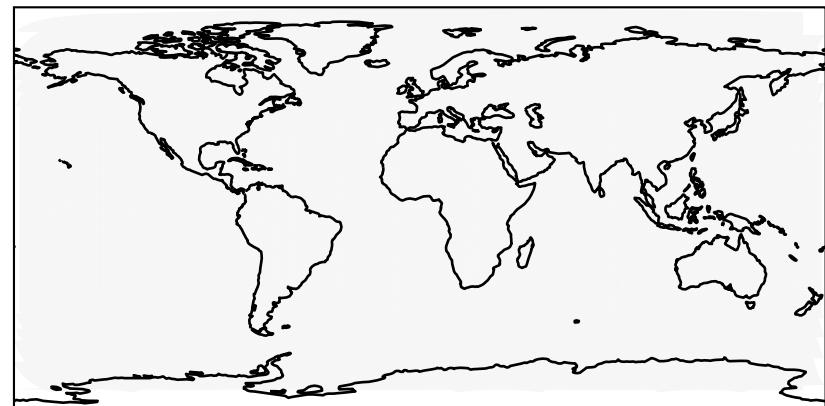
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

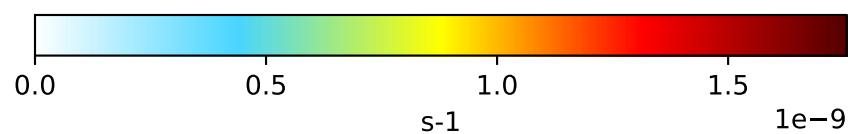
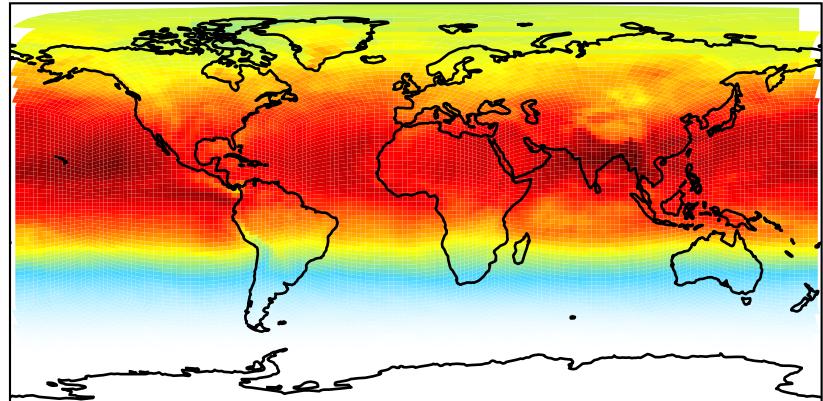


Ratio  
Dev/Ref, Fixed Range

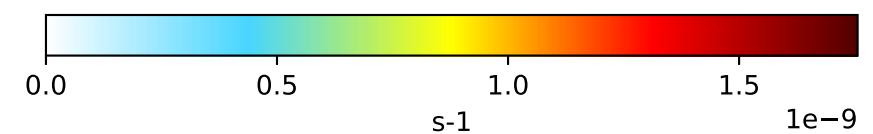
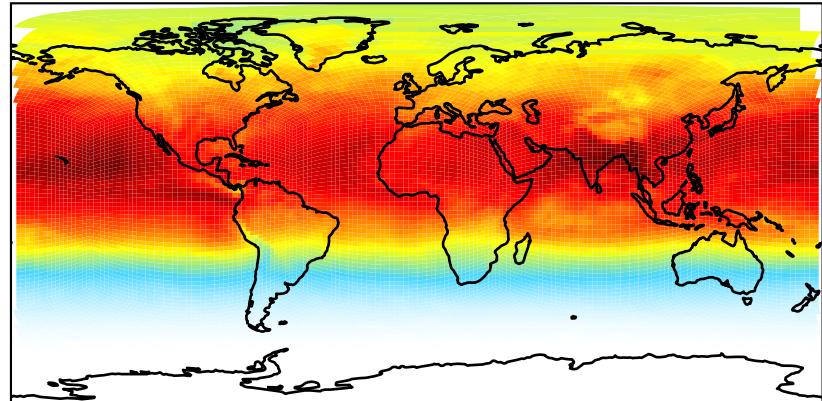


# Jval\_H2402

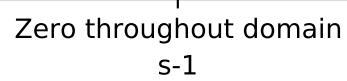
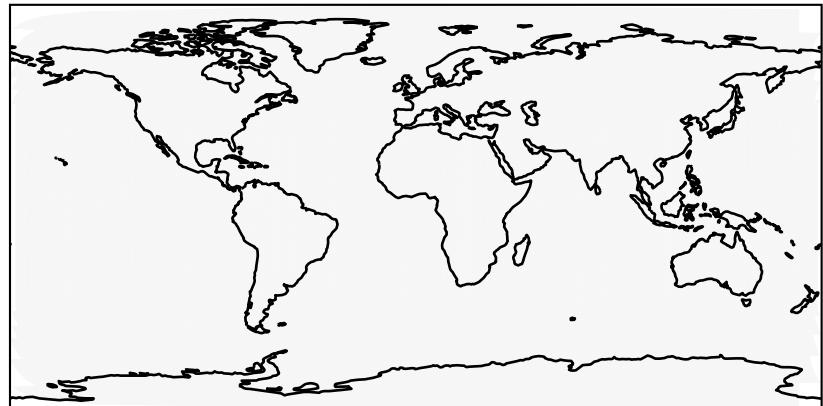
GCHP\_13.2.0-beta.0 (Ref)  
c48



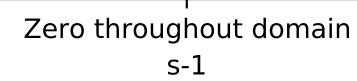
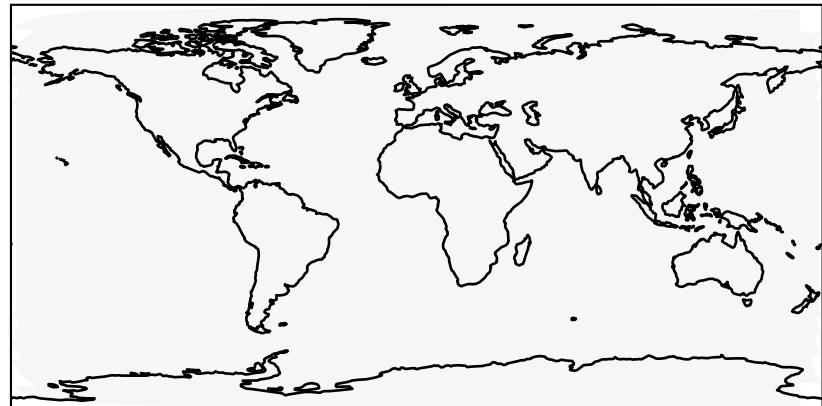
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



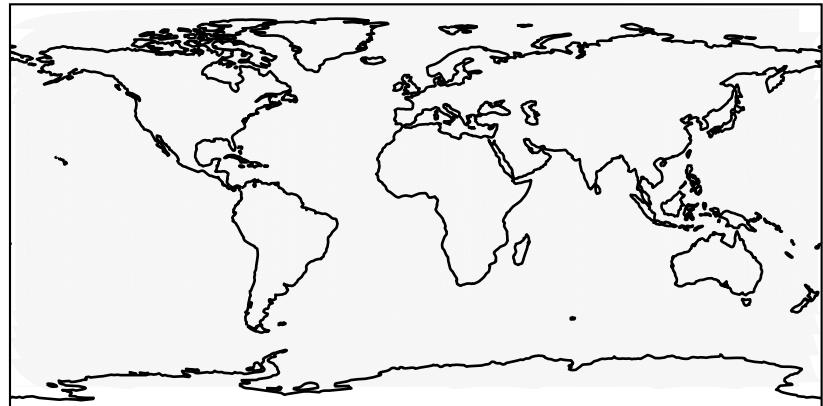
Difference  
Dev - Ref, Dynamic Range



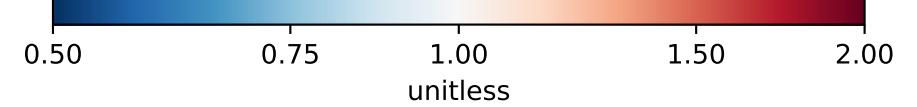
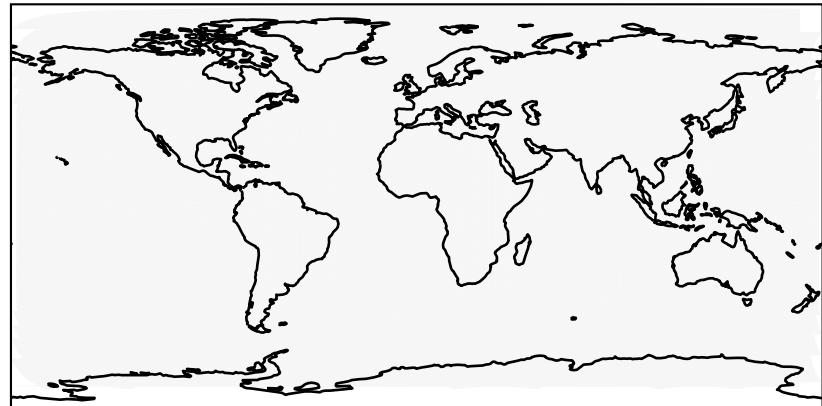
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

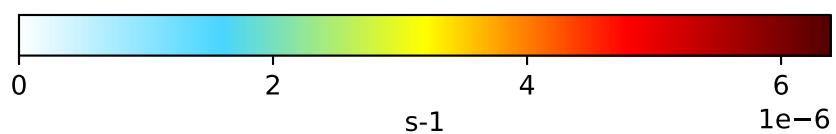
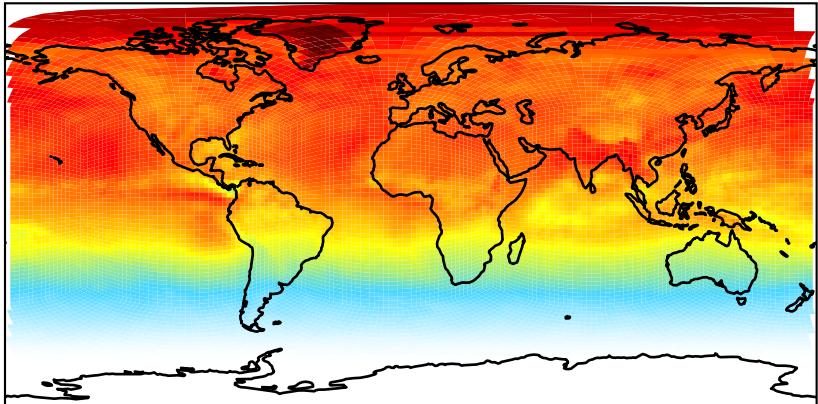


Ratio  
Dev/Ref, Fixed Range

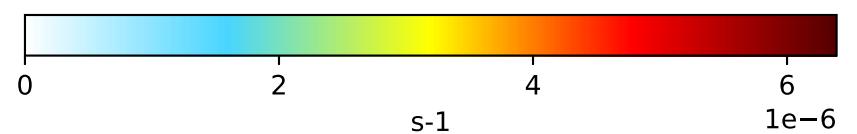
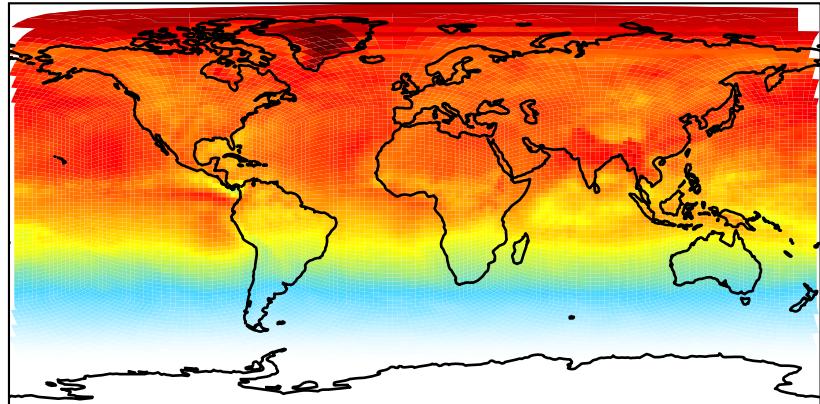


# Jval\_H2O2

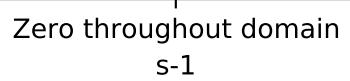
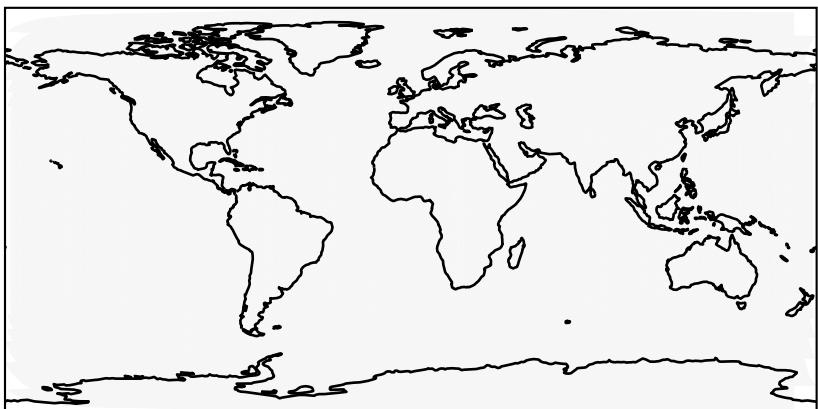
GCHP\_13.2.0-beta.0 (Ref)  
c48



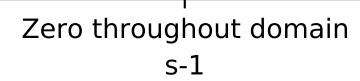
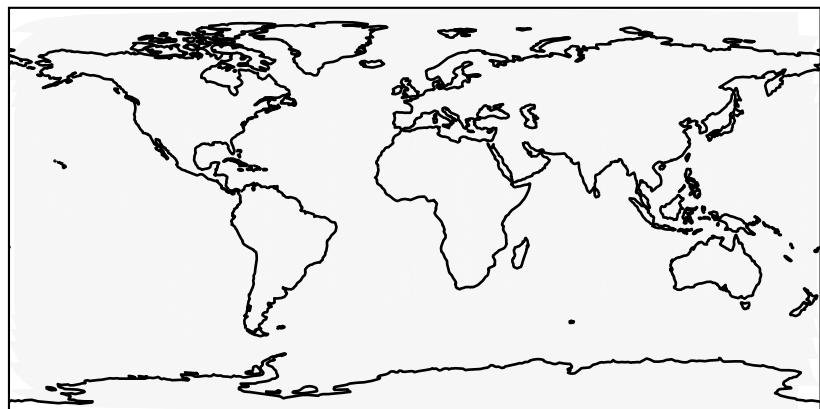
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



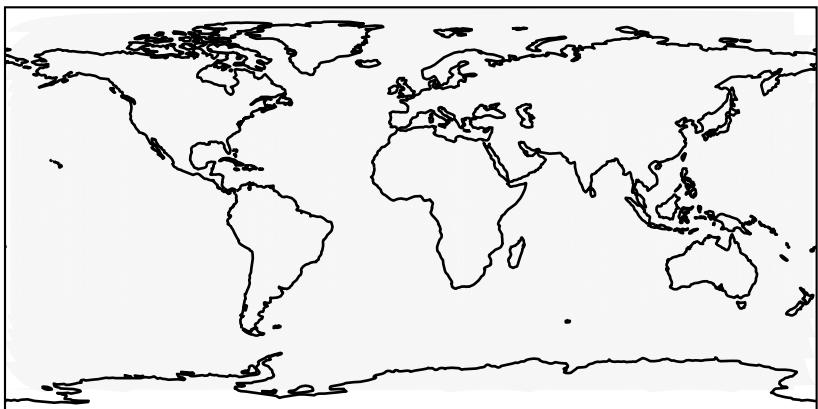
Difference  
Dev - Ref, Dynamic Range



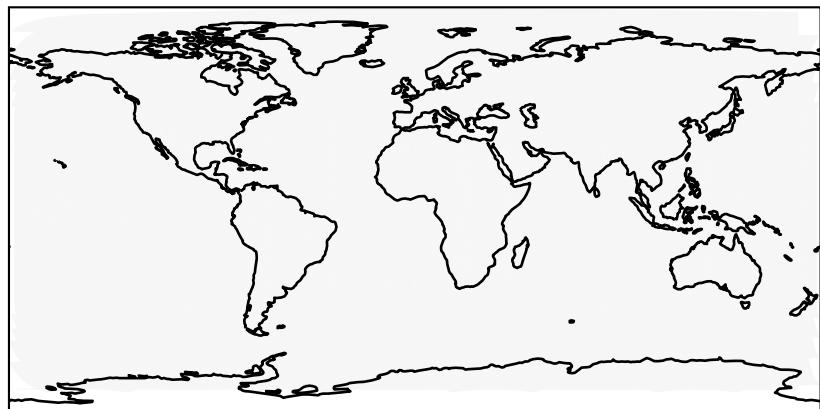
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

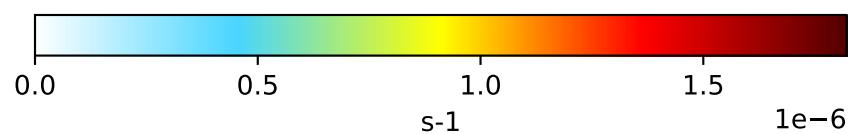
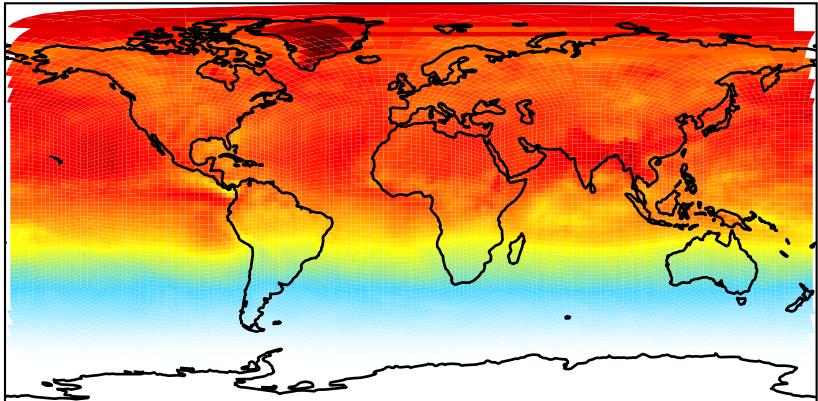


Ratio  
Dev/Ref, Fixed Range

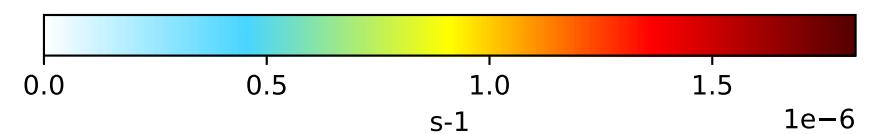
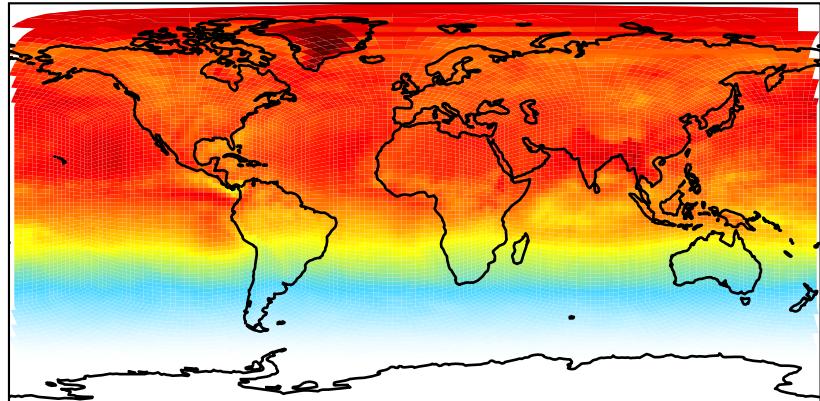


# Jval\_HAC

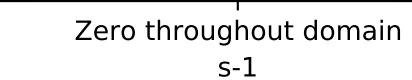
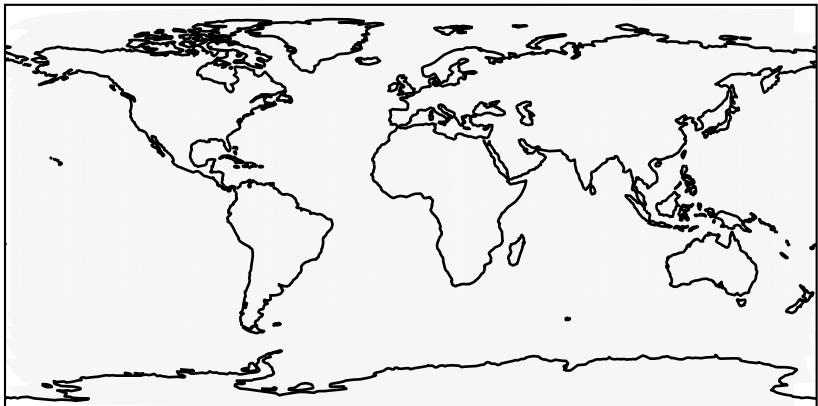
GCHP\_13.2.0-beta.0 (Ref)  
c48



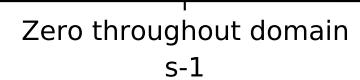
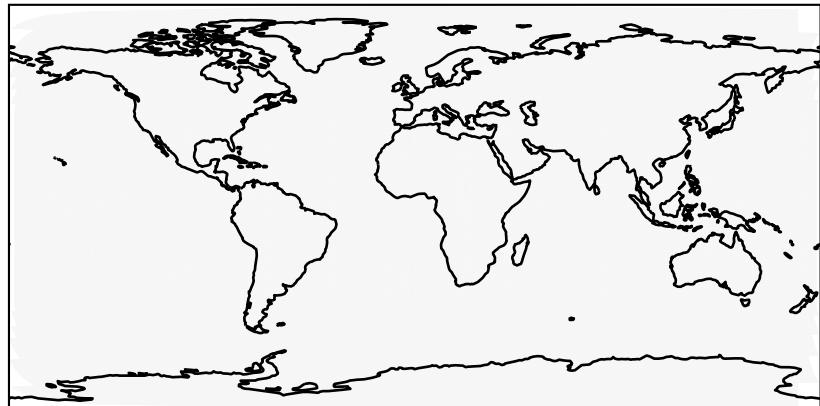
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



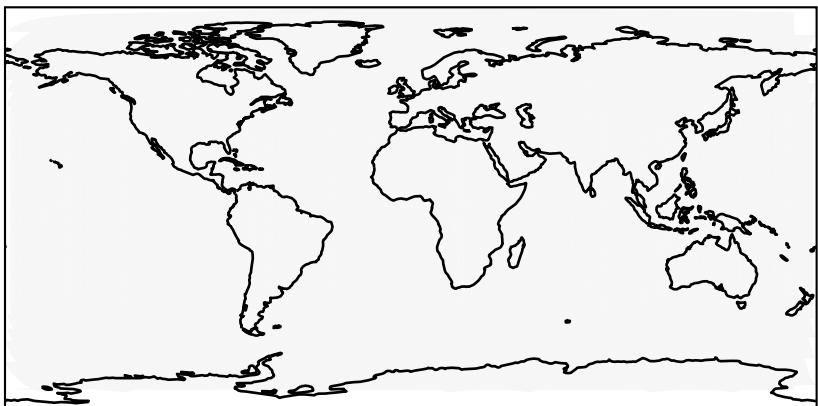
Difference  
Dev - Ref, Dynamic Range



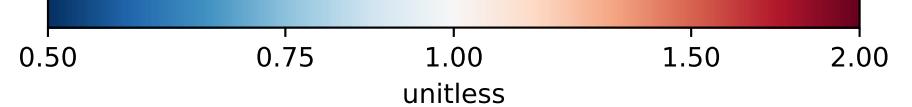
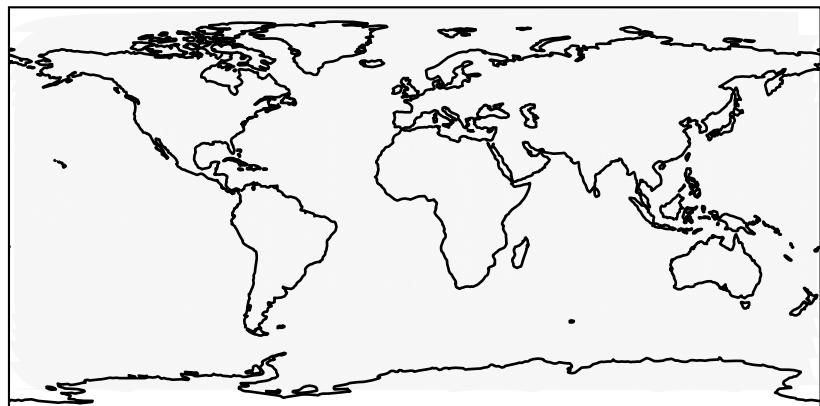
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

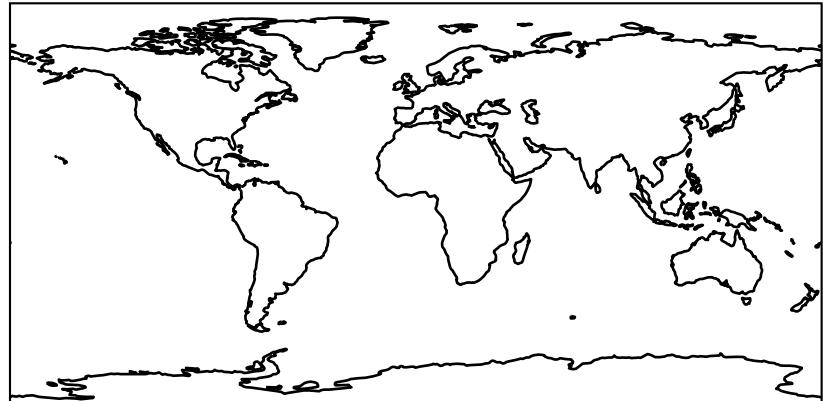


Ratio  
Dev/Ref, Fixed Range



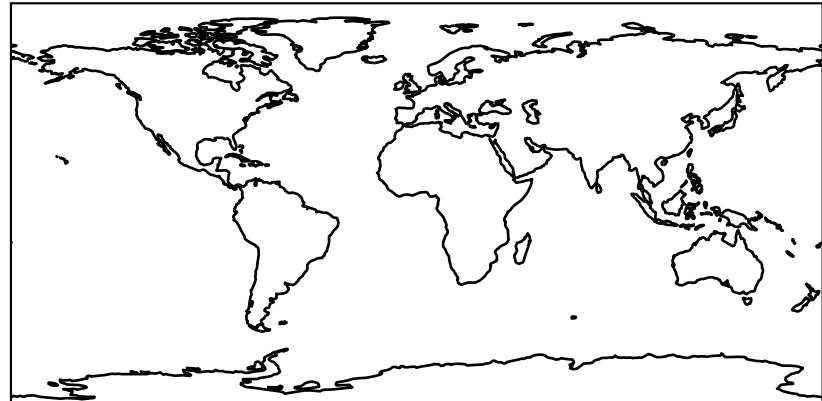
# Jval\_HC5A

GCHP\_13.2.0-beta.0 (Ref)  
c48



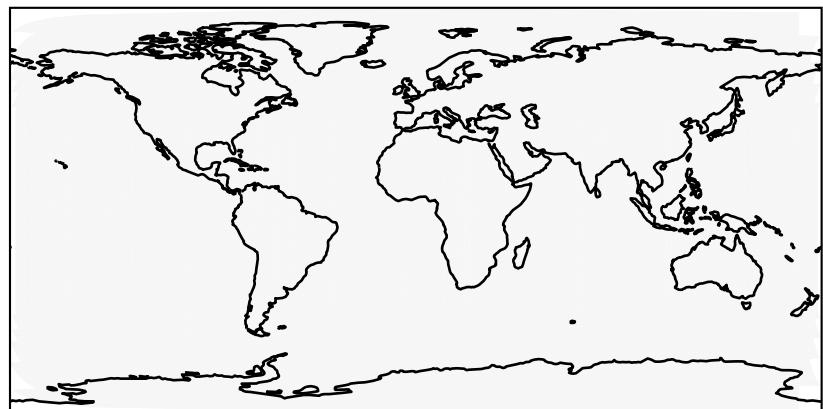
Zero throughout domain  
s-1

GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



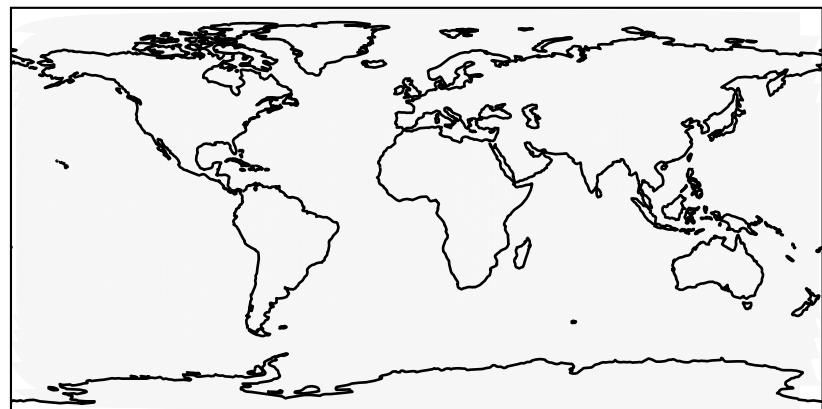
Zero throughout domain  
s-1

Difference  
Dev - Ref, Dynamic Range



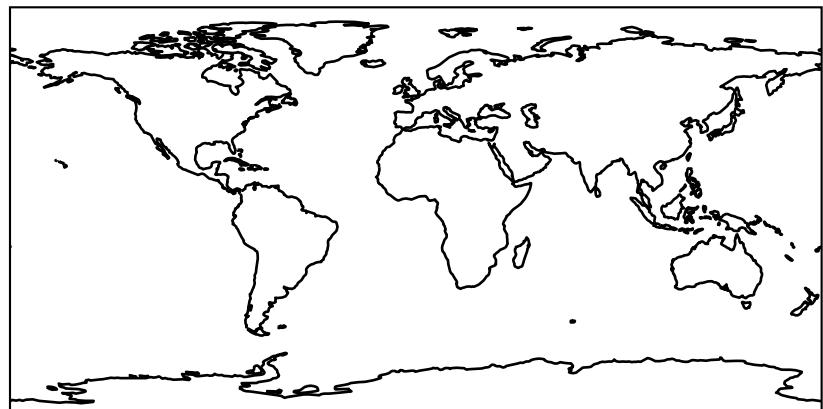
Zero throughout domain  
s-1

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



Zero throughout domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



Undefined throughout domain  
unitless

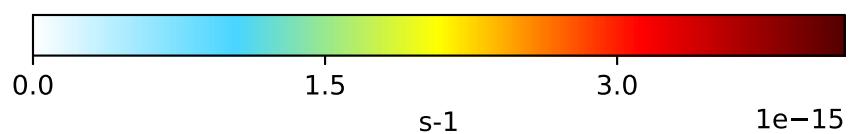
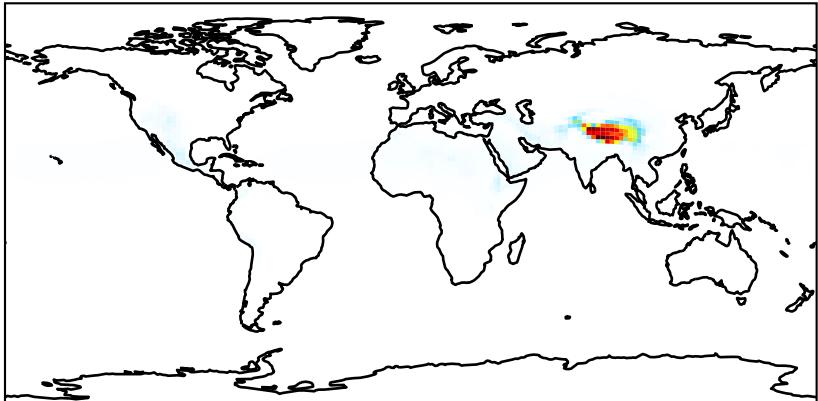
Ratio  
Dev/Ref, Fixed Range



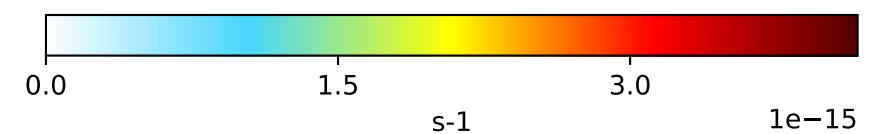
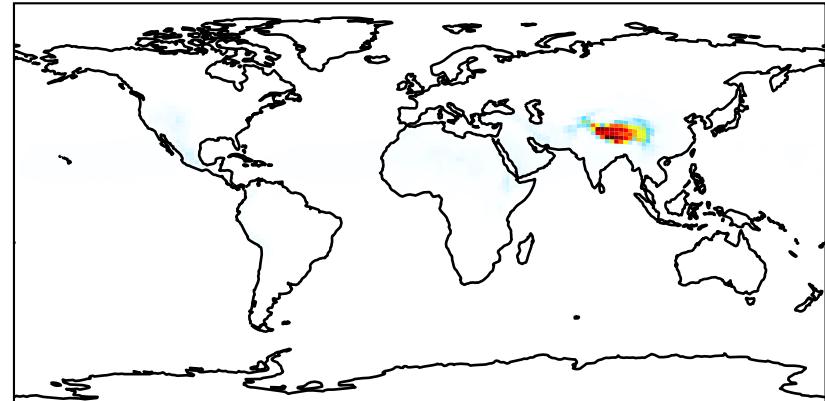
Undefined throughout domain  
unitless

# Jval\_HCFC123

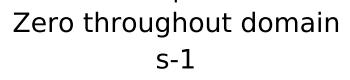
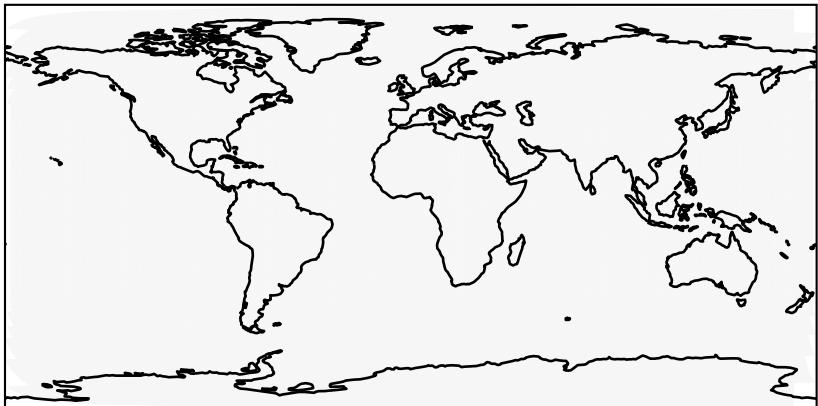
GCHP\_13.2.0-beta.0 (Ref)  
c48



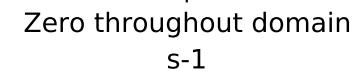
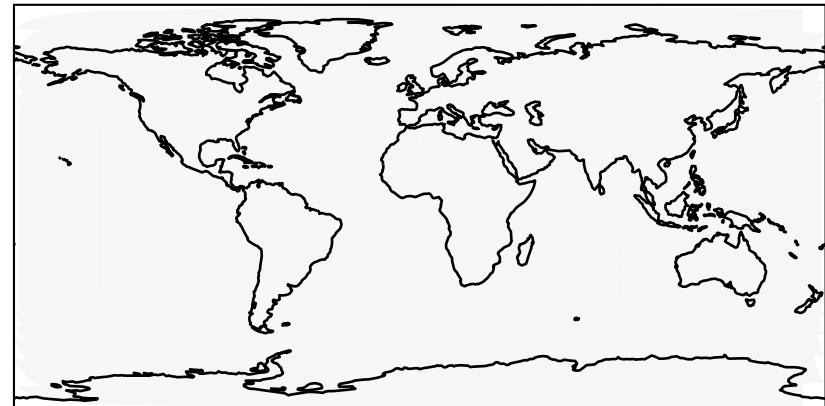
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



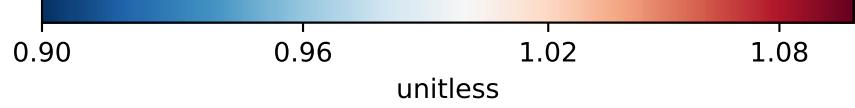
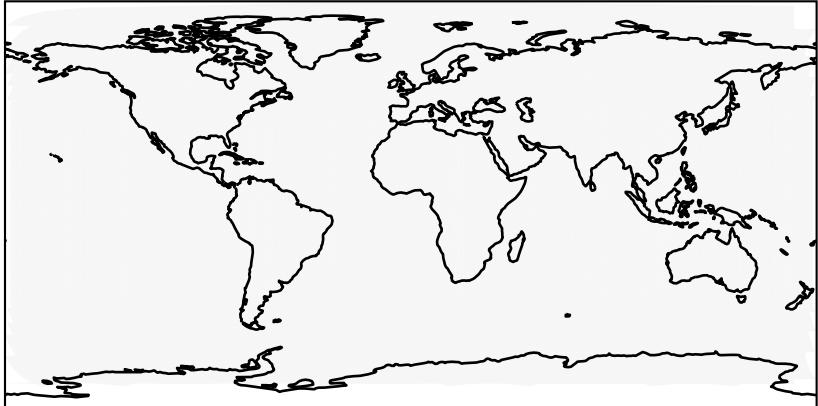
Difference  
Dev - Ref, Dynamic Range



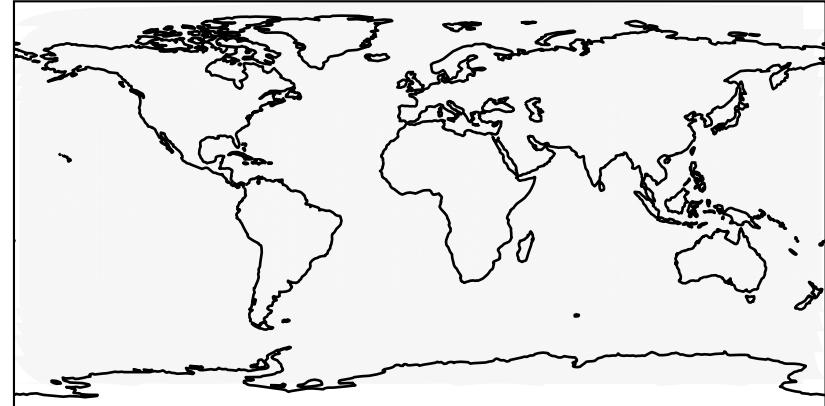
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

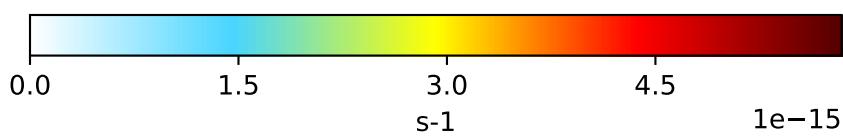
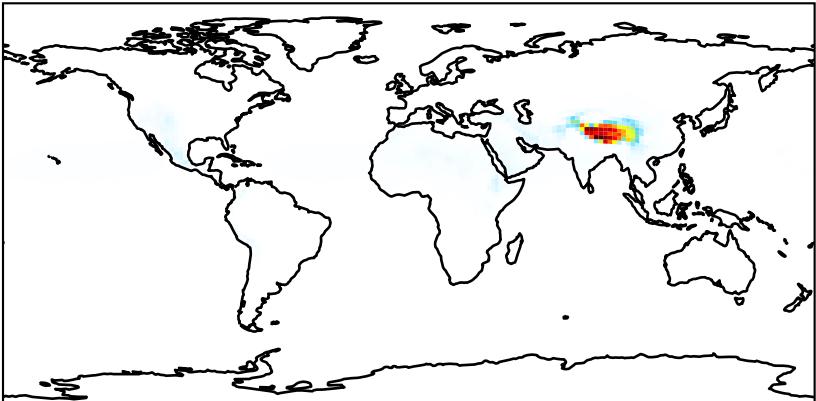


Ratio  
Dev/Ref, Fixed Range

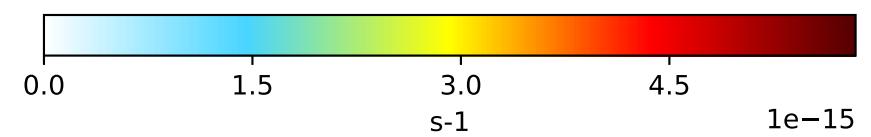
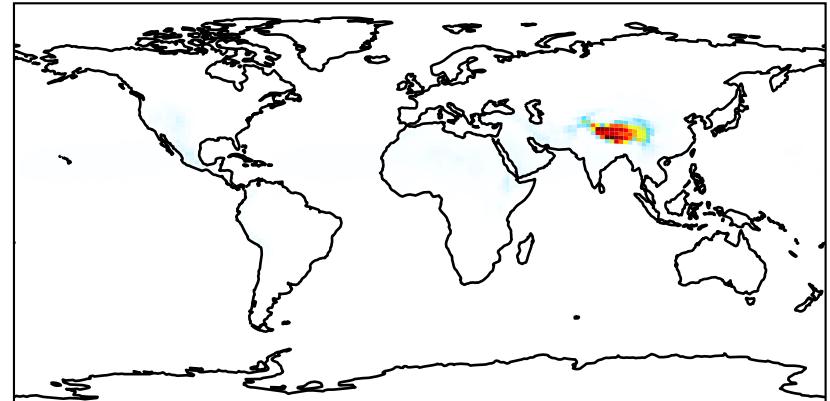


# Jval\_HCFC141b

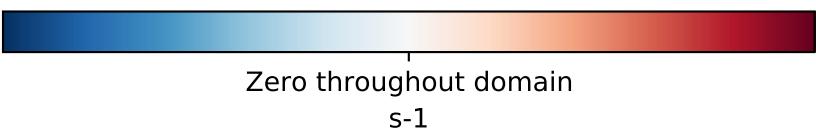
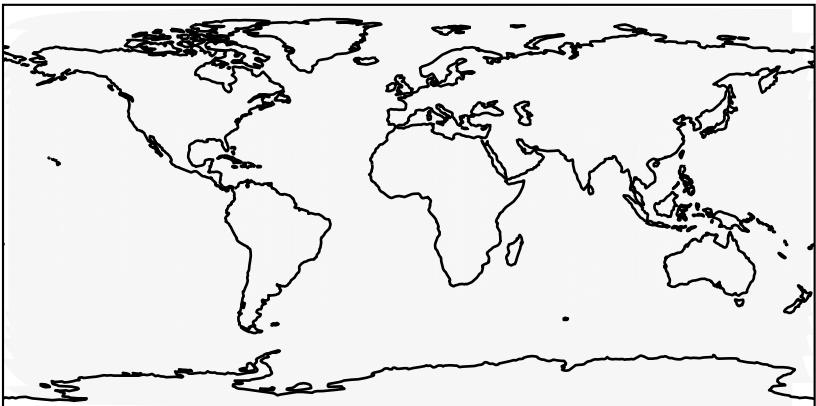
GCHP\_13.2.0-beta.0 (Ref)  
c48



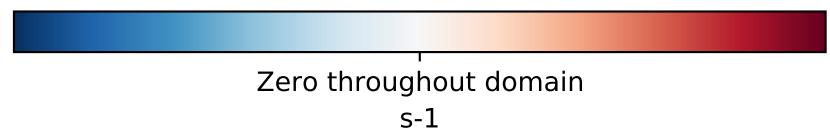
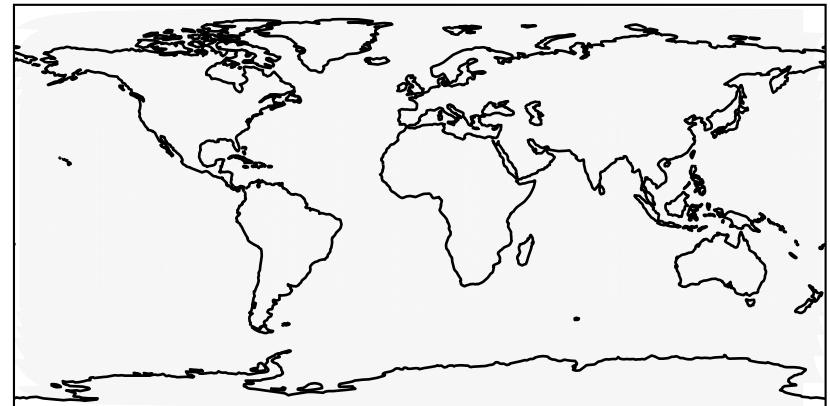
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



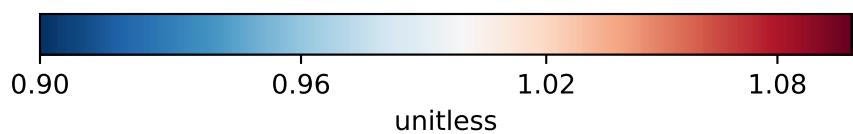
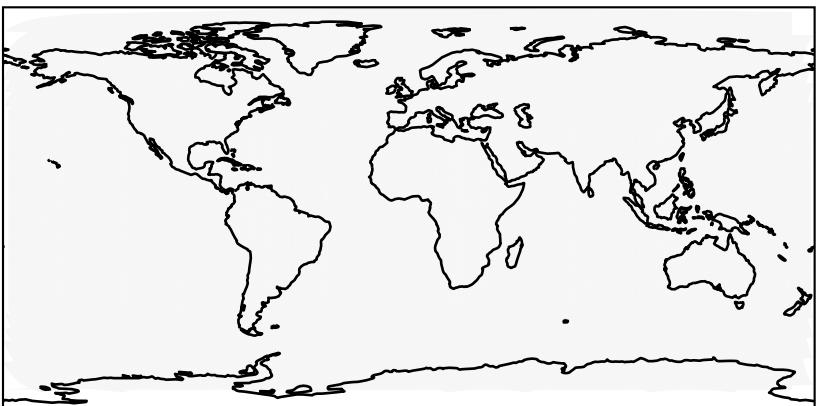
Difference  
Dev - Ref, Dynamic Range



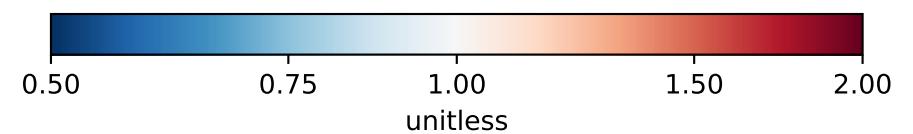
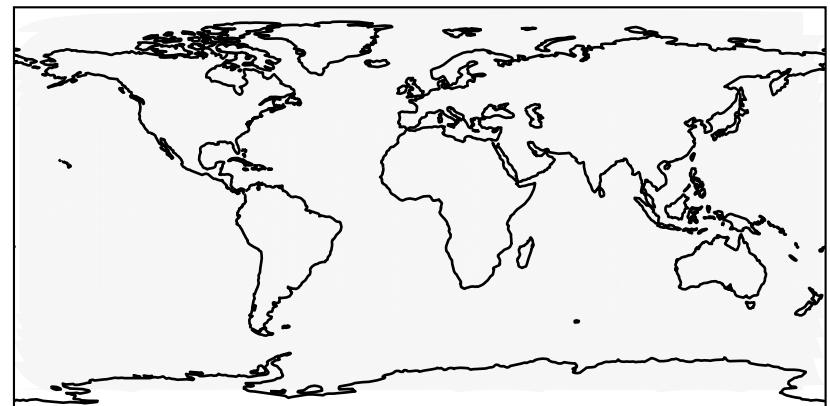
Difference  
Dev - Ref, Restricted Range [5%,95%]



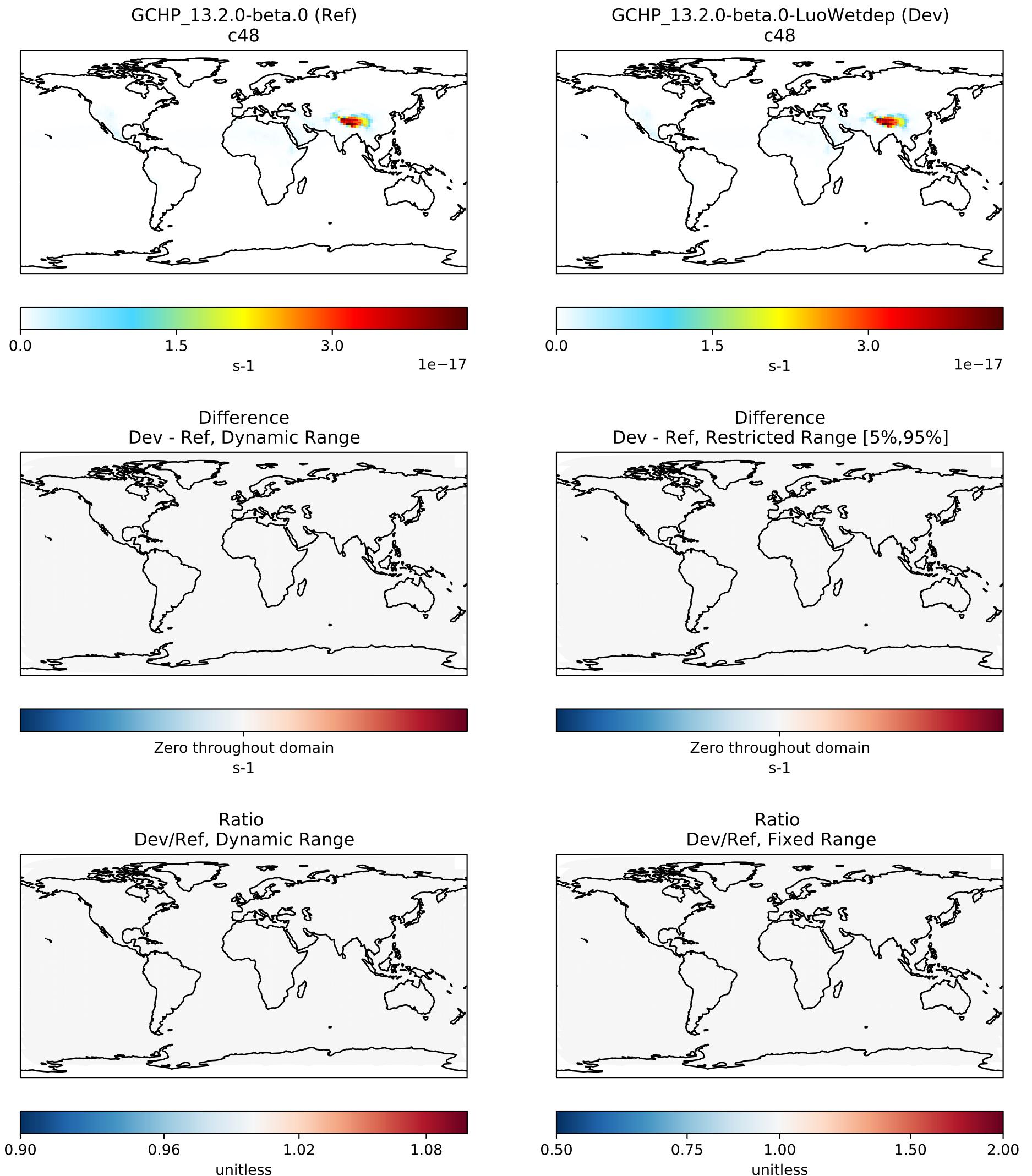
Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

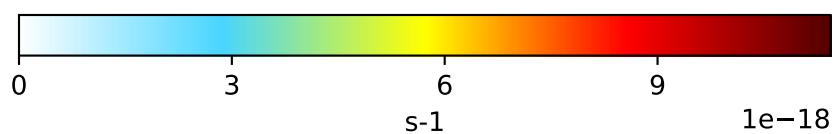
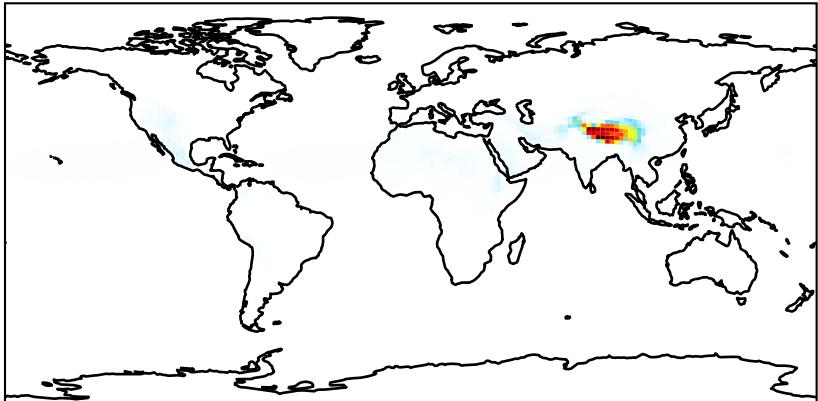


# Jval\_HCFC142b

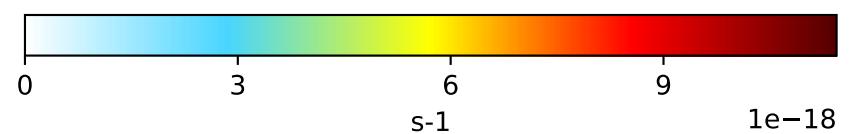
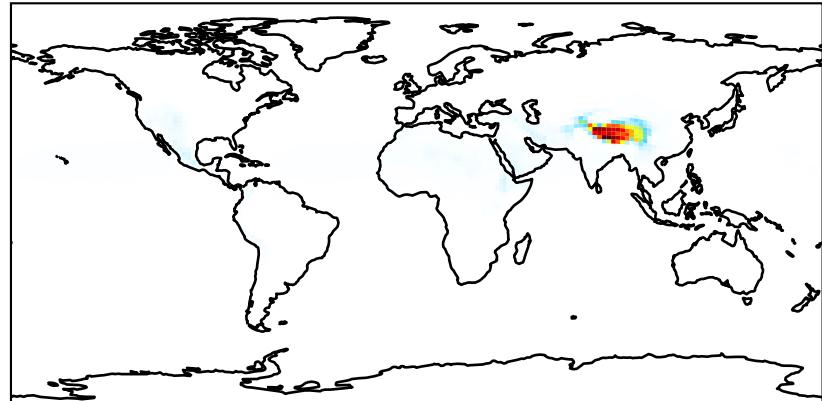


# Jval\_HCFC22

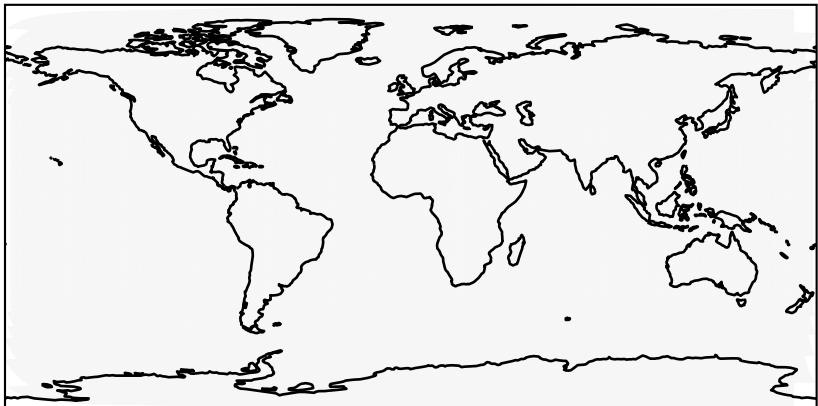
GCHP\_13.2.0-beta.0 (Ref)  
c48



GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48

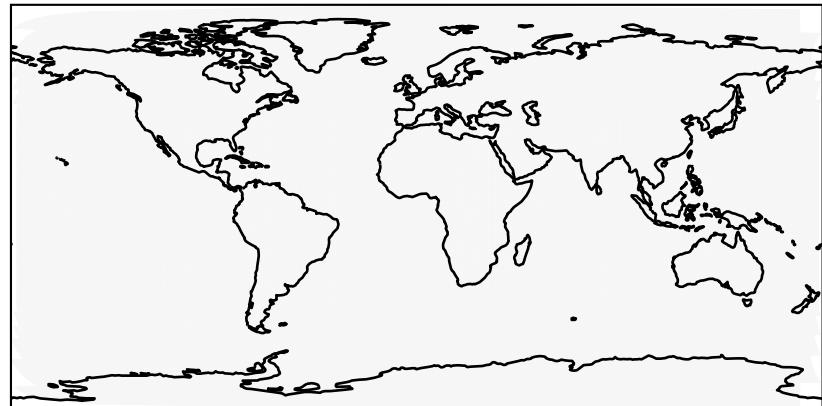


Difference  
Dev - Ref, Dynamic Range



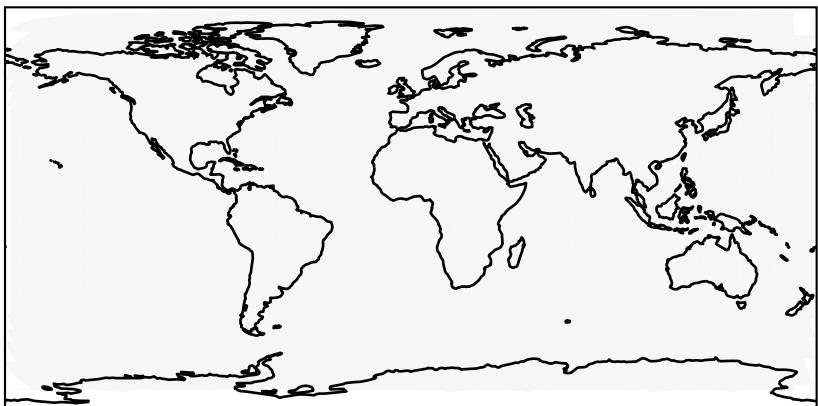
Zero throughout domain  
s-1

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



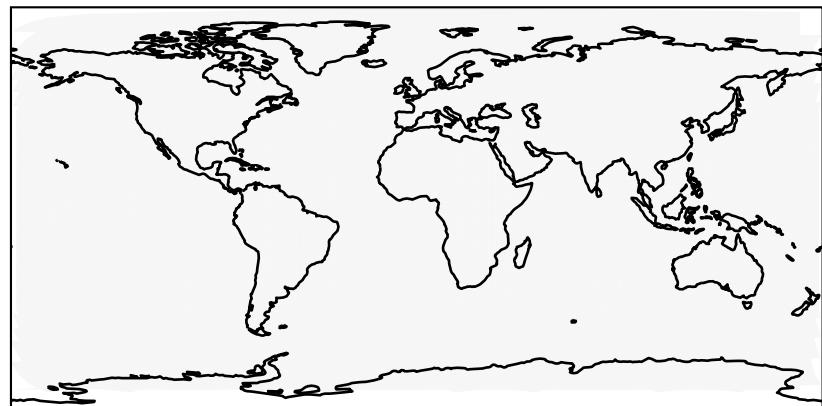
Zero throughout domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.90 0.96 1.02 1.08  
unitless

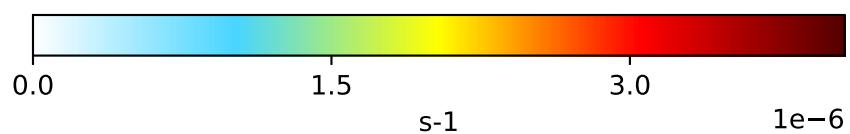
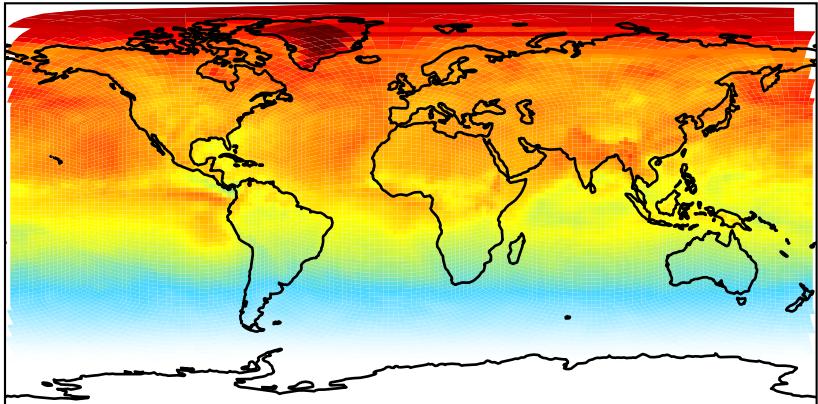
Ratio  
Dev/Ref, Fixed Range



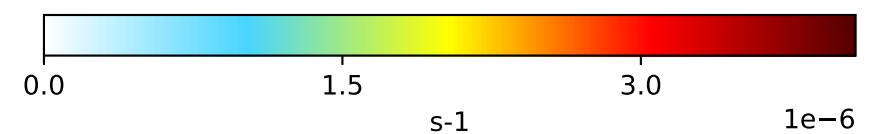
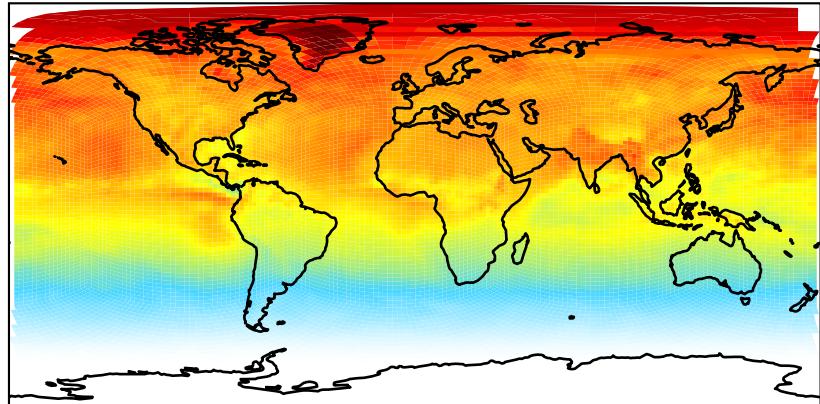
0.50 0.75 1.00 1.50 2.00  
unitless

# Jval\_HMHP

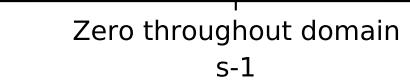
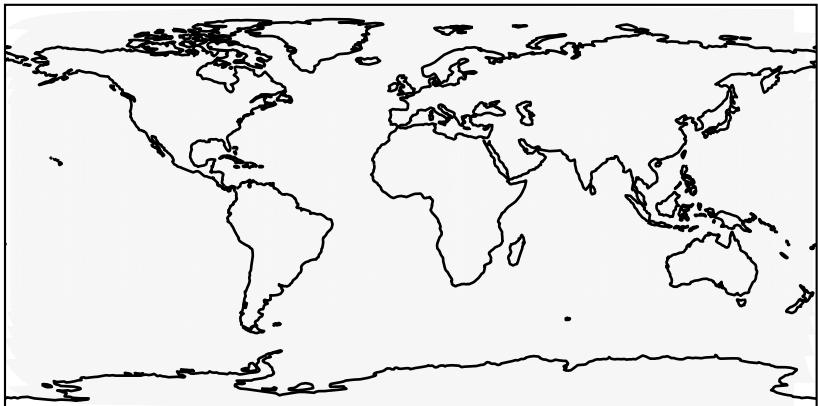
GCHP\_13.2.0-beta.0 (Ref)  
c48



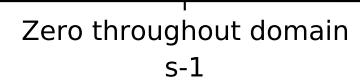
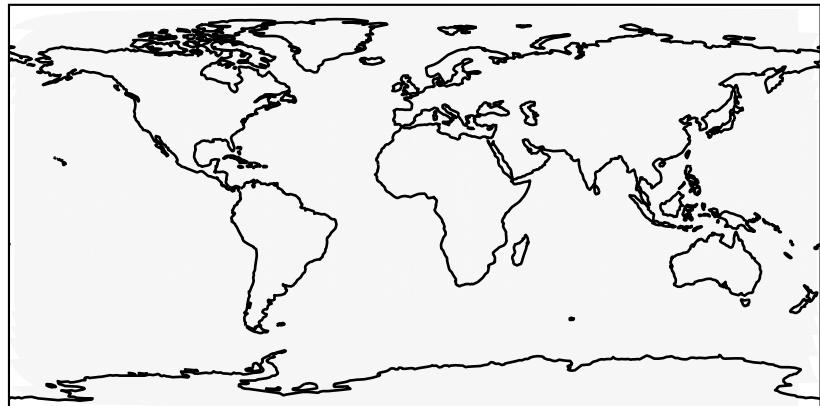
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



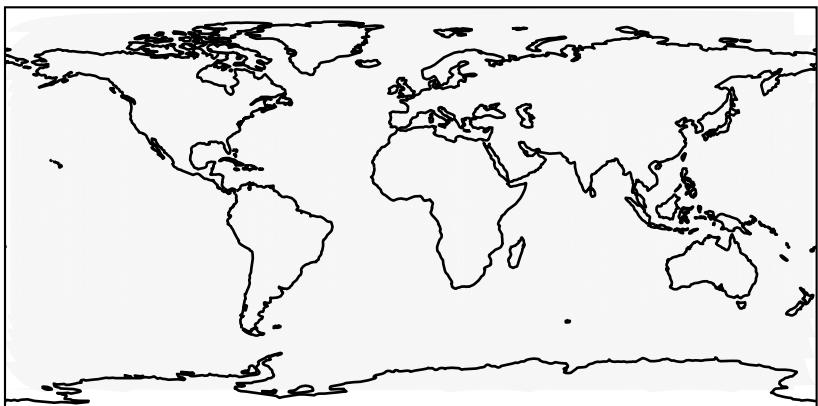
Difference  
Dev - Ref, Dynamic Range



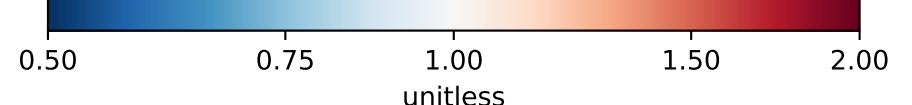
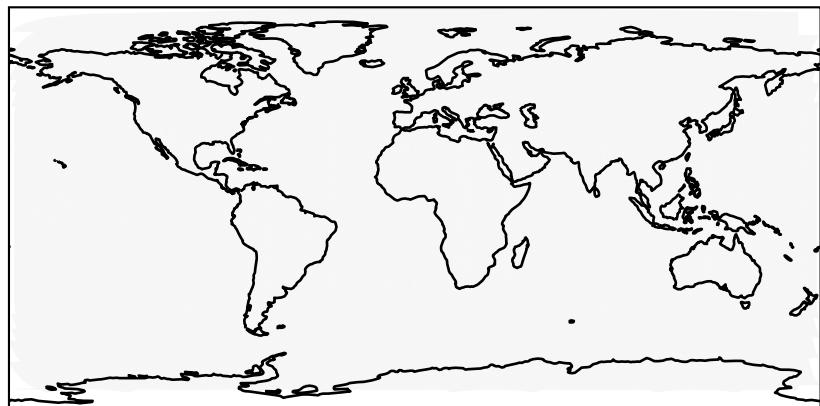
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

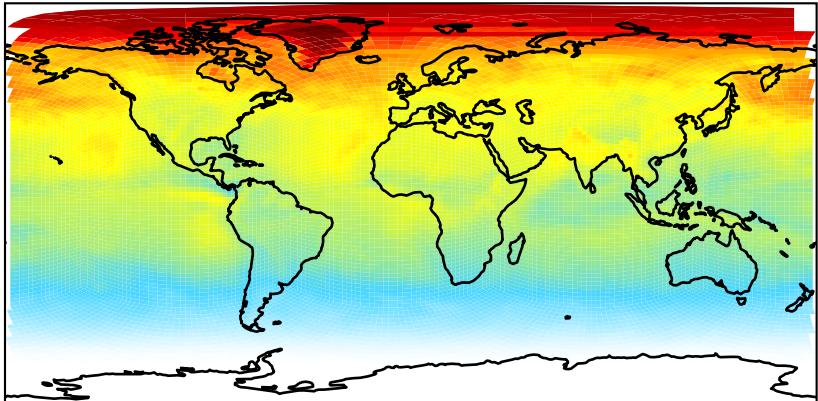


Ratio  
Dev/Ref, Fixed Range

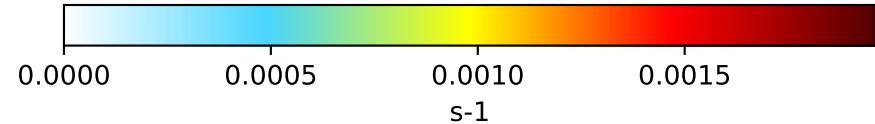
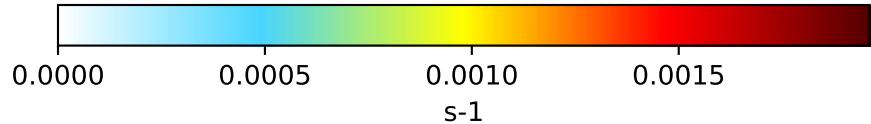
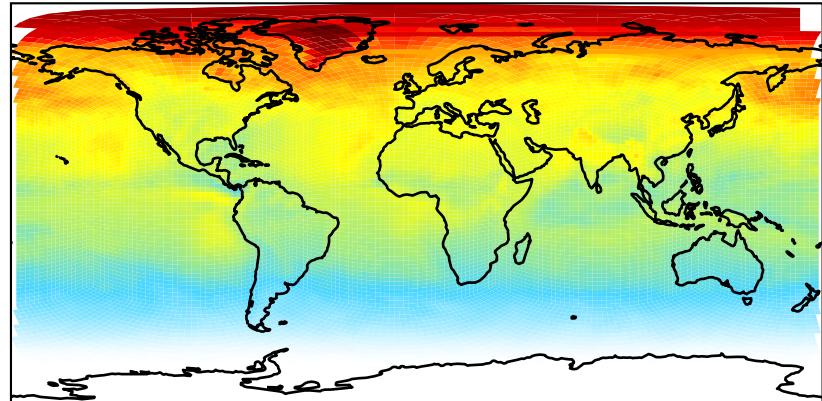


# Jval\_HNO2

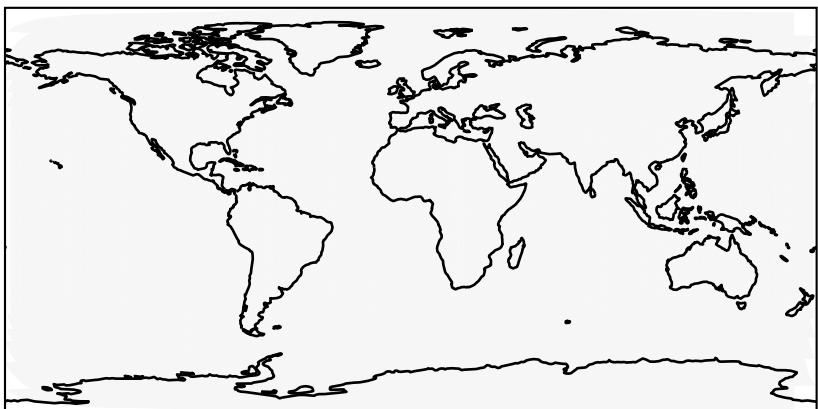
GCHP\_13.2.0-beta.0 (Ref)  
c48



GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48

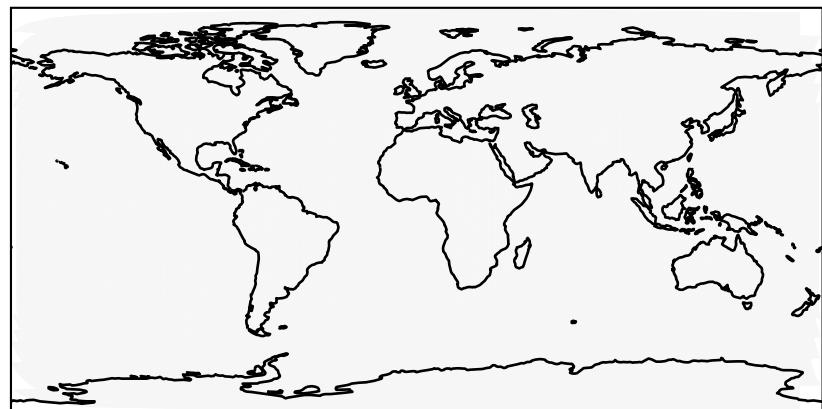


Difference  
Dev - Ref, Dynamic Range



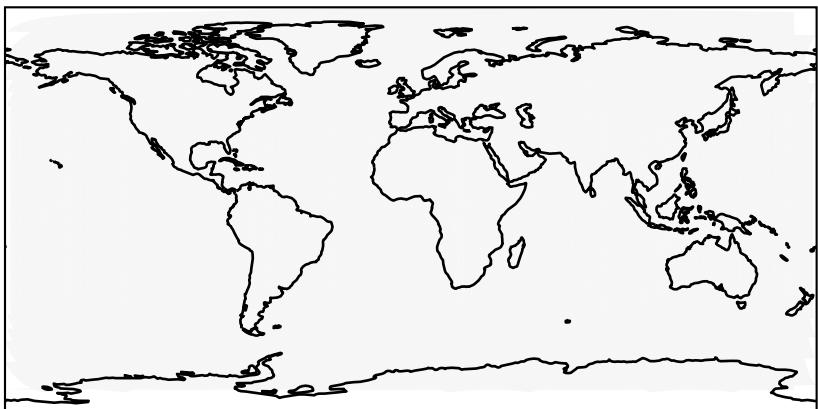
Zero throughout domain  
 $\text{s}^{-1}$

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



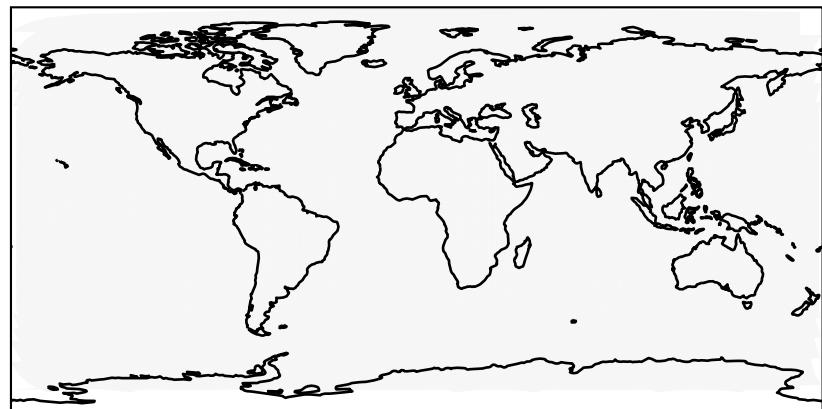
Zero throughout domain  
 $\text{s}^{-1}$

Ratio  
Dev/Ref, Dynamic Range



0.90      0.96      1.02      1.08  
unitless

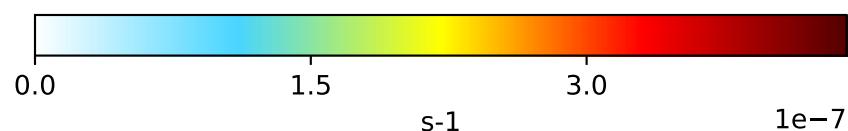
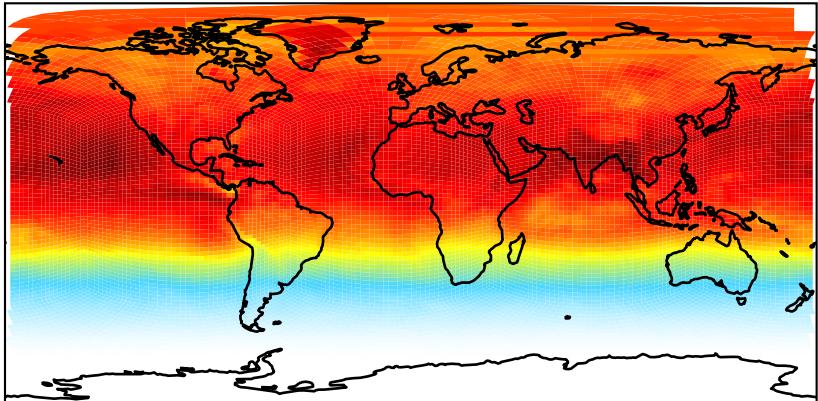
Ratio  
Dev/Ref, Fixed Range



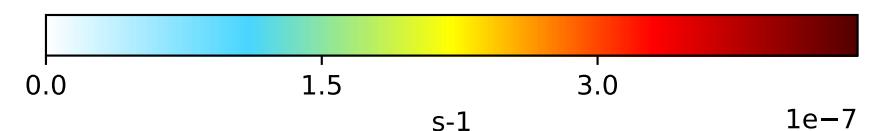
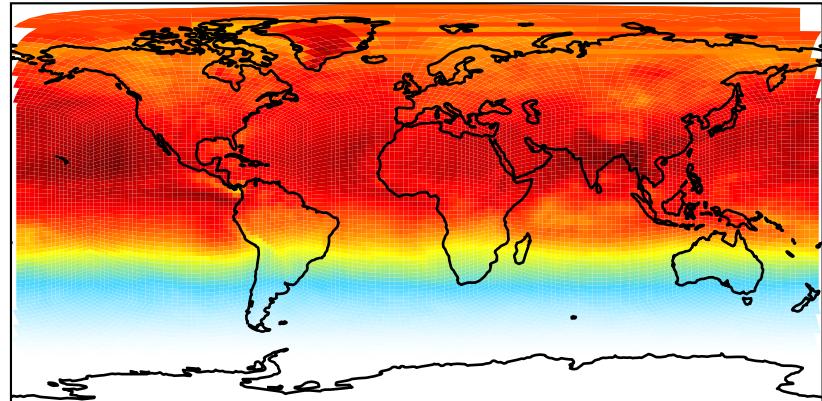
0.50      0.75      1.00      1.50      2.00  
unitless

# Jval\_HNO3

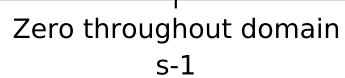
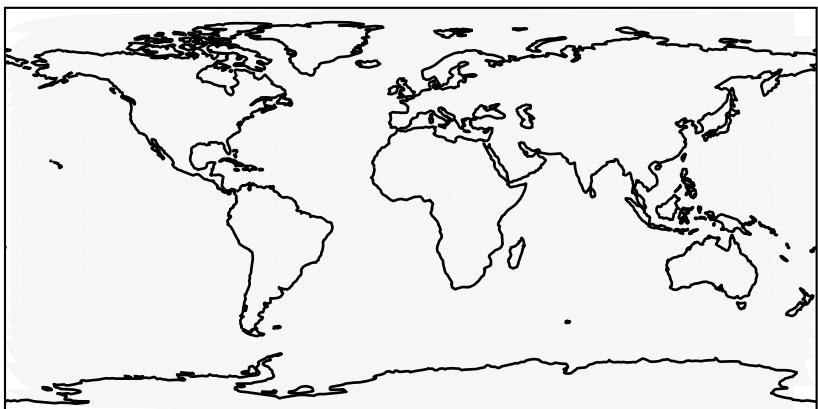
GCHP\_13.2.0-beta.0 (Ref)  
c48



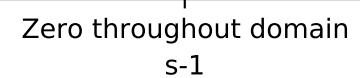
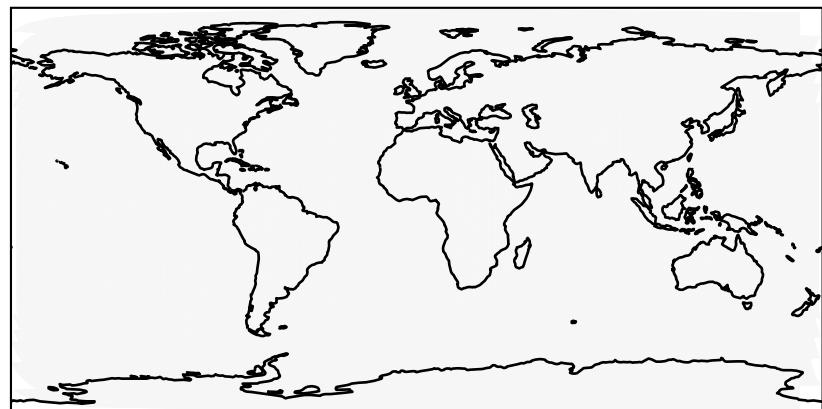
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



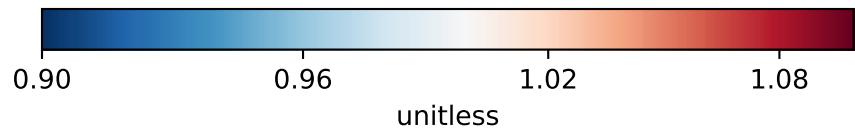
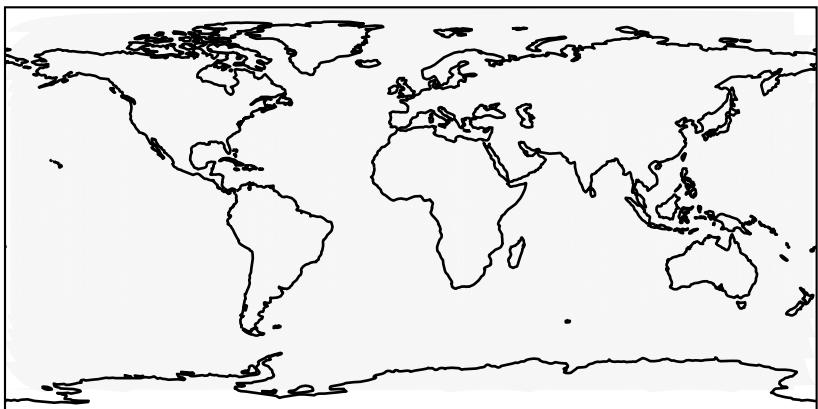
Difference  
Dev - Ref, Dynamic Range



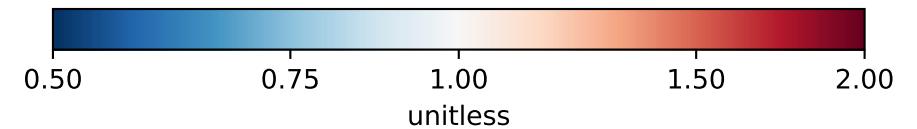
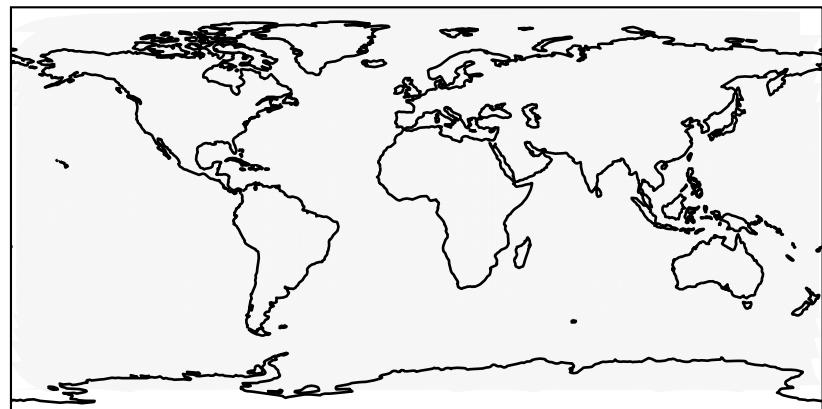
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

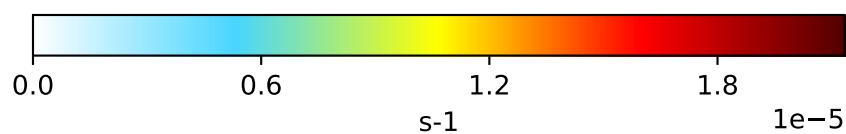
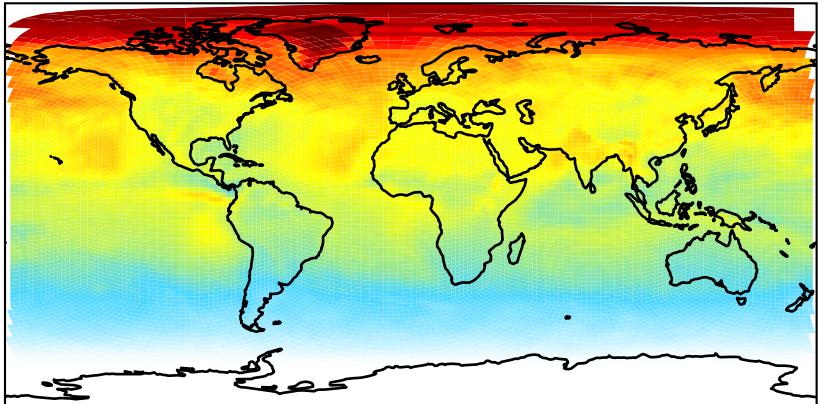


Ratio  
Dev/Ref, Fixed Range

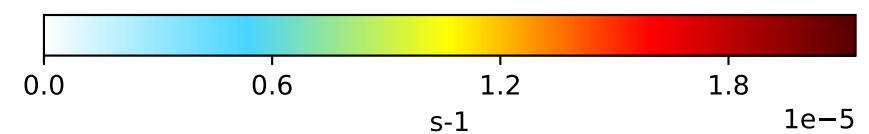
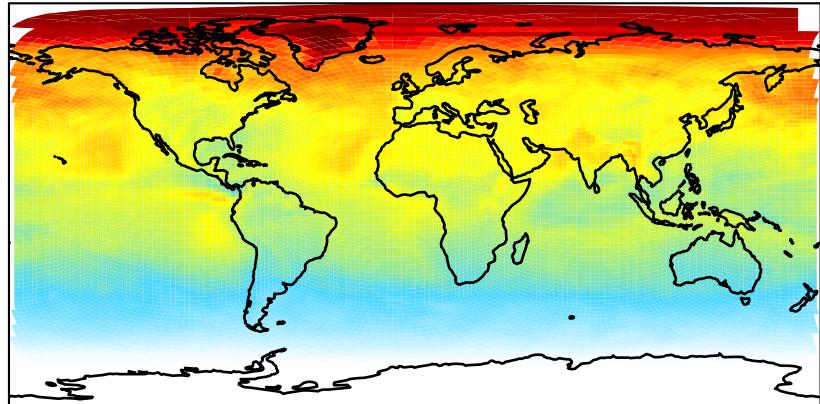


# Jval\_HNO4

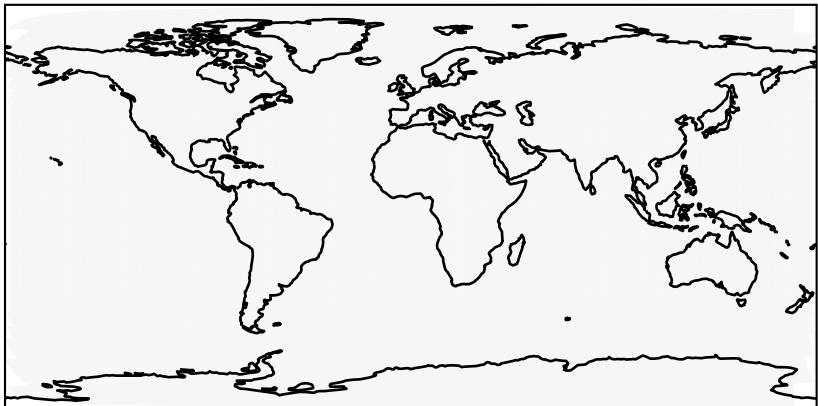
GCHP\_13.2.0-beta.0 (Ref)  
c48



GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48

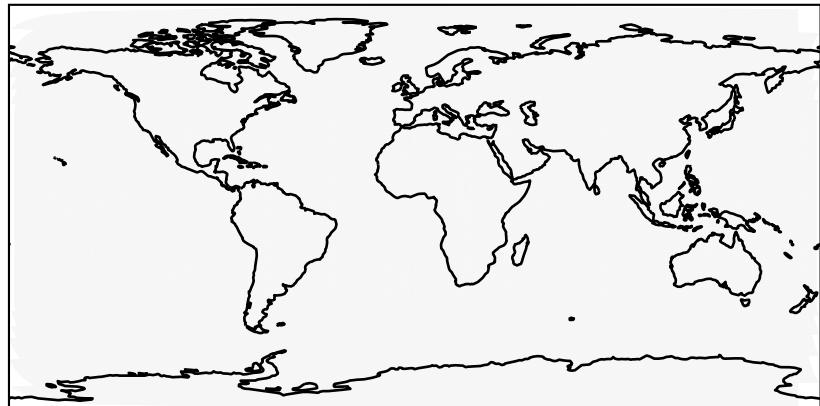


Difference  
Dev - Ref, Dynamic Range



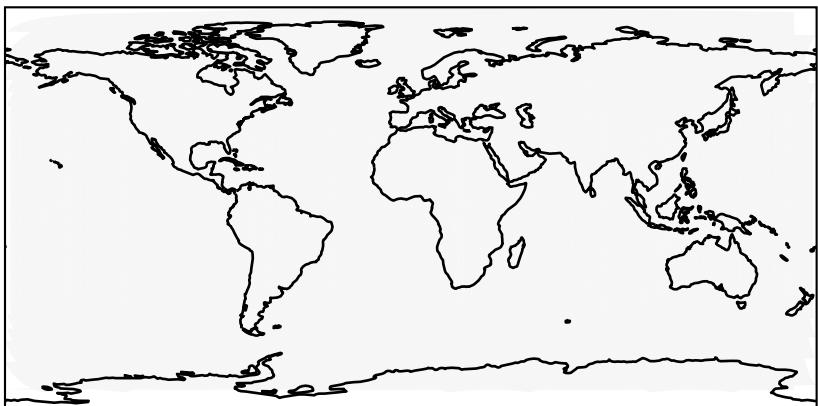
Zero throughout domain  
 $s^{-1}$

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



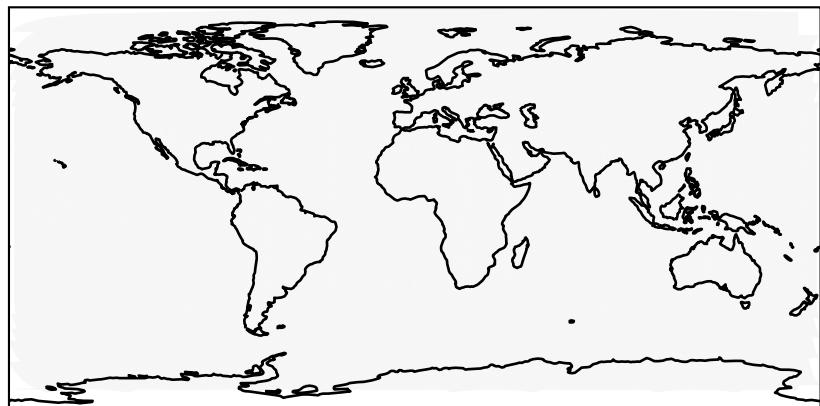
Zero throughout domain  
 $s^{-1}$

Ratio  
Dev/Ref, Dynamic Range



0.90    0.96    1.02    1.08  
unitless

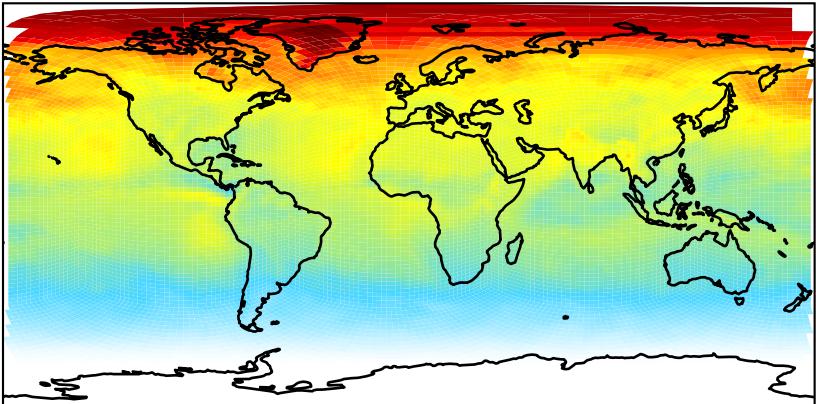
Ratio  
Dev/Ref, Fixed Range



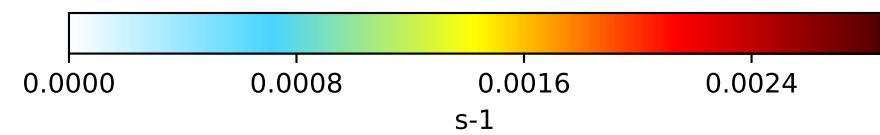
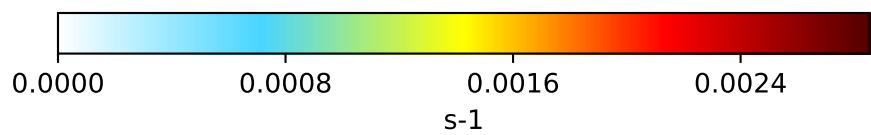
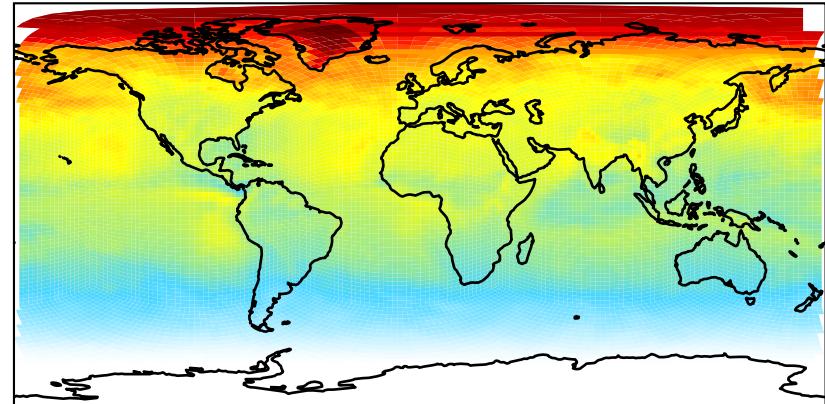
0.50    0.75    1.00    1.50    2.00  
unitless

# Jval\_HOBr

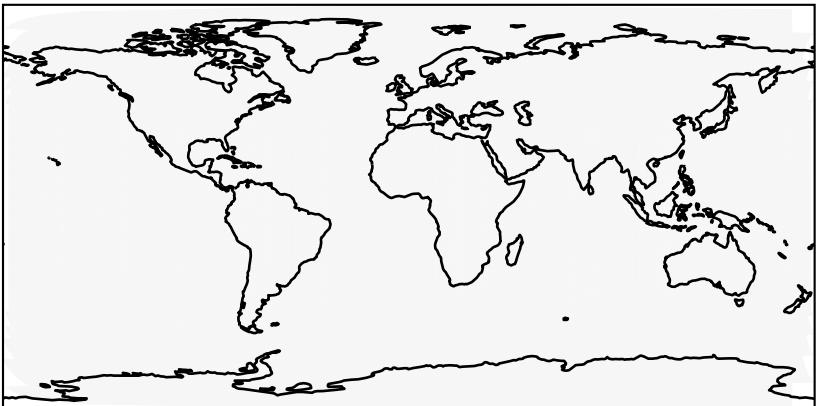
GCHP\_13.2.0-beta.0 (Ref)  
c48



GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48

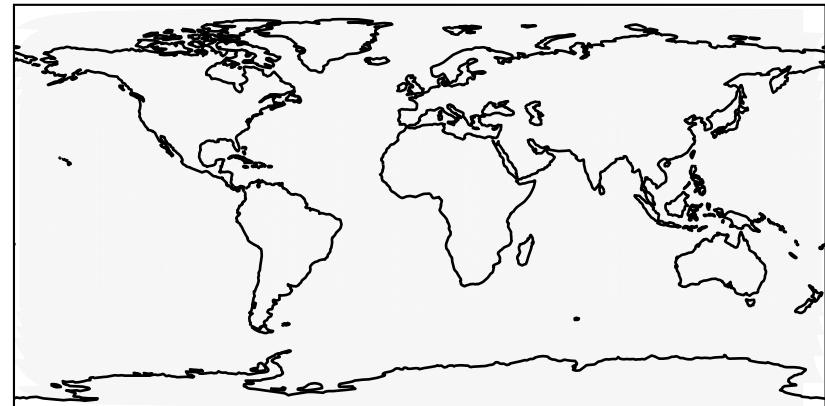


Difference  
Dev - Ref, Dynamic Range



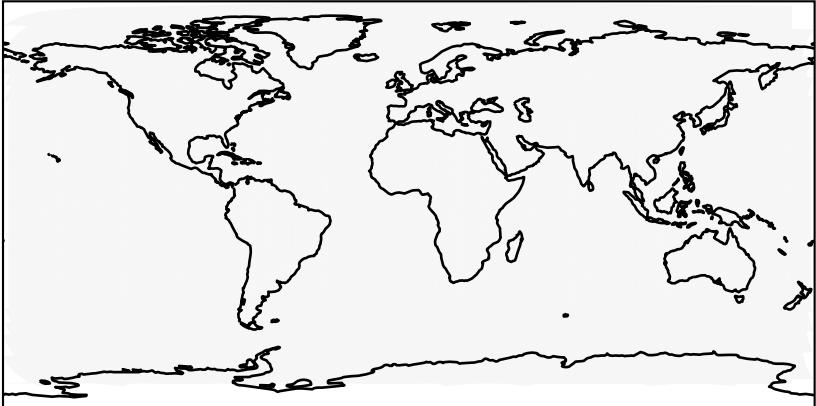
Zero throughout domain  
s-1

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



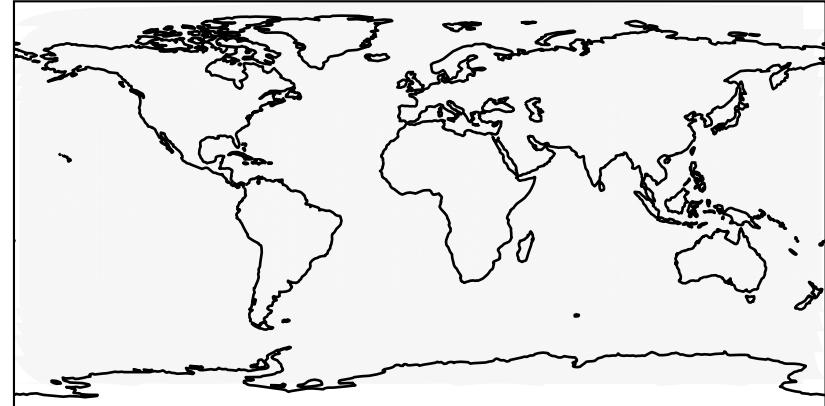
Zero throughout domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.90      0.96      1.02      1.08  
unitless

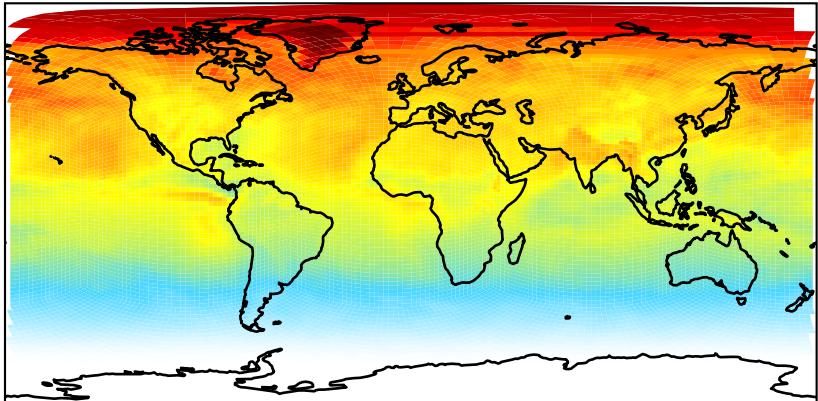
Ratio  
Dev/Ref, Fixed Range



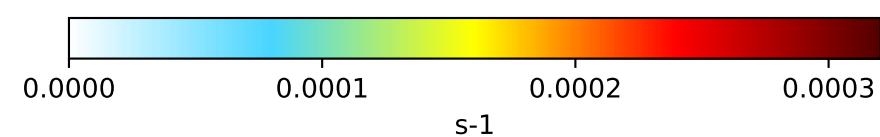
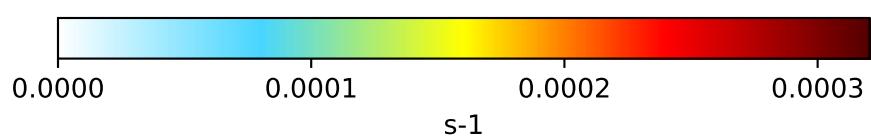
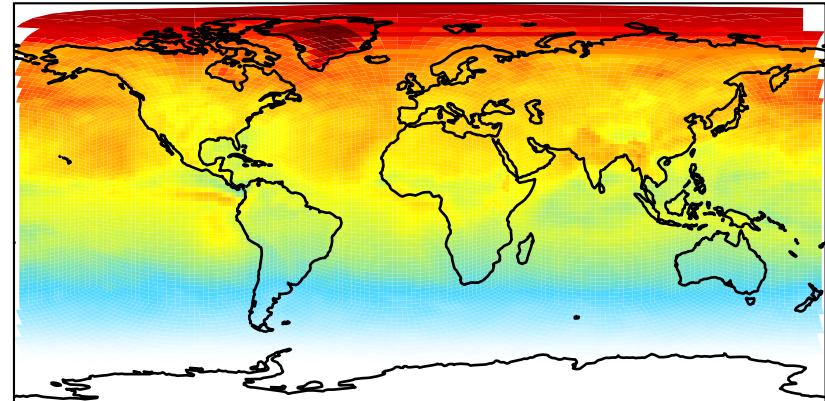
0.50      0.75      1.00      1.50      2.00  
unitless

# Jval\_HOCl

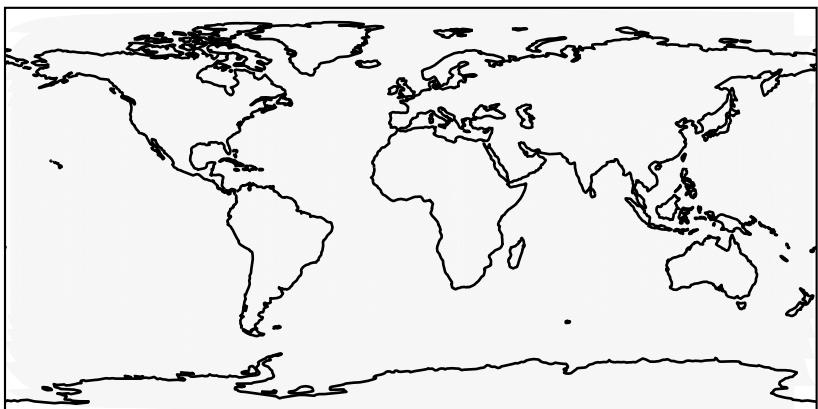
GCHP\_13.2.0-beta.0 (Ref)  
c48



GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48

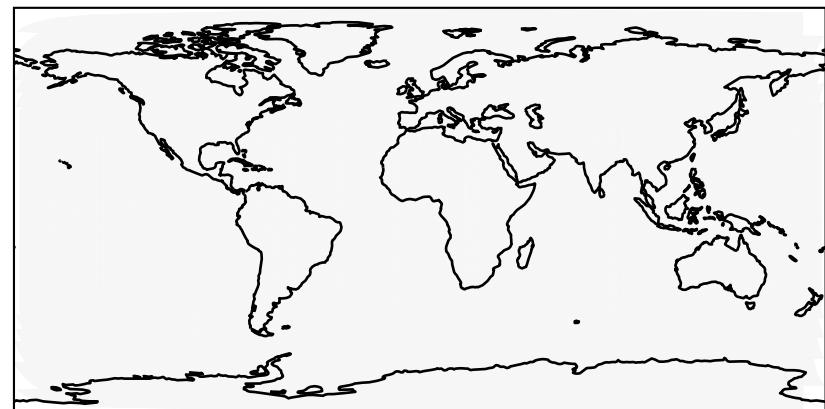


Difference  
Dev - Ref, Dynamic Range



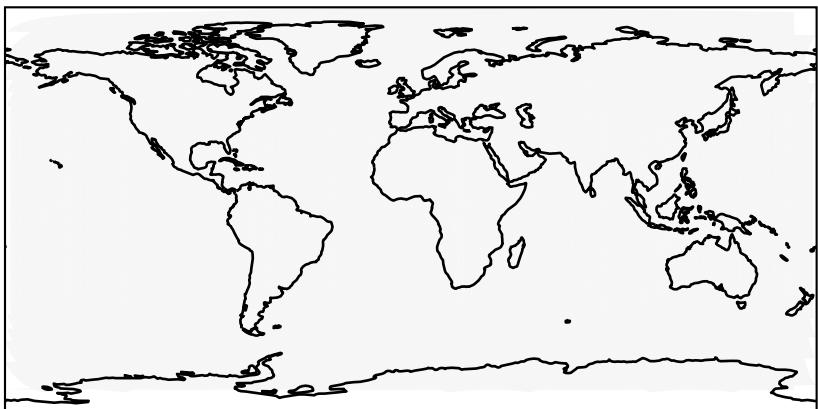
Zero throughout domain  
s-1

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



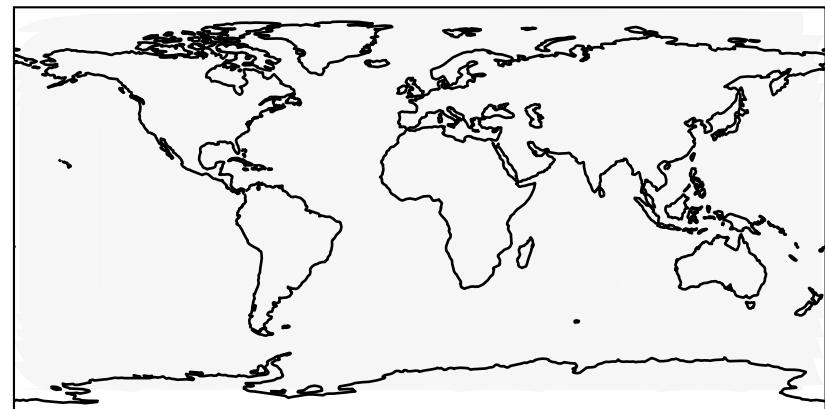
Zero throughout domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.90      0.96      1.02      1.08  
unitless

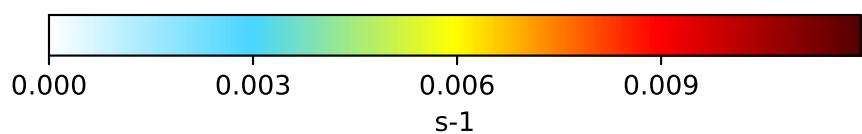
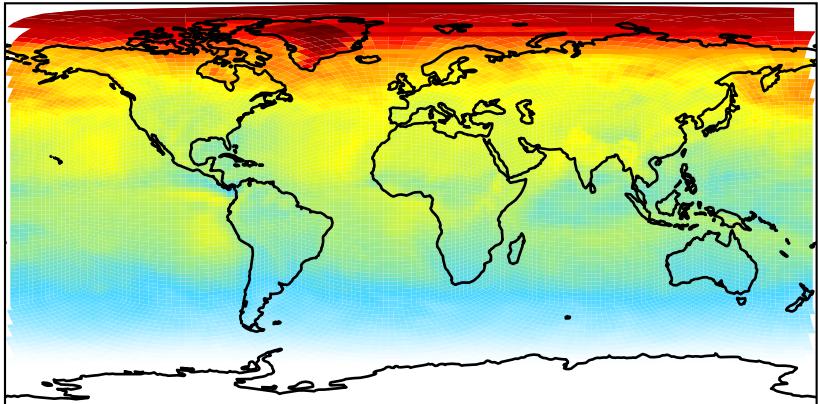
Ratio  
Dev/Ref, Fixed Range



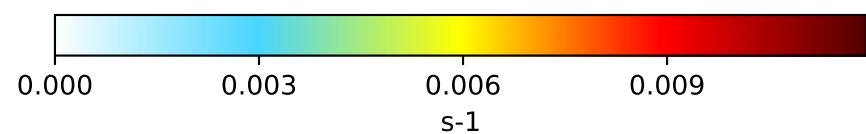
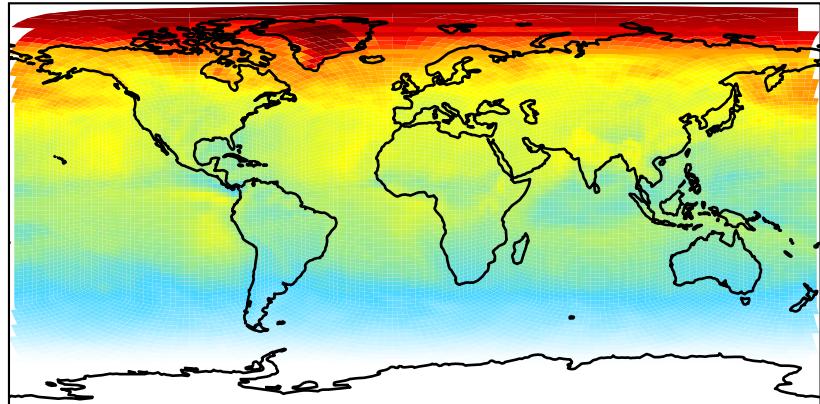
0.50      0.75      1.00      1.50      2.00  
unitless

# Jval\_HOI

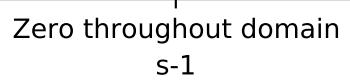
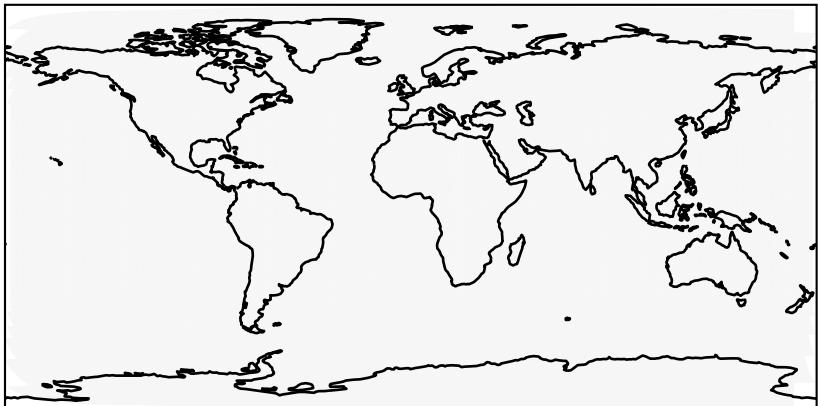
GCHP\_13.2.0-beta.0 (Ref)  
c48



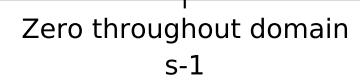
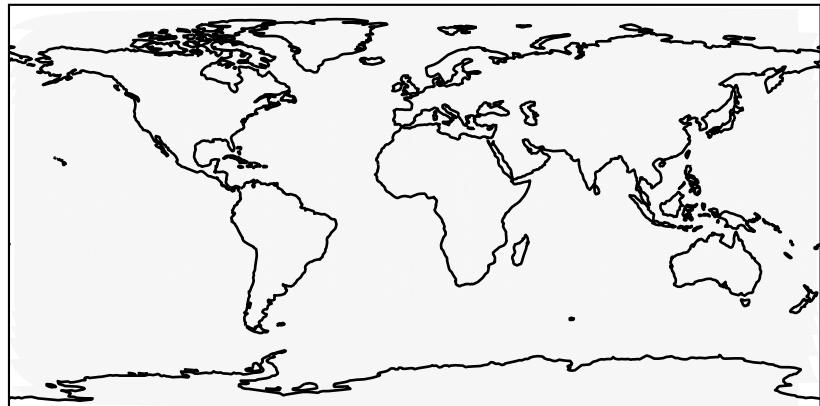
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



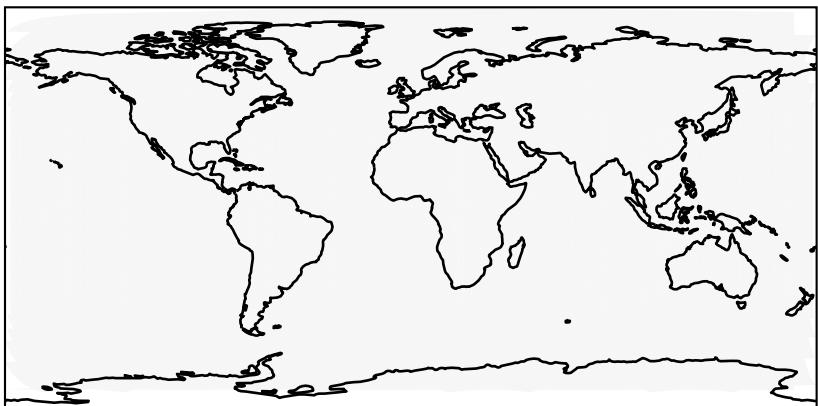
Difference  
Dev - Ref, Dynamic Range



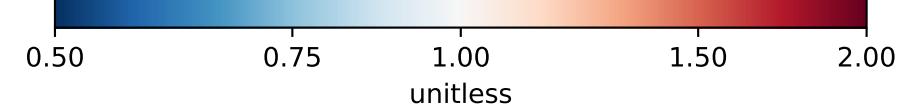
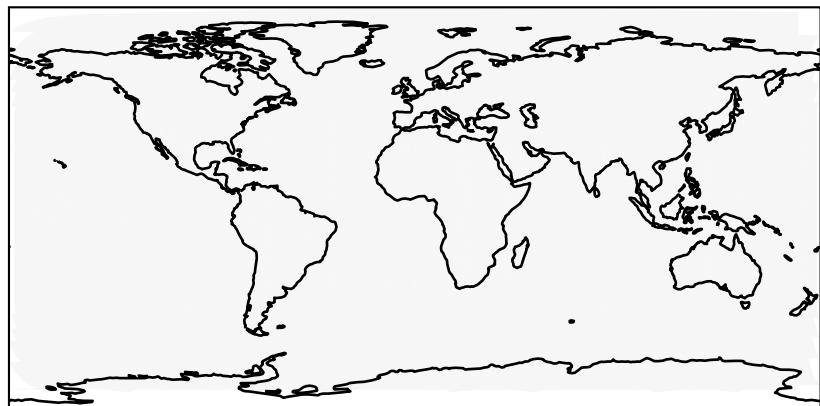
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

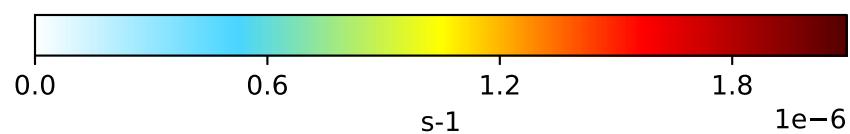
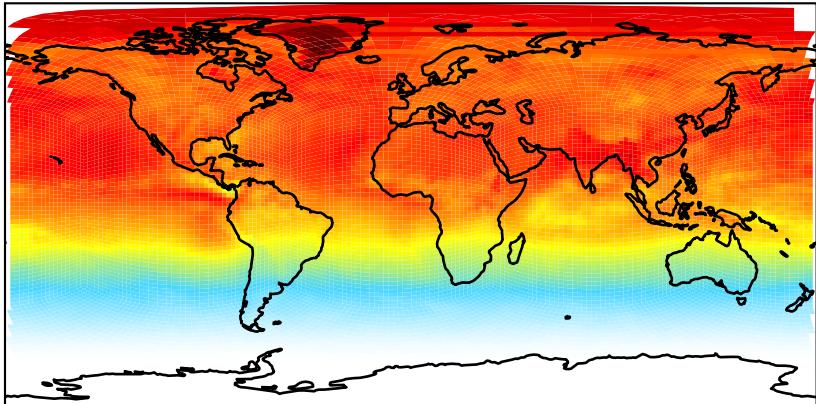


Ratio  
Dev/Ref, Fixed Range

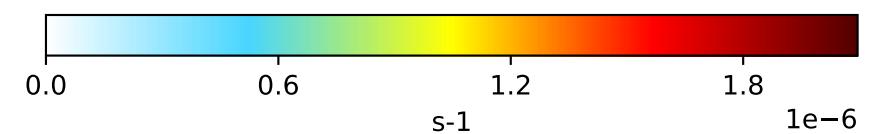
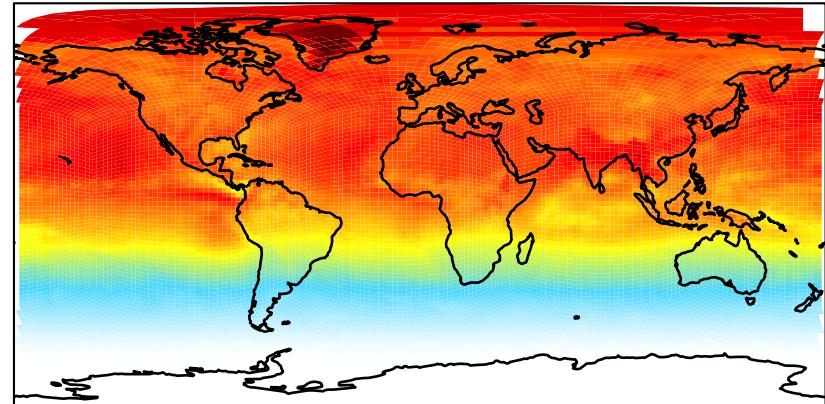


# Jval\_HONIT

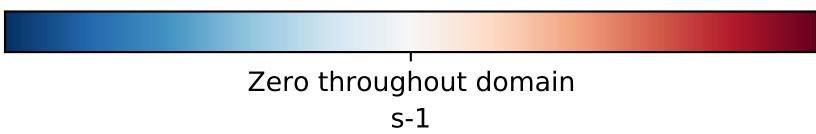
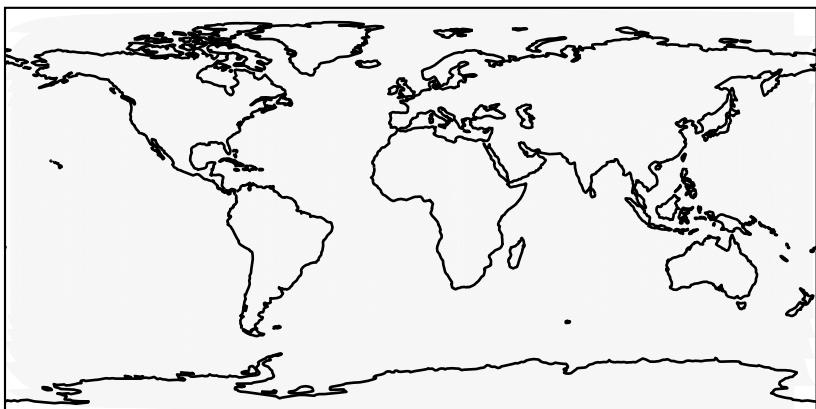
GCHP\_13.2.0-beta.0 (Ref)  
c48



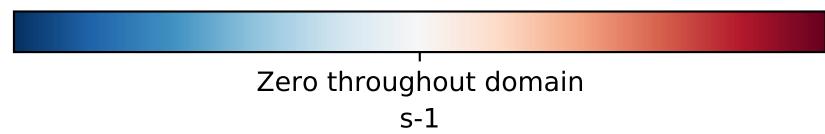
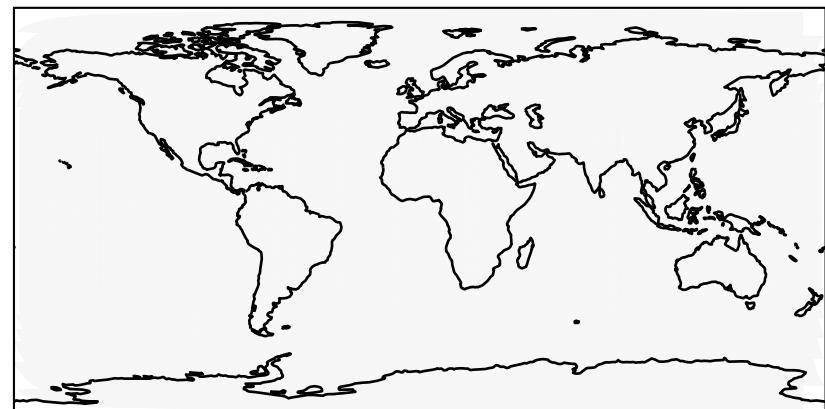
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



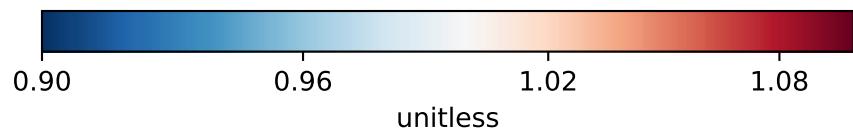
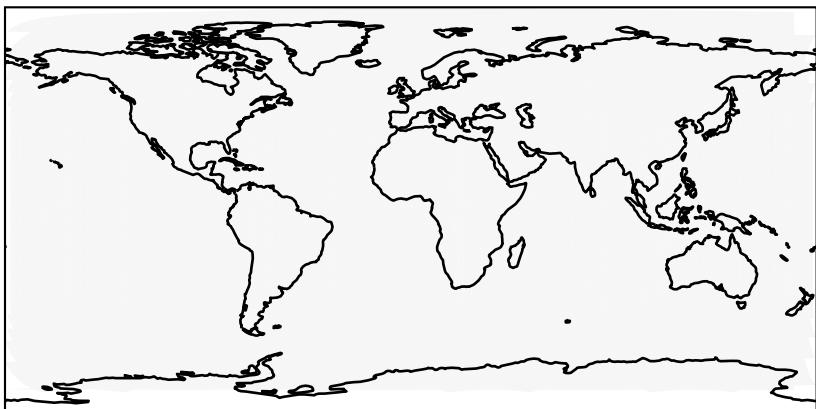
Difference  
Dev - Ref, Dynamic Range



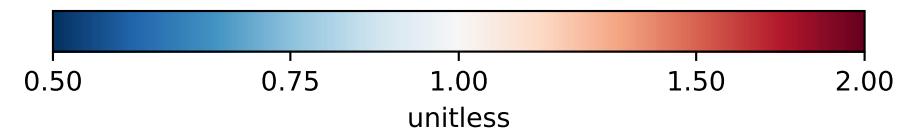
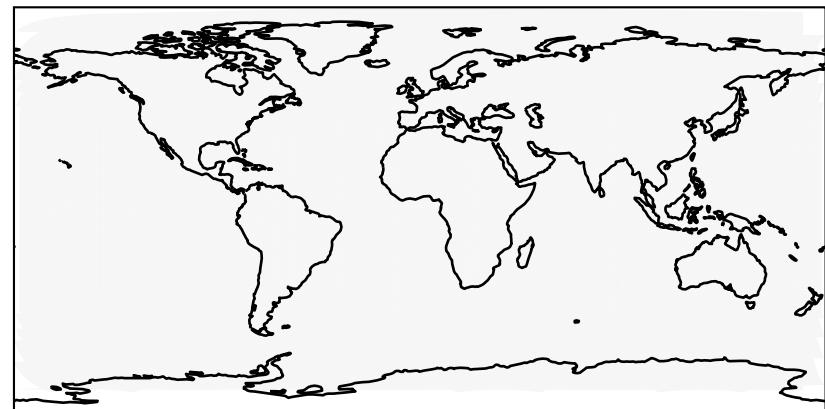
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

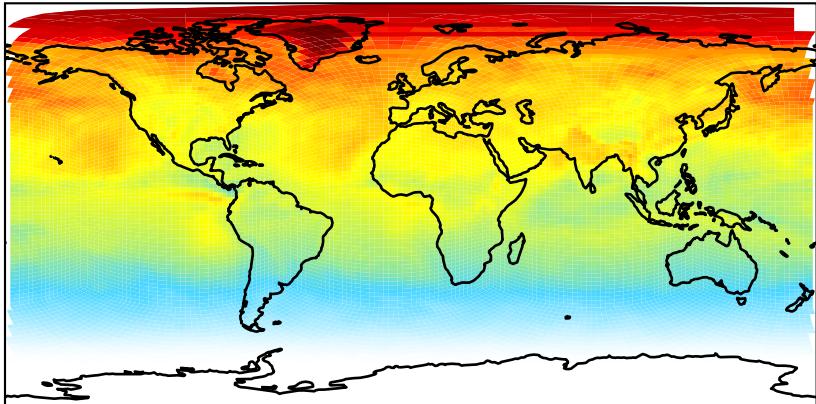


Ratio  
Dev/Ref, Fixed Range

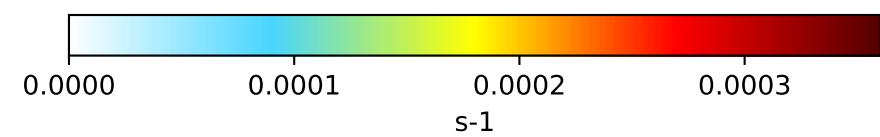
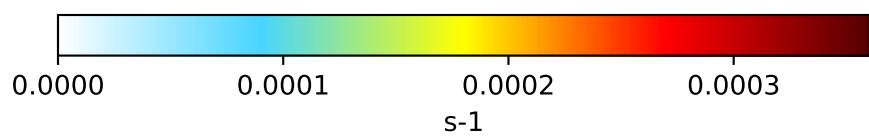
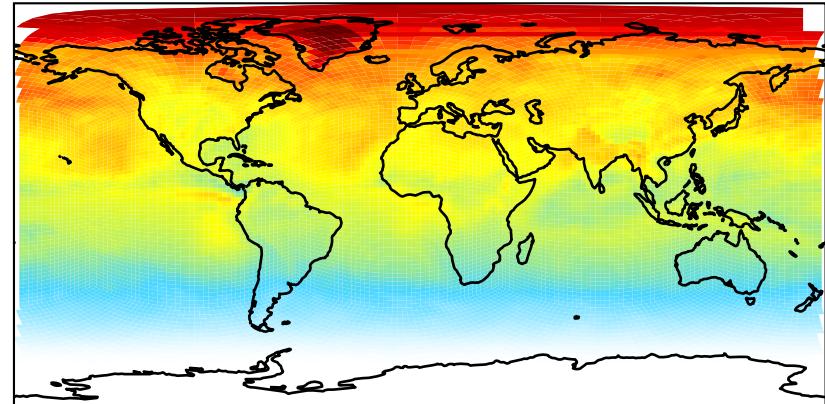


# Jval\_HPALD1

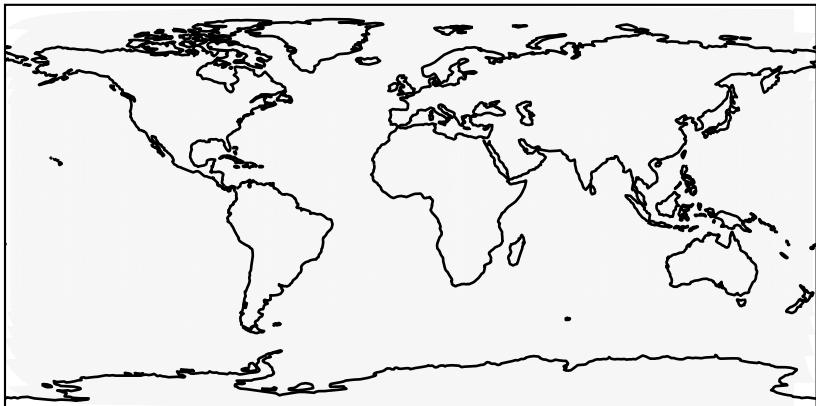
GCHP\_13.2.0-beta.0 (Ref)  
c48



GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48

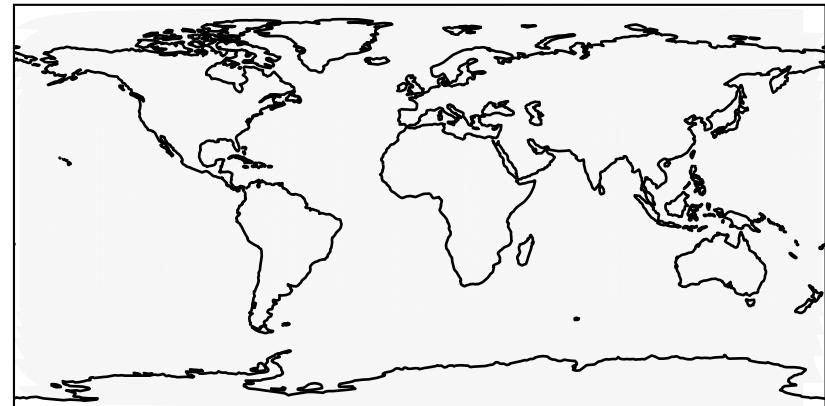


Difference  
Dev - Ref, Dynamic Range



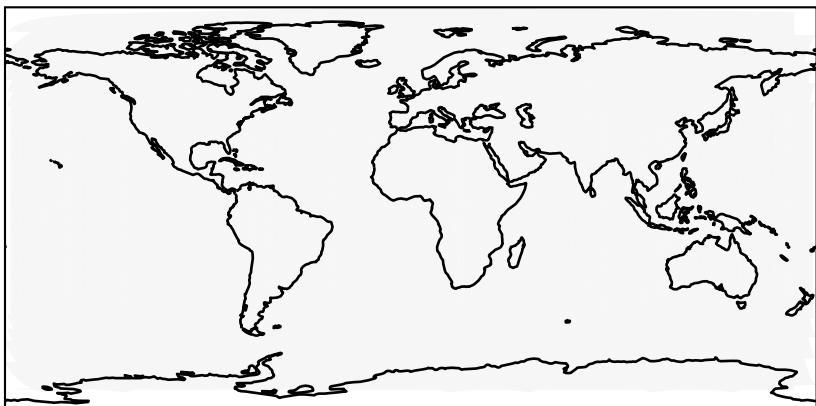
Zero throughout domain  
s<sup>-1</sup>

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



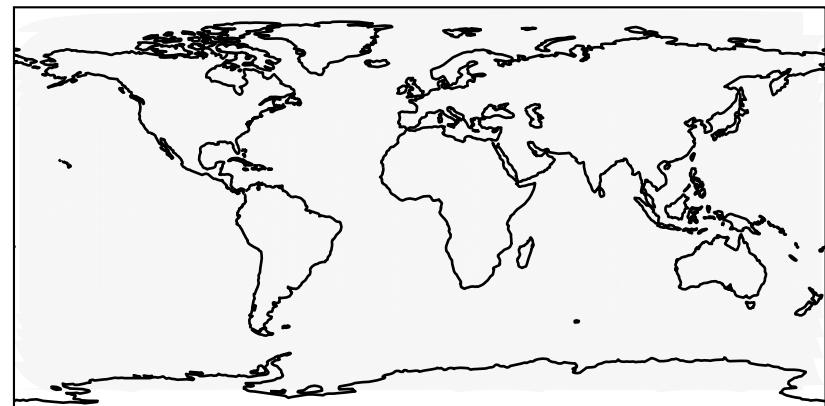
Zero throughout domain  
s<sup>-1</sup>

Ratio  
Dev/Ref, Dynamic Range



0.90      0.96      1.02      1.08  
unitless

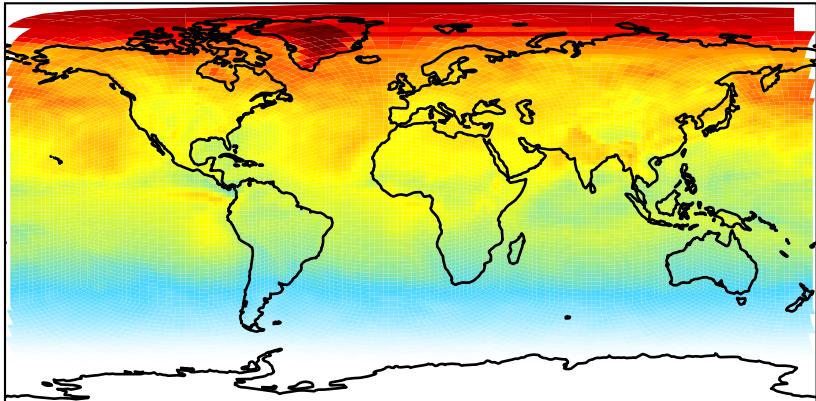
Ratio  
Dev/Ref, Fixed Range



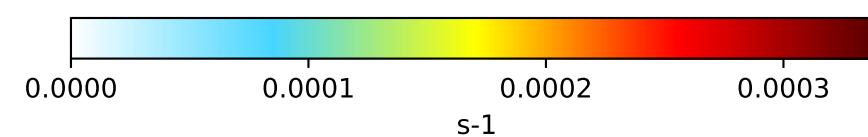
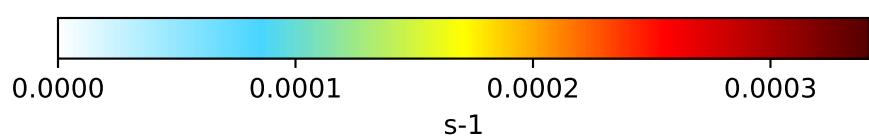
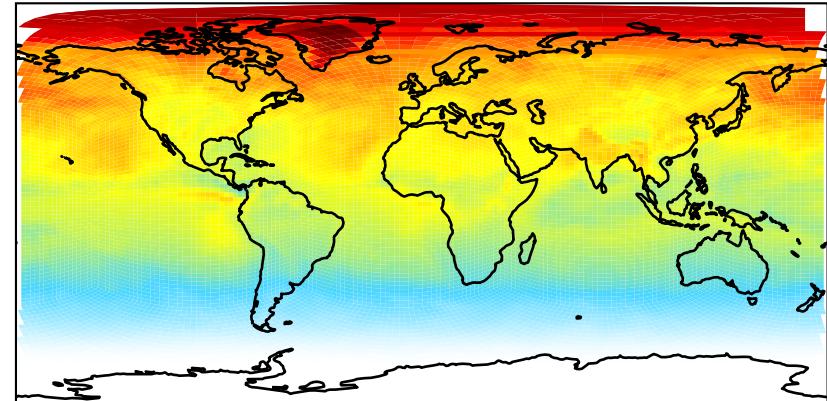
0.50      0.75      1.00      1.50      2.00  
unitless

# Jval\_HPALD2

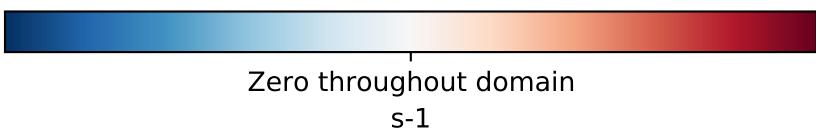
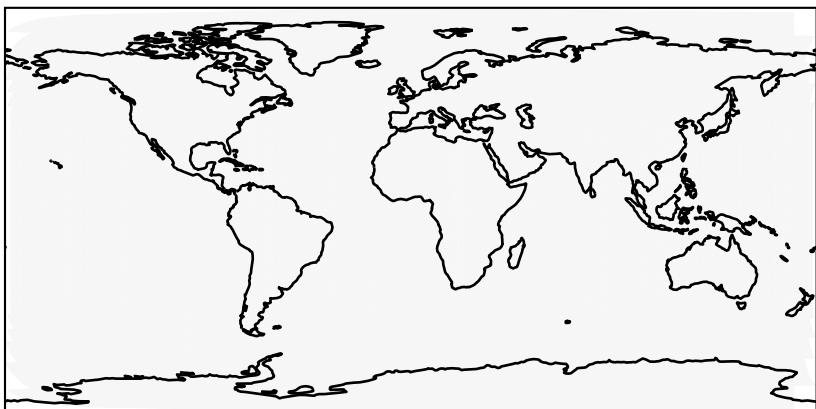
GCHP\_13.2.0-beta.0 (Ref)  
c48



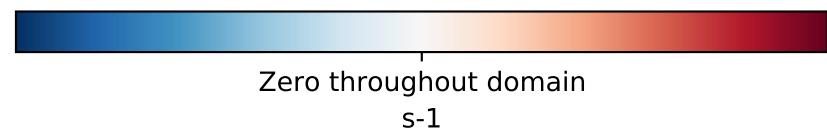
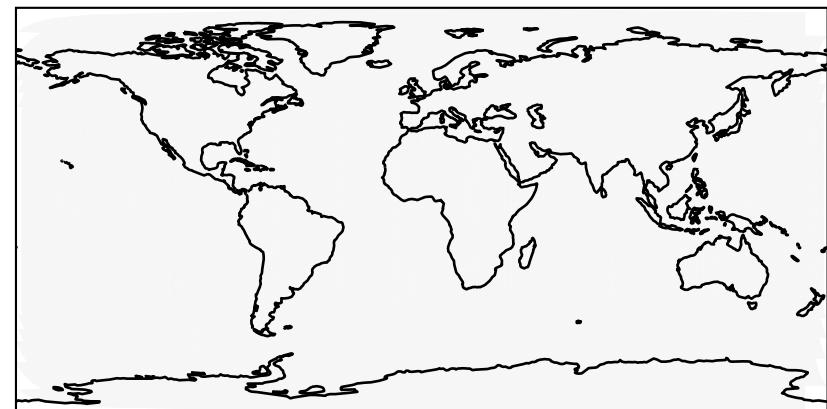
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



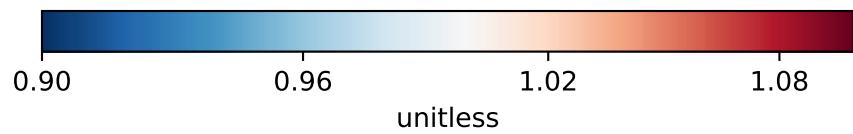
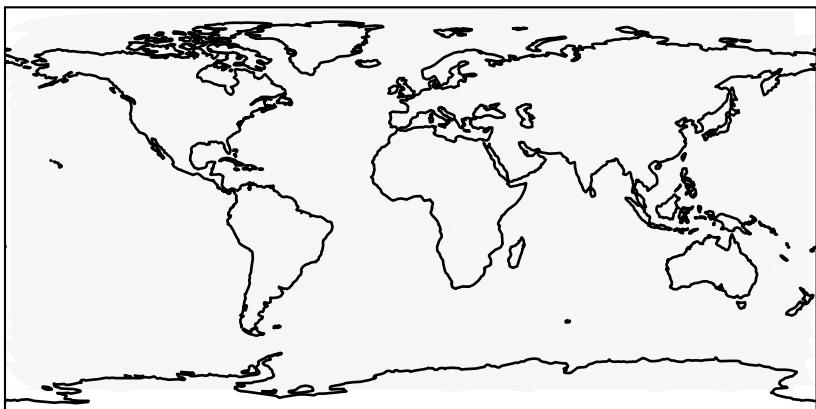
Difference  
Dev - Ref, Dynamic Range



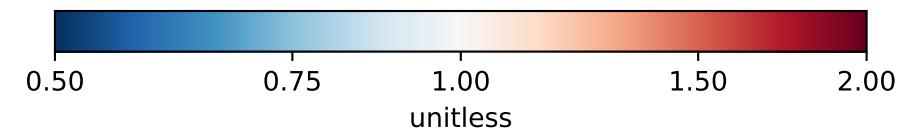
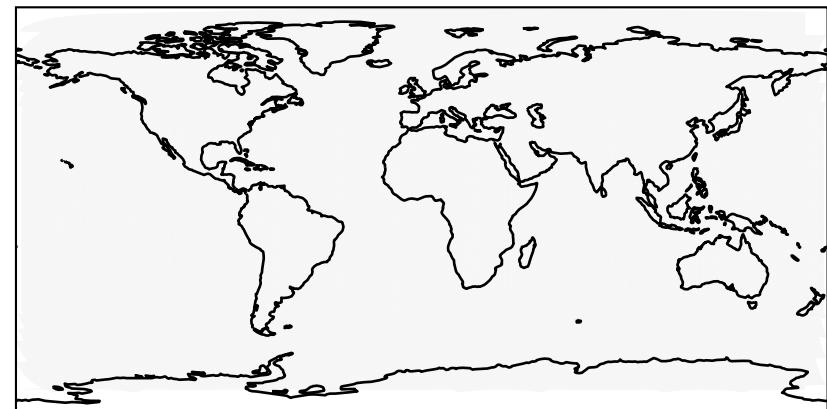
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

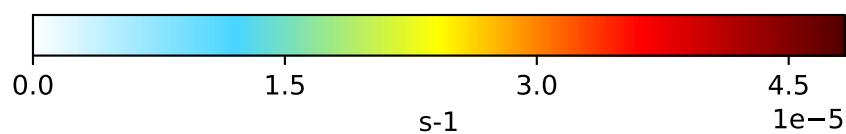
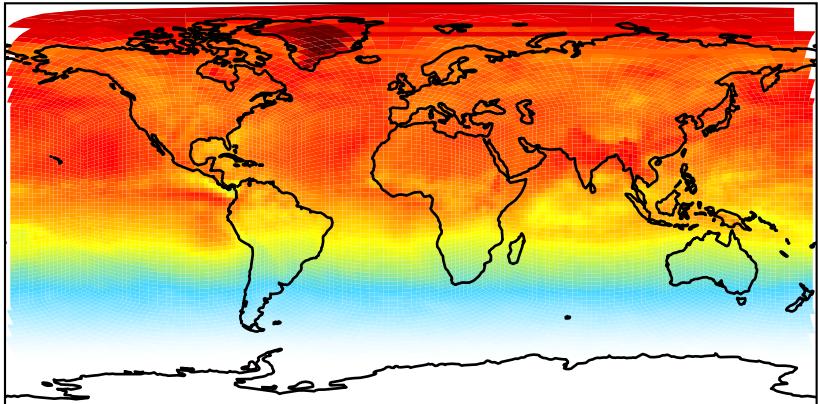


Ratio  
Dev/Ref, Fixed Range

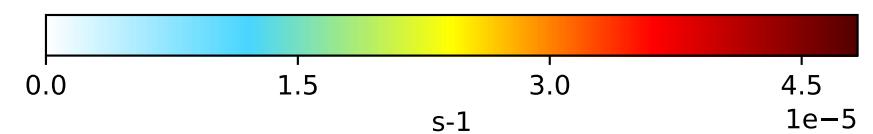
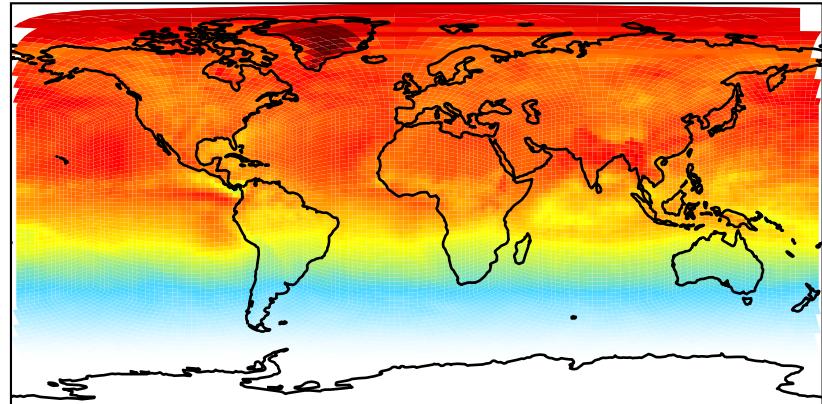


# Jval\_HPALD3

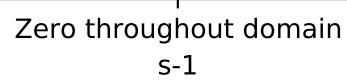
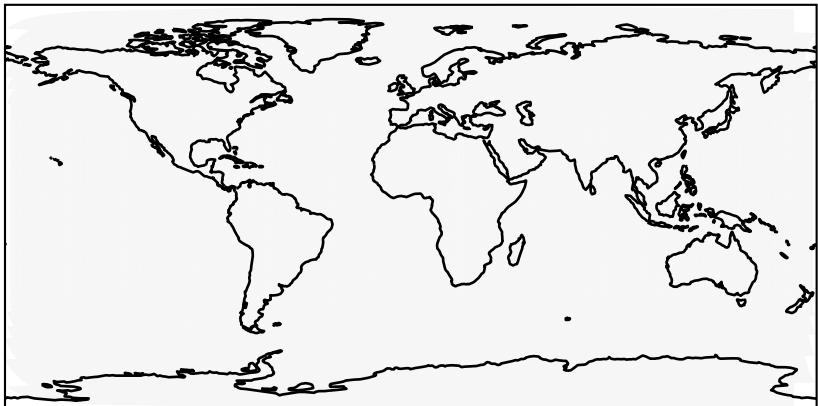
GCHP\_13.2.0-beta.0 (Ref)  
c48



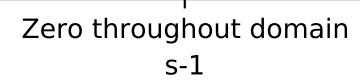
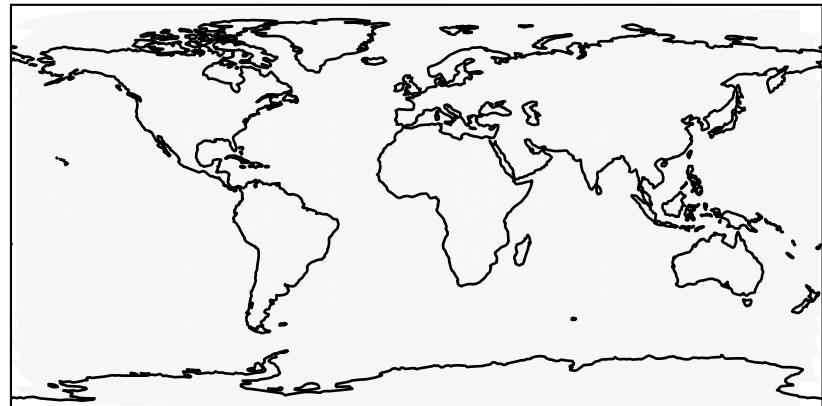
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



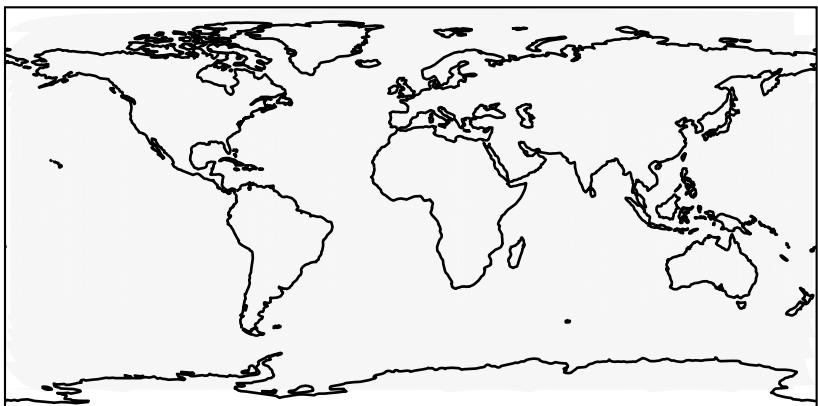
Difference  
Dev - Ref, Dynamic Range



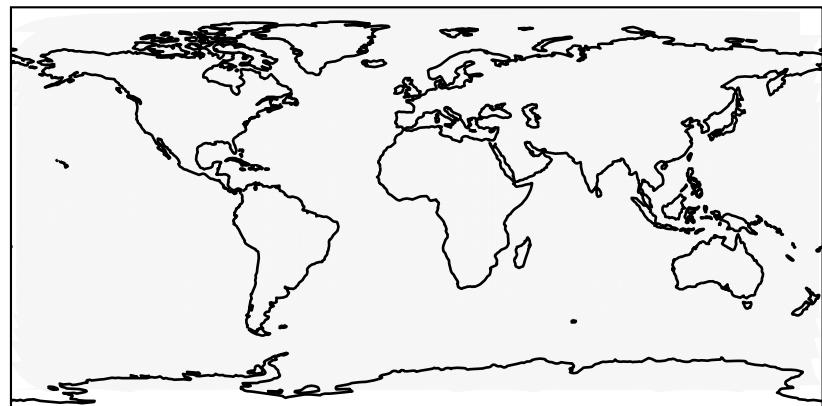
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

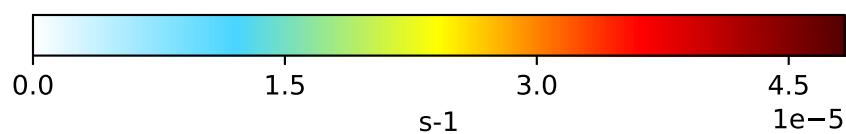
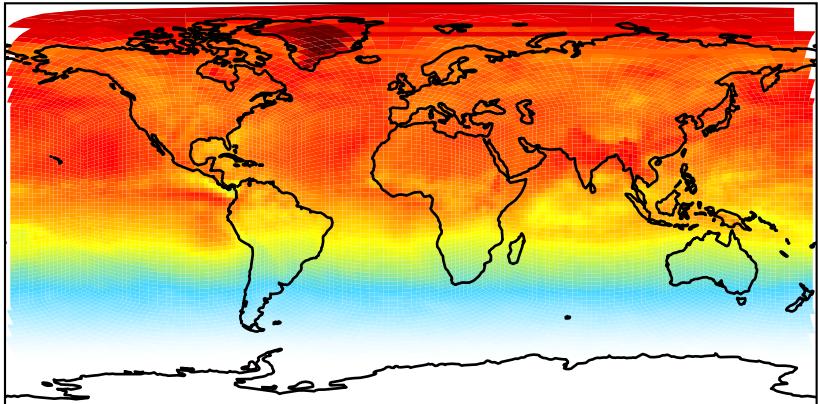


Ratio  
Dev/Ref, Fixed Range

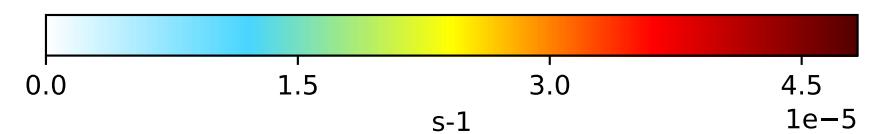
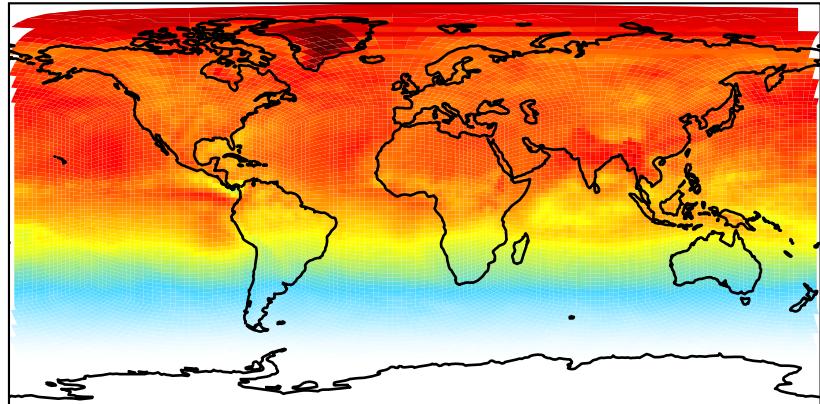


# Jval\_HPALD4

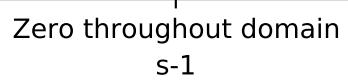
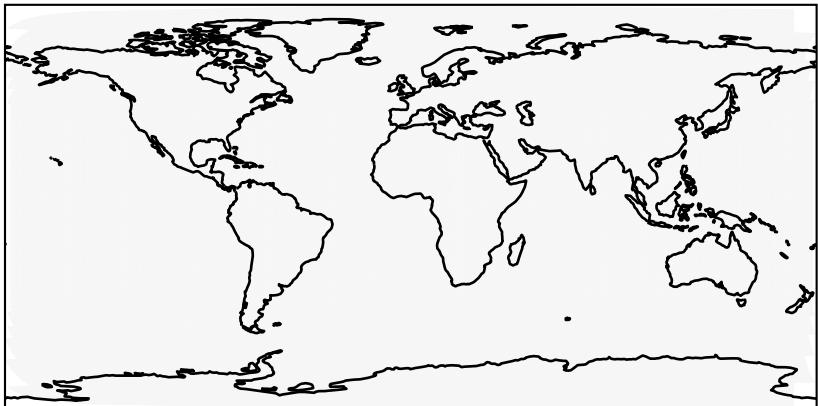
GCHP\_13.2.0-beta.0 (Ref)  
c48



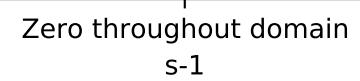
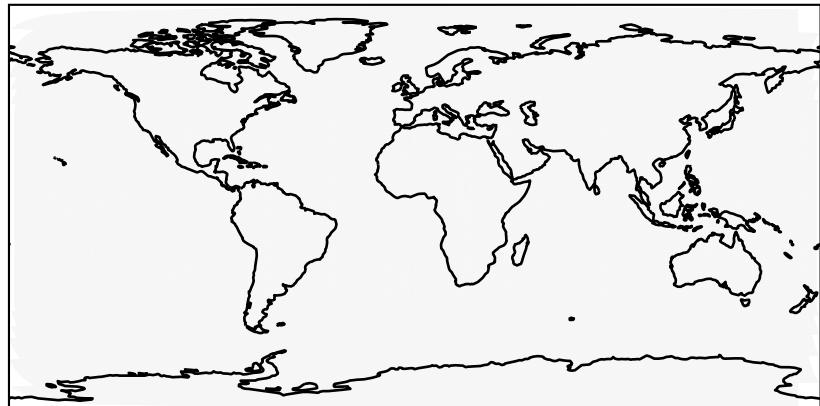
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



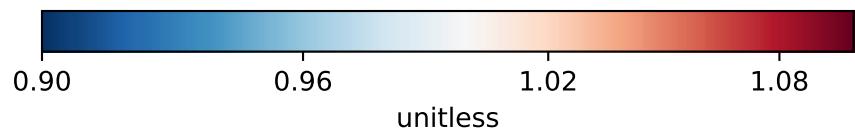
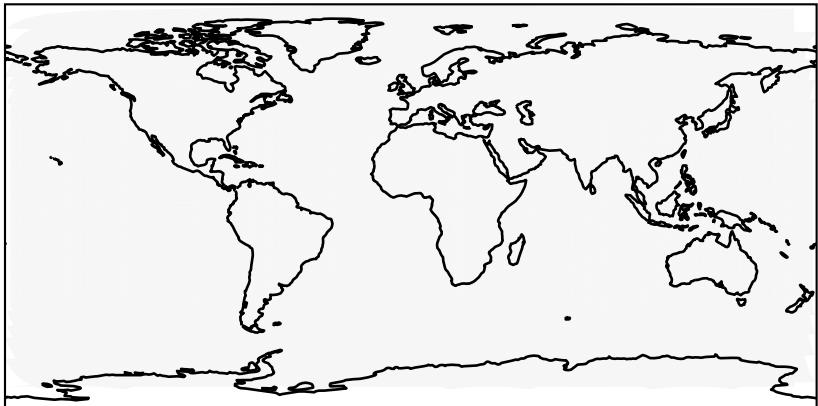
Difference  
Dev - Ref, Dynamic Range



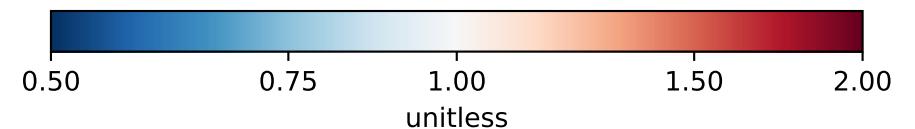
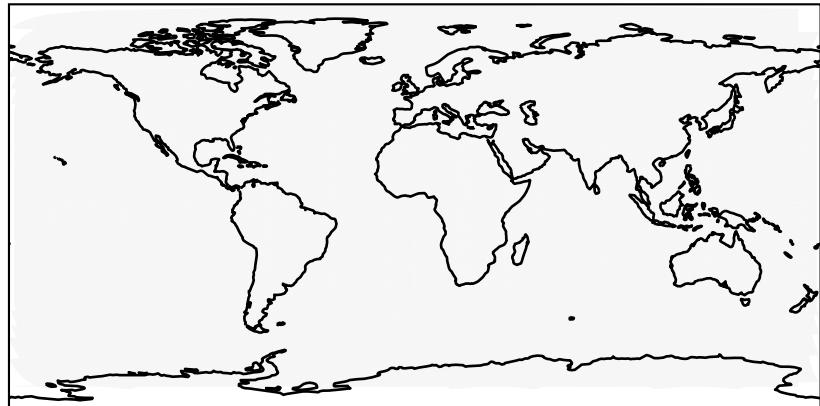
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

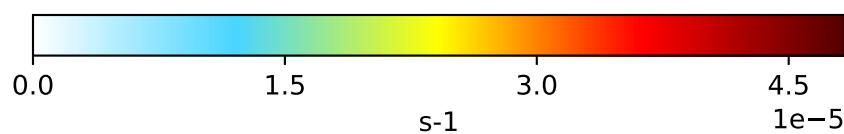
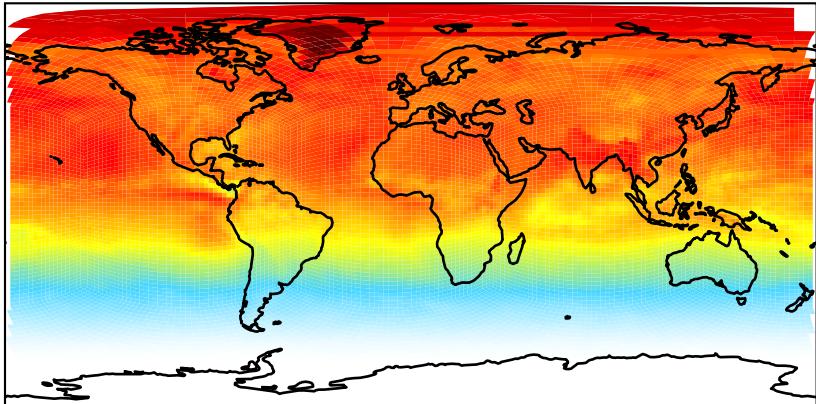


Ratio  
Dev/Ref, Fixed Range

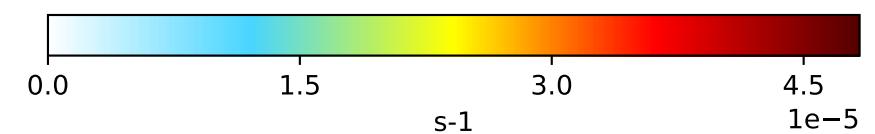
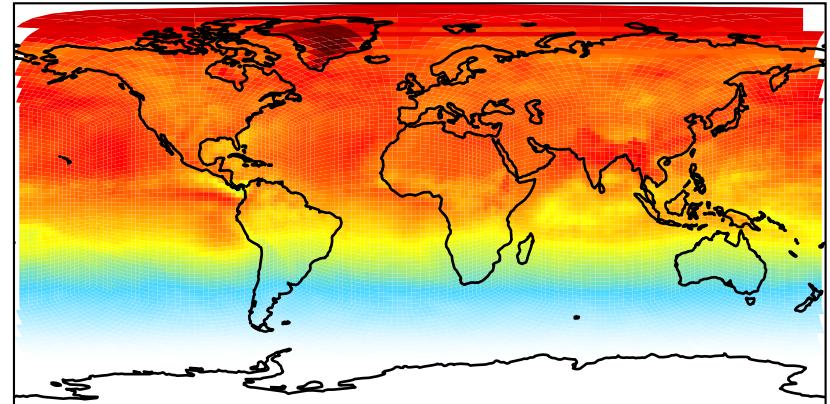


# Jval\_HPETHNL

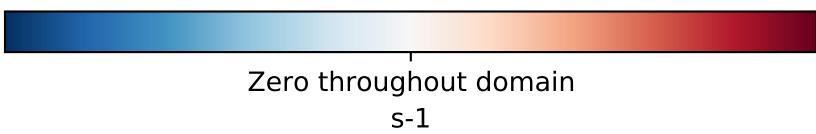
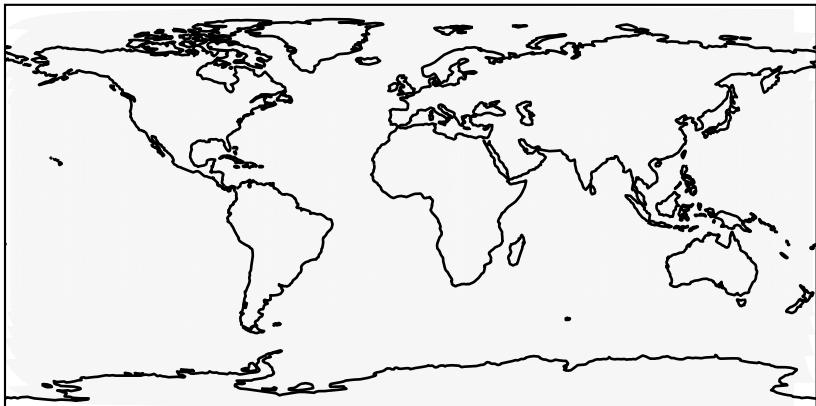
GCHP\_13.2.0-beta.0 (Ref)  
c48



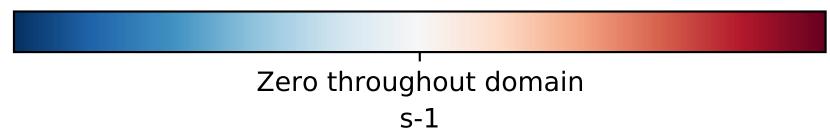
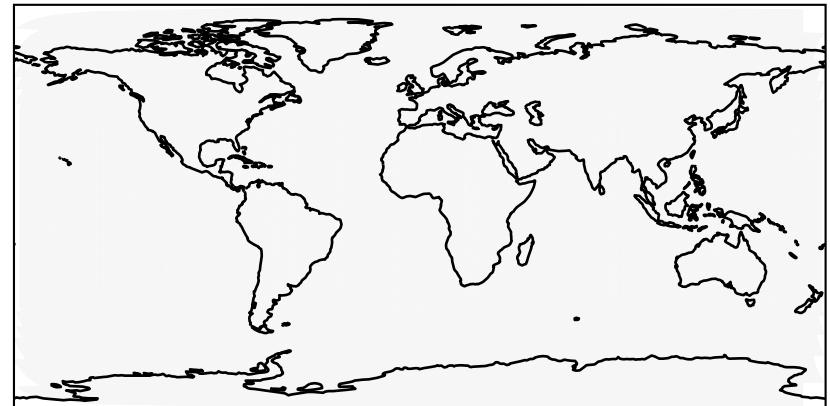
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



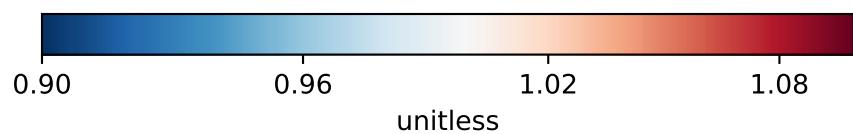
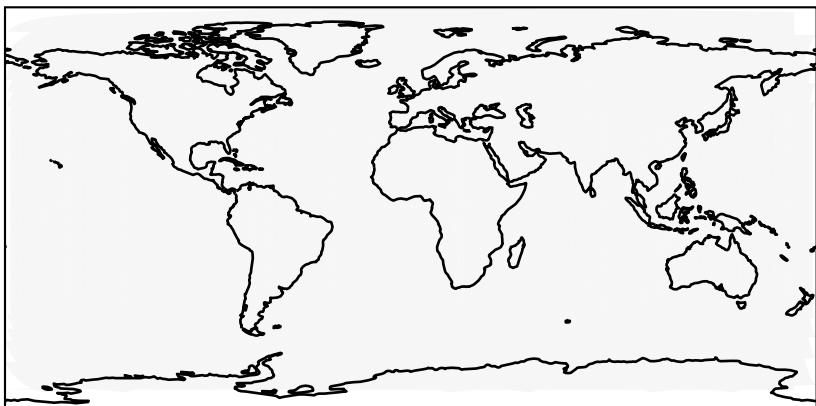
Difference  
Dev - Ref, Dynamic Range



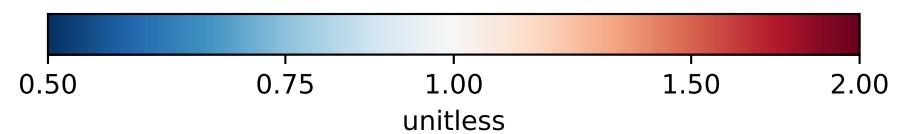
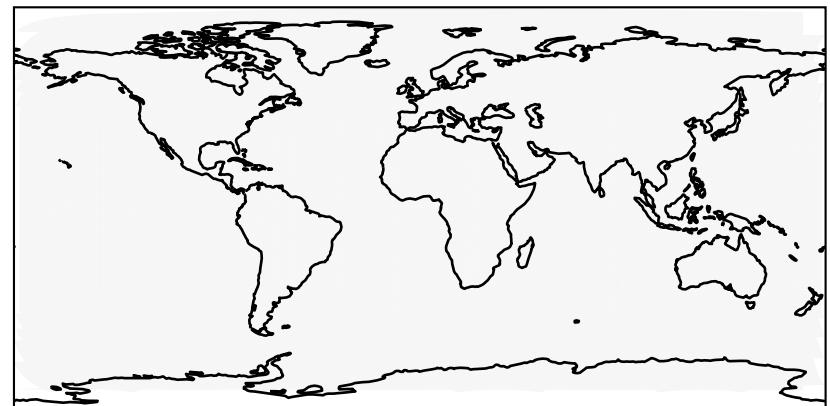
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

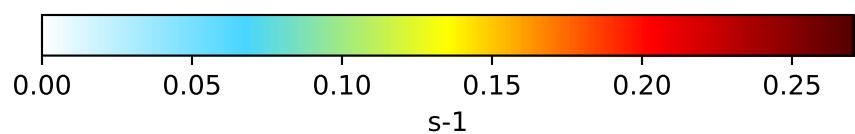
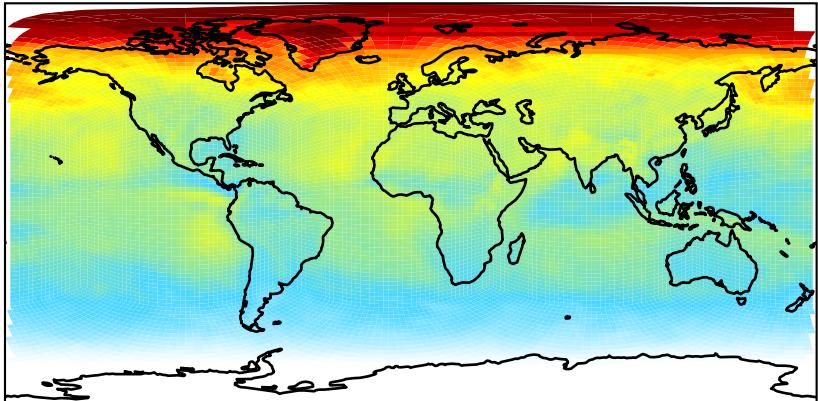


Ratio  
Dev/Ref, Fixed Range

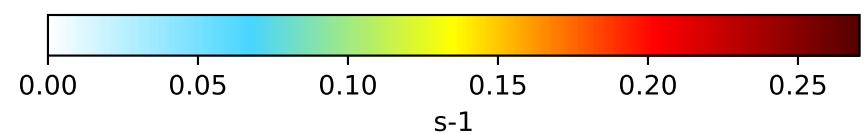
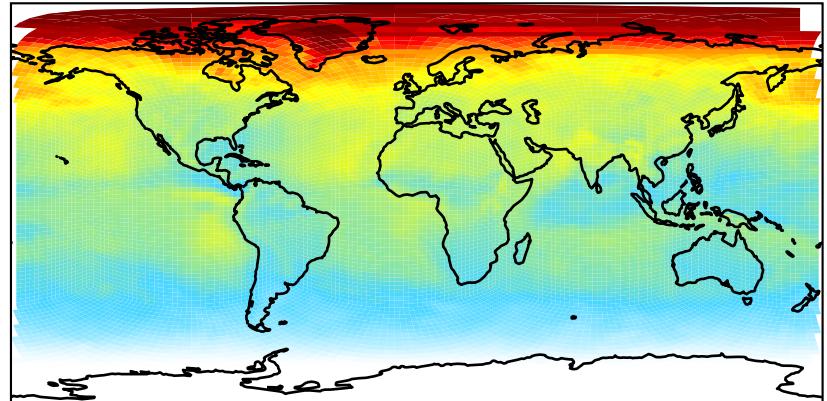


# Jval\_I2

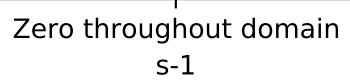
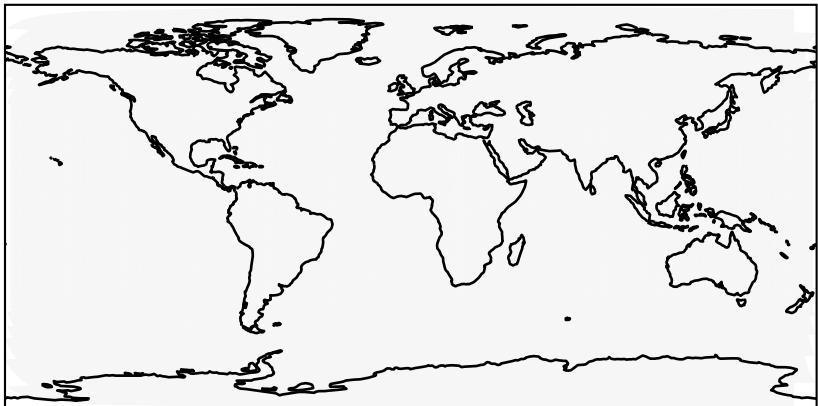
GCHP\_13.2.0-beta.0 (Ref)  
c48



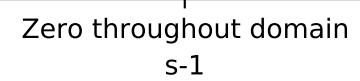
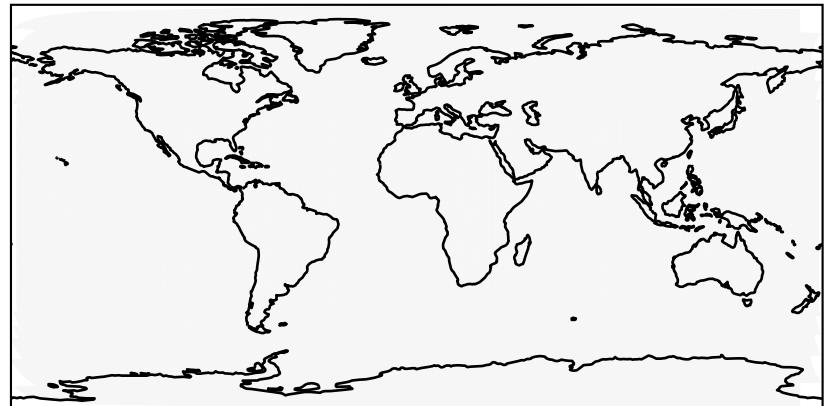
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



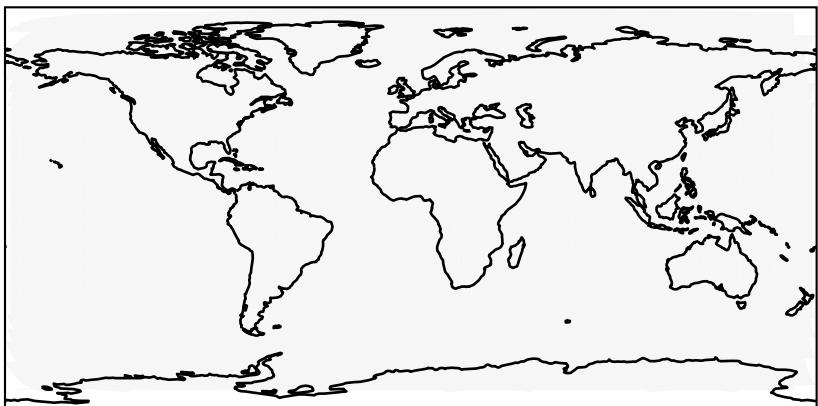
Difference  
Dev - Ref, Dynamic Range



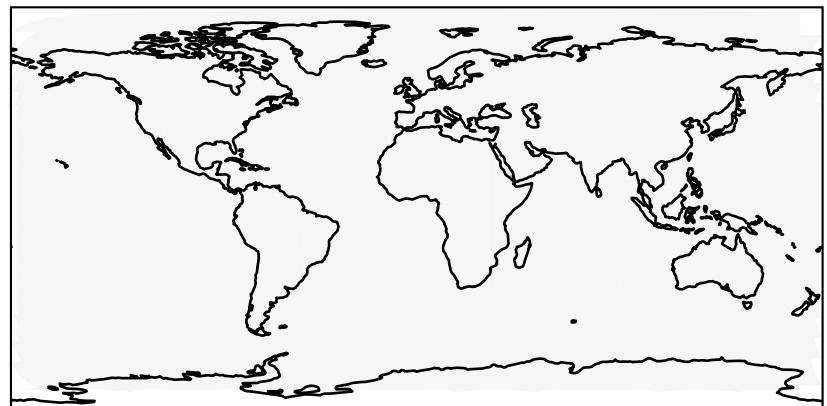
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

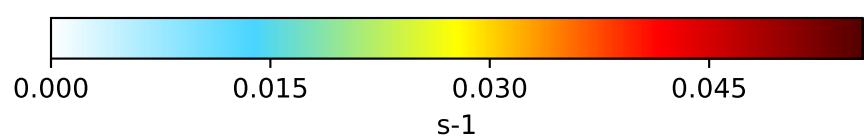
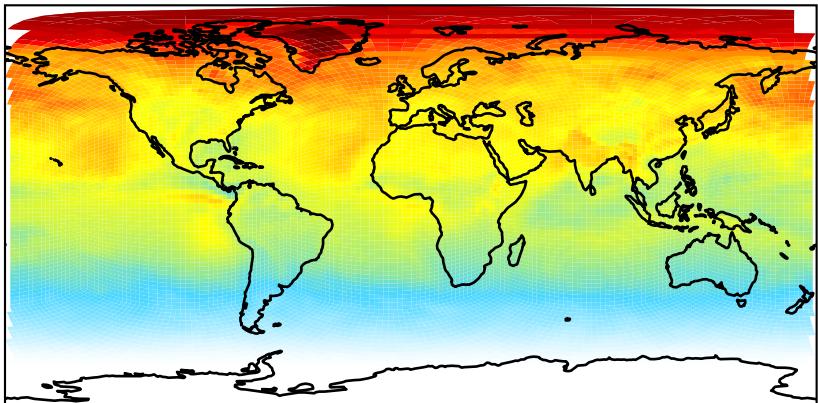


Ratio  
Dev/Ref, Fixed Range

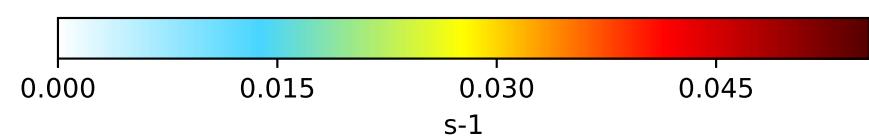
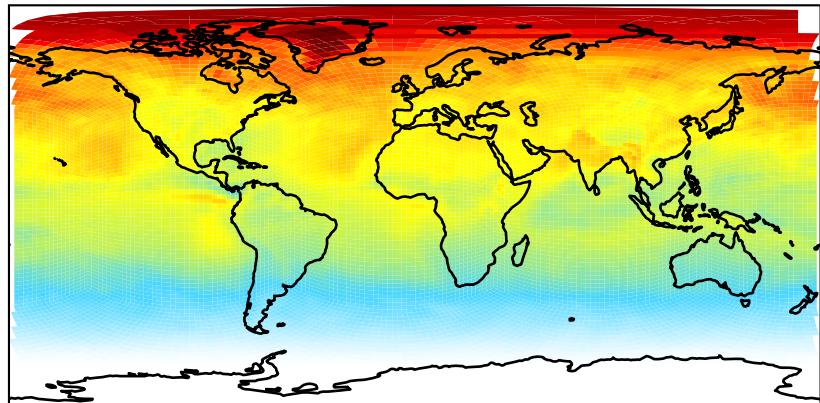


# Jval\_I202

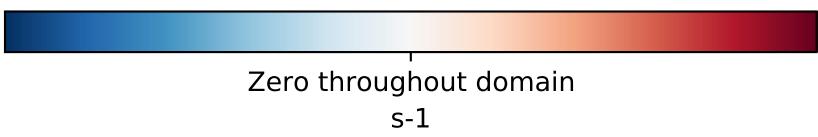
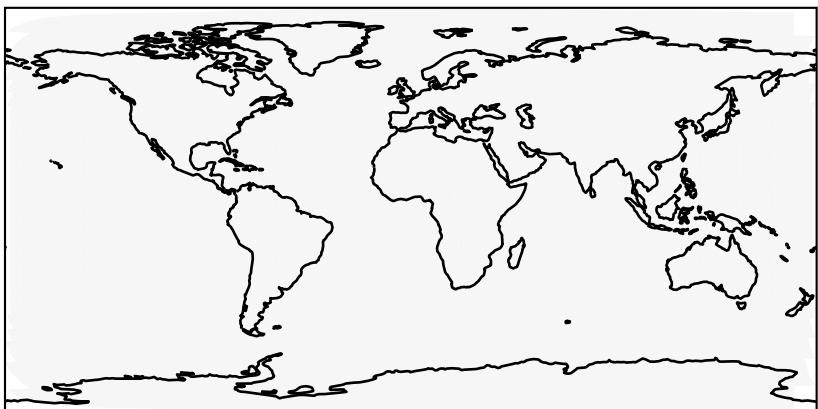
GCHP\_13.2.0-beta.0 (Ref)  
c48



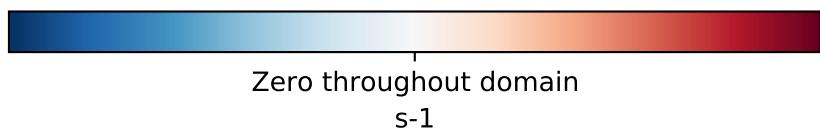
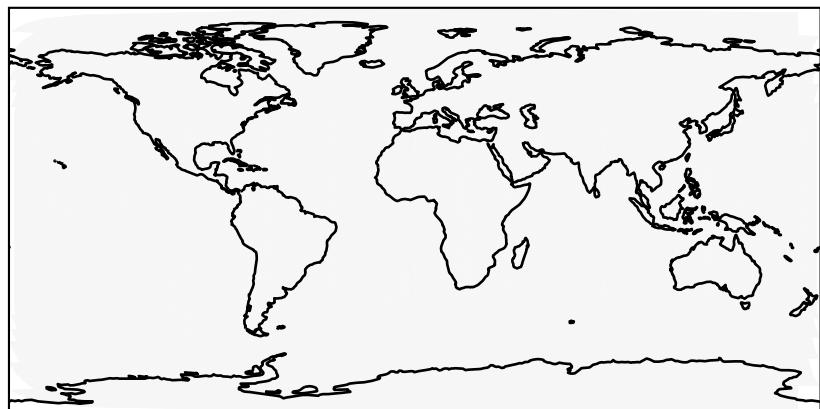
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



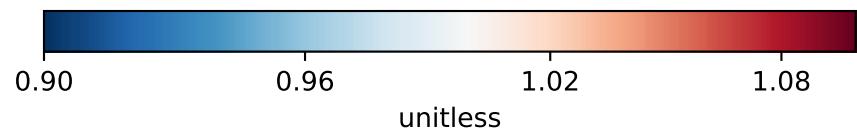
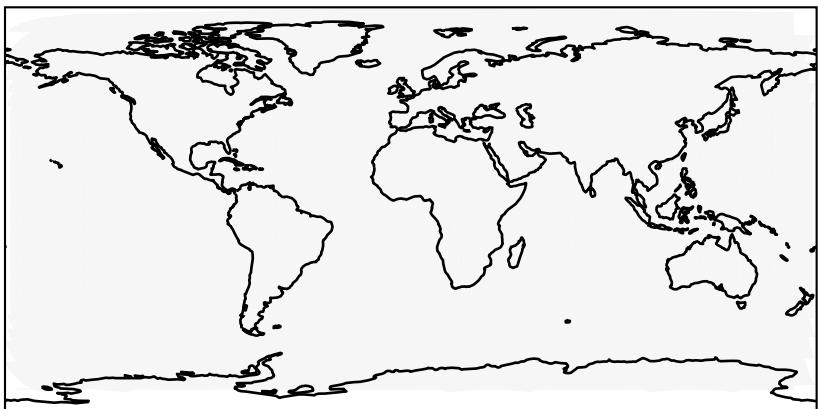
Difference  
Dev - Ref, Dynamic Range



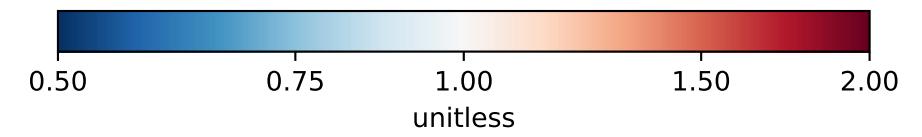
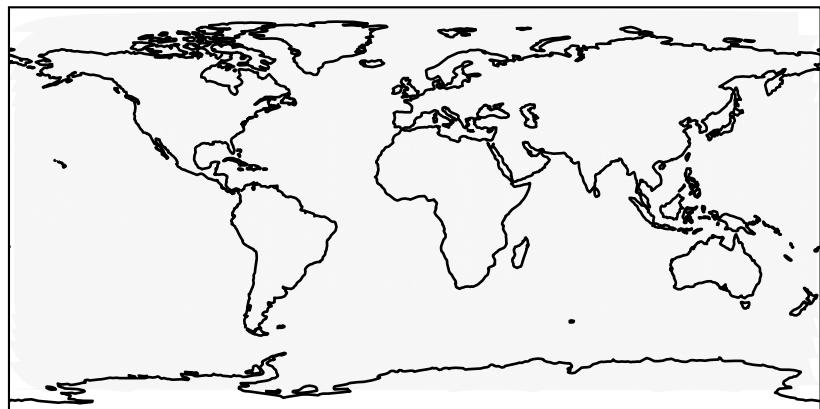
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

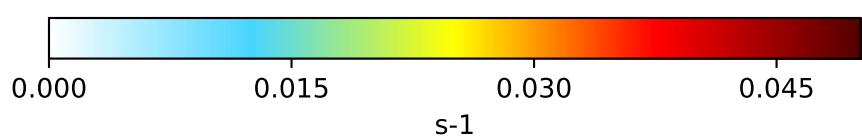
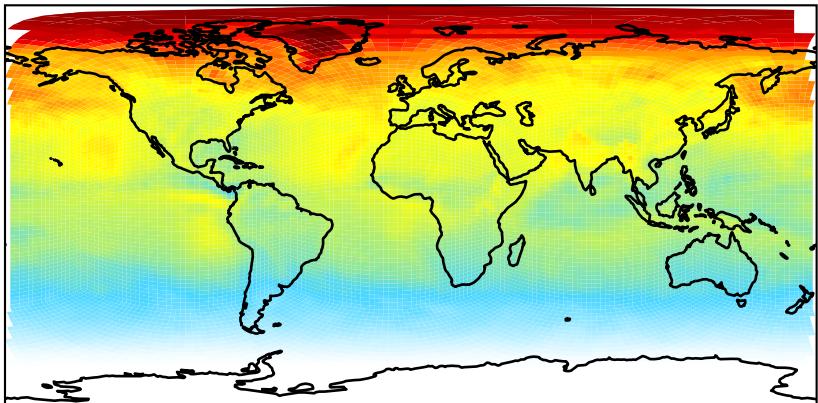


Ratio  
Dev/Ref, Fixed Range

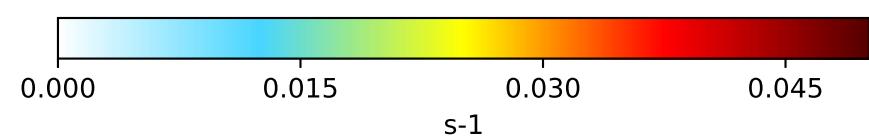
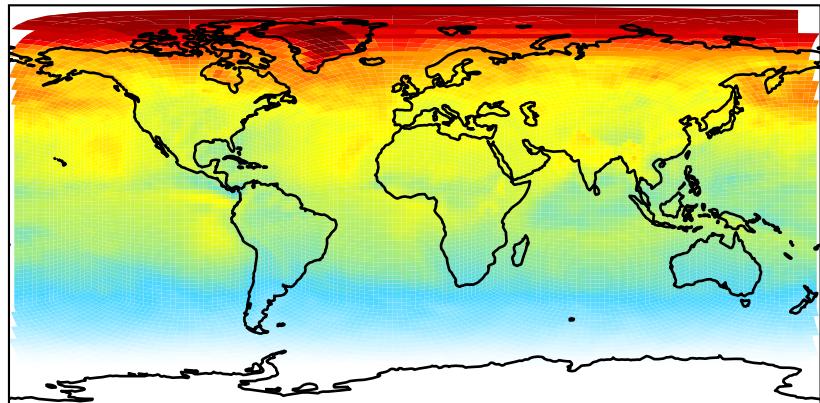


# Jval\_I203

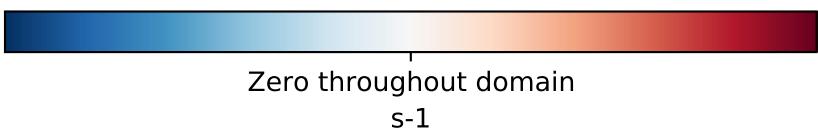
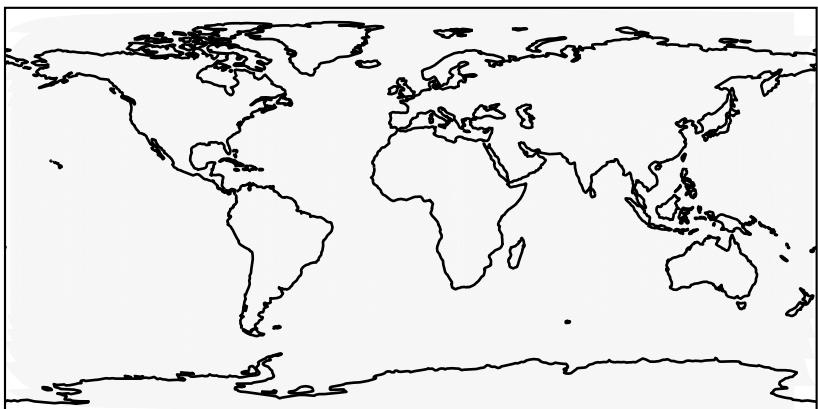
GCHP\_13.2.0-beta.0 (Ref)  
c48



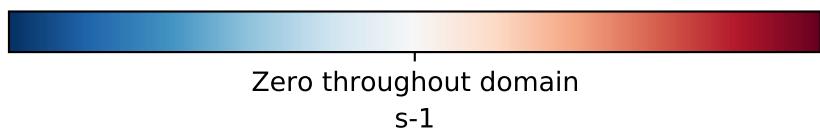
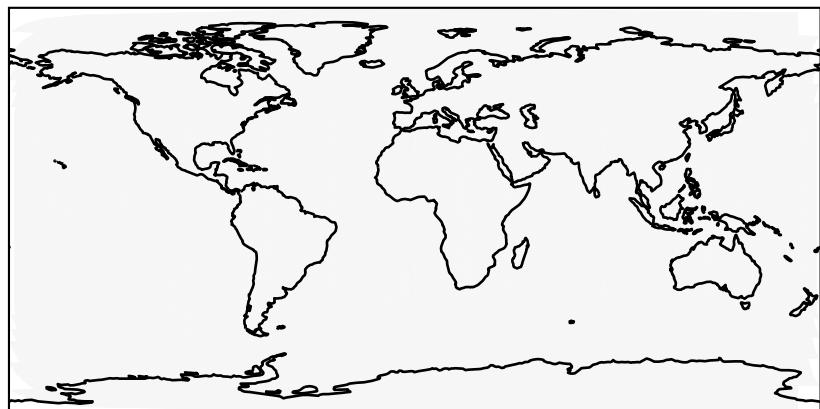
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



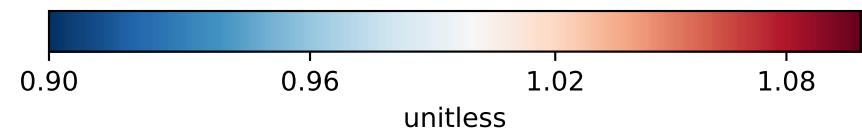
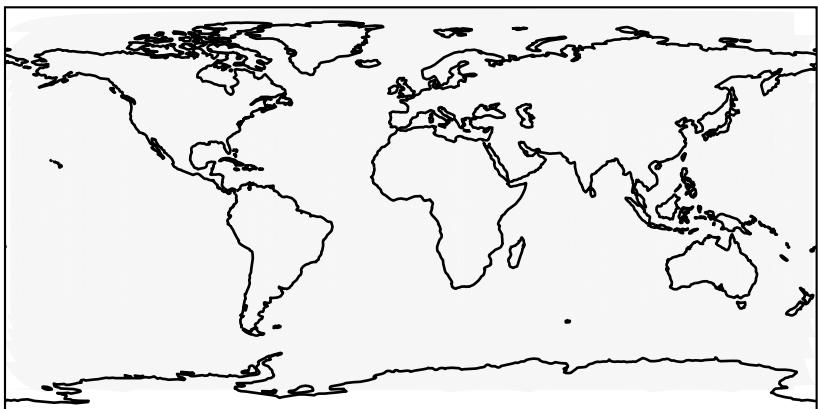
Difference  
Dev - Ref, Dynamic Range



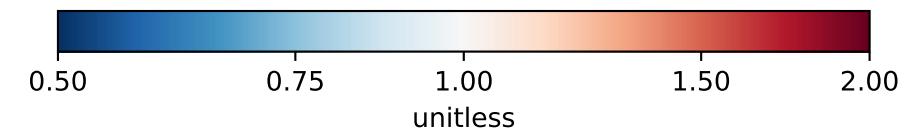
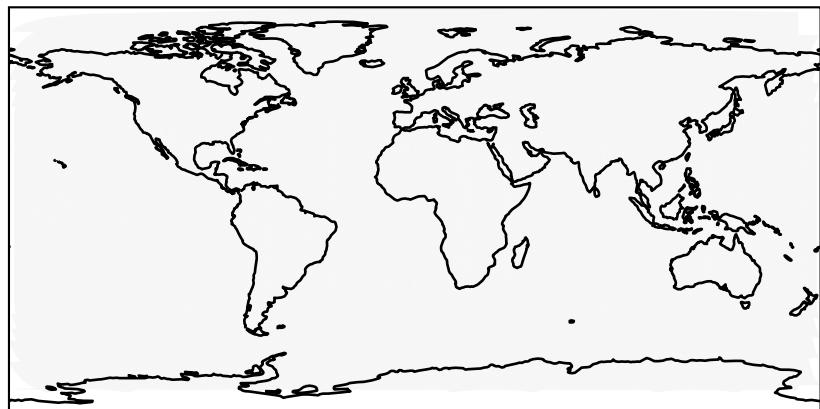
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

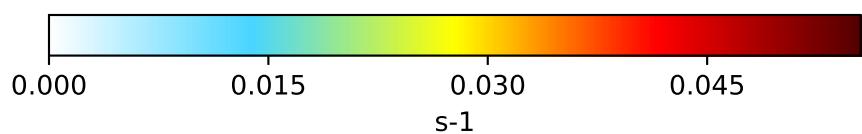
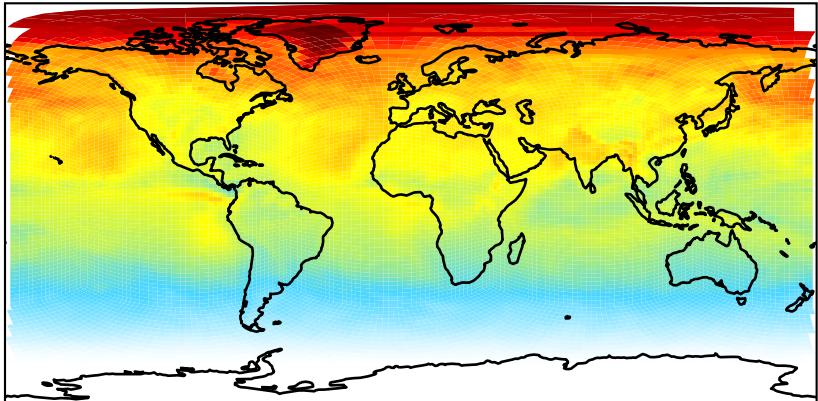


Ratio  
Dev/Ref, Fixed Range

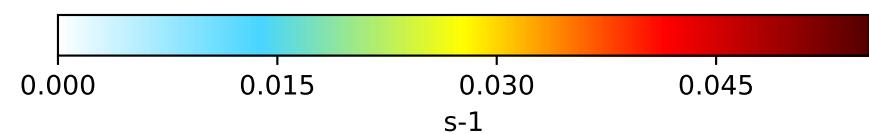
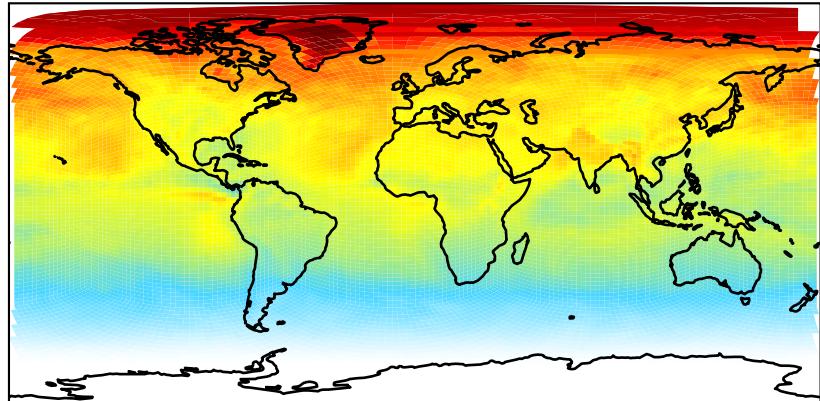


# Jval\_I204

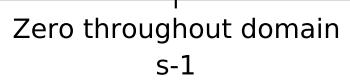
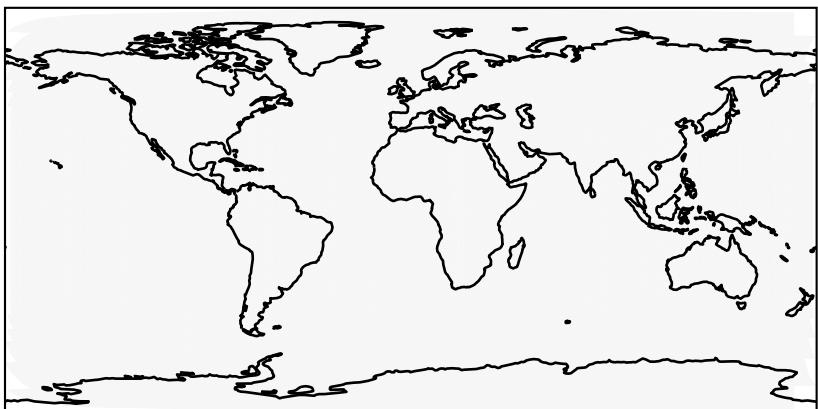
GCHP\_13.2.0-beta.0 (Ref)  
c48



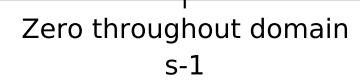
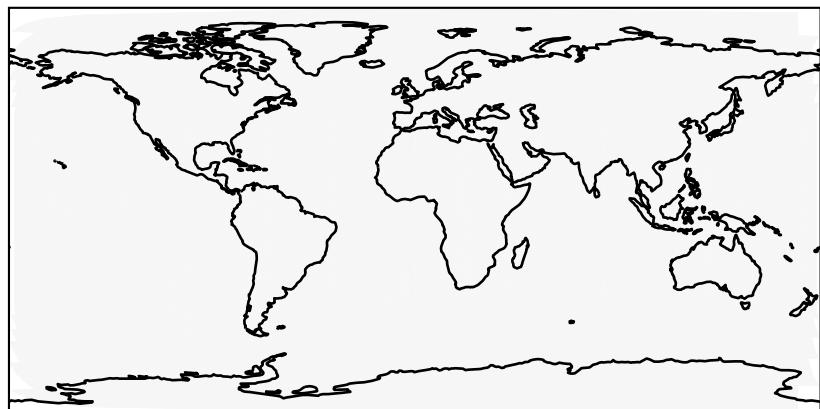
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



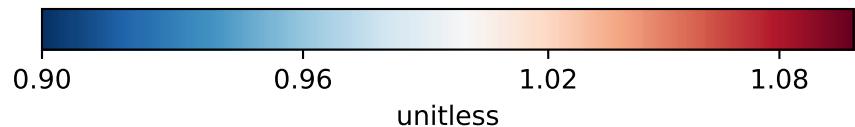
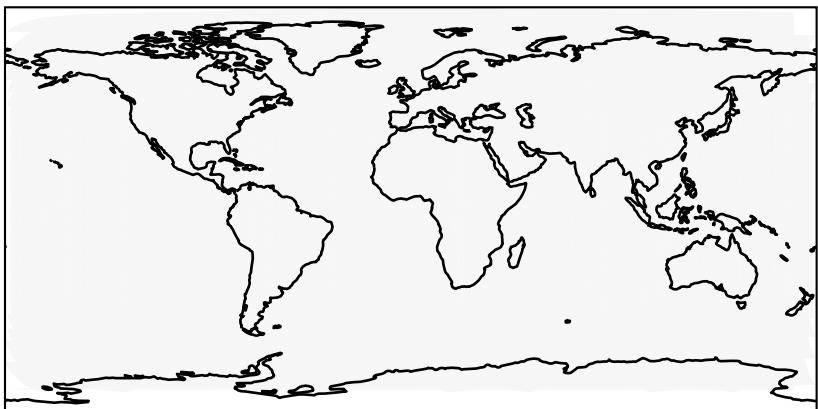
Difference  
Dev - Ref, Dynamic Range



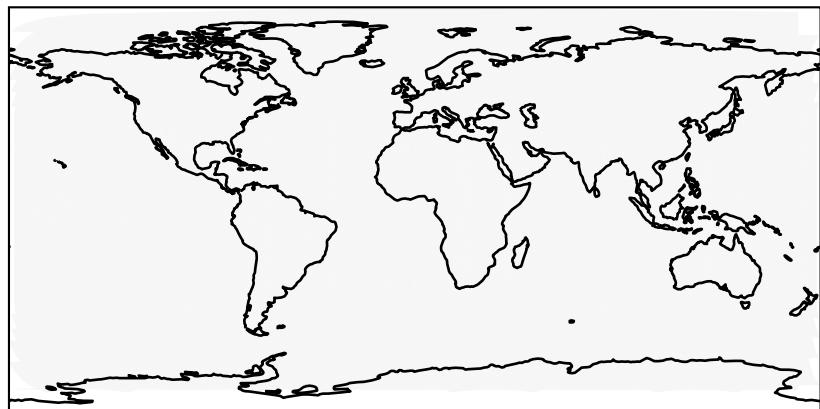
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

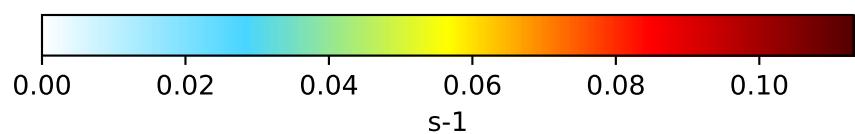
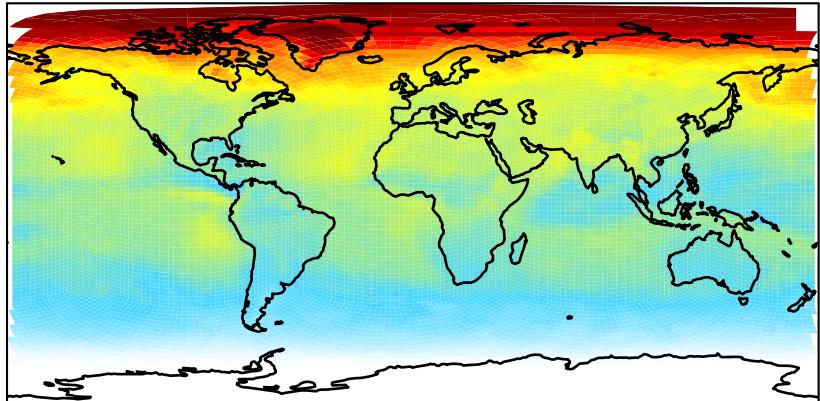


Ratio  
Dev/Ref, Fixed Range

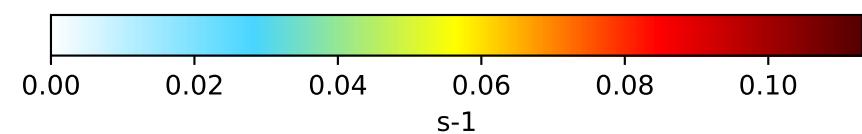
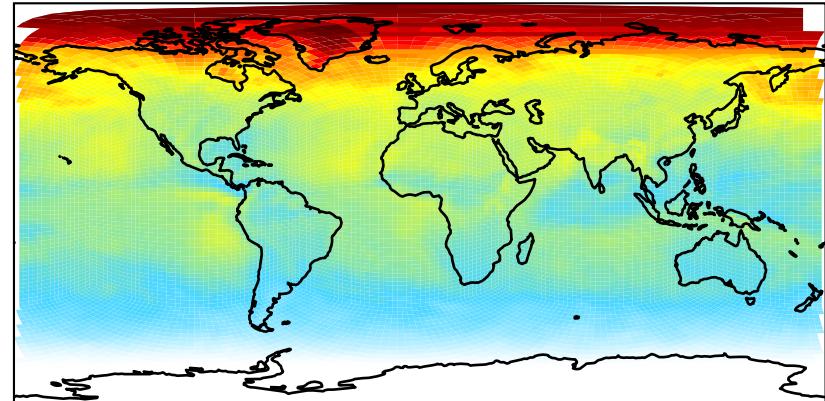


# Jval\_IBr

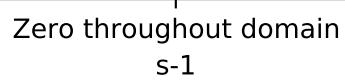
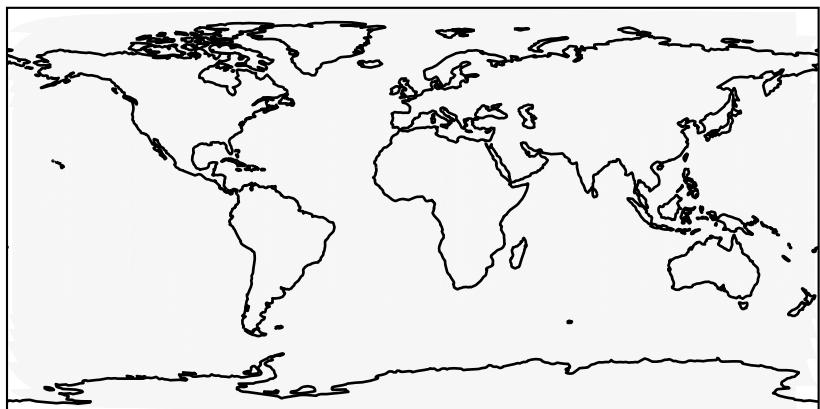
GCHP\_13.2.0-beta.0 (Ref)  
c48



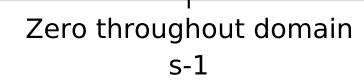
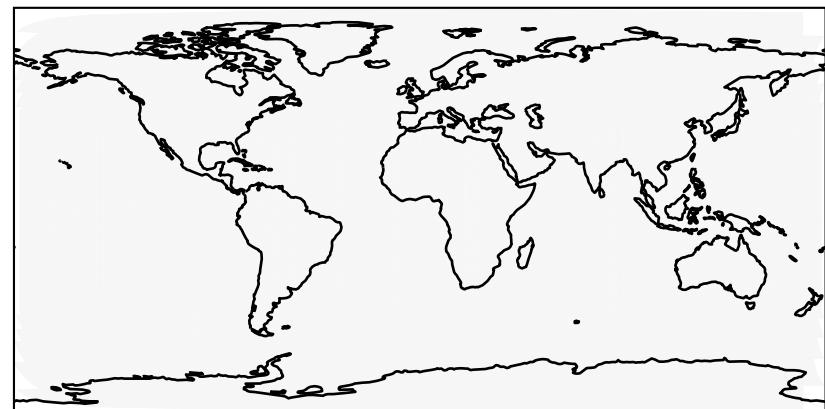
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



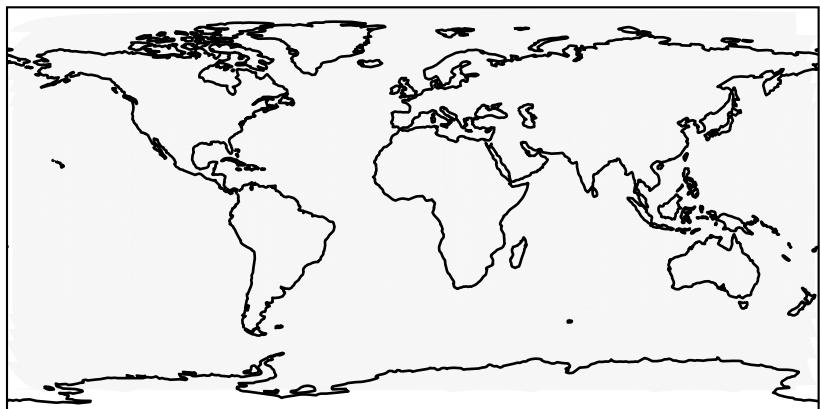
Difference  
Dev - Ref, Dynamic Range



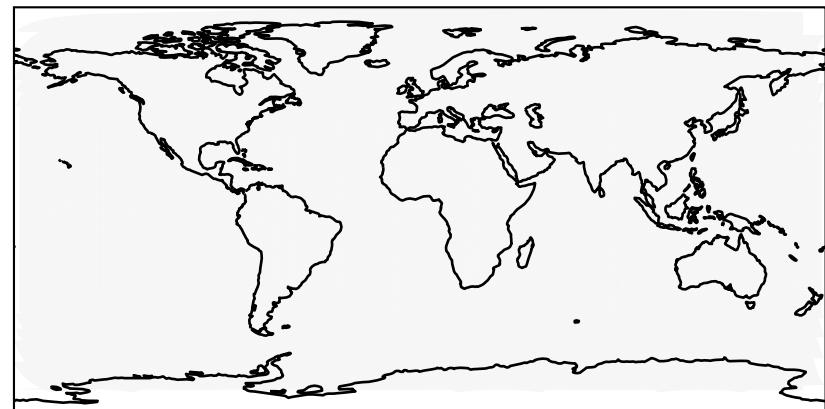
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

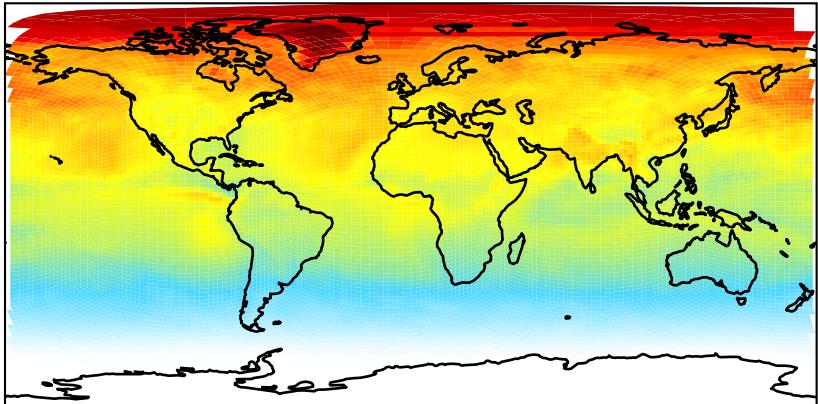


Ratio  
Dev/Ref, Fixed Range

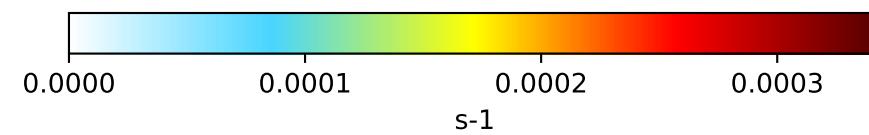
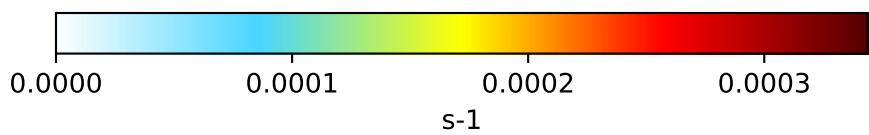
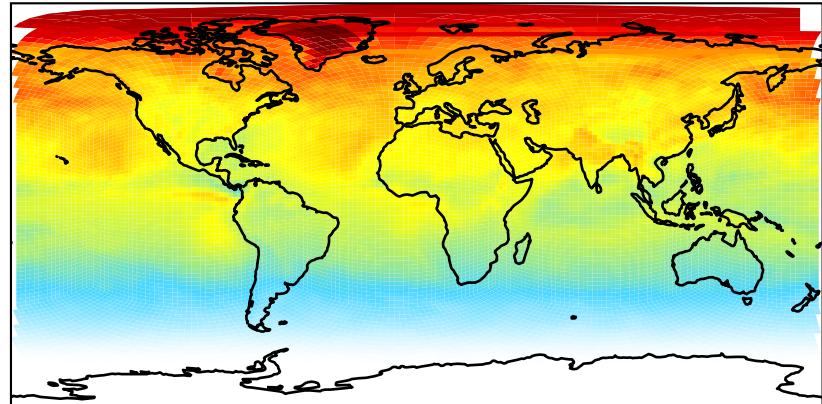


# Jval\_ICN

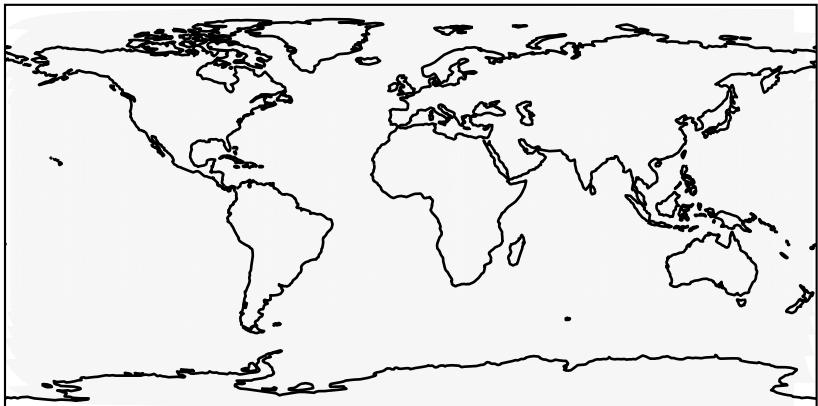
GCHP\_13.2.0-beta.0 (Ref)  
c48



GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48

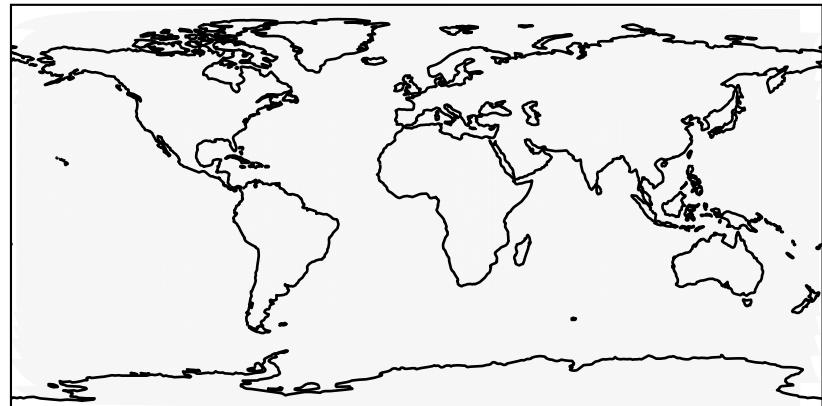


Difference  
Dev - Ref, Dynamic Range



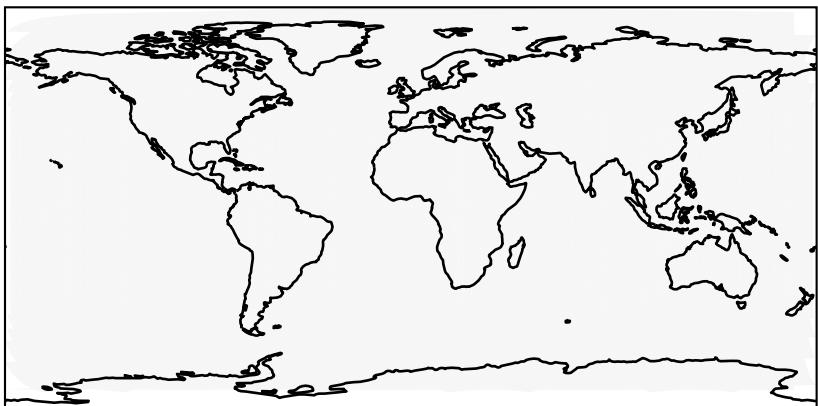
Zero throughout domain  
s<sup>-1</sup>

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



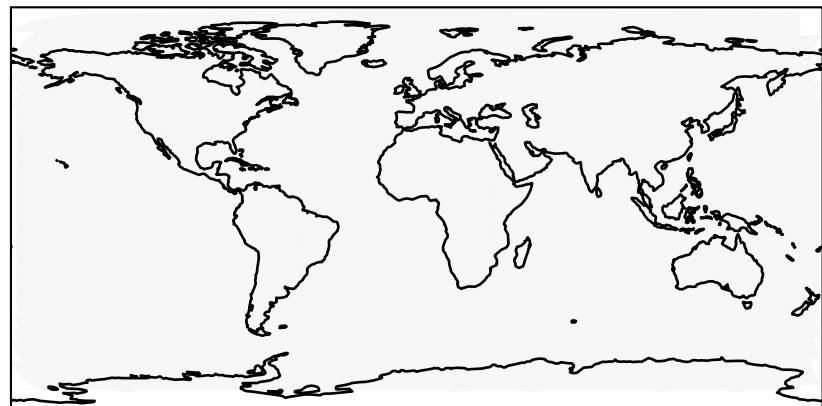
Zero throughout domain  
s<sup>-1</sup>

Ratio  
Dev/Ref, Dynamic Range



0.90      0.96      1.02      1.08  
unitless

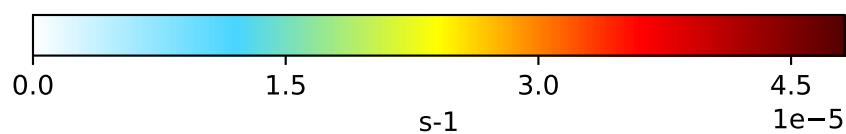
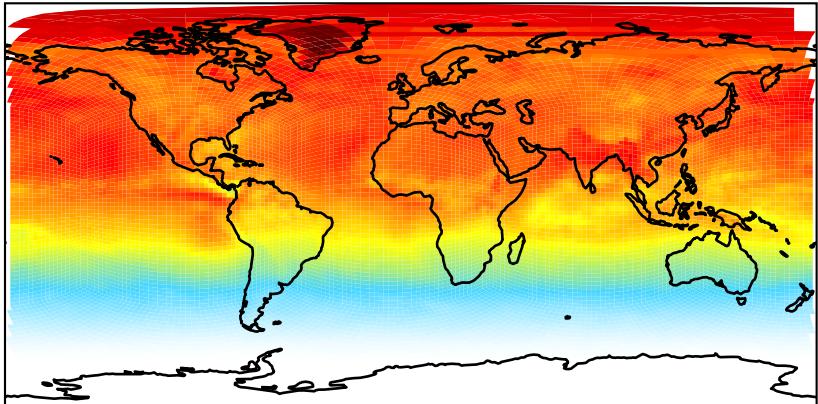
Ratio  
Dev/Ref, Fixed Range



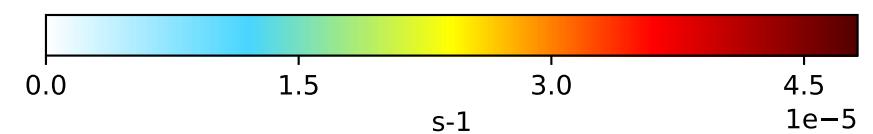
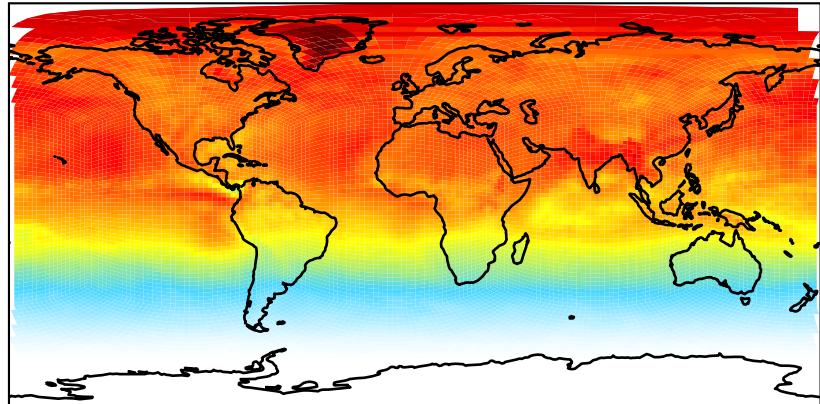
0.50      0.75      1.00      1.50      2.00  
unitless

# Jval\_ICPDH

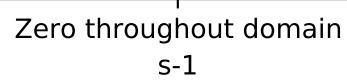
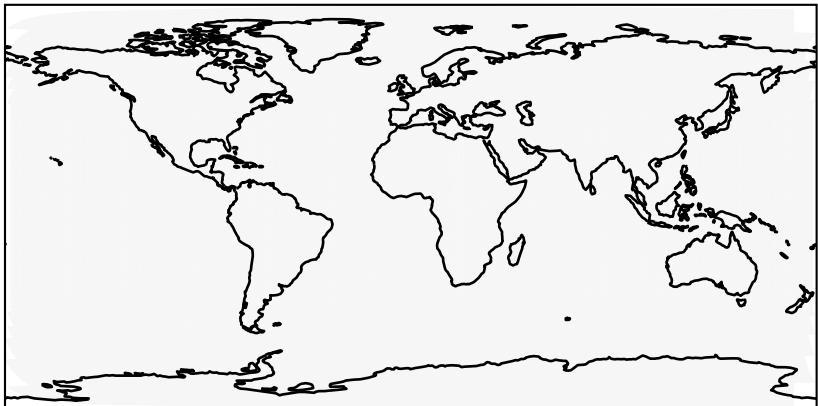
GCHP\_13.2.0-beta.0 (Ref)  
c48



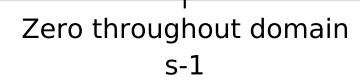
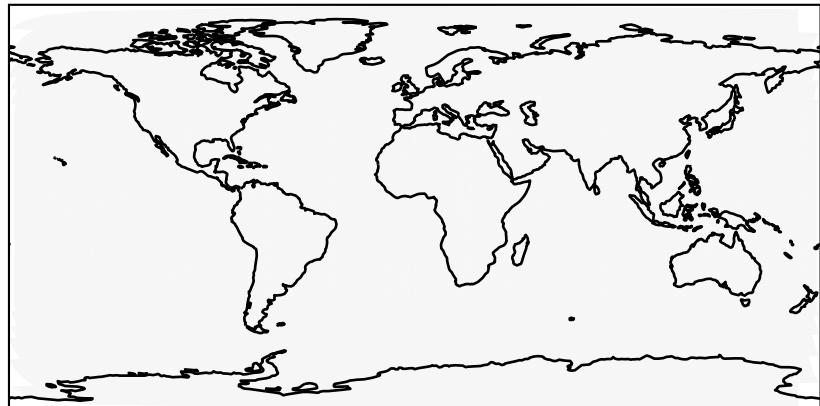
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



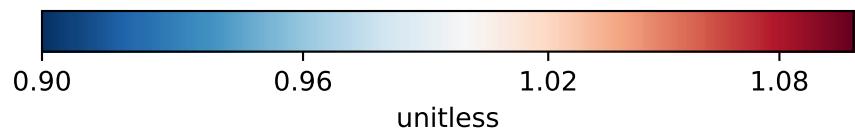
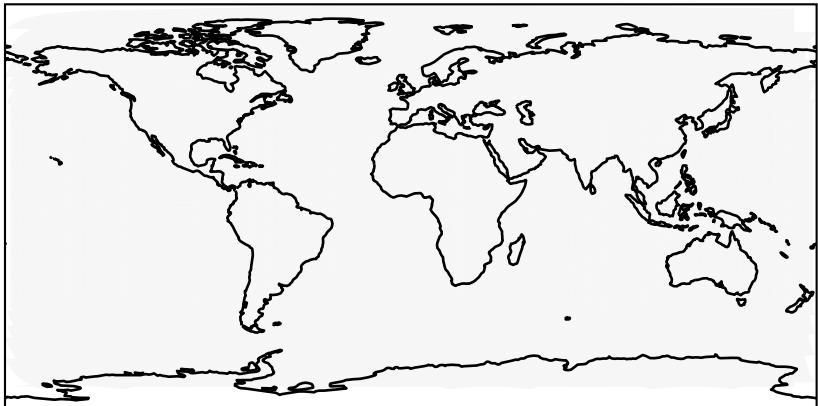
Difference  
Dev - Ref, Dynamic Range



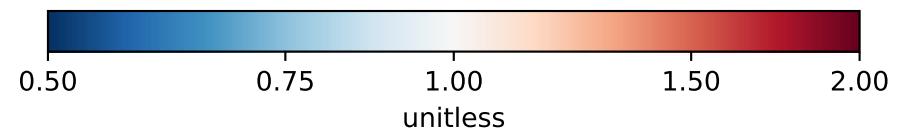
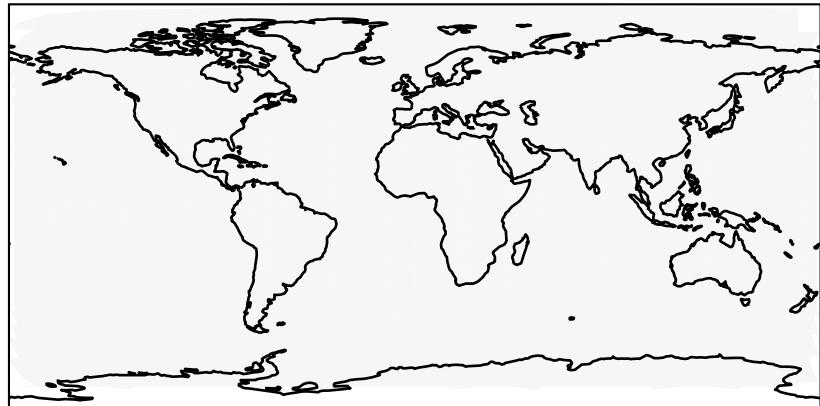
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

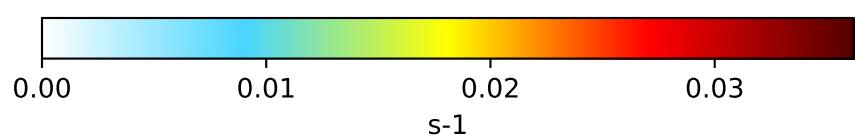
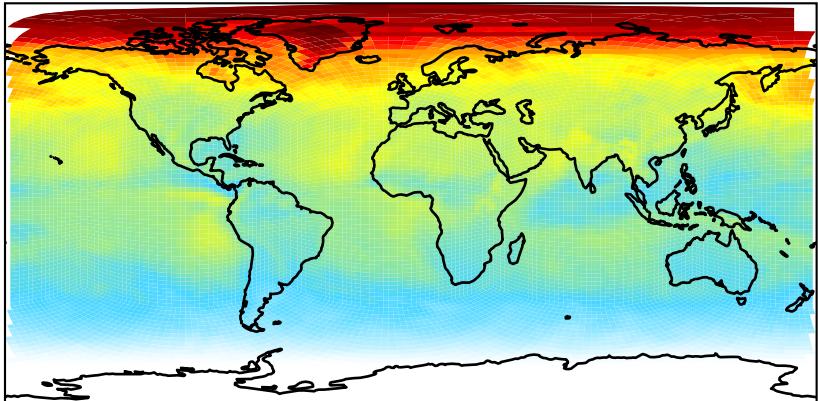


Ratio  
Dev/Ref, Fixed Range

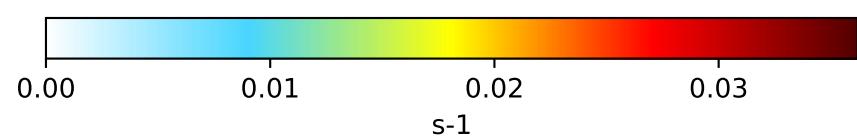
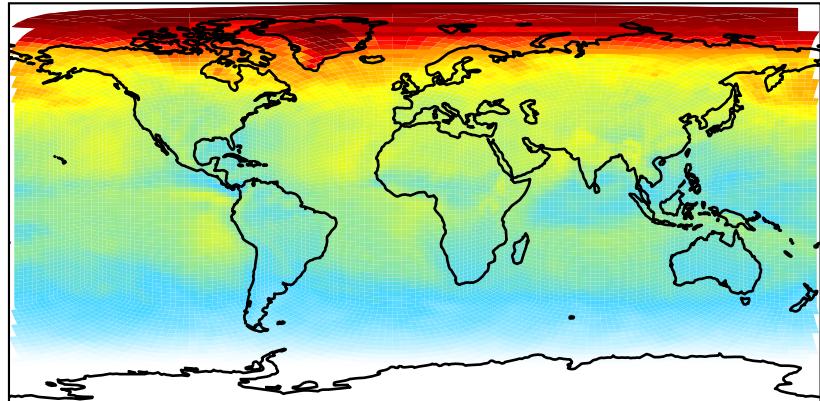


# Jval\_ICI

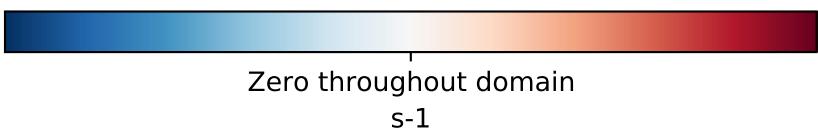
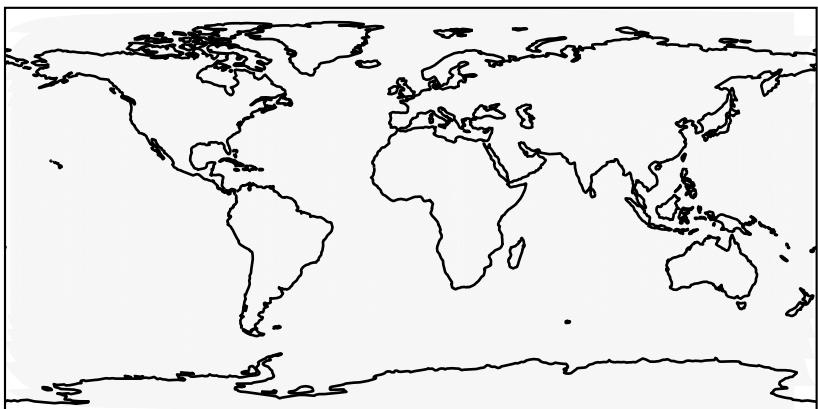
GCHP\_13.2.0-beta.0 (Ref)  
c48



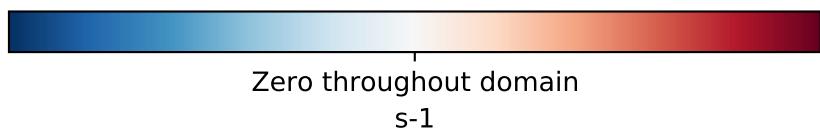
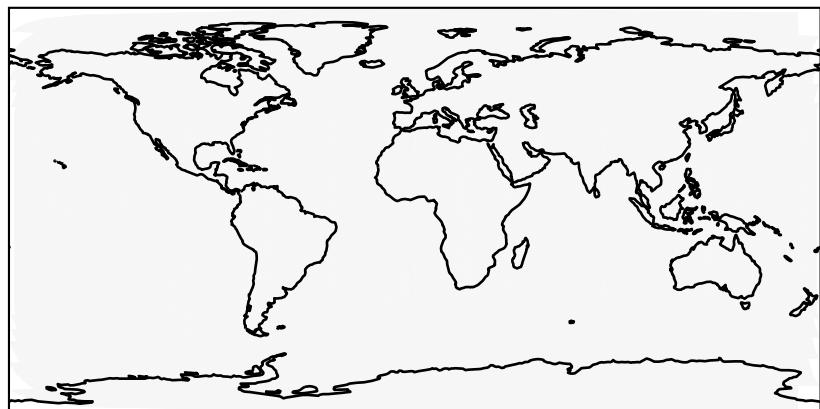
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



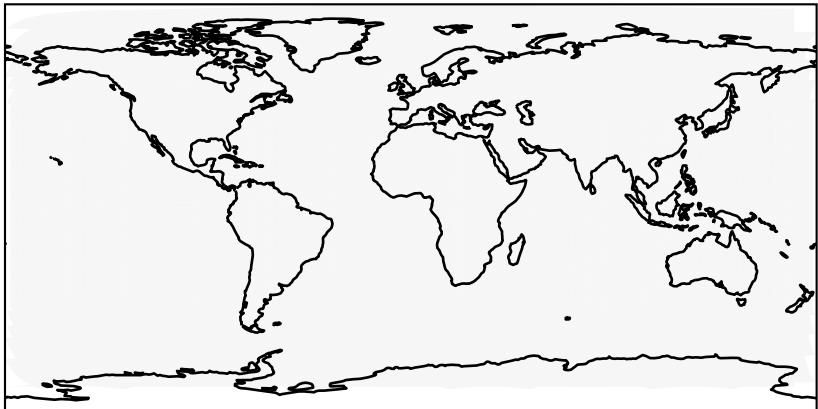
Difference  
Dev - Ref, Dynamic Range



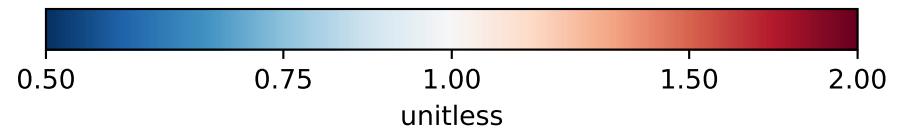
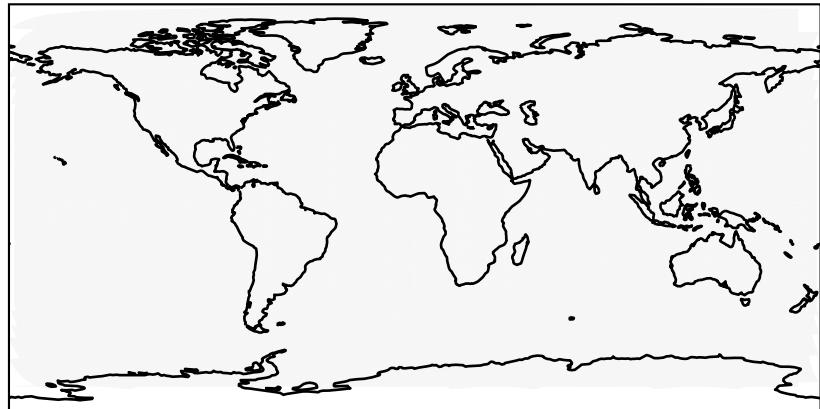
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

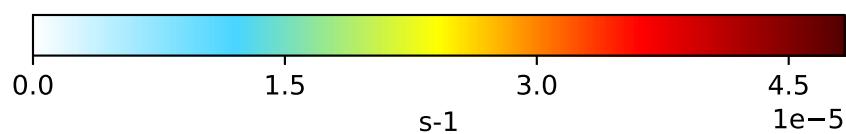
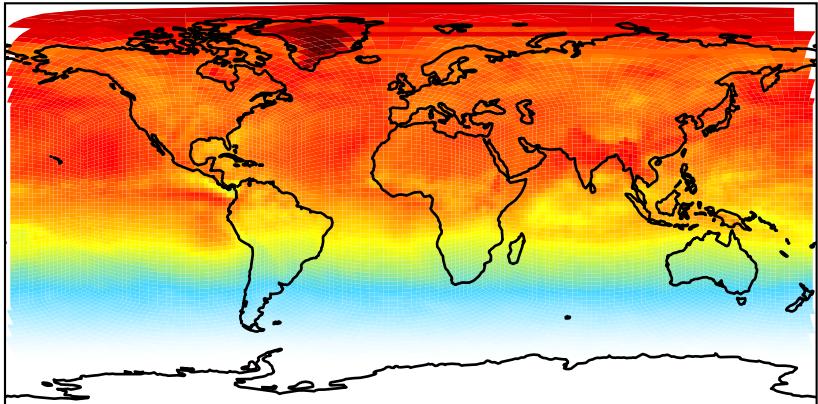


Ratio  
Dev/Ref, Fixed Range

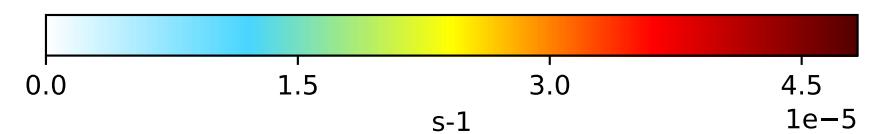
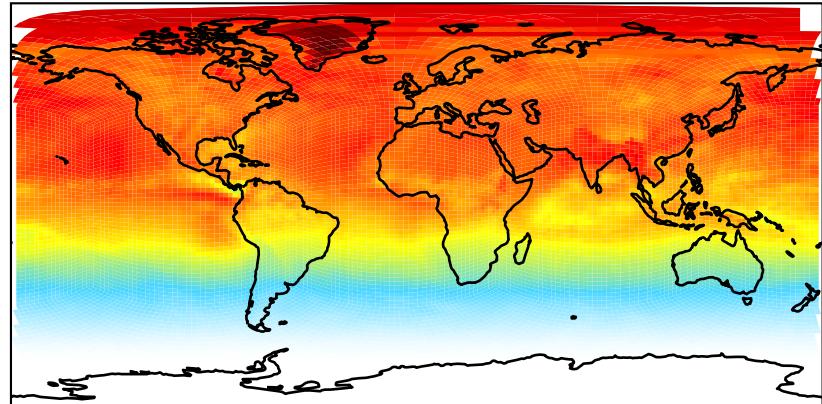


# Jval\_IDCHP

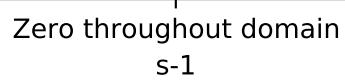
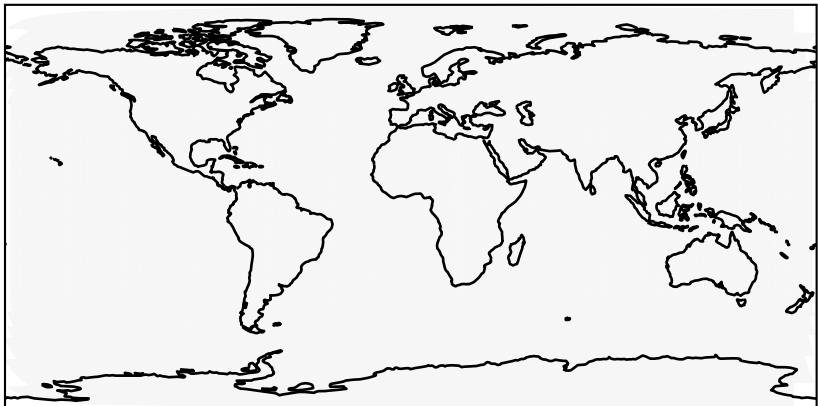
GCHP\_13.2.0-beta.0 (Ref)  
c48



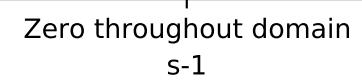
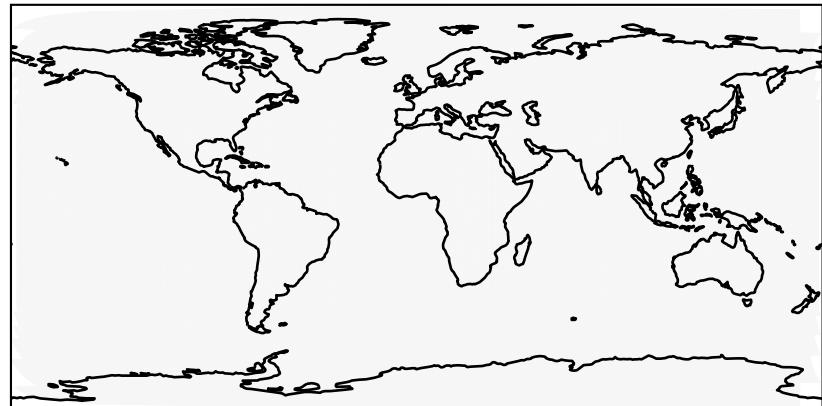
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



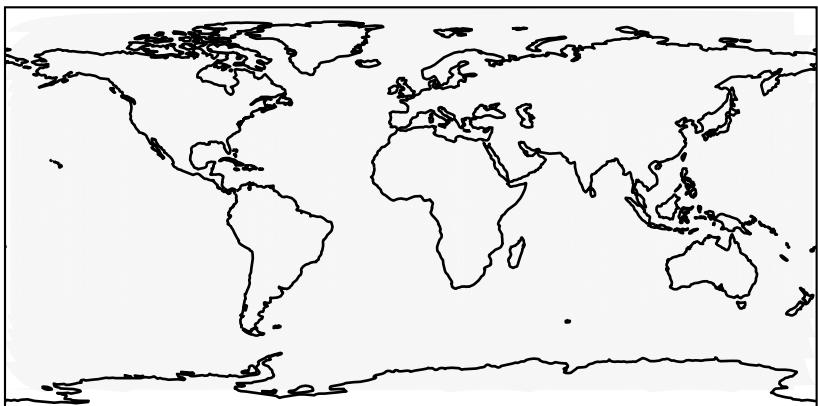
Difference  
Dev - Ref, Dynamic Range



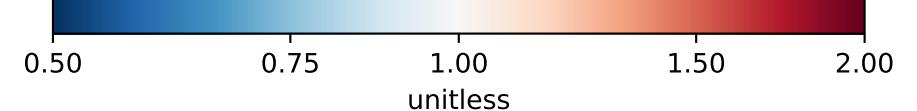
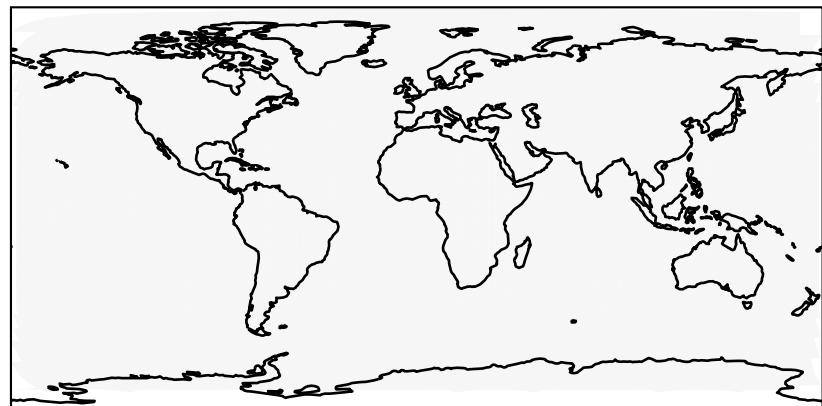
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

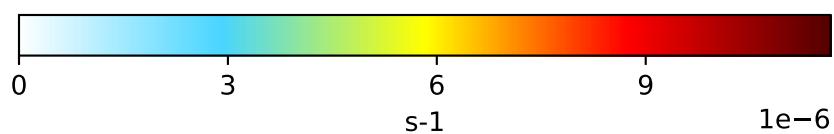
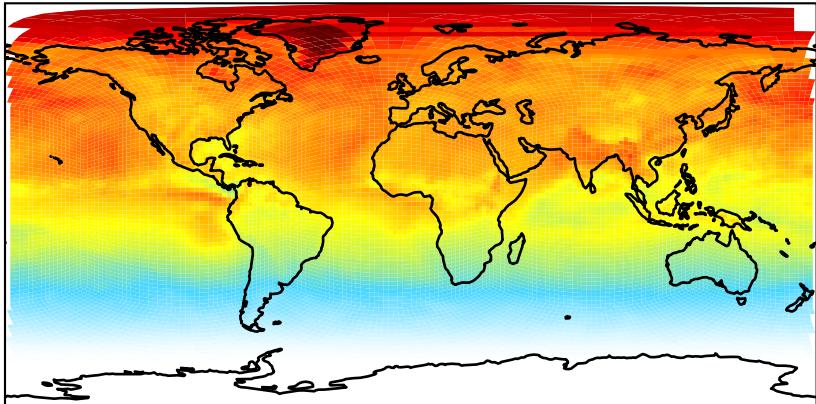


Ratio  
Dev/Ref, Fixed Range

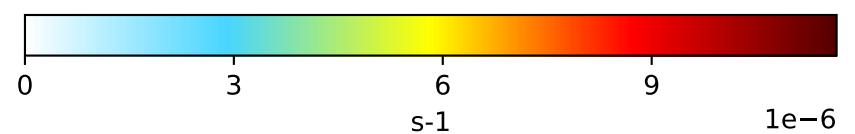
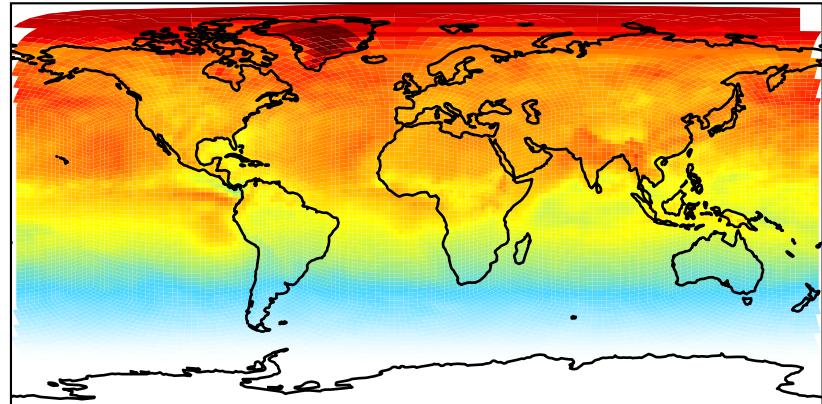


# Jval\_IDHDP

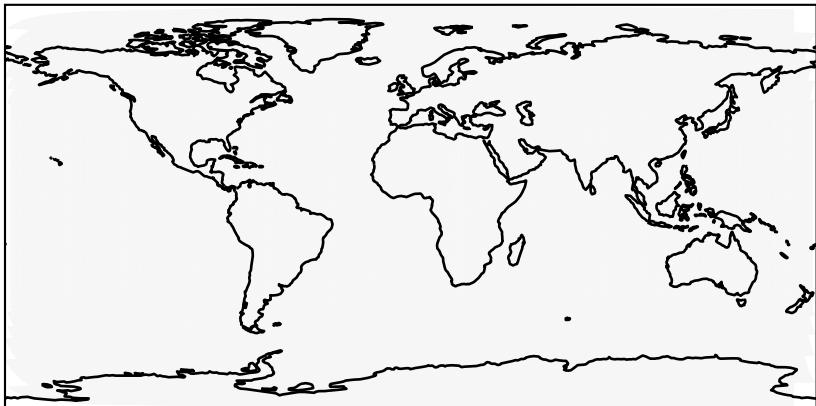
GCHP\_13.2.0-beta.0 (Ref)  
c48



GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48

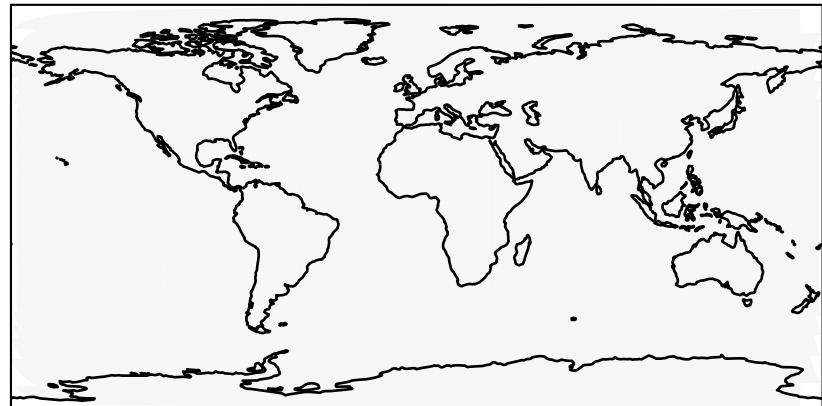


Difference  
Dev - Ref, Dynamic Range



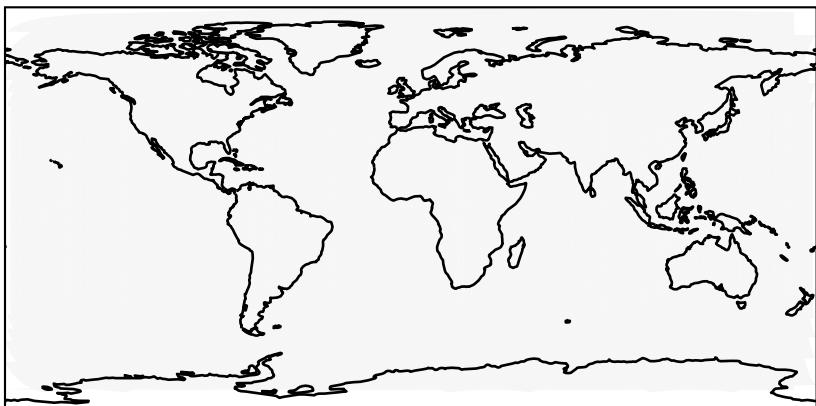
Zero throughout domain  
 $\text{s}^{-1}$

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



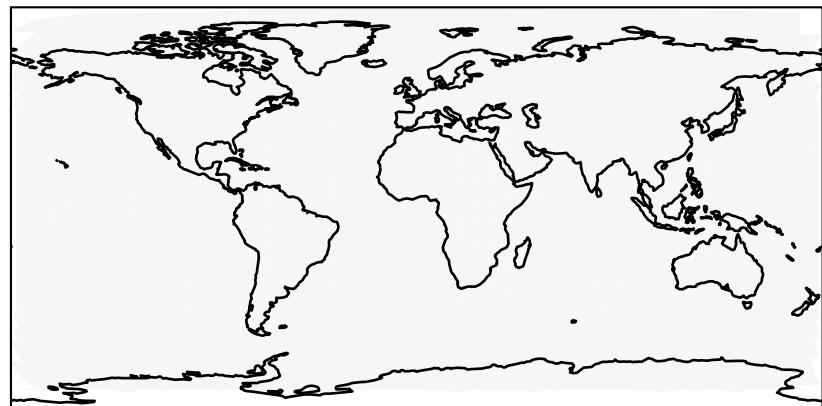
Zero throughout domain  
 $\text{s}^{-1}$

Ratio  
Dev/Ref, Dynamic Range



0.90      0.96      1.02      1.08  
unitless

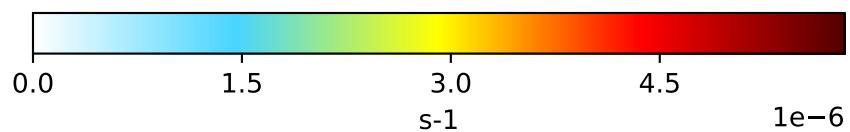
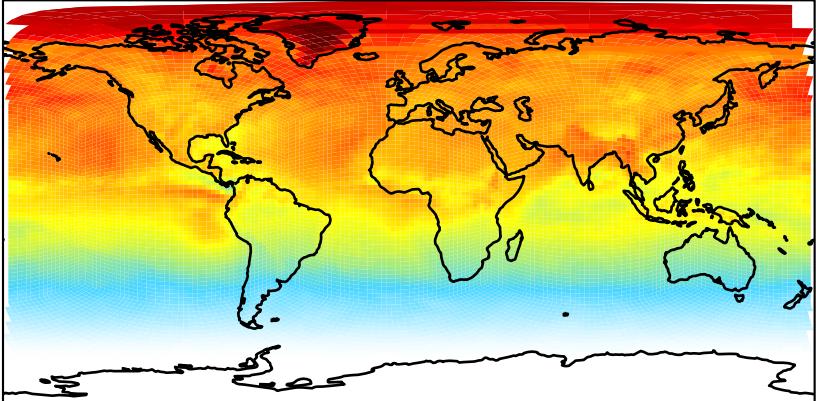
Ratio  
Dev/Ref, Fixed Range



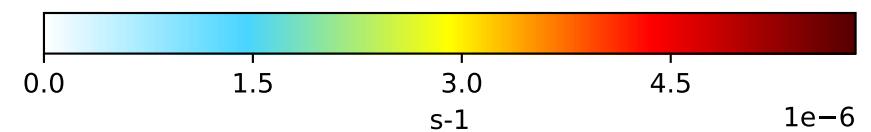
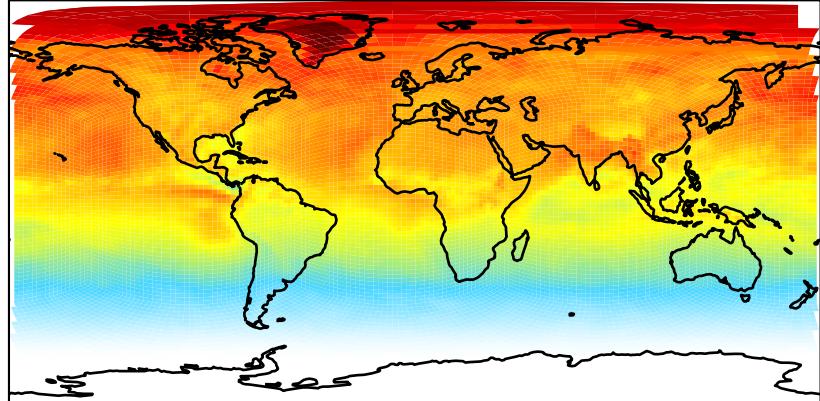
0.50      0.75      1.00      1.50      2.00  
unitless

# Jval\_IDHPE

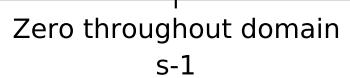
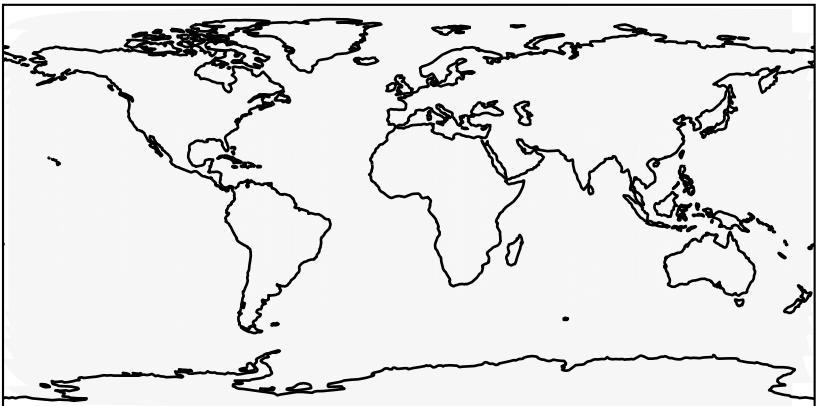
GCHP\_13.2.0-beta.0 (Ref)  
c48



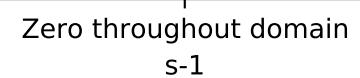
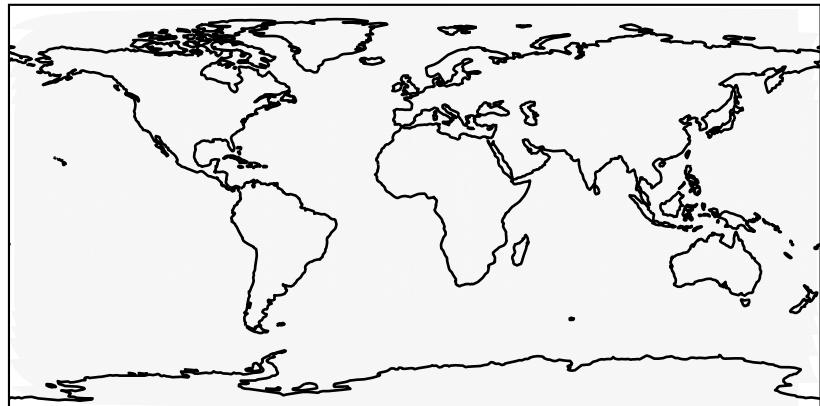
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



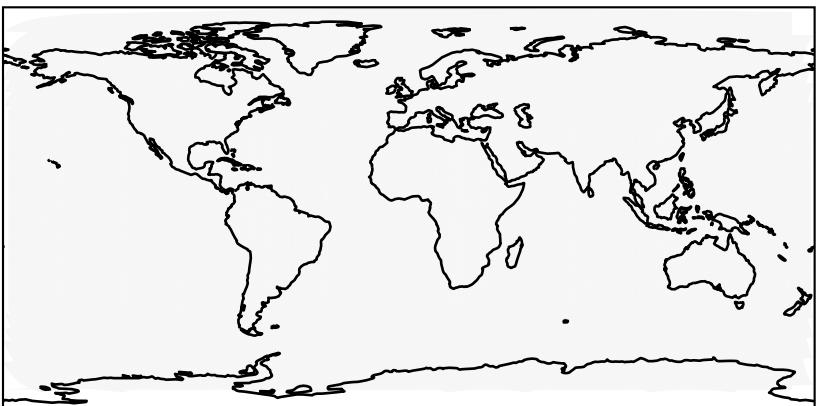
Difference  
Dev - Ref, Dynamic Range



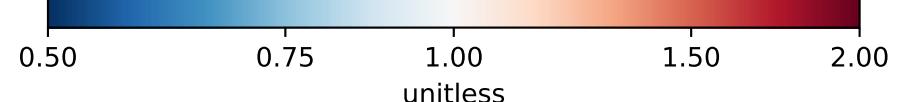
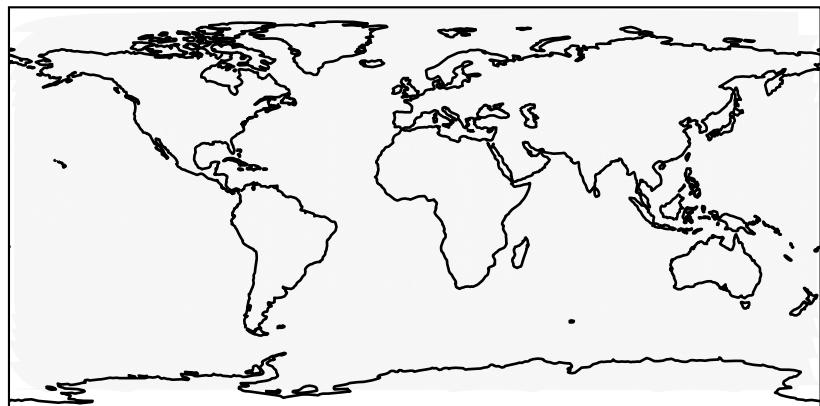
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

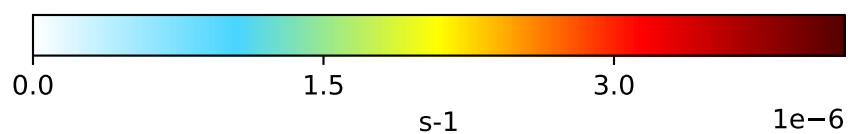
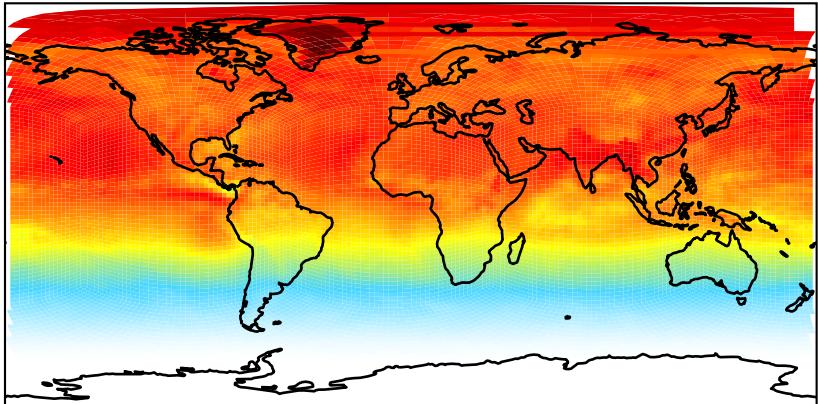


Ratio  
Dev/Ref, Fixed Range

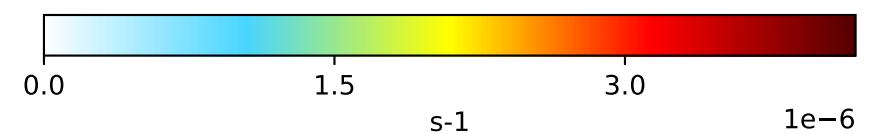
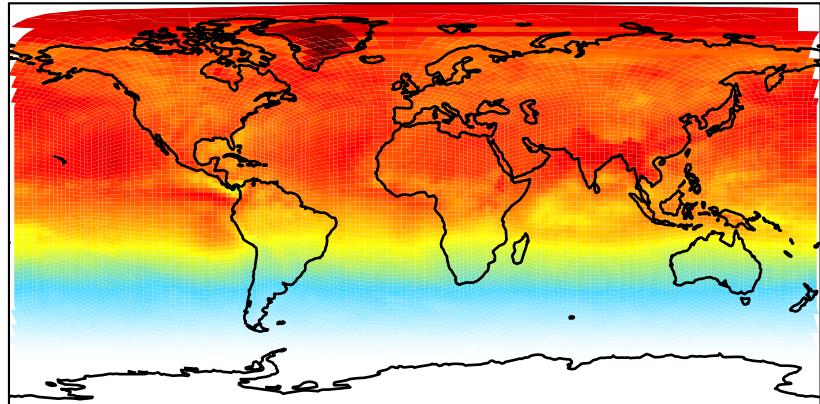


# Jval\_IDN

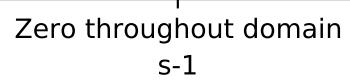
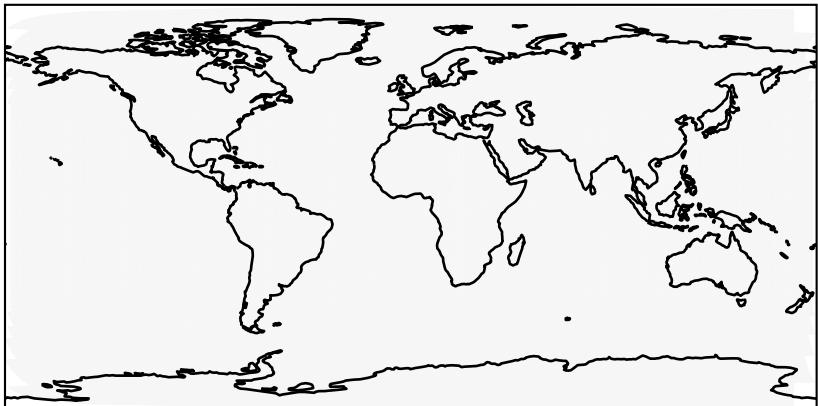
GCHP\_13.2.0-beta.0 (Ref)  
c48



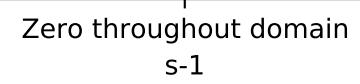
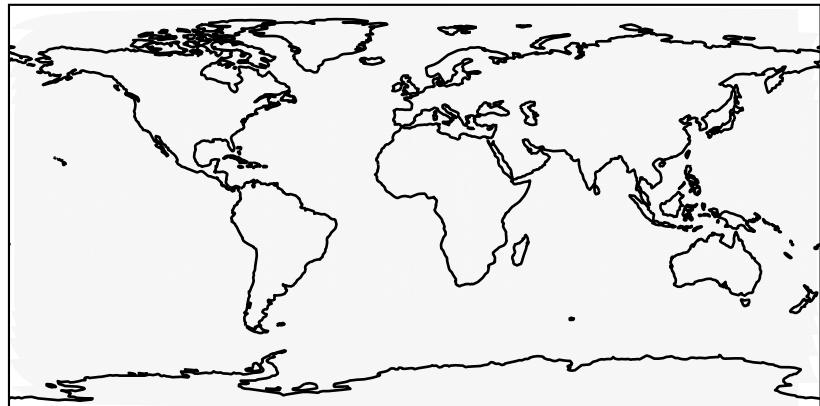
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



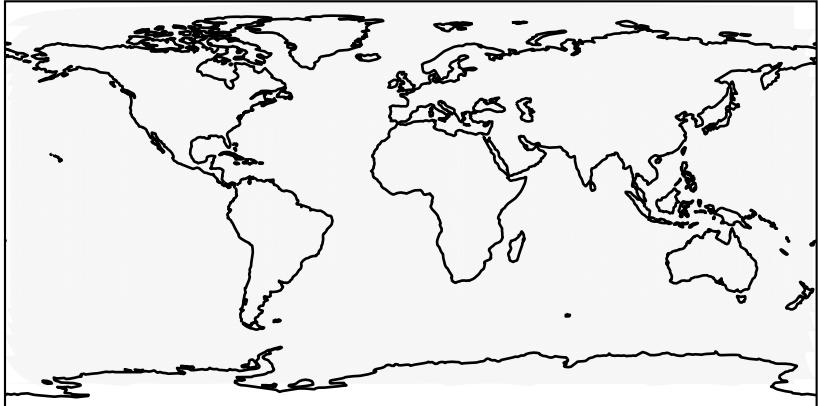
Difference  
Dev - Ref, Dynamic Range



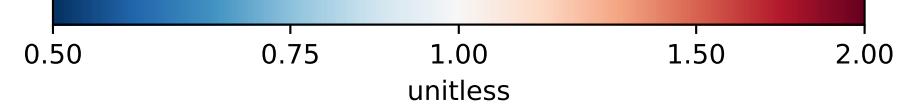
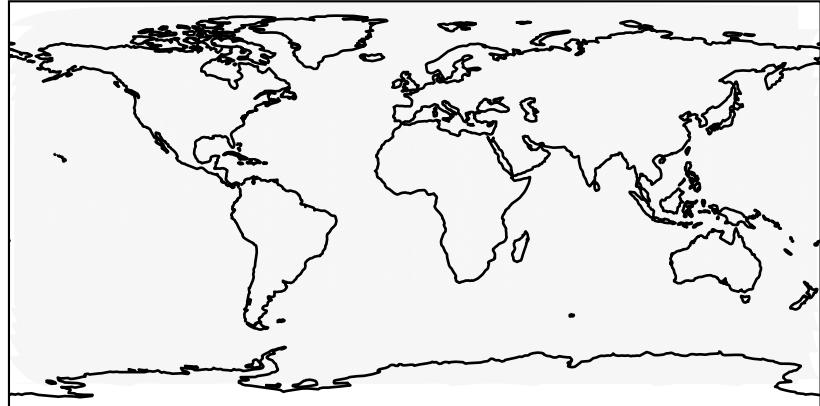
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

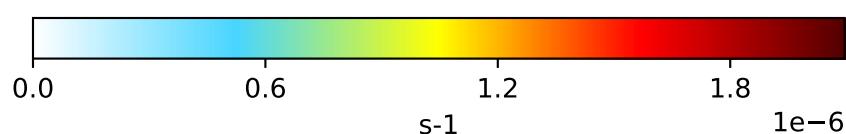
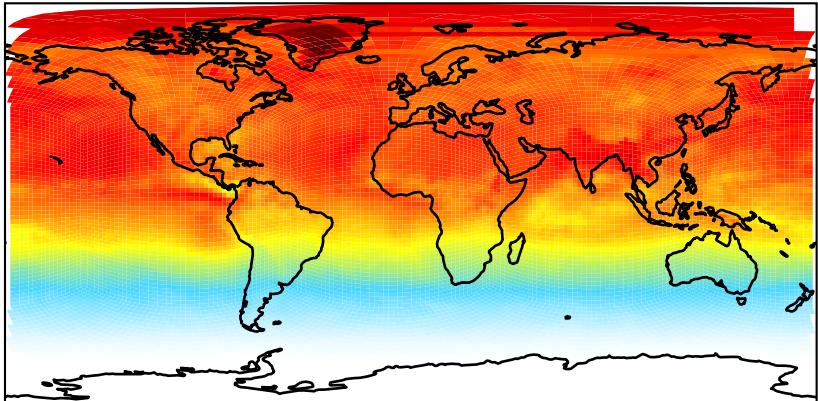


Ratio  
Dev/Ref, Fixed Range

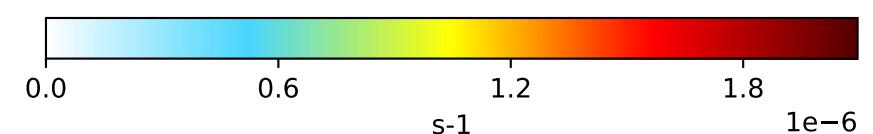
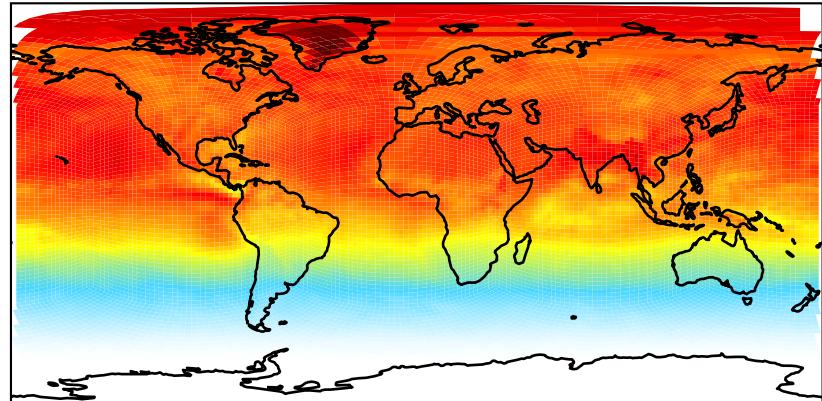


# Jval\_IHN1

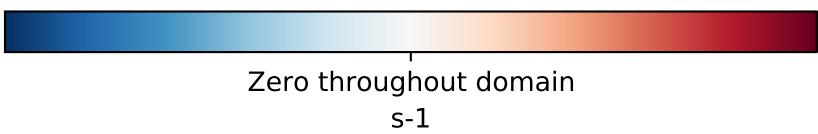
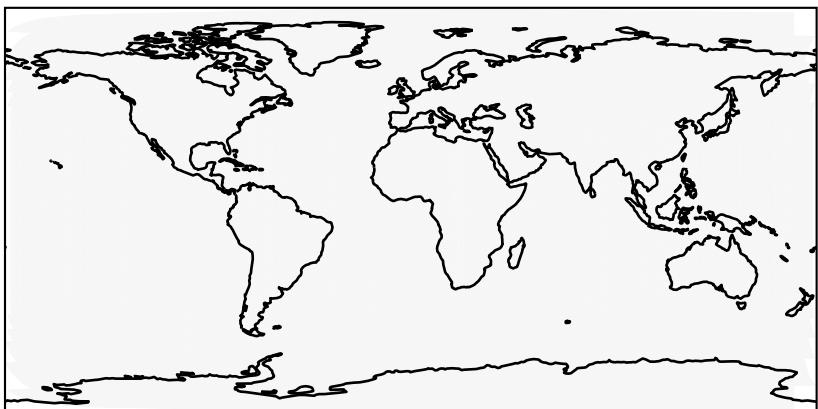
GCHP\_13.2.0-beta.0 (Ref)  
c48



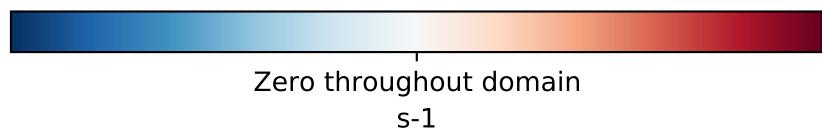
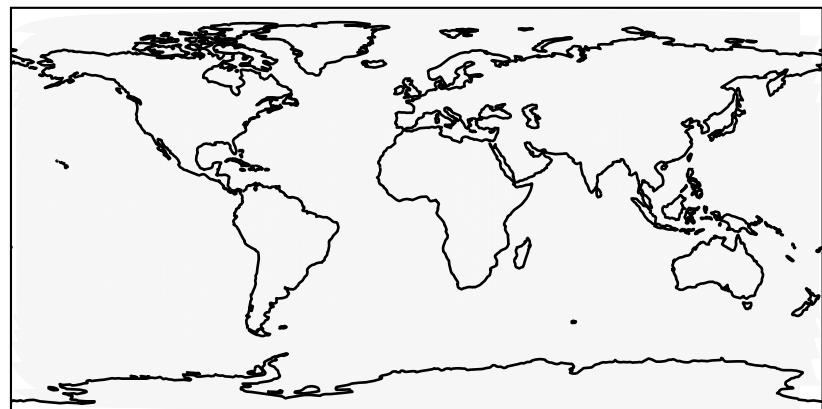
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



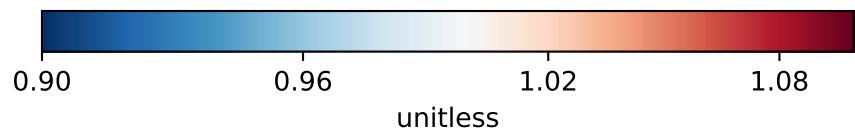
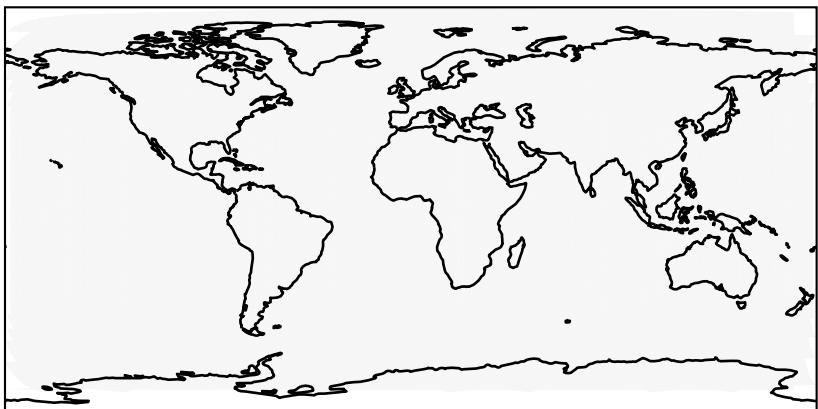
Difference  
Dev - Ref, Dynamic Range



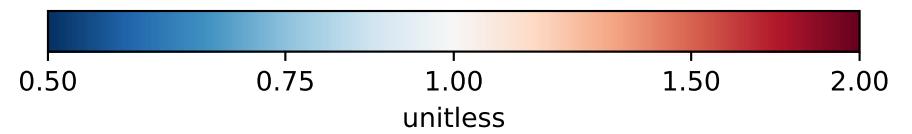
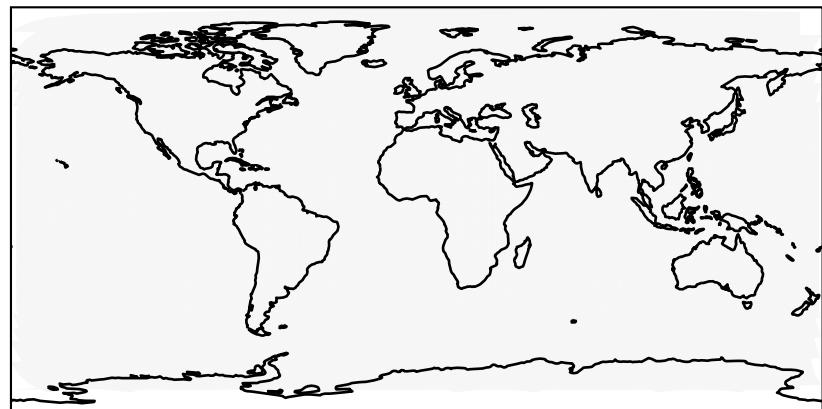
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

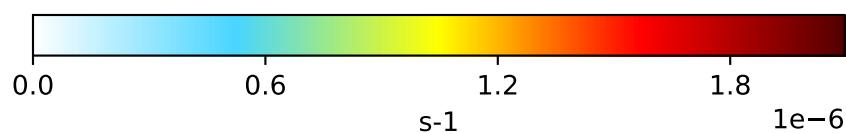
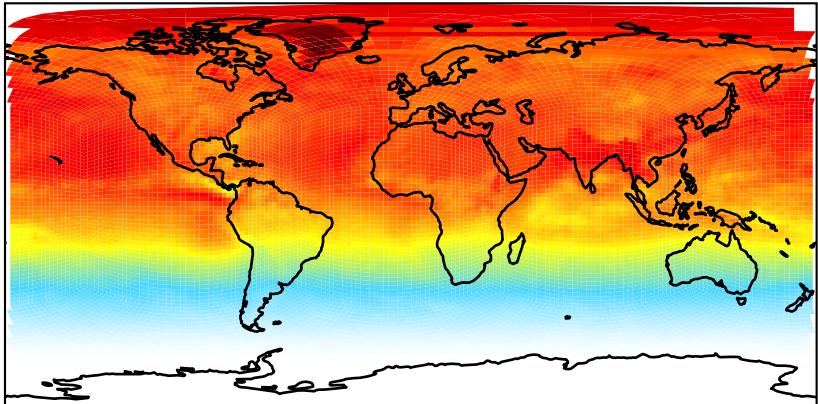


Ratio  
Dev/Ref, Fixed Range

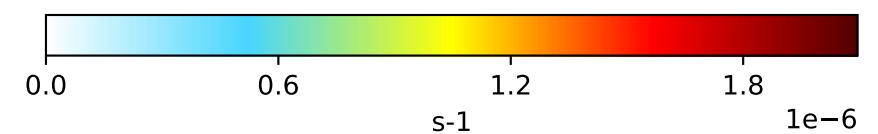
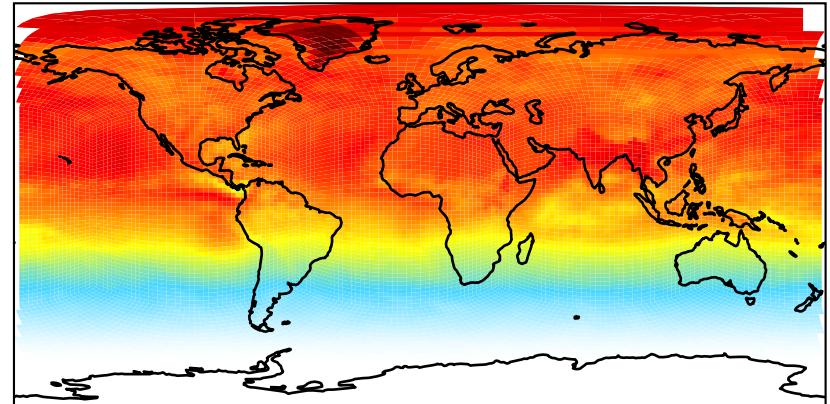


# Jval\_IHN2

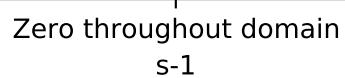
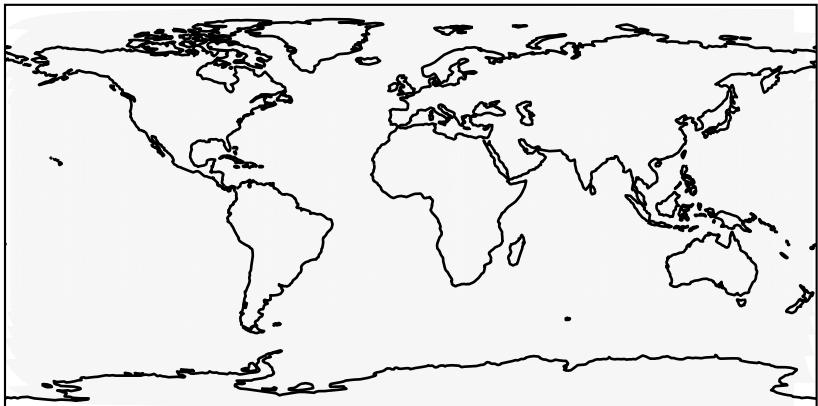
GCHP\_13.2.0-beta.0 (Ref)  
c48



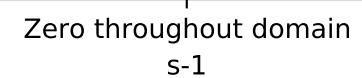
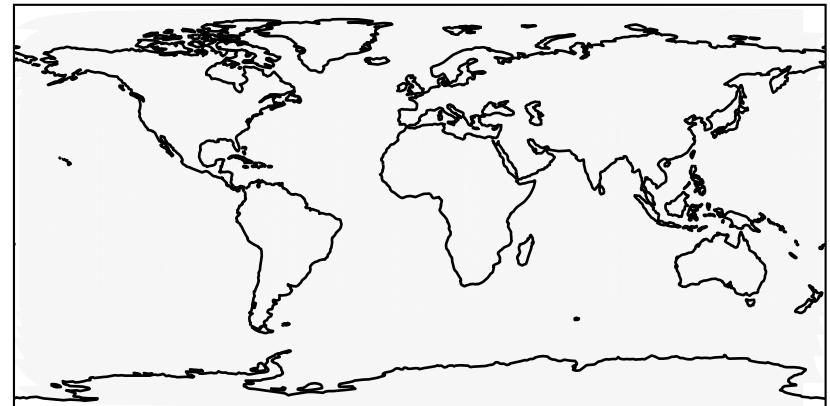
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



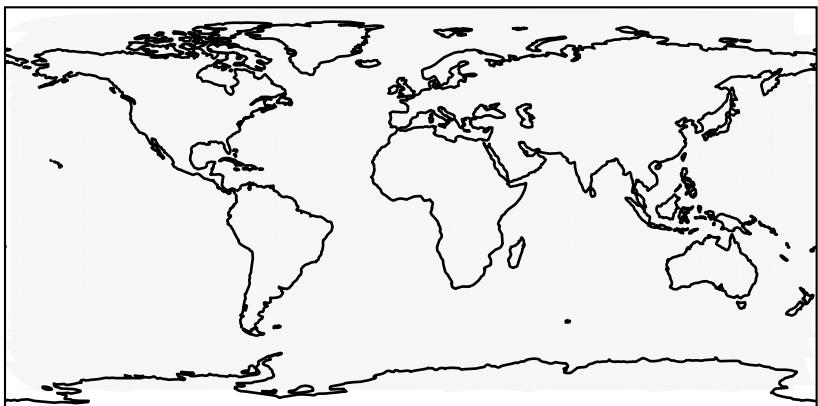
Difference  
Dev - Ref, Dynamic Range



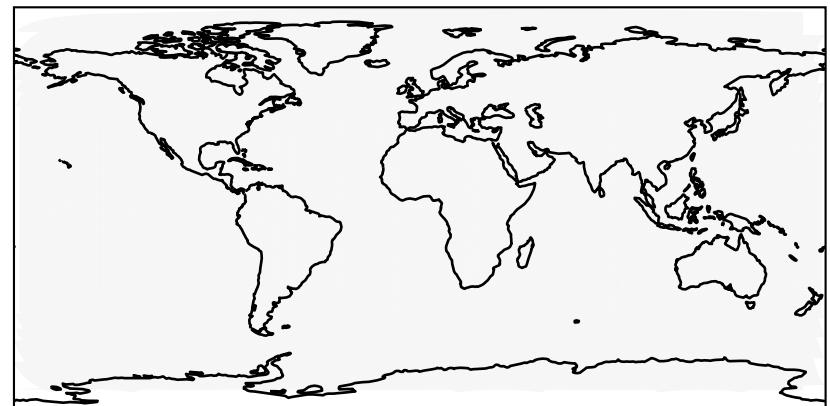
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

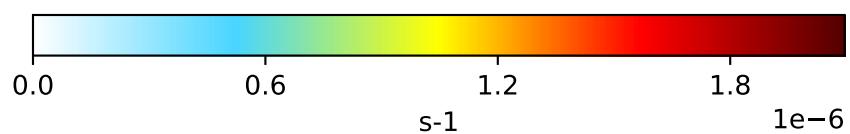
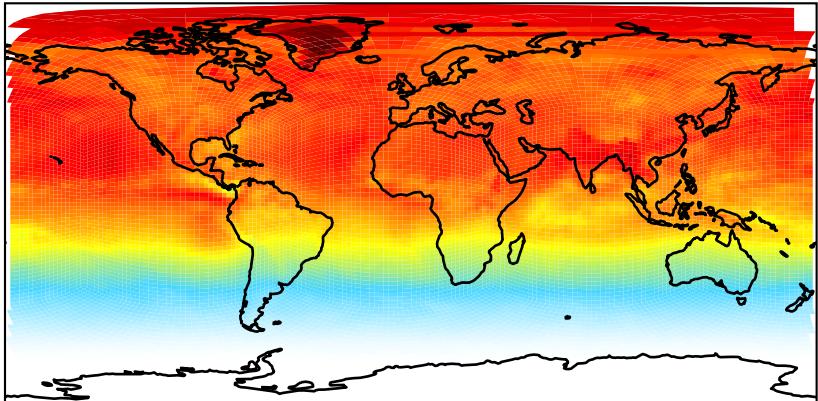


Ratio  
Dev/Ref, Fixed Range

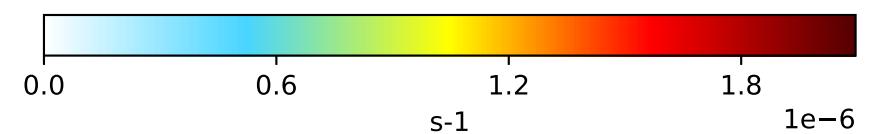
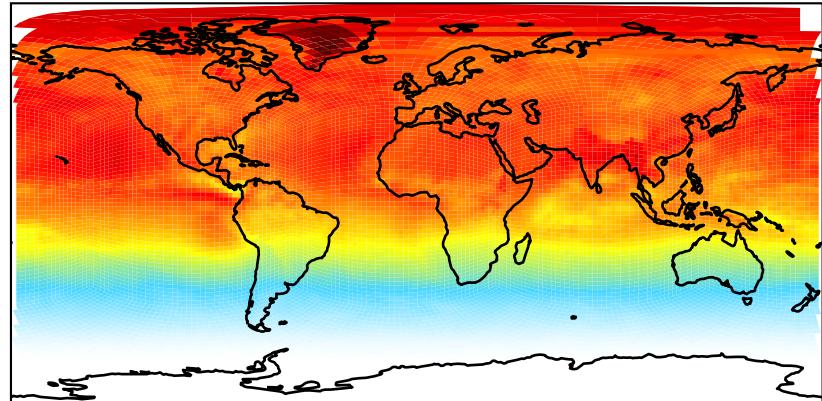


# Jval\_IHN3

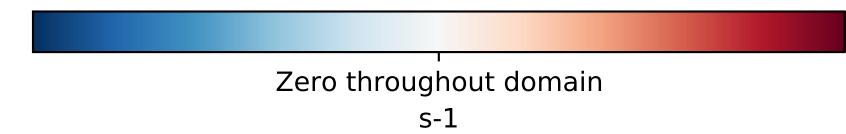
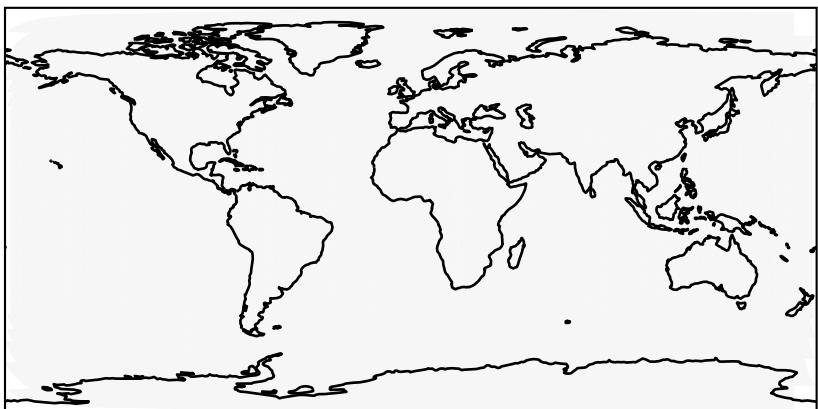
GCHP\_13.2.0-beta.0 (Ref)  
c48



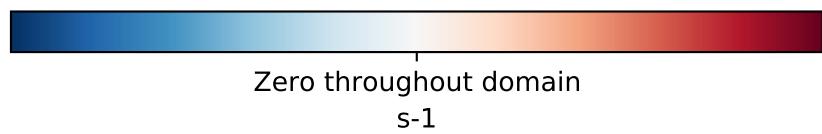
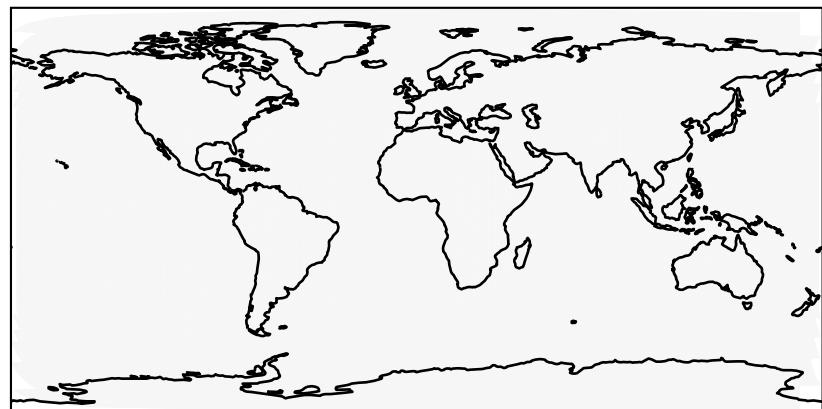
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



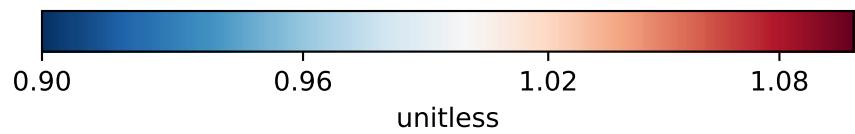
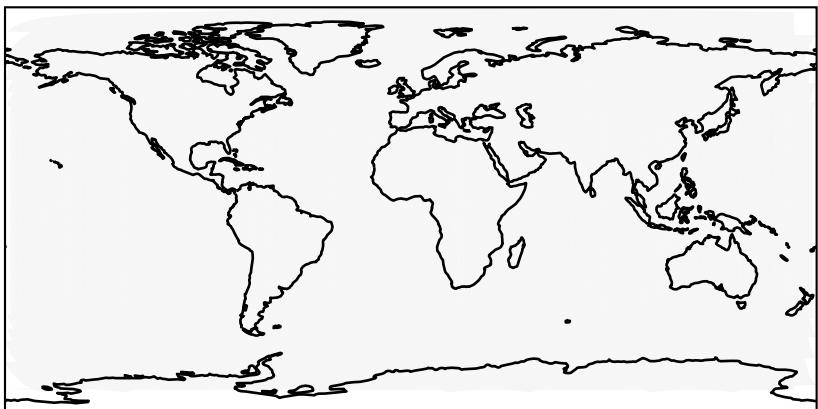
Difference  
Dev - Ref, Dynamic Range



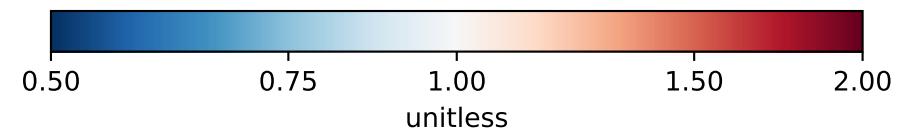
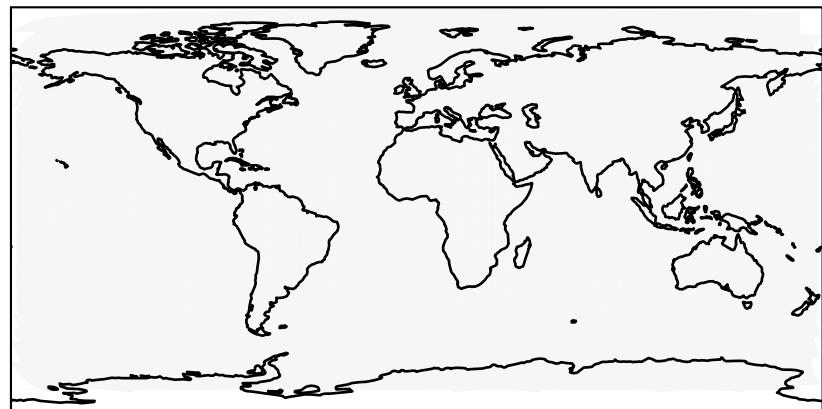
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

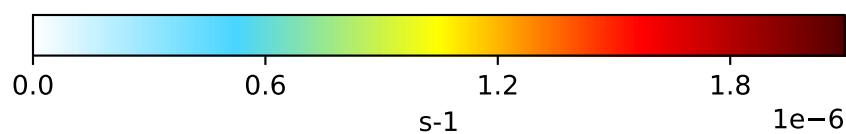
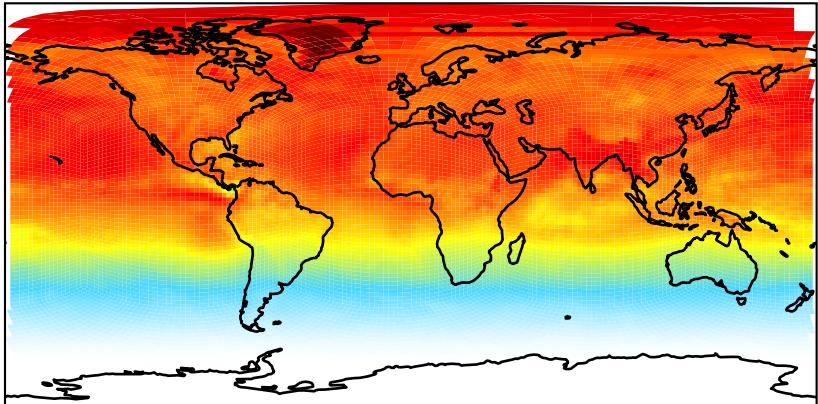


Ratio  
Dev/Ref, Fixed Range

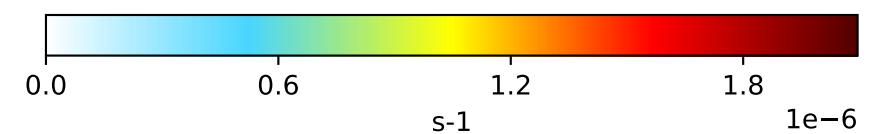
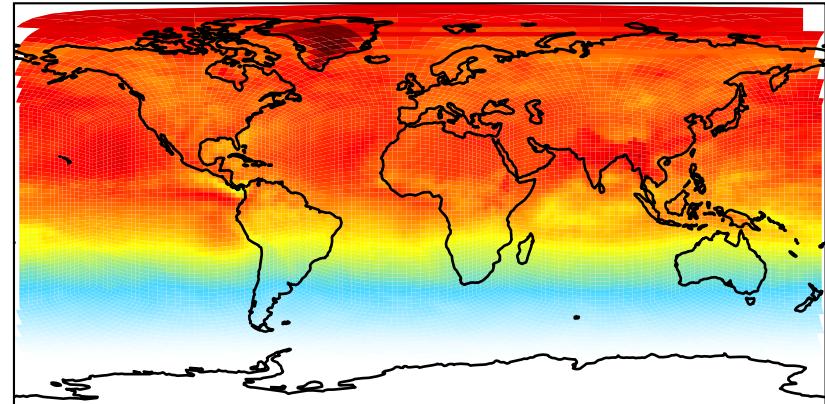


# Jval\_IHN4

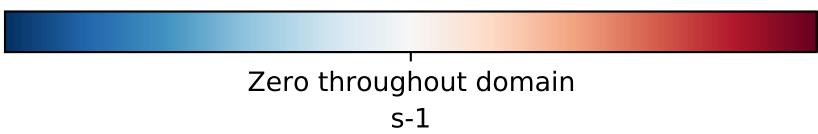
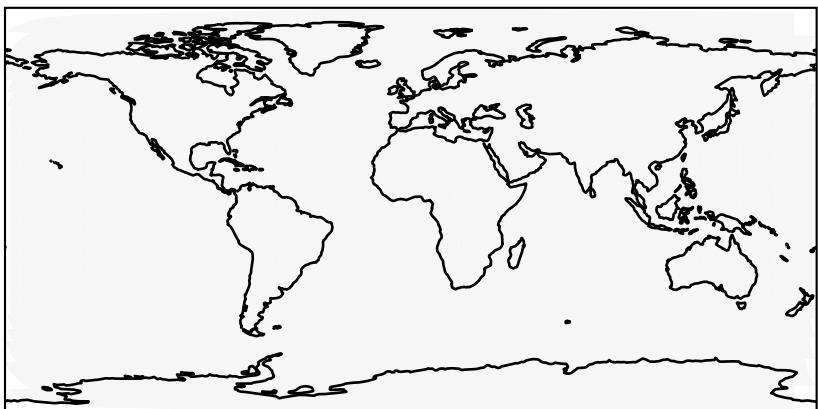
GCHP\_13.2.0-beta.0 (Ref)  
c48



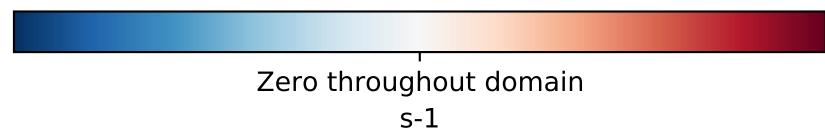
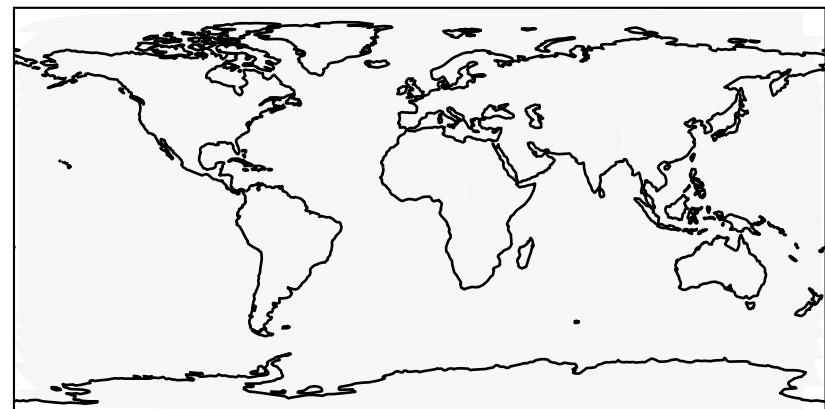
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



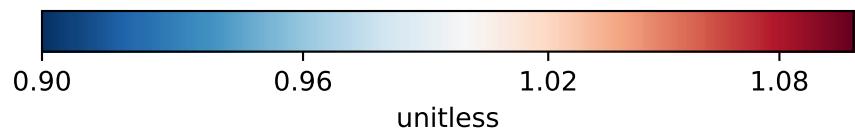
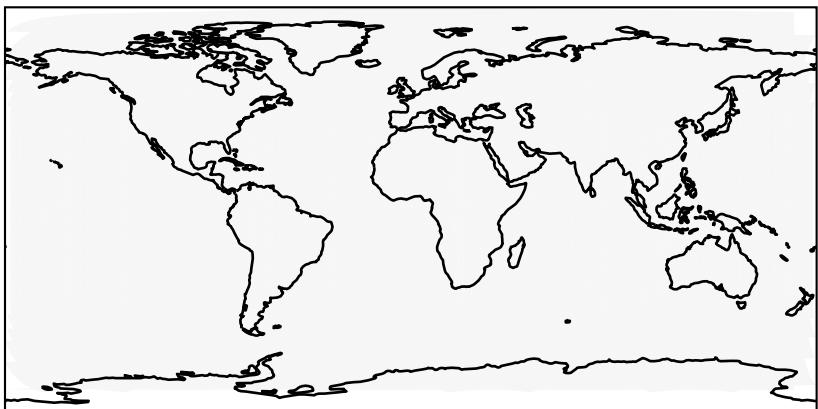
Difference  
Dev - Ref, Dynamic Range



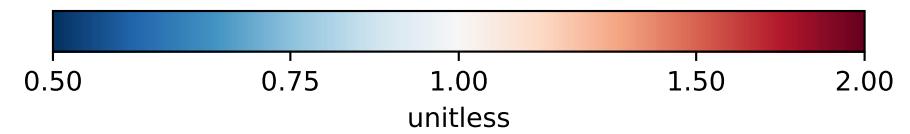
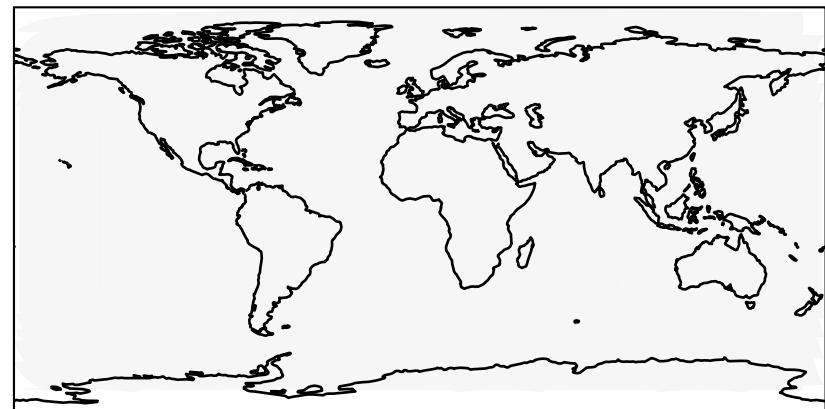
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

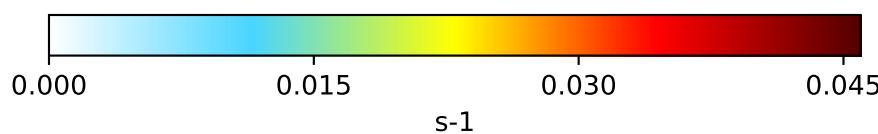
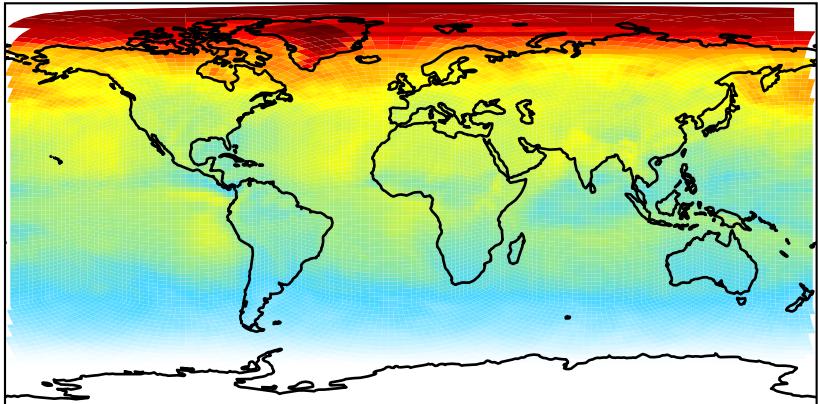


Ratio  
Dev/Ref, Fixed Range

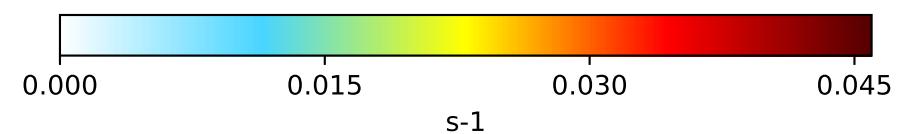
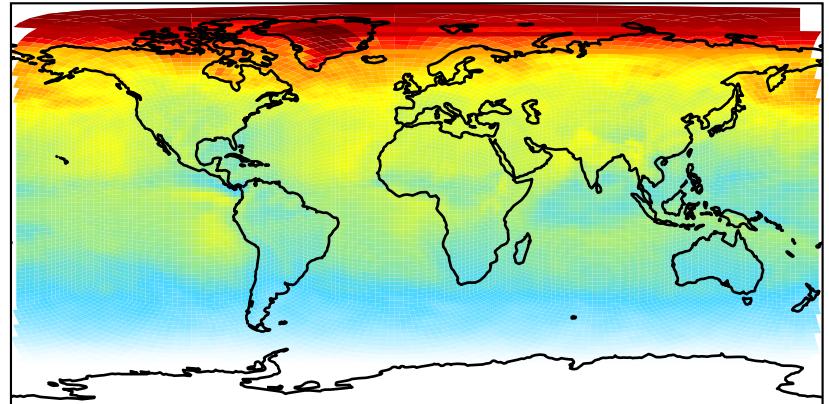


# Jval\_INO

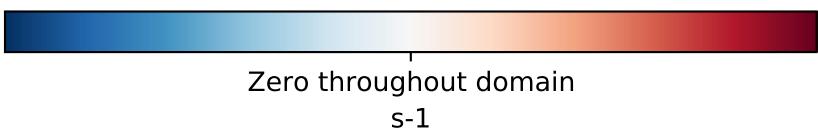
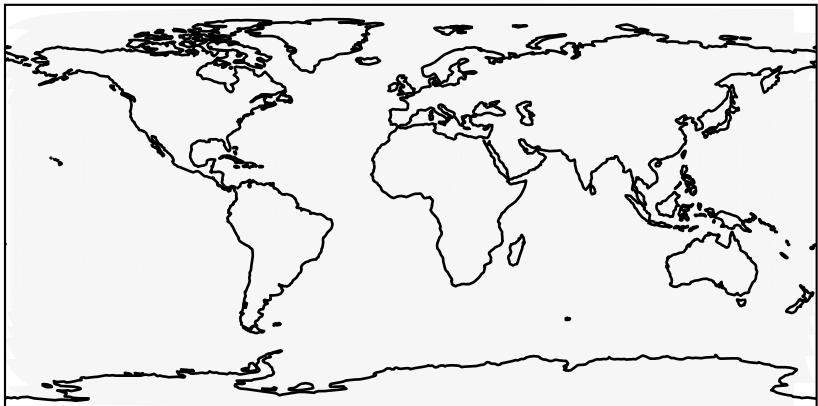
GCHP\_13.2.0-beta.0 (Ref)  
c48



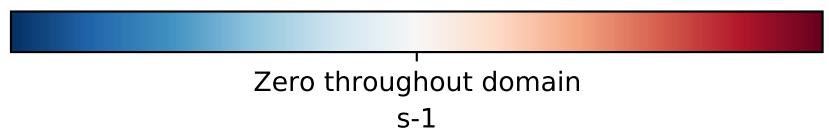
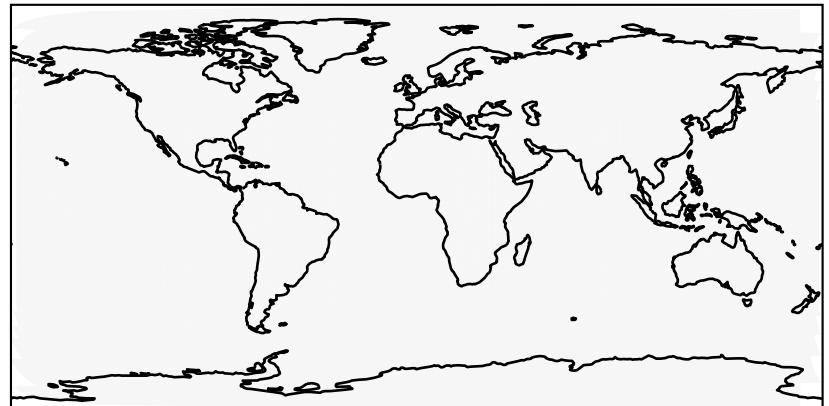
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



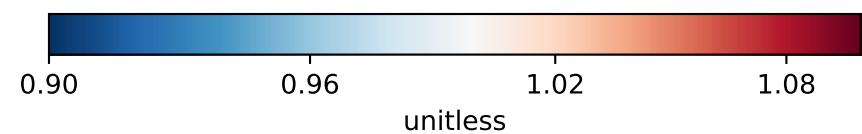
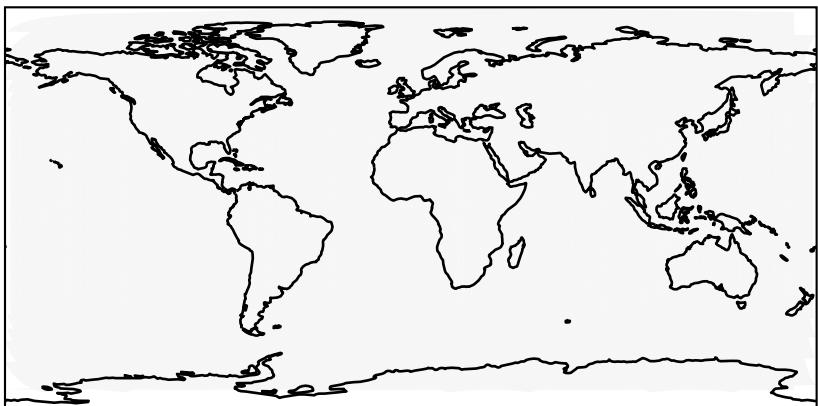
Difference  
Dev - Ref, Dynamic Range



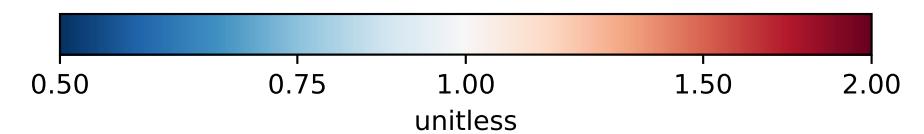
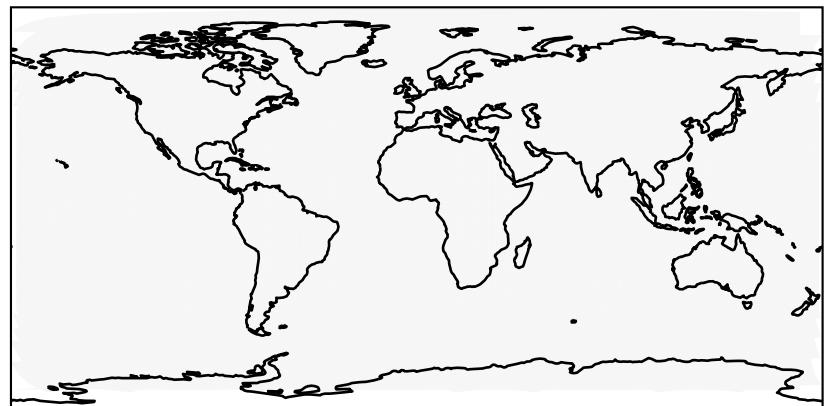
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

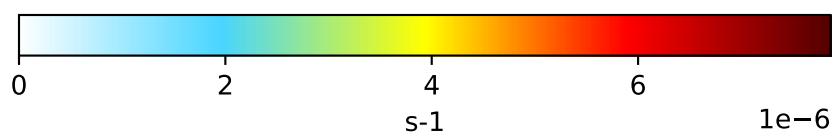
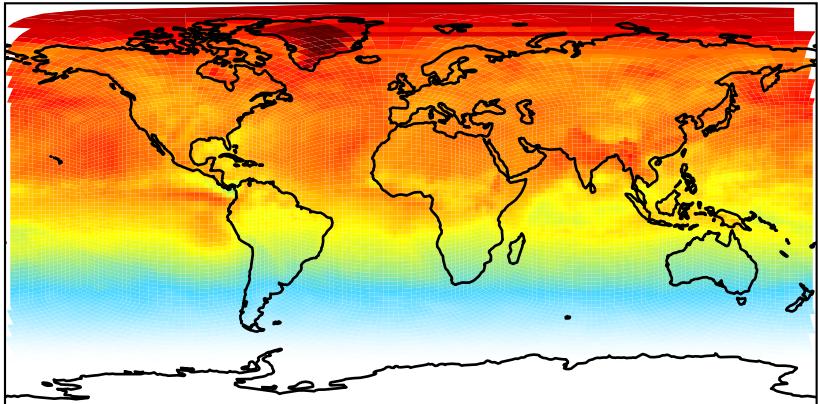


Ratio  
Dev/Ref, Fixed Range

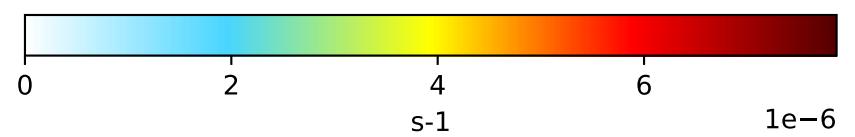
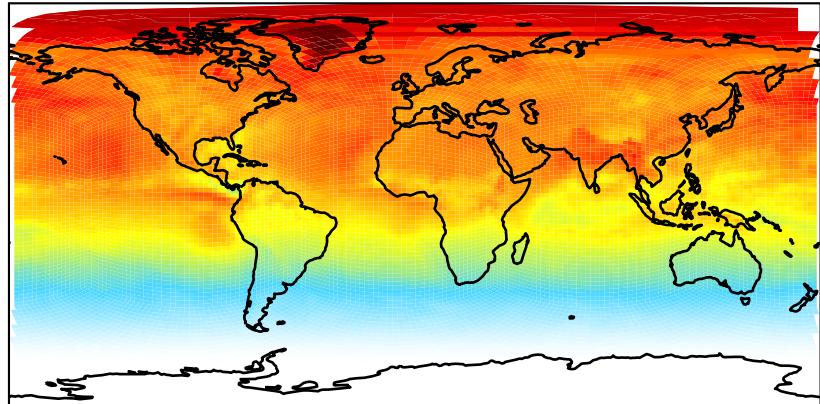


# Jval\_INPB

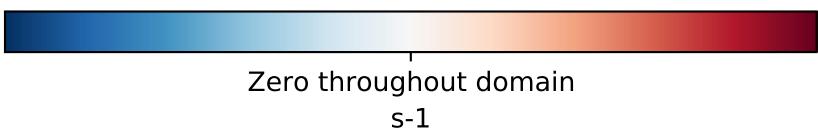
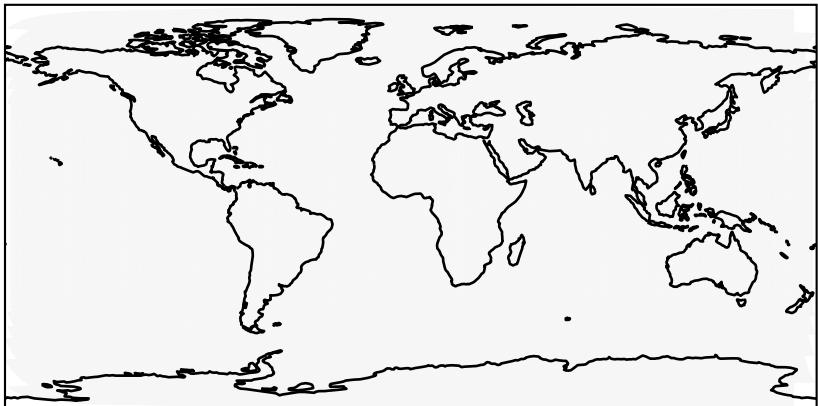
GCHP\_13.2.0-beta.0 (Ref)  
c48



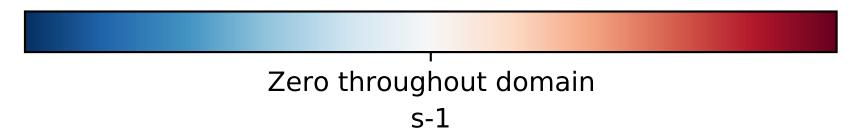
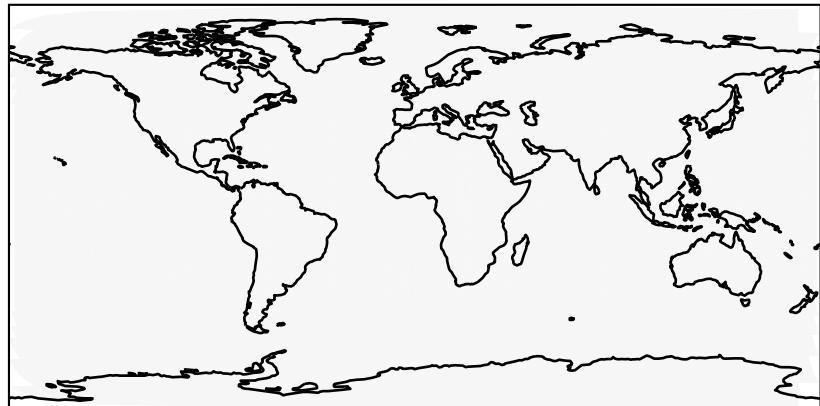
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



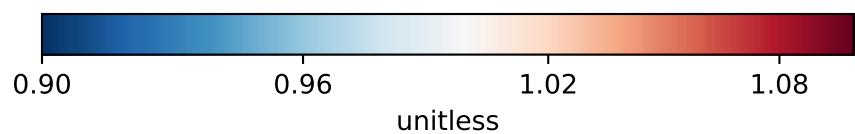
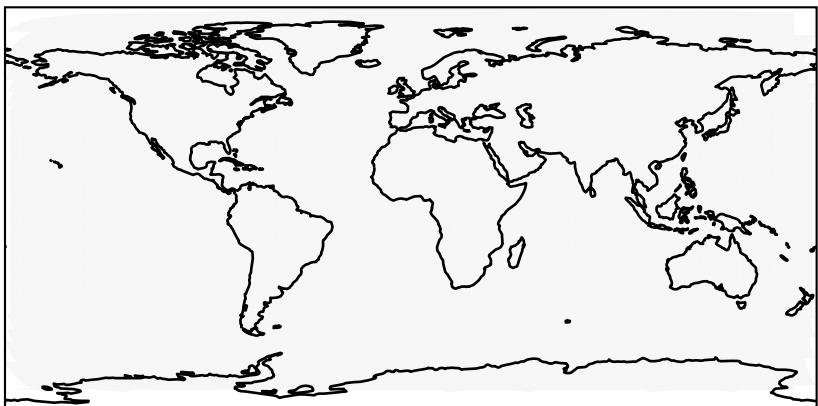
Difference  
Dev - Ref, Dynamic Range



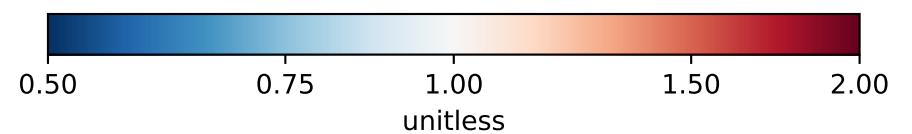
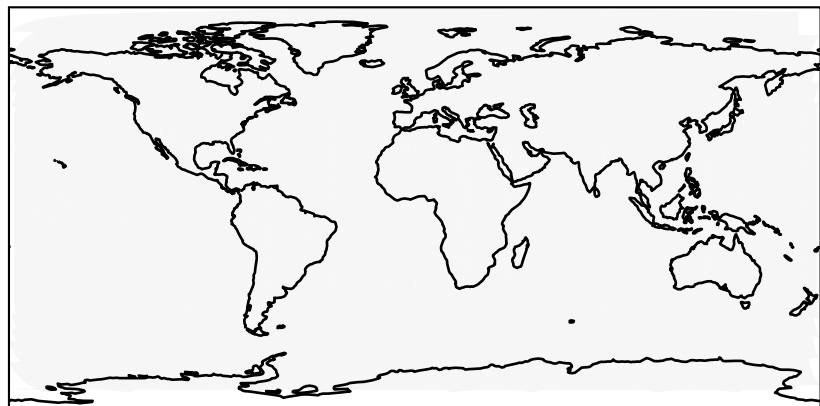
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

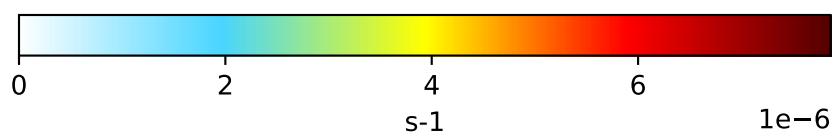
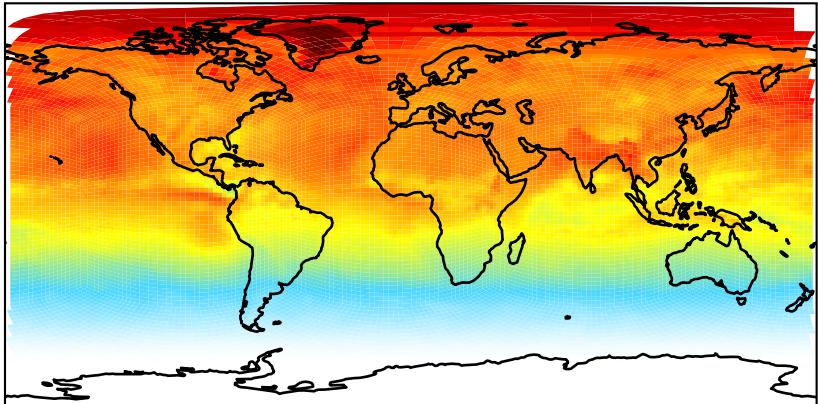


Ratio  
Dev/Ref, Fixed Range

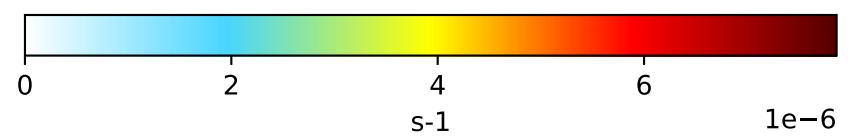
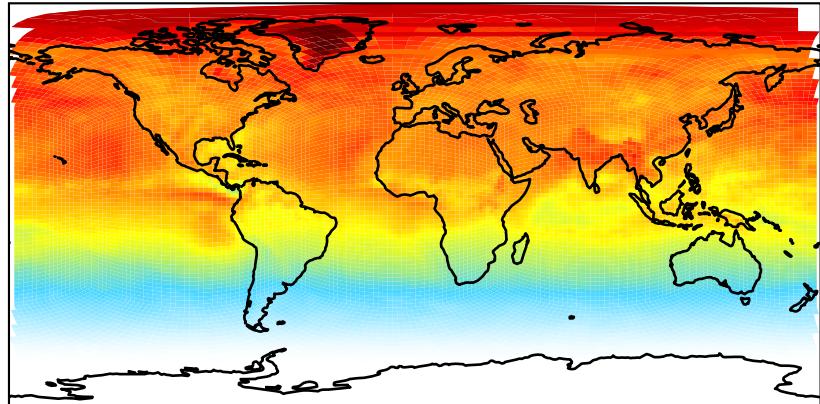


# Jval\_INPD

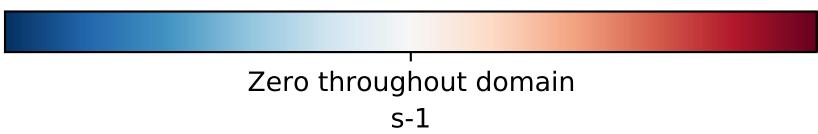
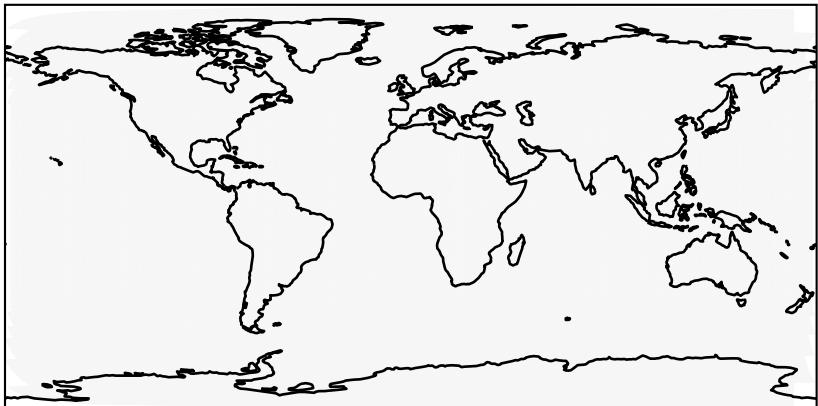
GCHP\_13.2.0-beta.0 (Ref)  
c48



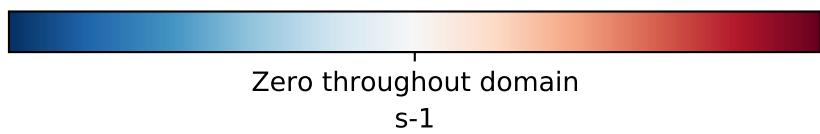
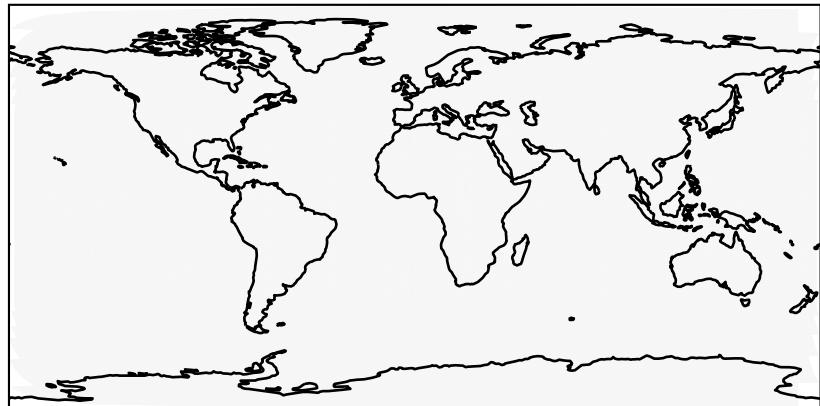
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



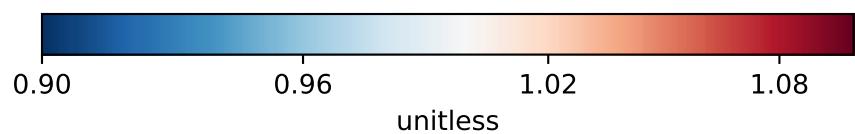
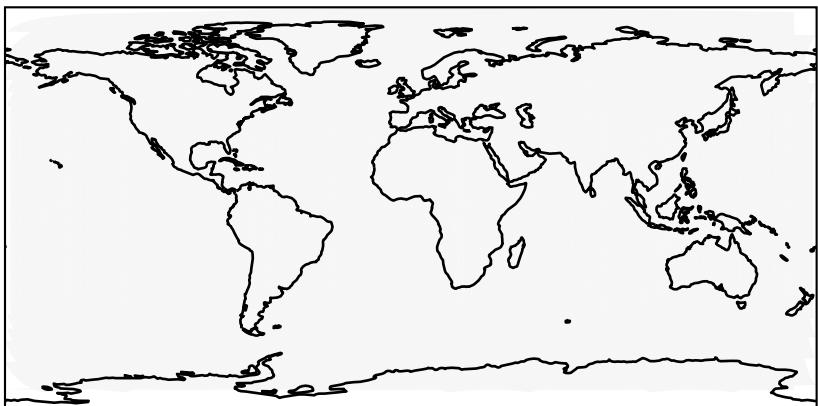
Difference  
Dev - Ref, Dynamic Range



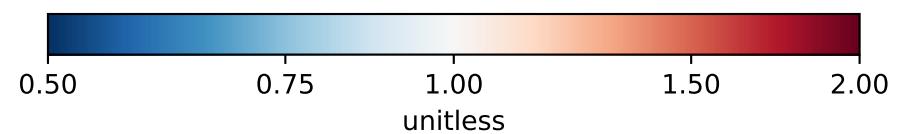
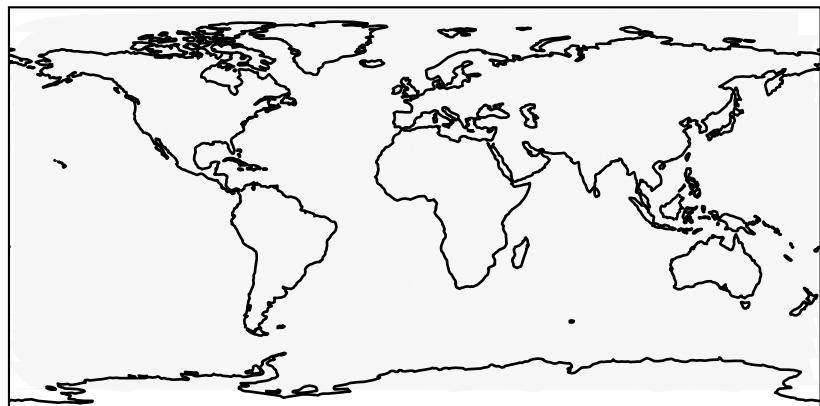
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

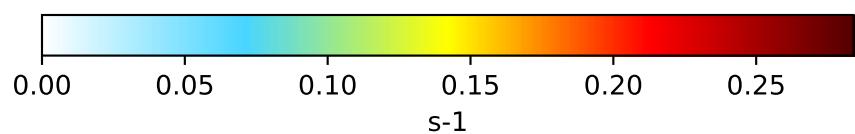
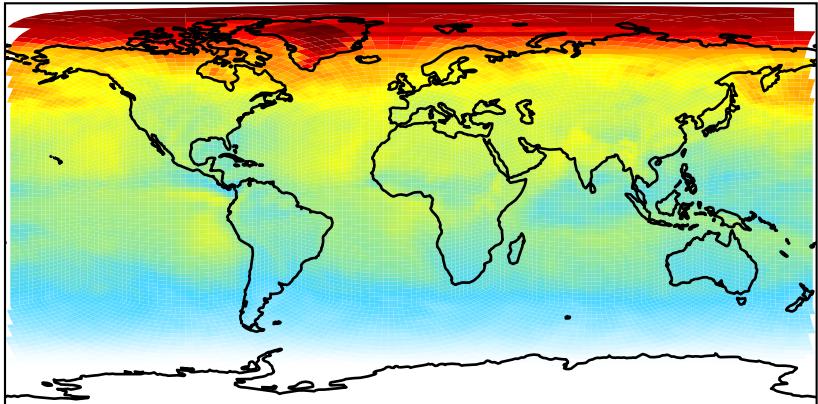


Ratio  
Dev/Ref, Fixed Range

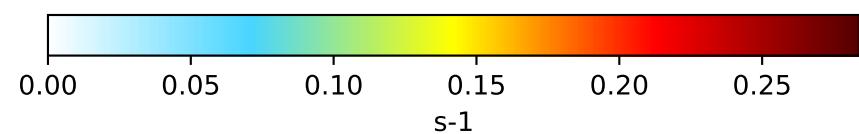
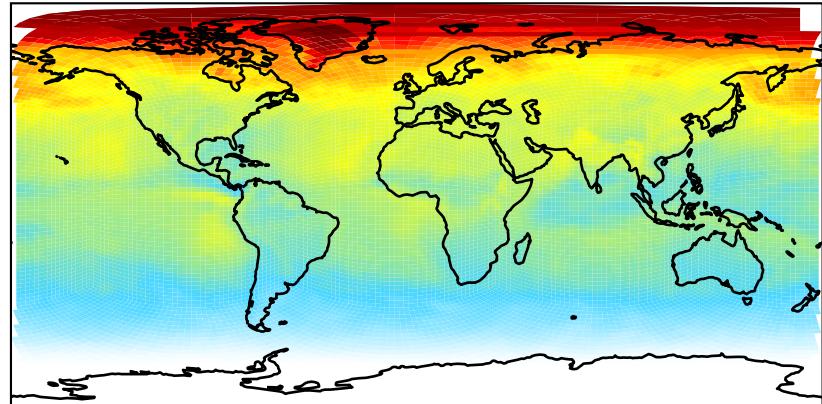


# Jval\_IO

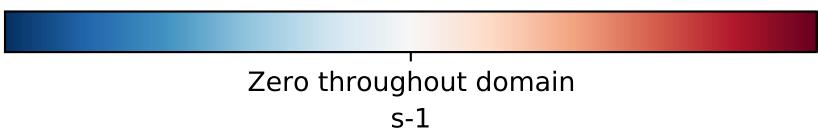
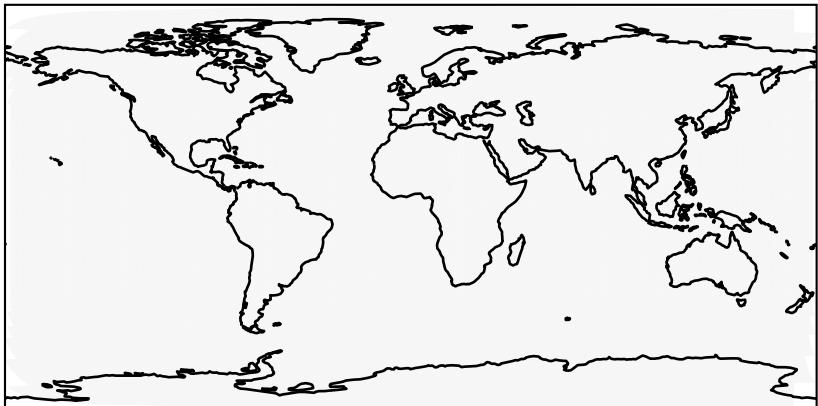
GCHP\_13.2.0-beta.0 (Ref)  
c48



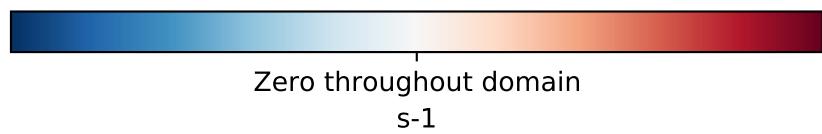
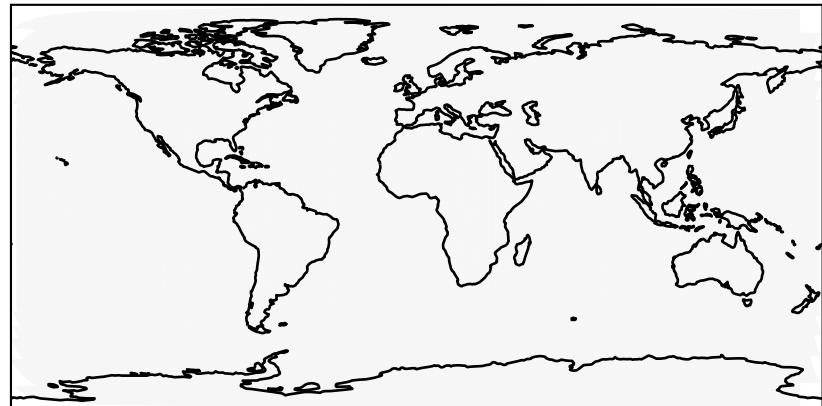
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



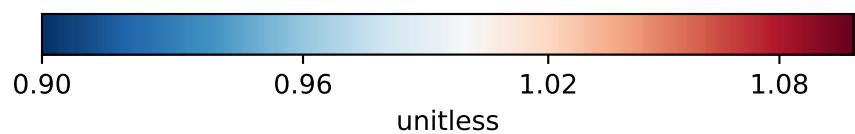
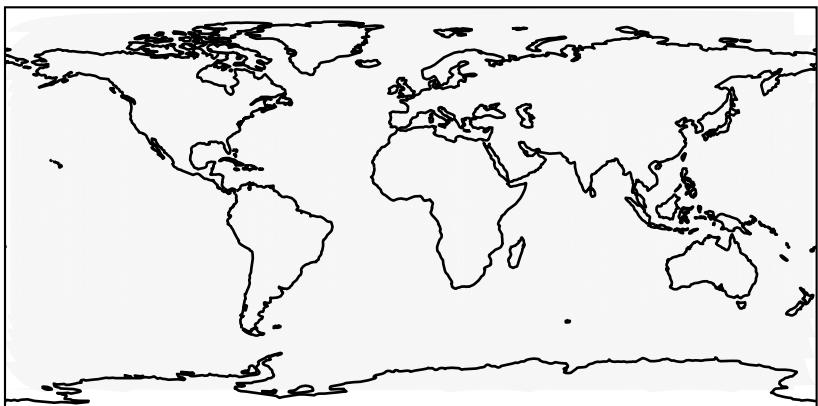
Difference  
Dev - Ref, Dynamic Range



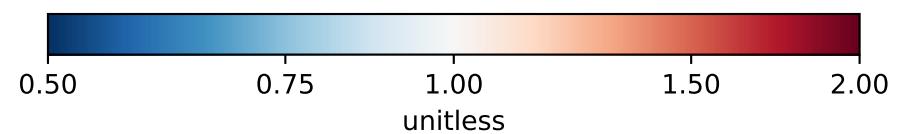
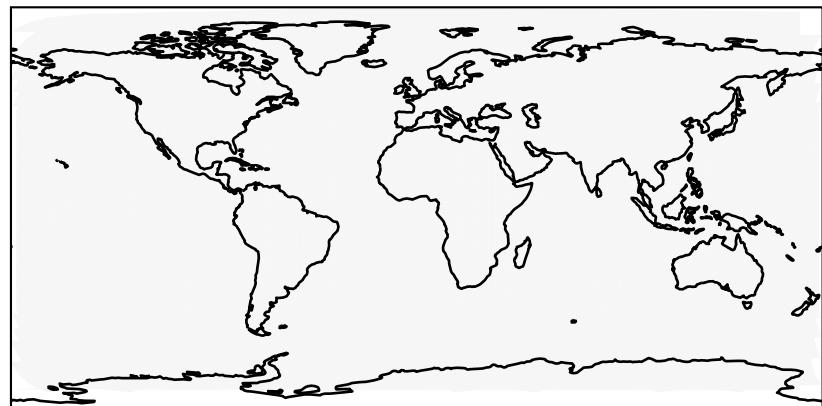
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

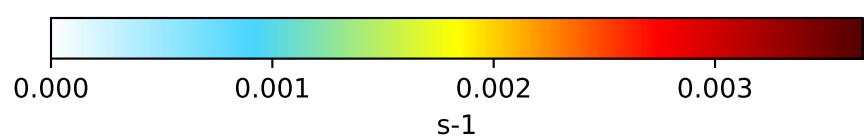
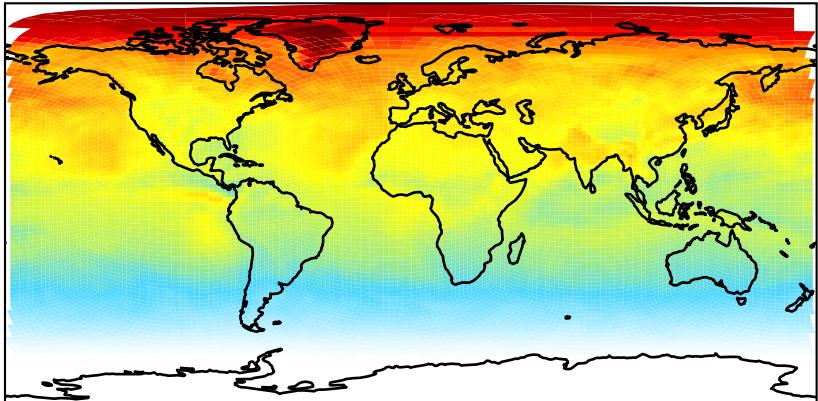


Ratio  
Dev/Ref, Fixed Range

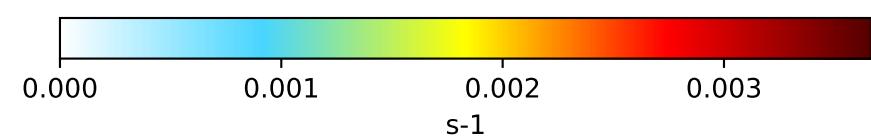
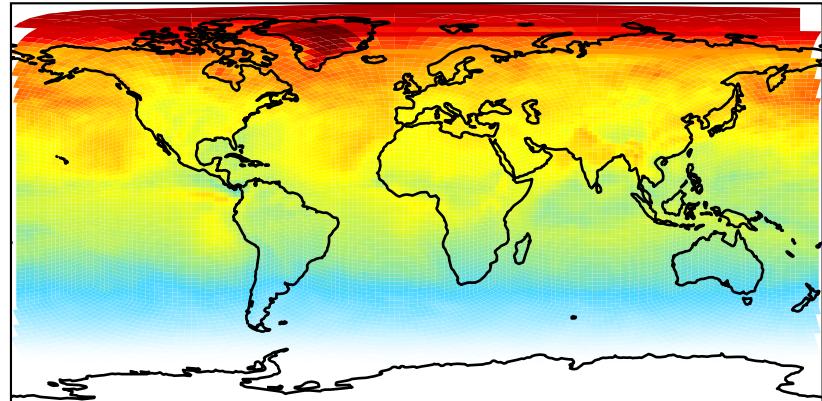


# Jval\_IONO

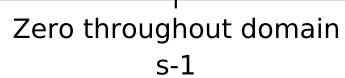
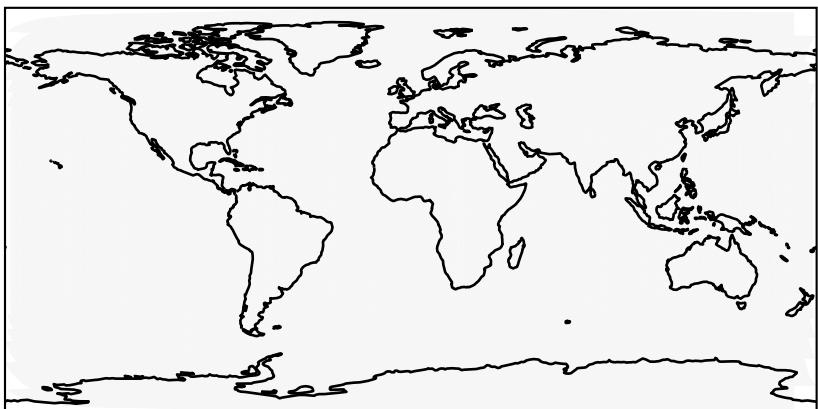
GCHP\_13.2.0-beta.0 (Ref)  
c48



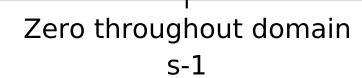
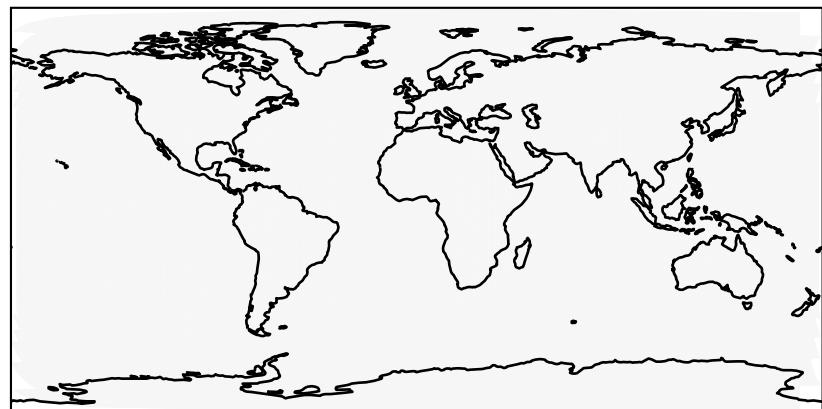
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



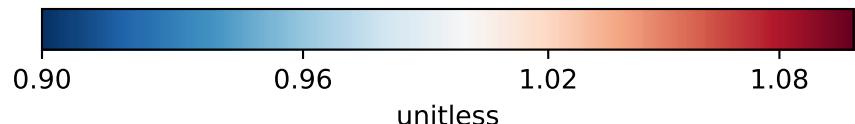
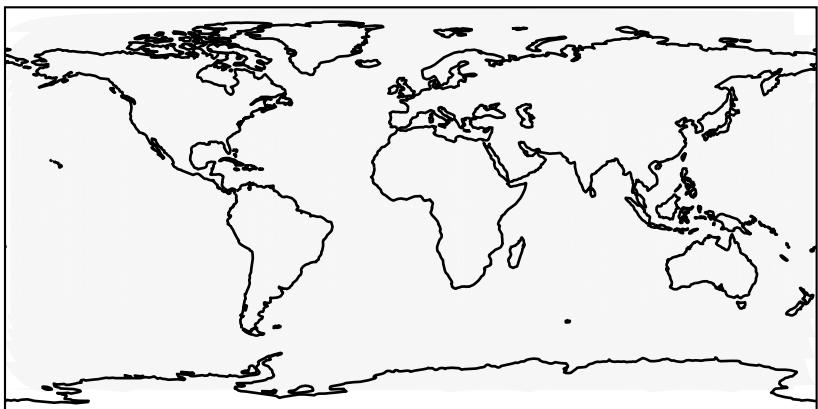
Difference  
Dev - Ref, Dynamic Range



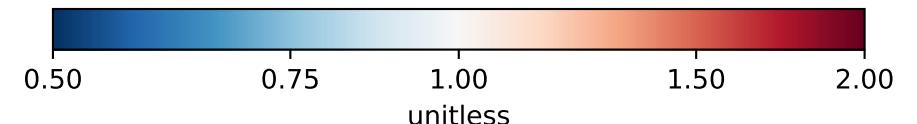
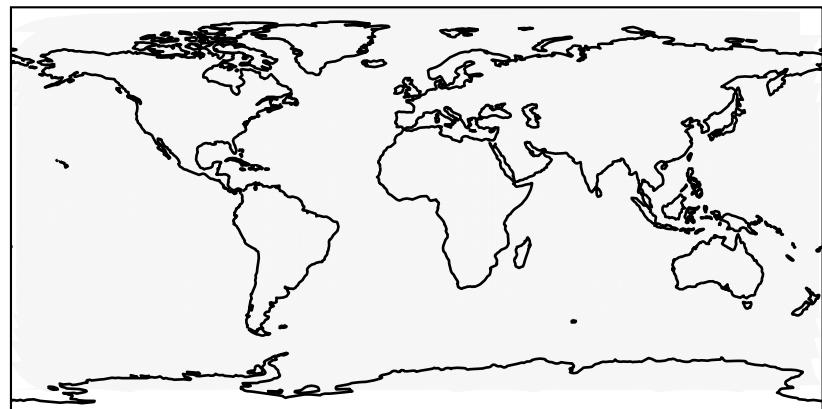
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

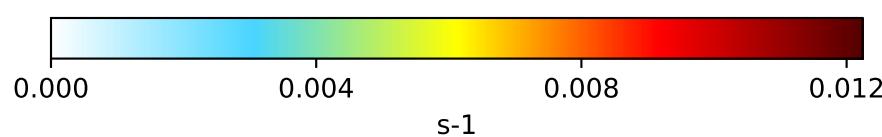
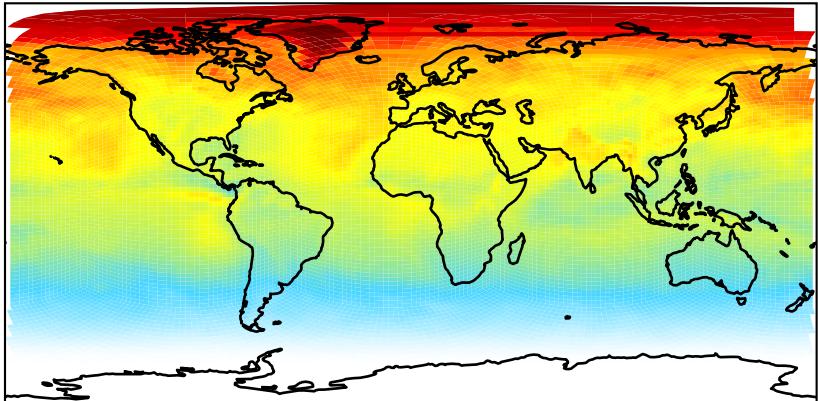


Ratio  
Dev/Ref, Fixed Range

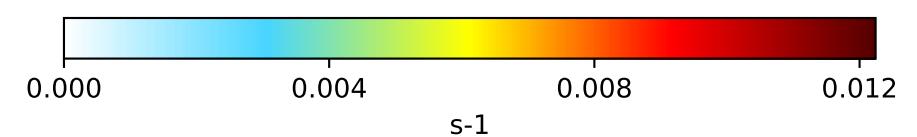
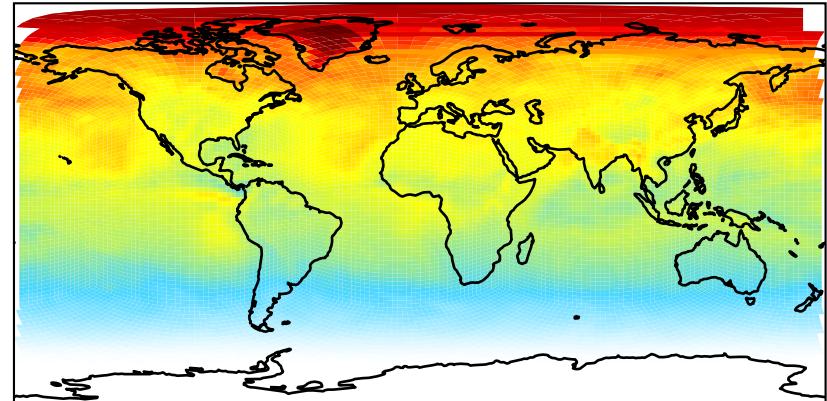


# Jval\_IONO2

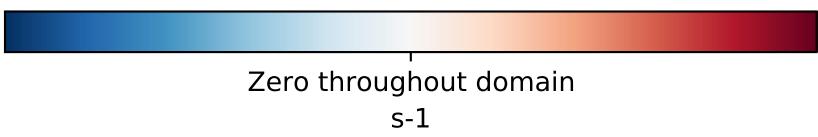
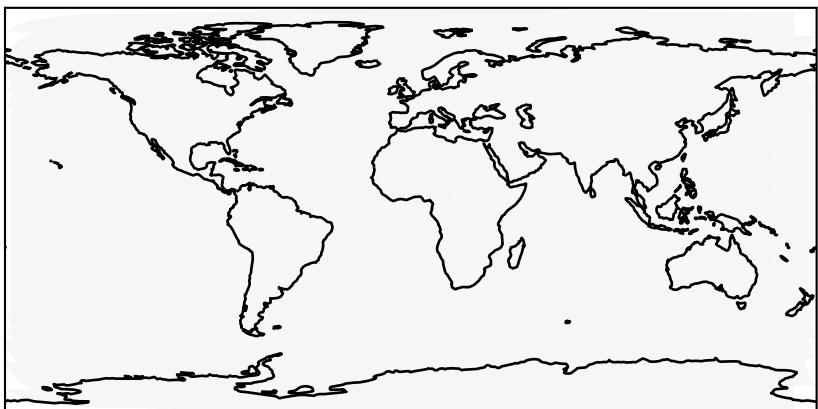
GCHP\_13.2.0-beta.0 (Ref)  
c48



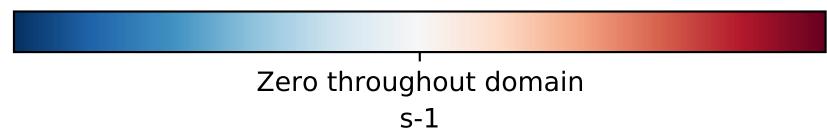
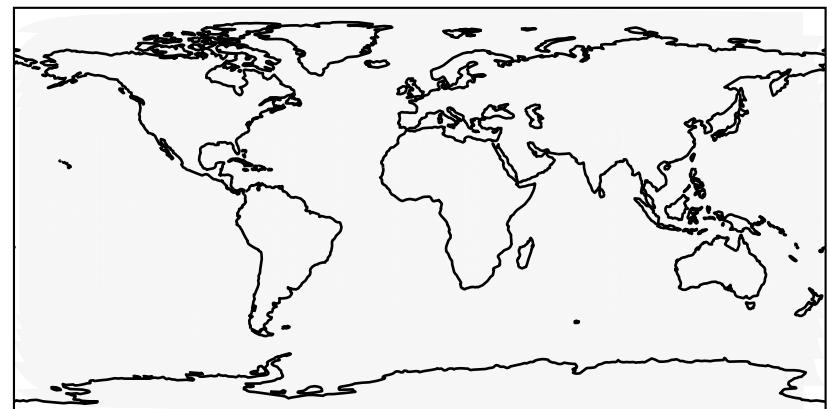
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



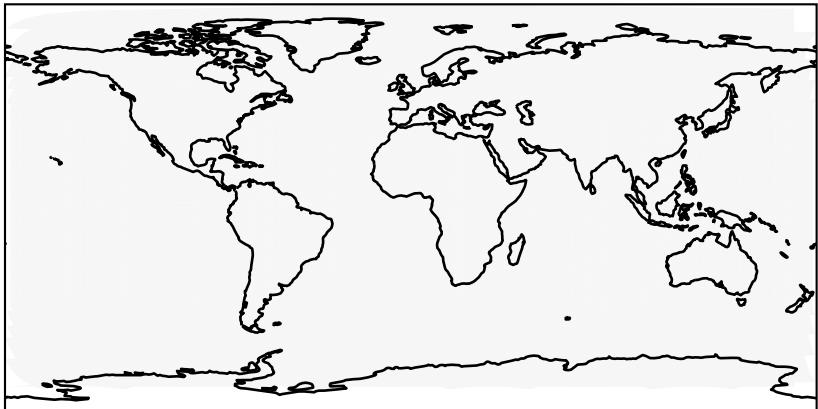
Difference  
Dev - Ref, Dynamic Range



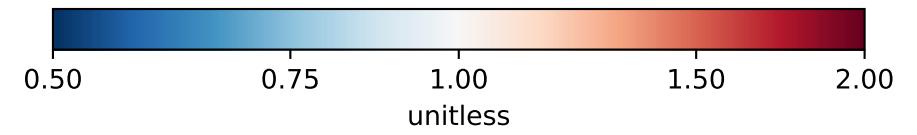
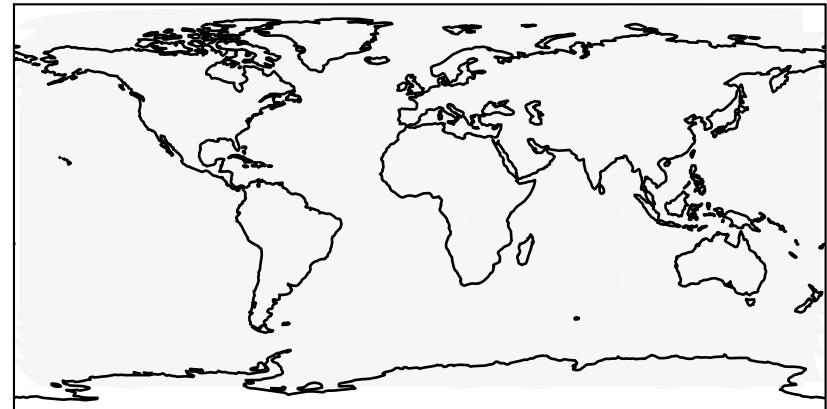
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

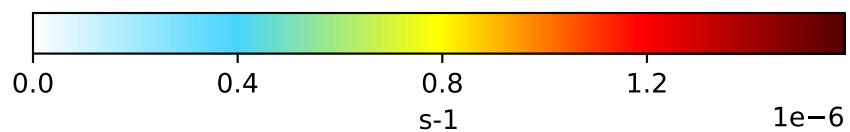
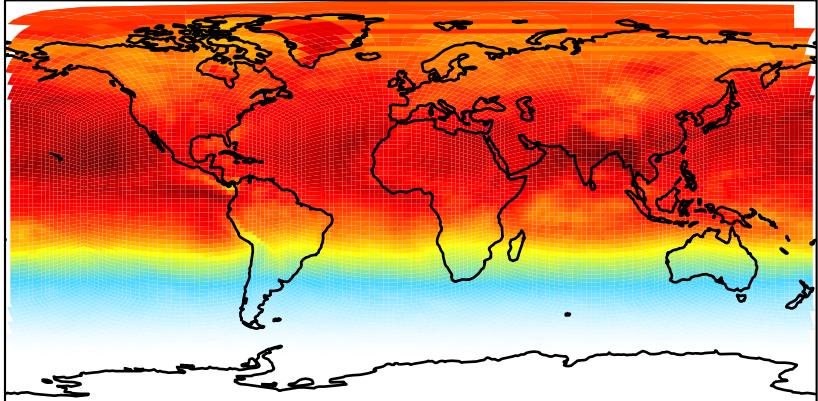


Ratio  
Dev/Ref, Fixed Range

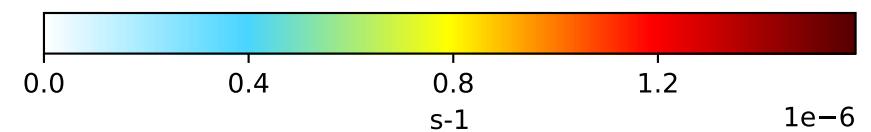
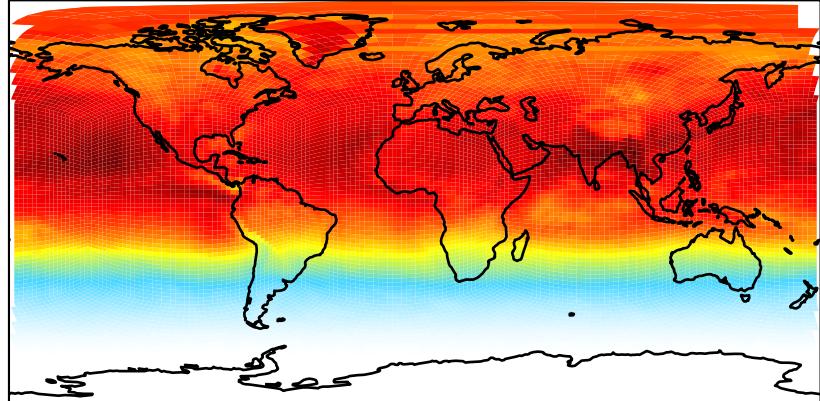


# Jval\_IPRNO3

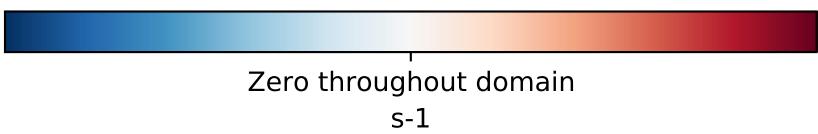
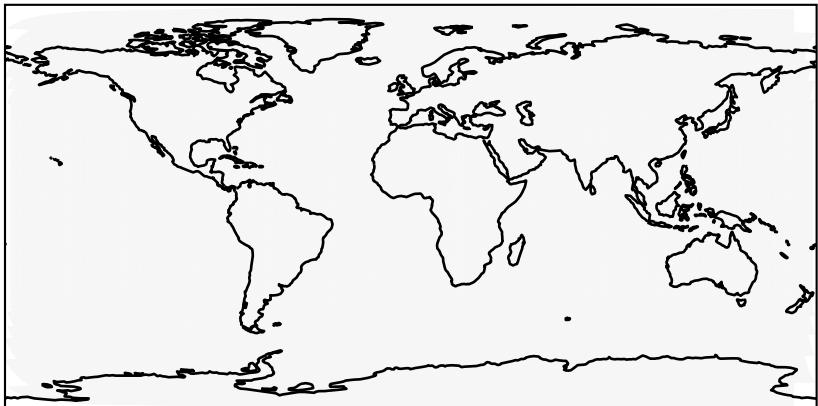
GCHP\_13.2.0-beta.0 (Ref)  
c48



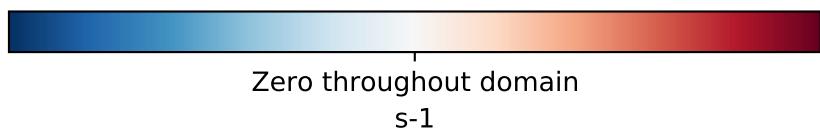
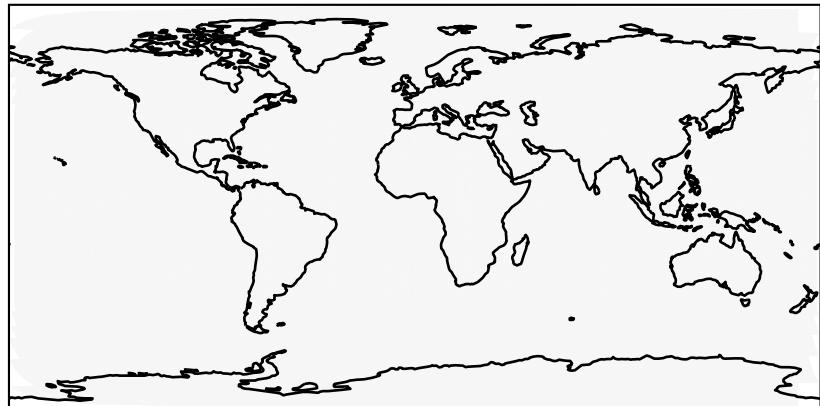
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



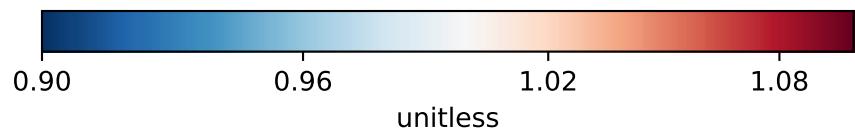
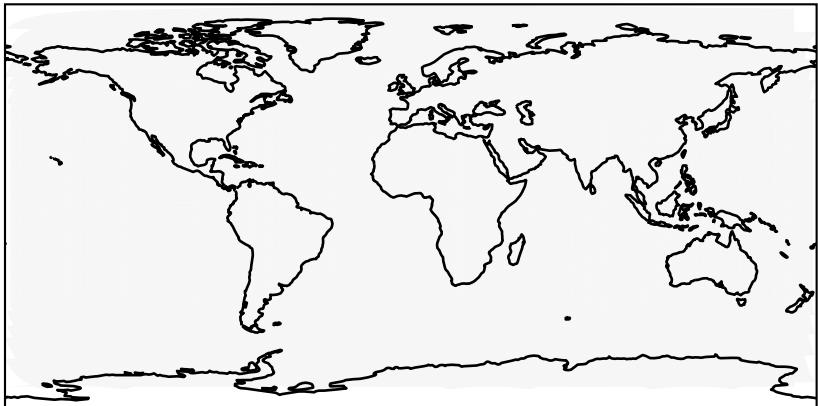
Difference  
Dev - Ref, Dynamic Range



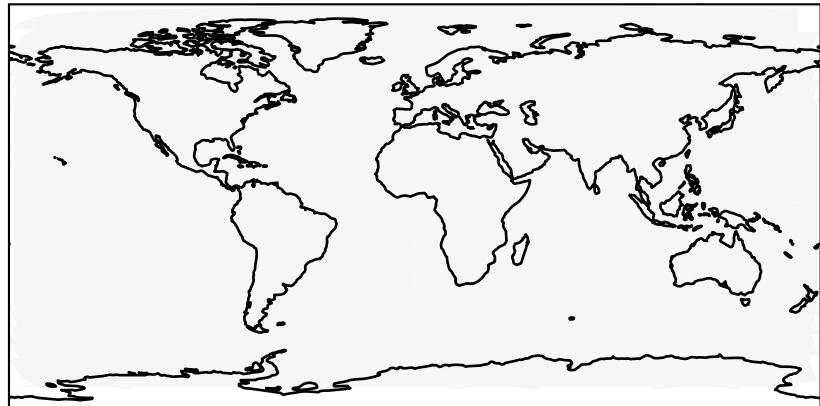
Difference  
Dev - Ref, Restricted Range [5%,95%]



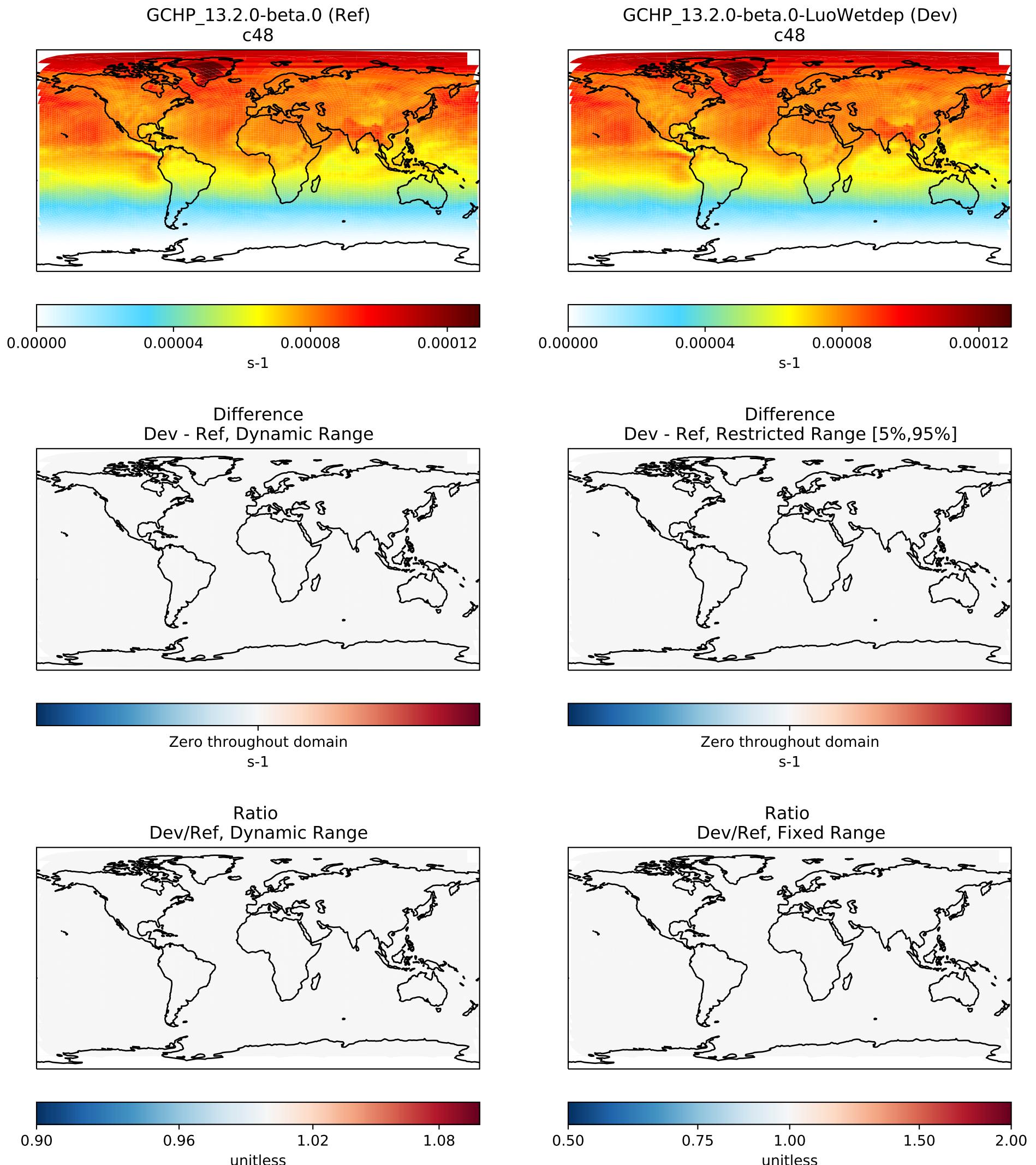
Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

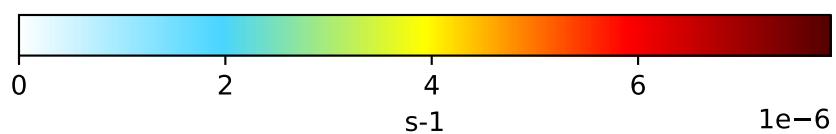
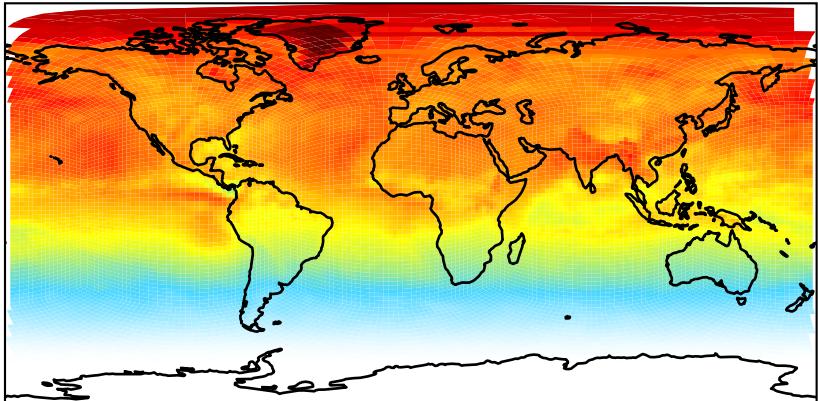


# Jval\_ITCN

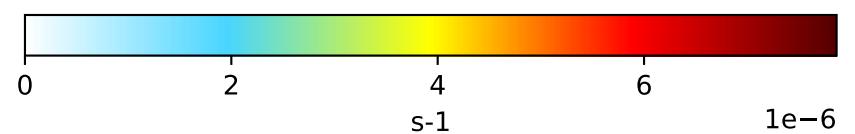
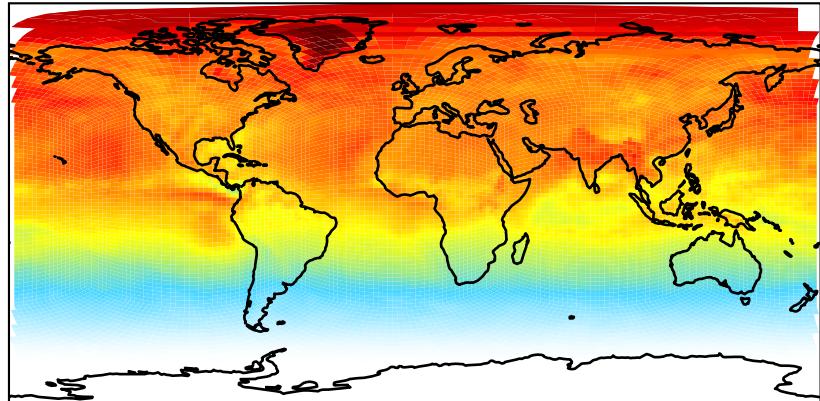


# Jval\_ITHN

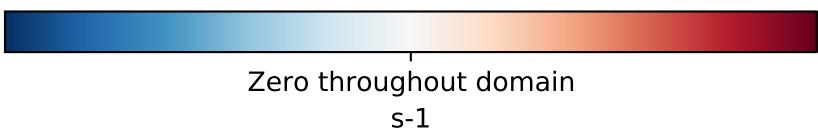
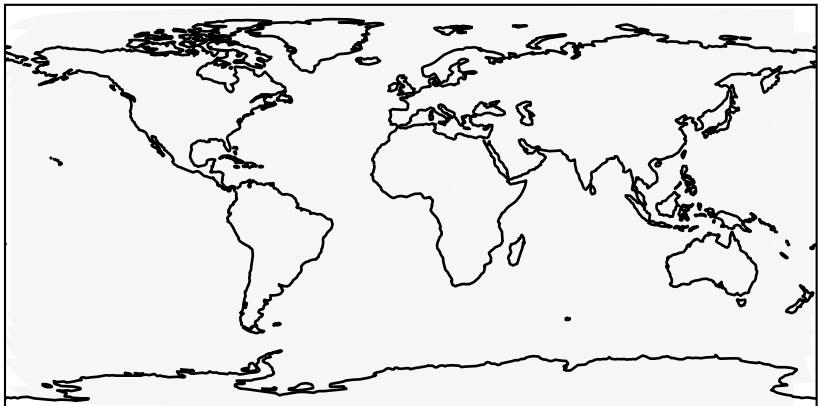
GCHP\_13.2.0-beta.0 (Ref)  
c48



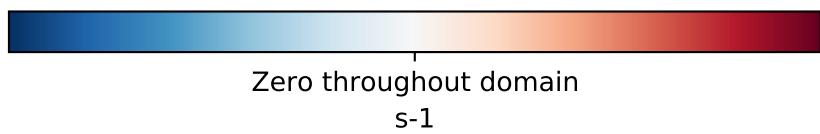
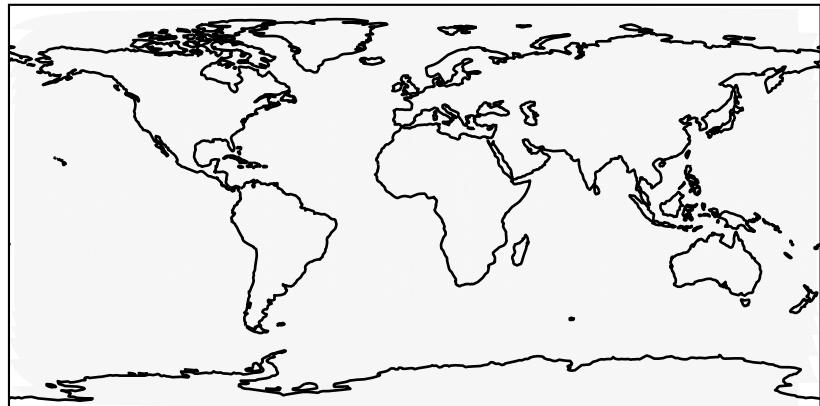
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



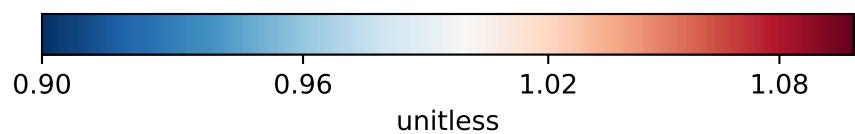
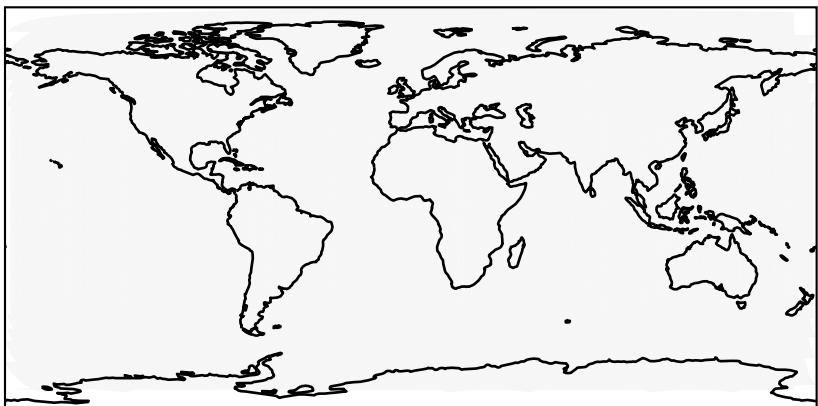
Difference  
Dev - Ref, Dynamic Range



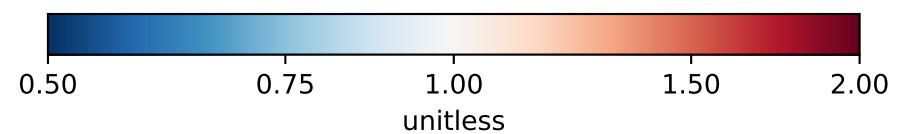
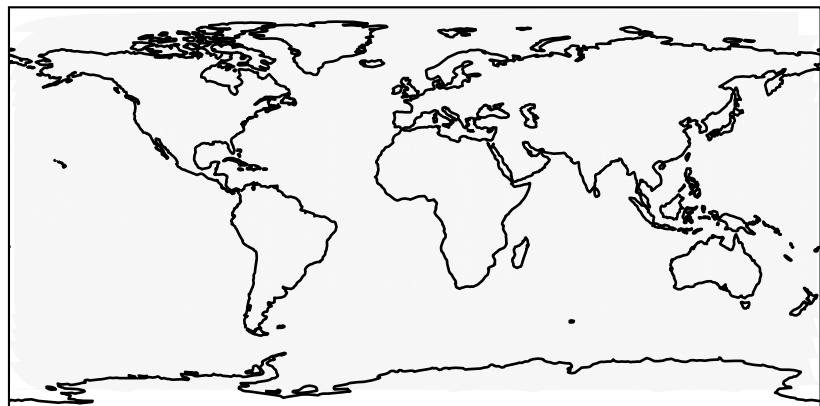
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

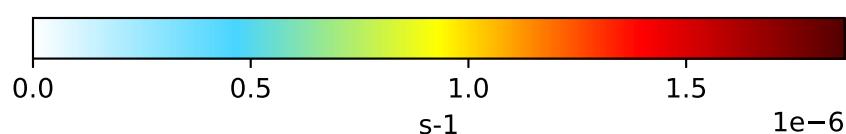
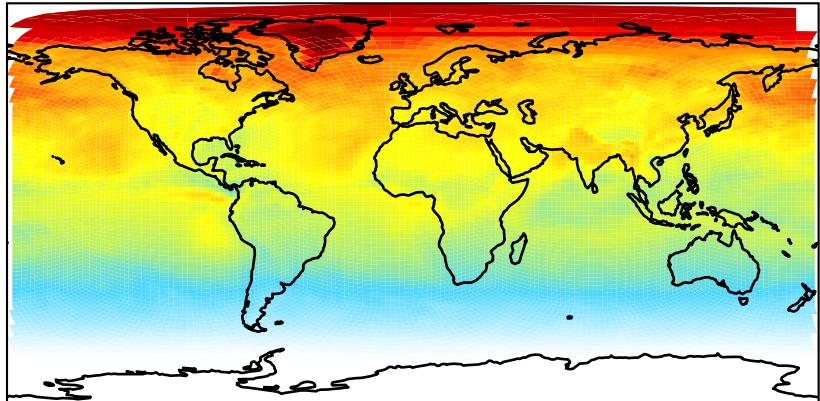


Ratio  
Dev/Ref, Fixed Range

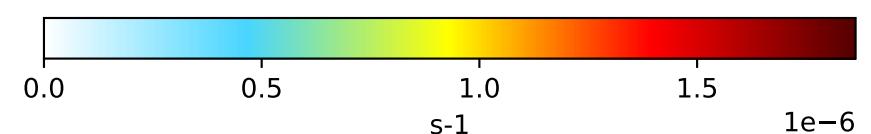
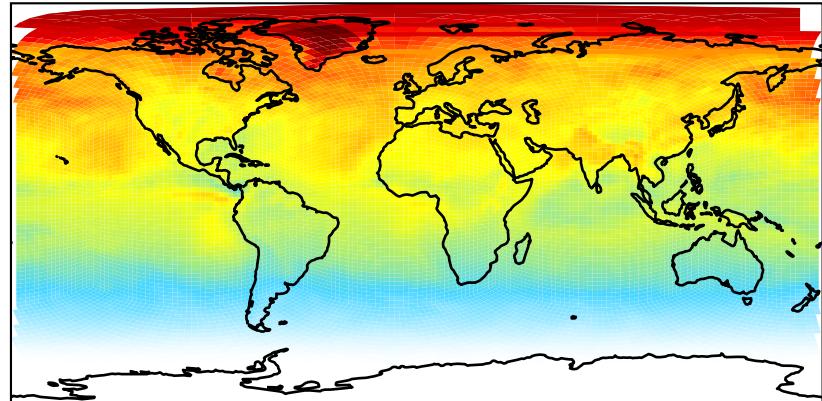


# Jval\_MACR

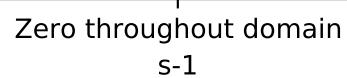
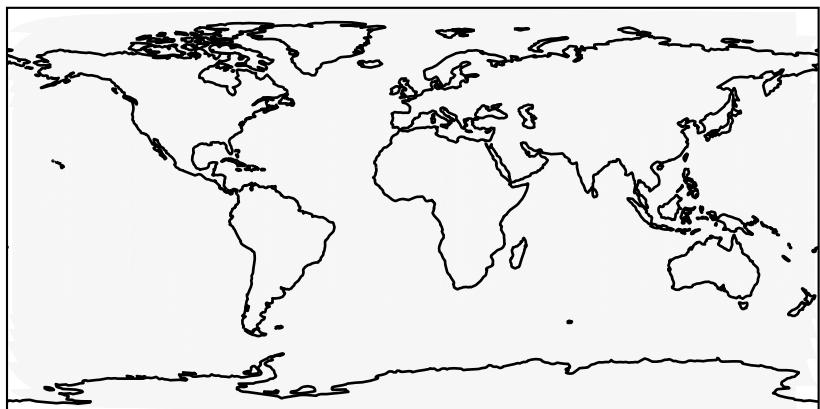
GCHP\_13.2.0-beta.0 (Ref)  
c48



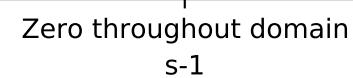
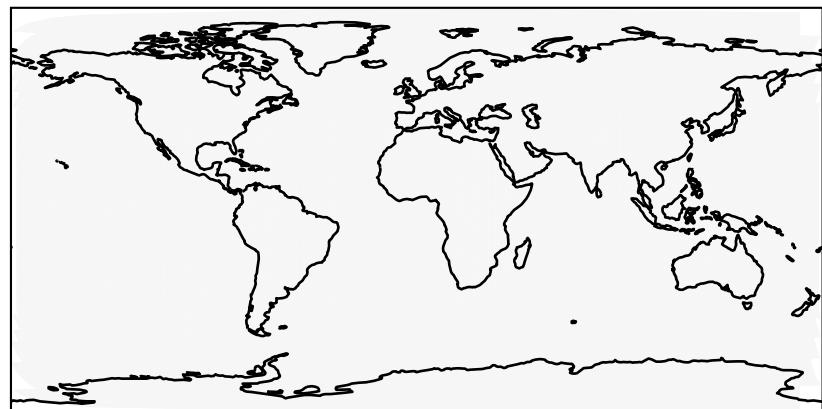
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



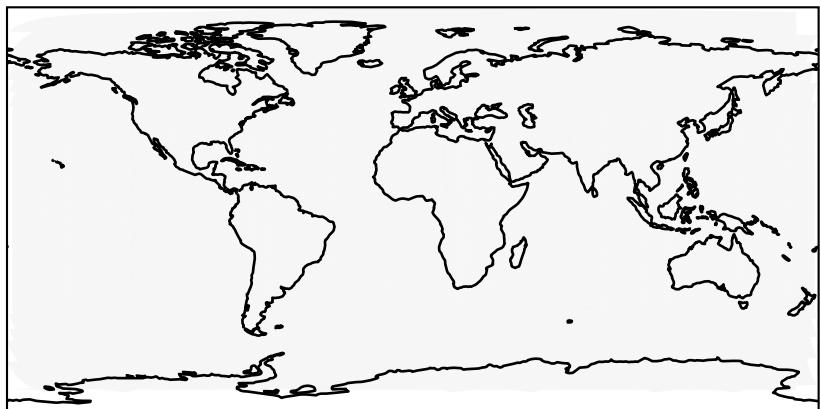
Difference  
Dev - Ref, Dynamic Range



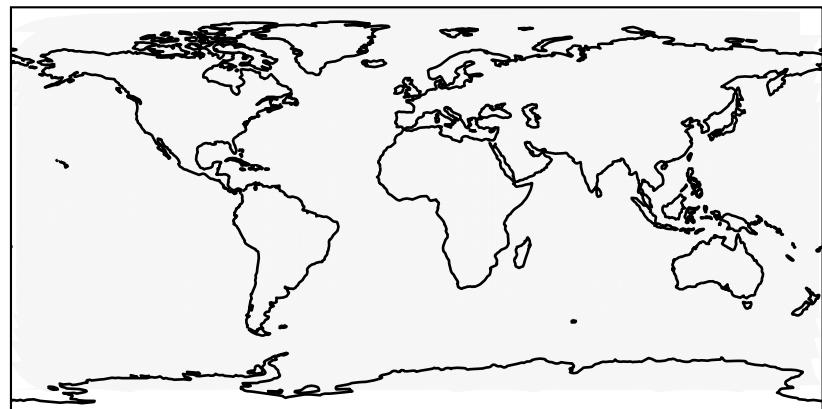
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

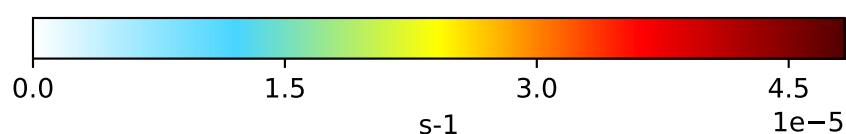
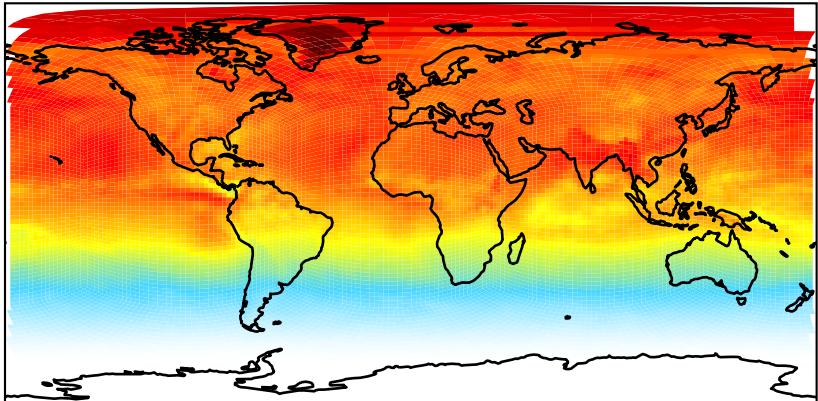


Ratio  
Dev/Ref, Fixed Range

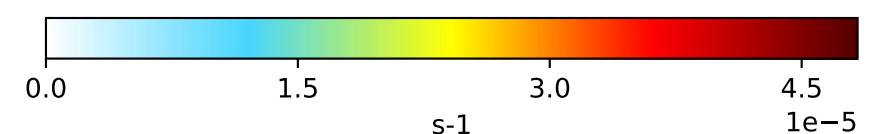
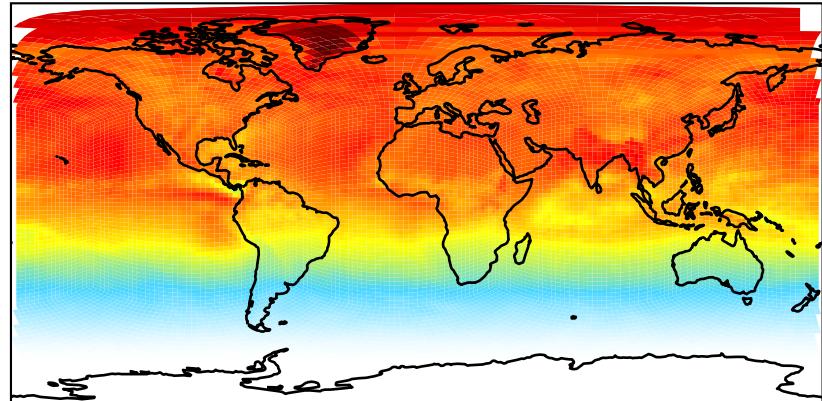


# Jval\_MACR1OOH

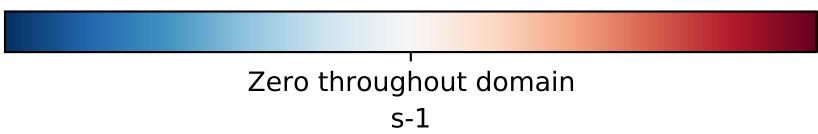
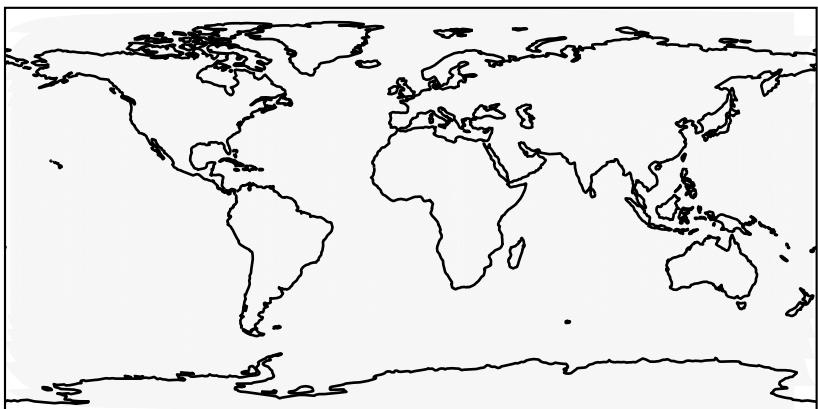
GCHP\_13.2.0-beta.0 (Ref)  
c48



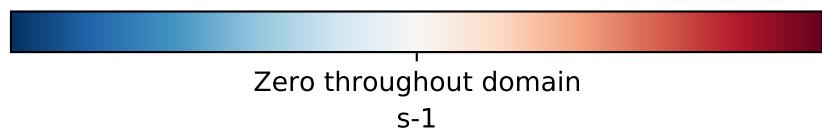
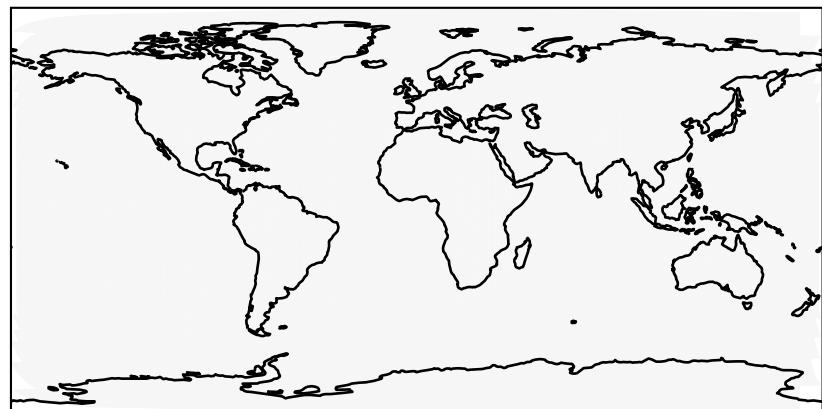
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



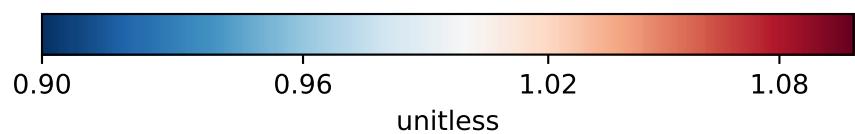
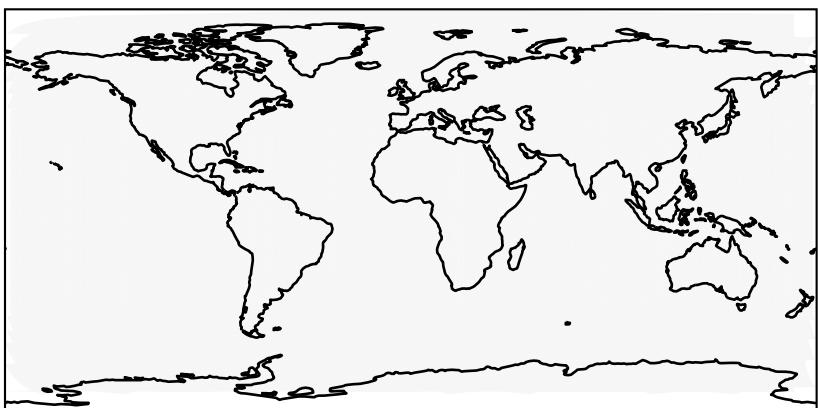
Difference  
Dev - Ref, Dynamic Range



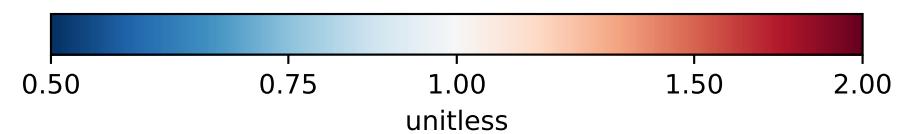
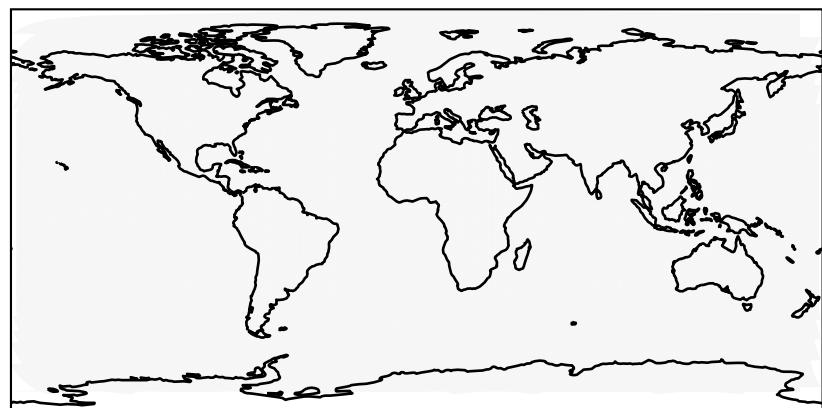
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

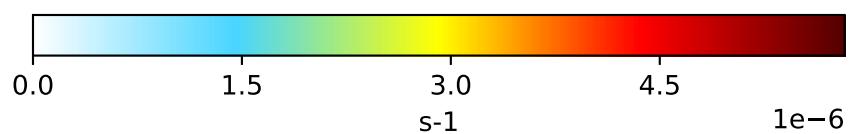
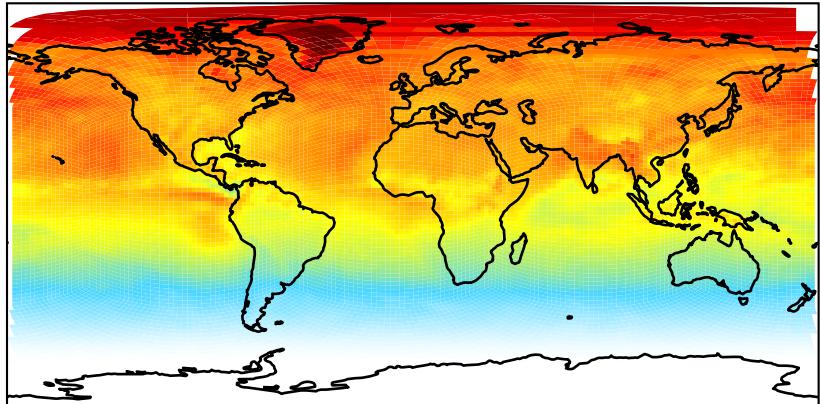


Ratio  
Dev/Ref, Fixed Range

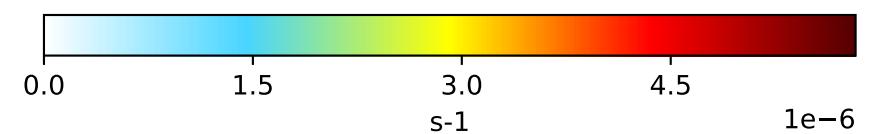
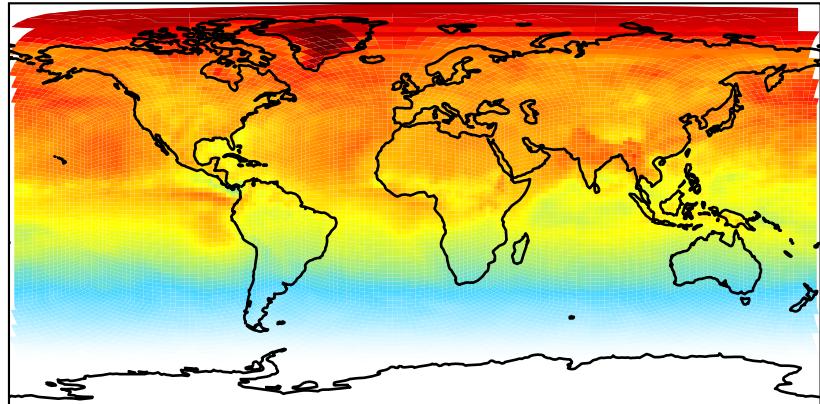


# Jval\_MAP

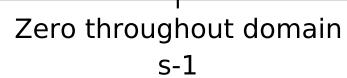
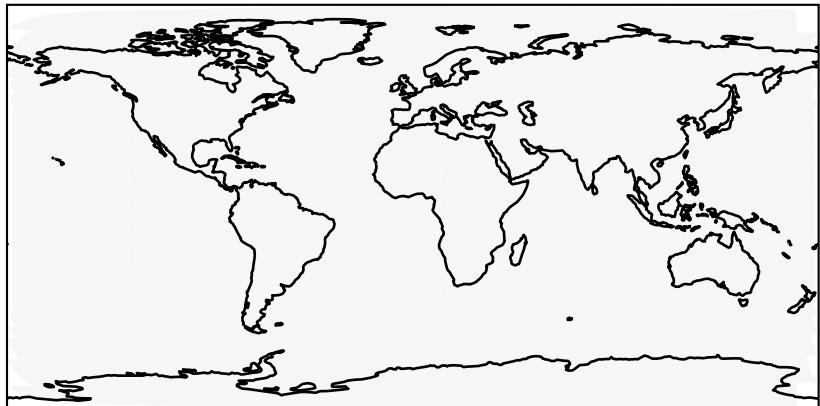
GCHP\_13.2.0-beta.0 (Ref)  
c48



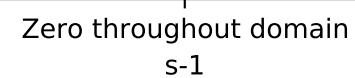
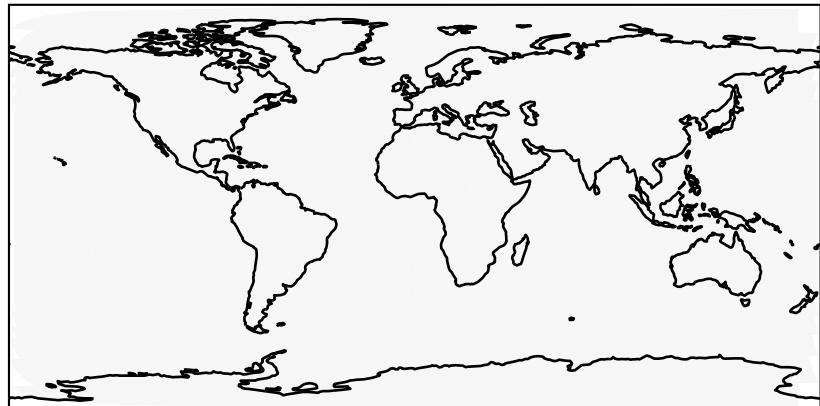
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



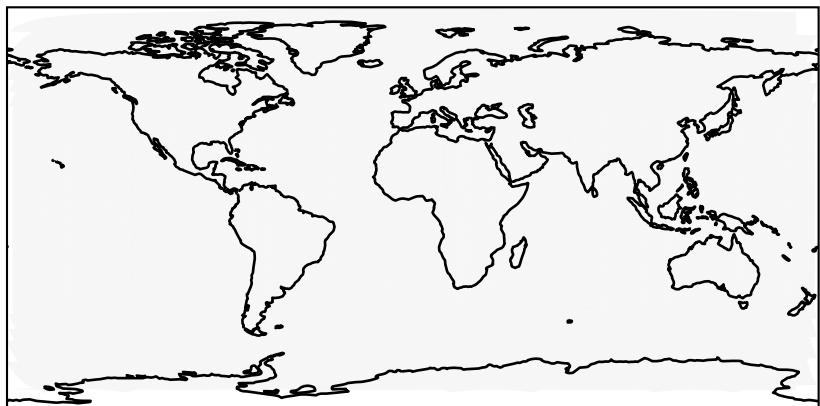
Difference  
Dev - Ref, Dynamic Range



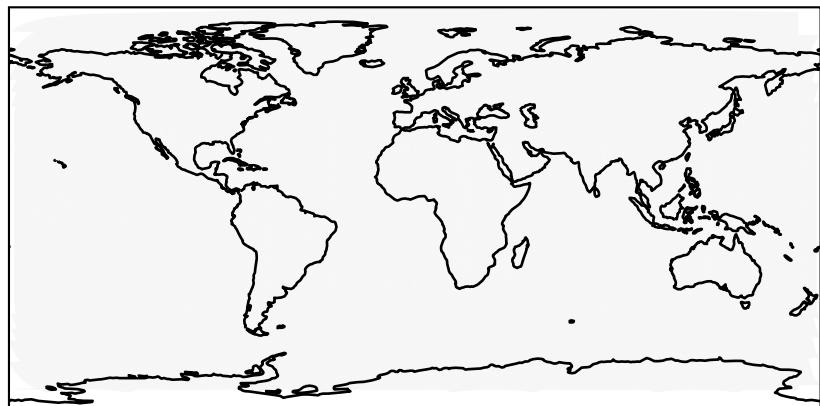
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

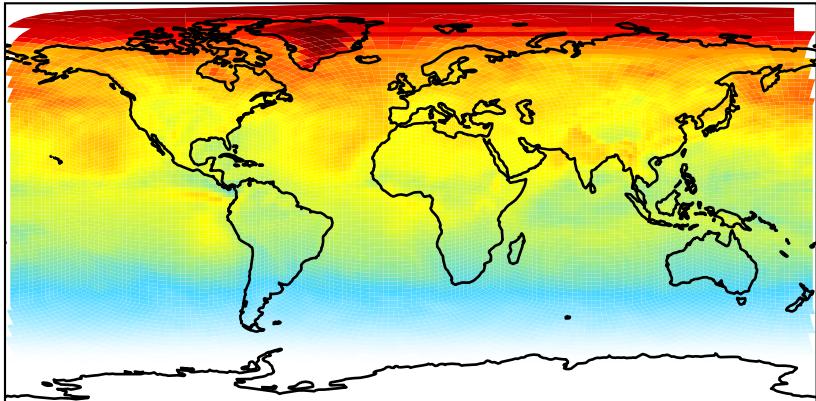


Ratio  
Dev/Ref, Fixed Range

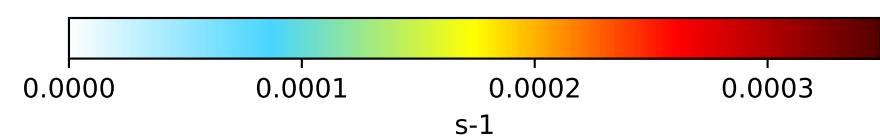
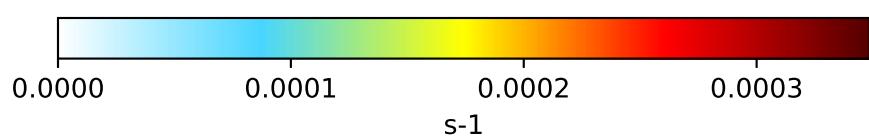
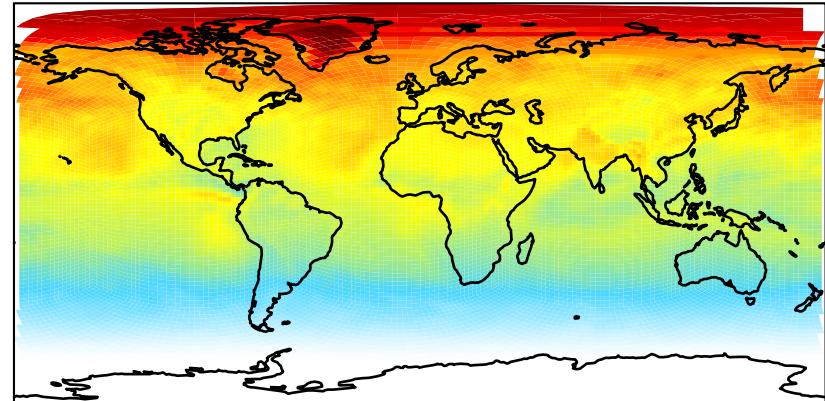


# Jval\_MCRENOL

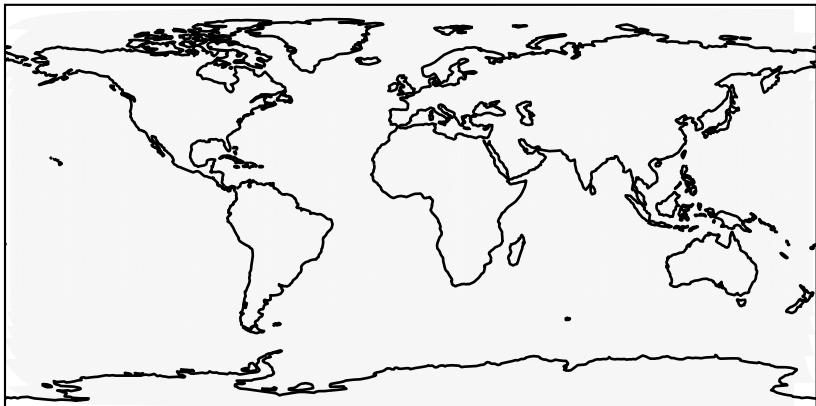
GCHP\_13.2.0-beta.0 (Ref)  
c48



GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48

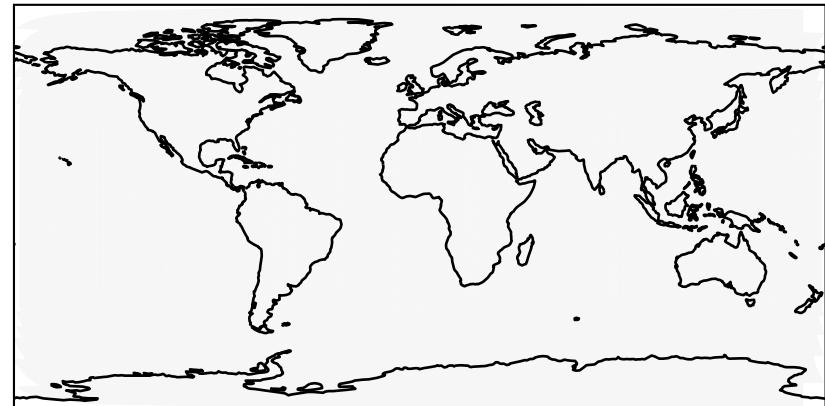


Difference  
Dev - Ref, Dynamic Range



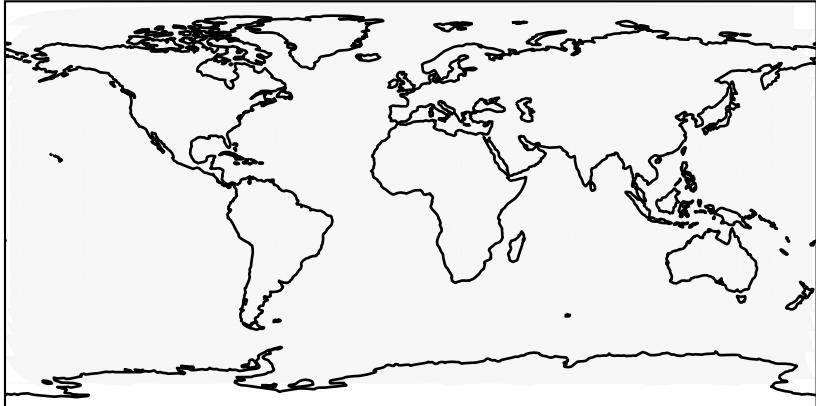
Zero throughout domain  
s<sup>-1</sup>

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



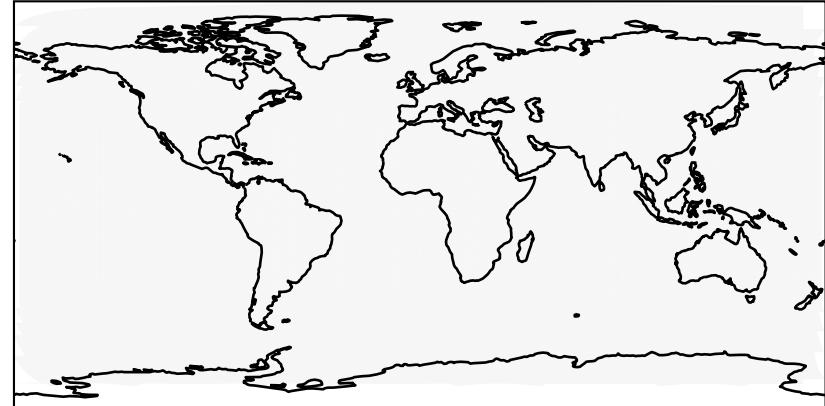
Zero throughout domain  
s<sup>-1</sup>

Ratio  
Dev/Ref, Dynamic Range



0.90      0.96      1.02      1.08  
unitless

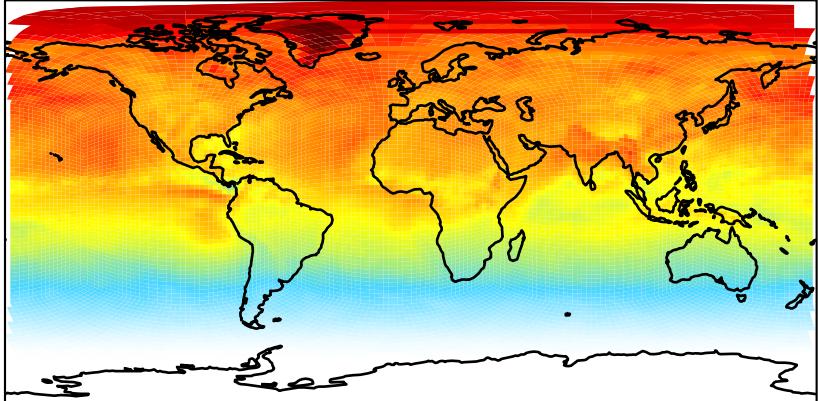
Ratio  
Dev/Ref, Fixed Range



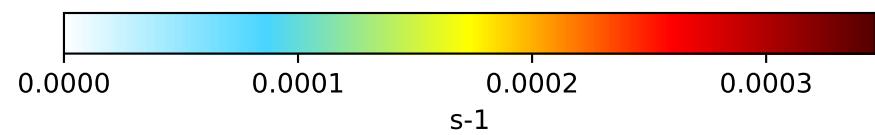
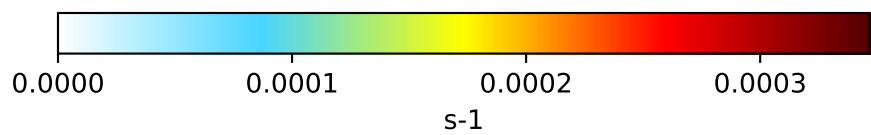
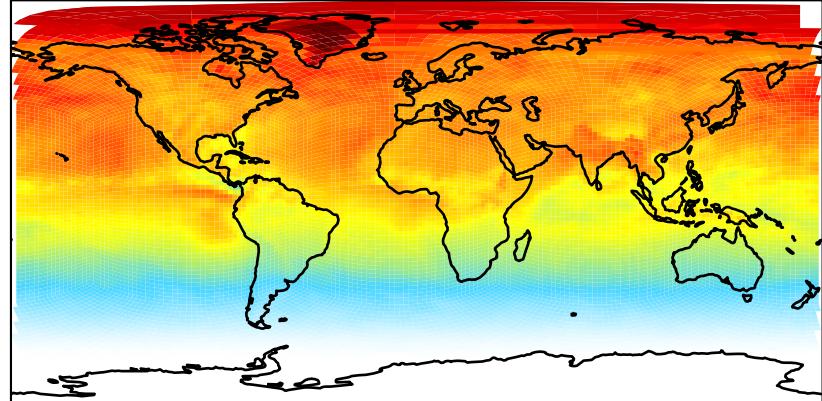
0.50      0.75      1.00      1.50      2.00  
unitless

# Jval\_MCRHN

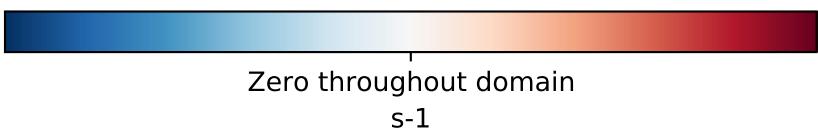
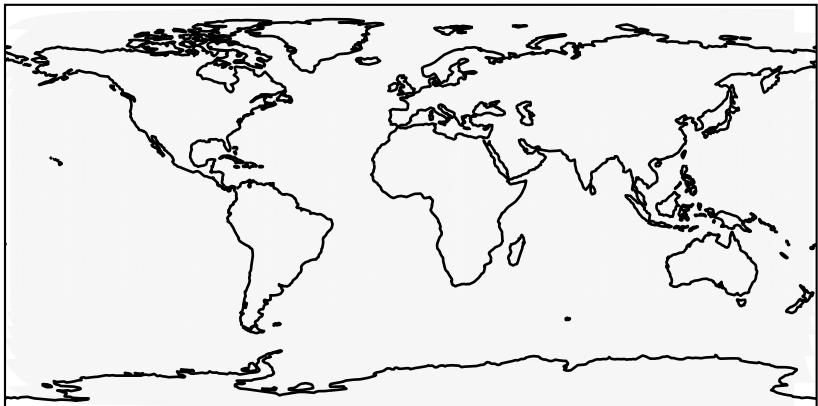
GCHP\_13.2.0-beta.0 (Ref)  
c48



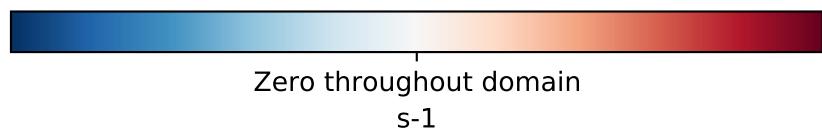
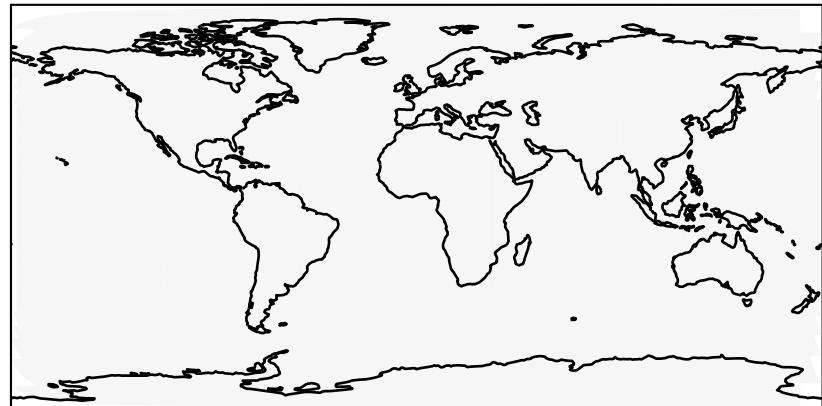
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



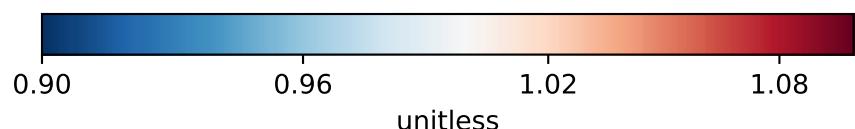
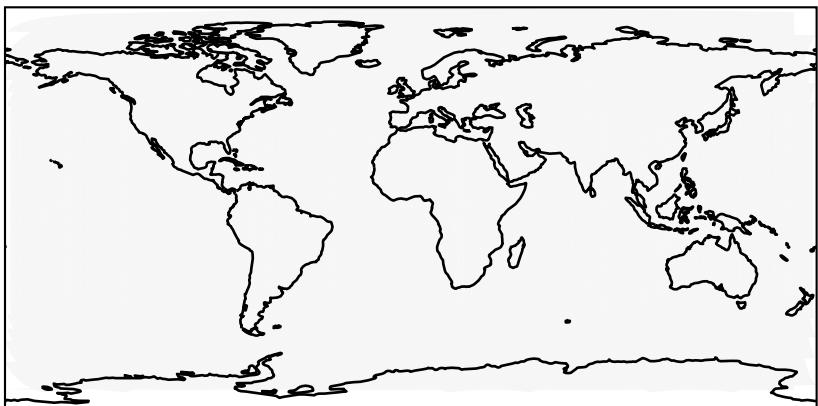
Difference  
Dev - Ref, Dynamic Range



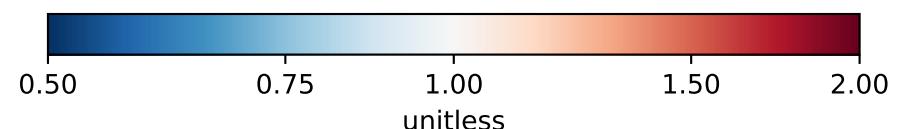
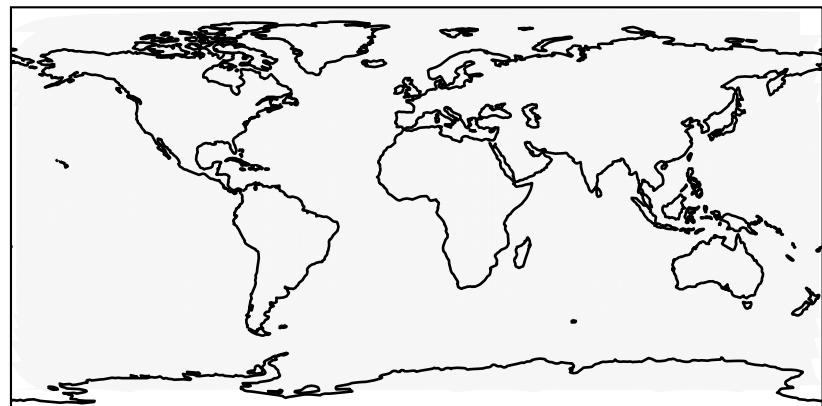
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

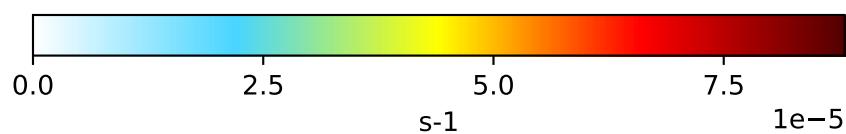
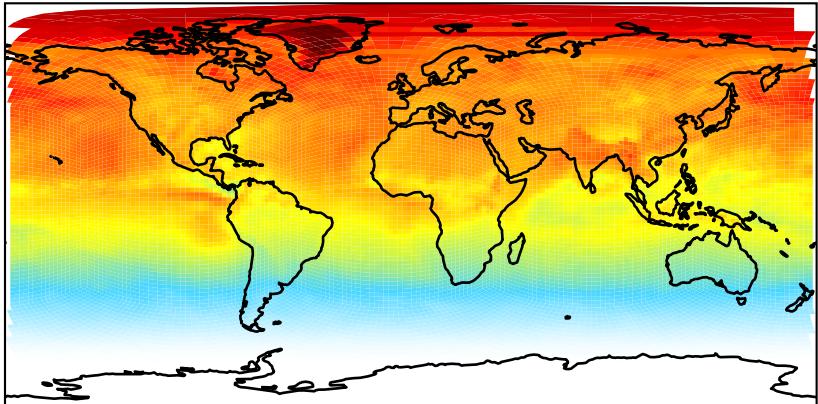


Ratio  
Dev/Ref, Fixed Range

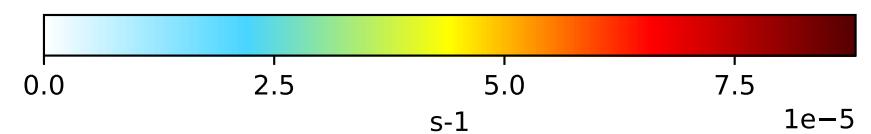
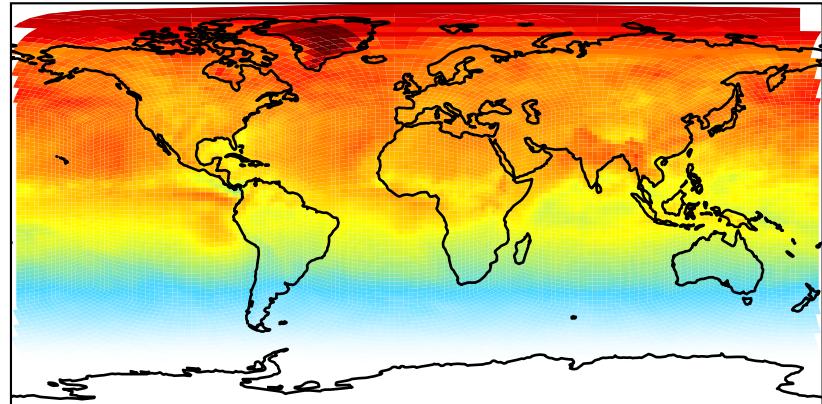


# Jval\_MCRHNB

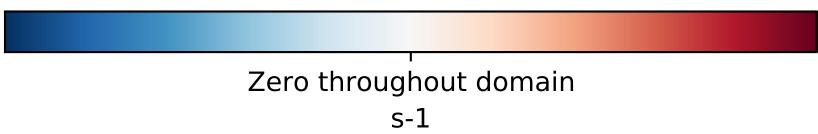
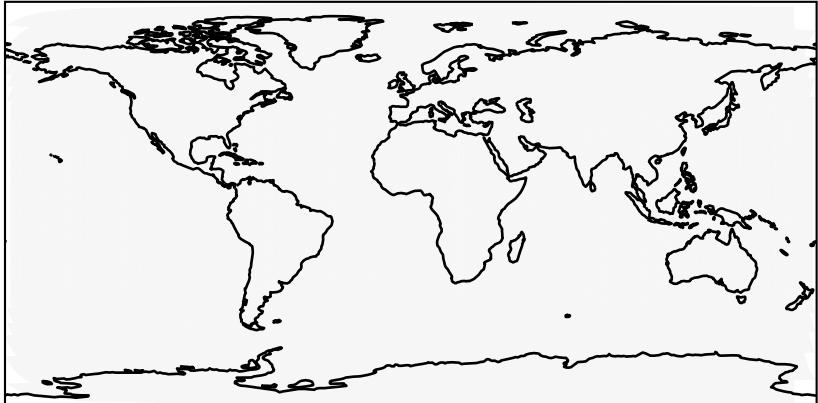
GCHP\_13.2.0-beta.0 (Ref)  
c48



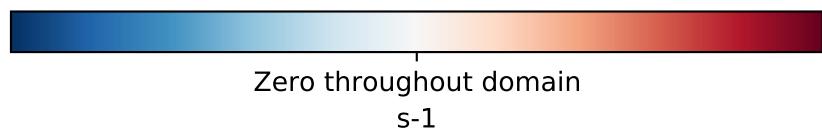
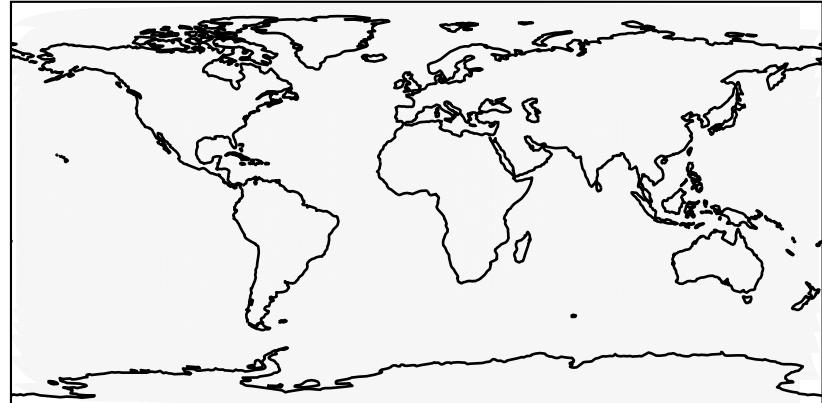
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



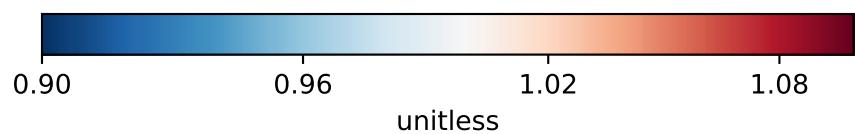
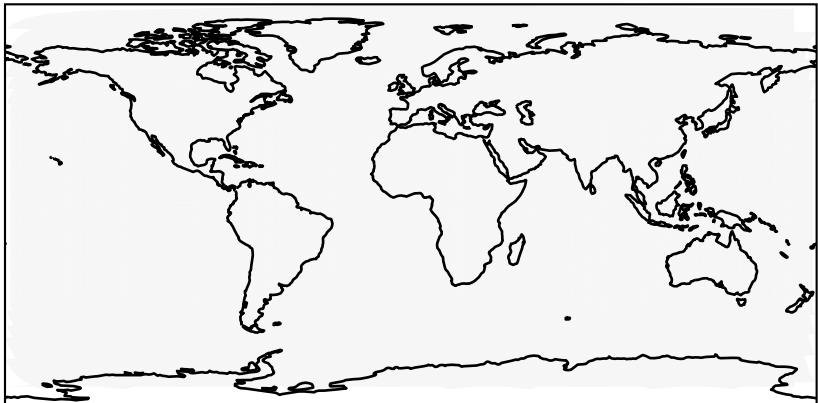
Difference  
Dev - Ref, Dynamic Range



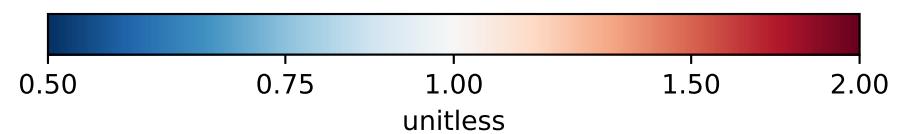
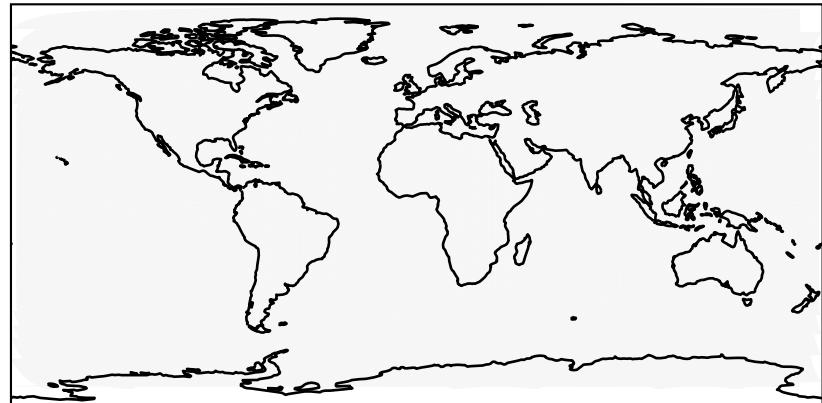
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

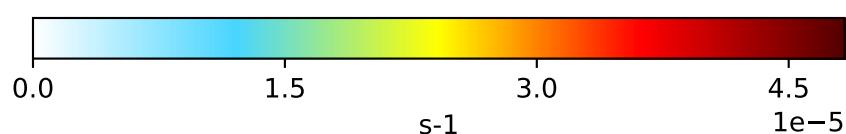
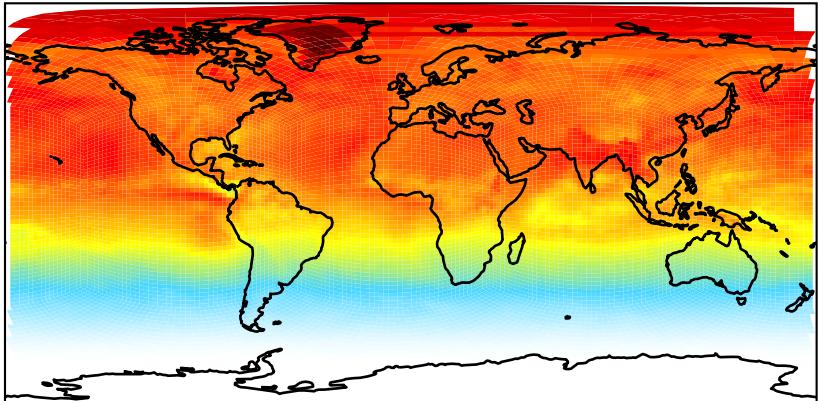


Ratio  
Dev/Ref, Fixed Range

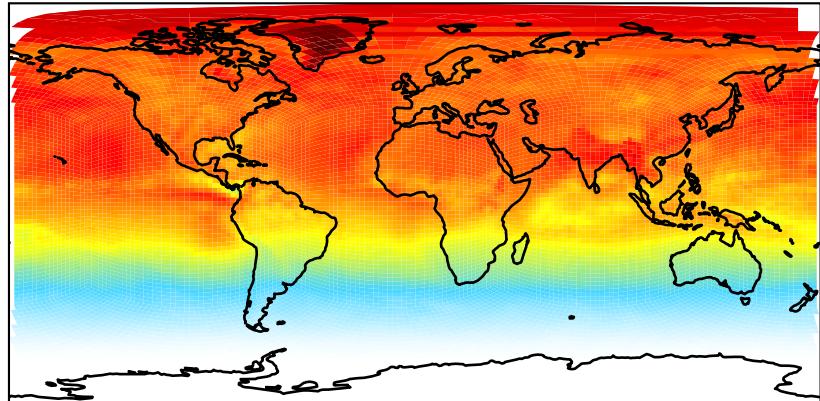


# Jval\_MCRHP

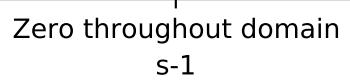
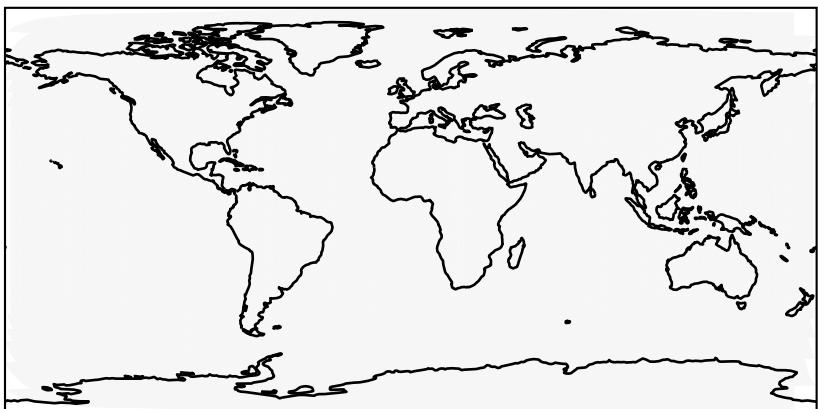
GCHP\_13.2.0-beta.0 (Ref)  
c48



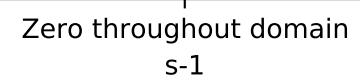
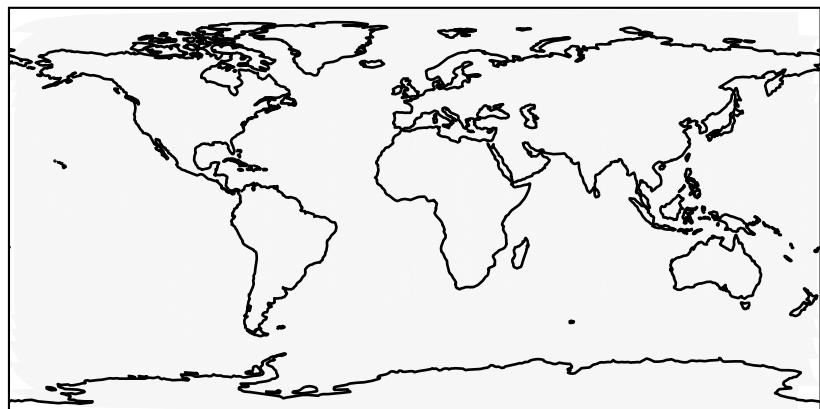
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



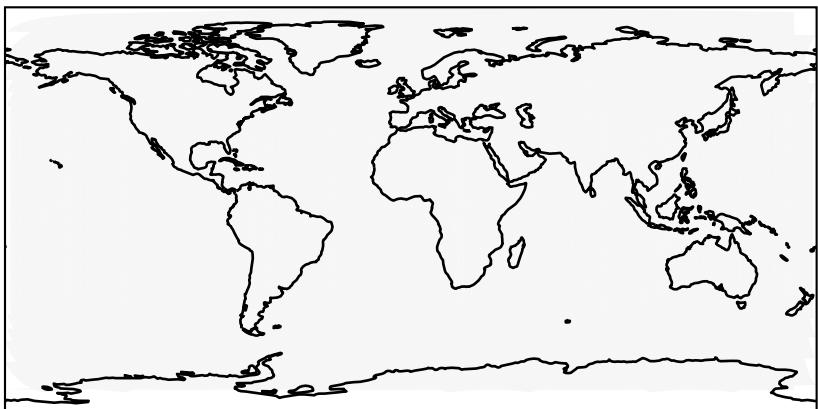
Difference  
Dev - Ref, Dynamic Range



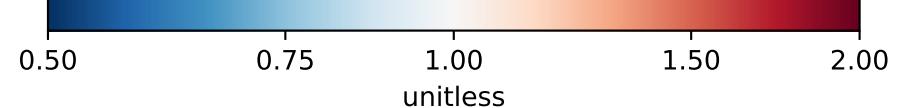
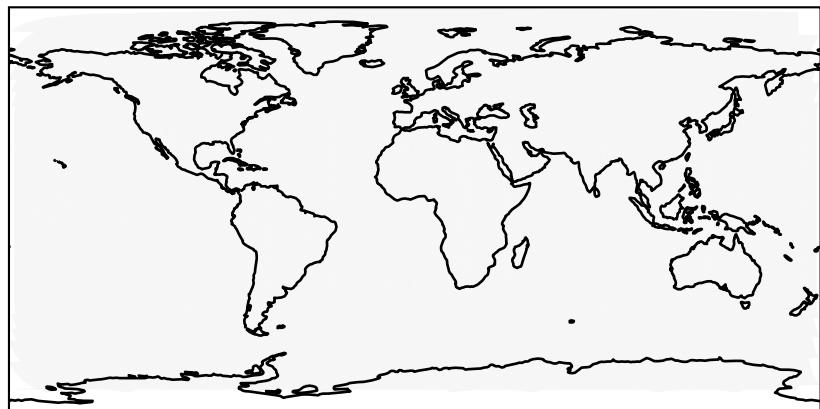
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

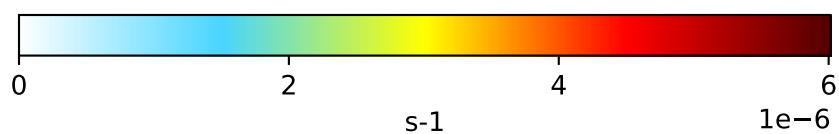
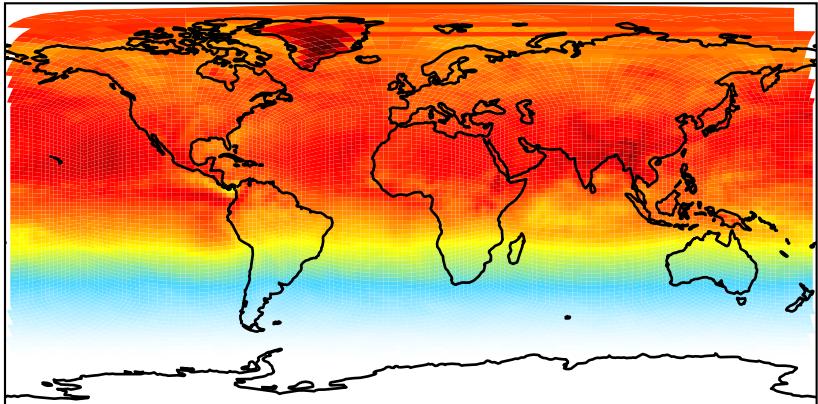


Ratio  
Dev/Ref, Fixed Range

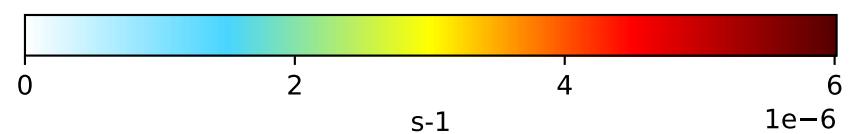
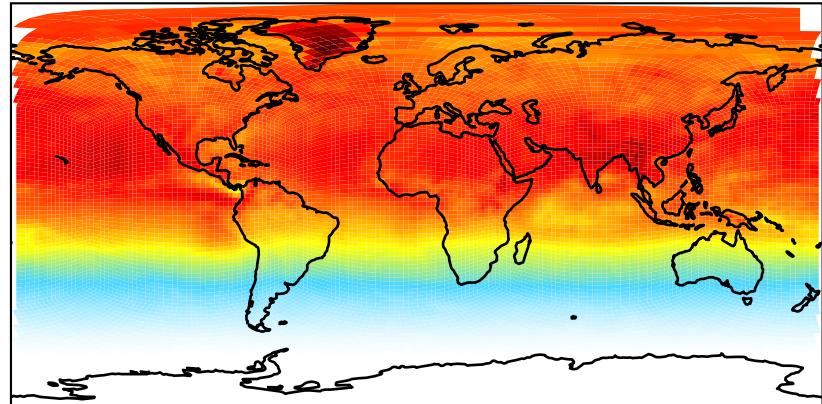


# Jval\_MEK

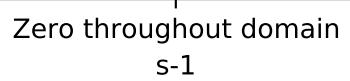
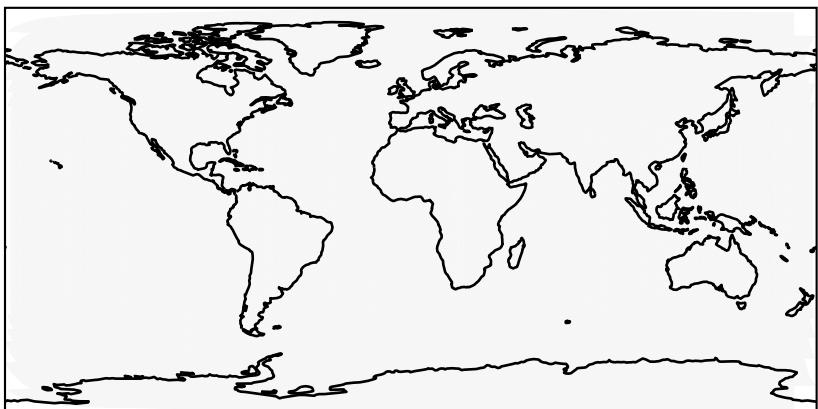
GCHP\_13.2.0-beta.0 (Ref)  
c48



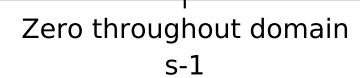
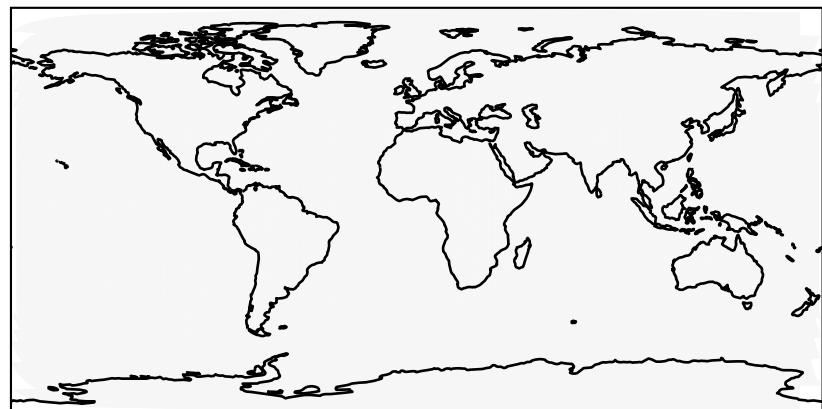
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



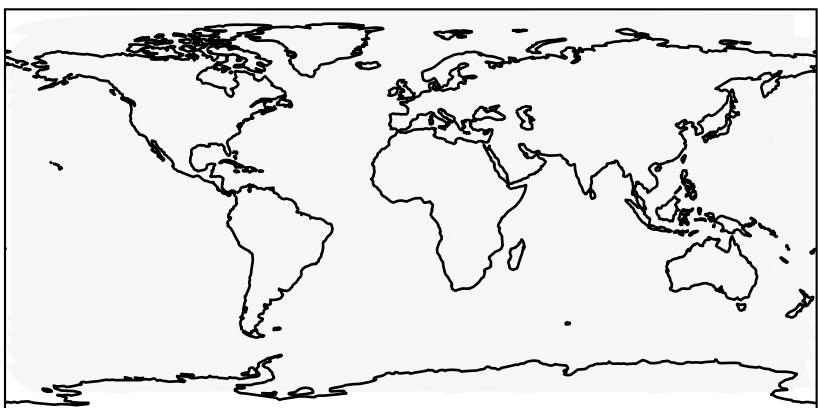
Difference  
Dev - Ref, Dynamic Range



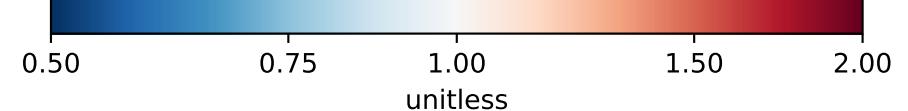
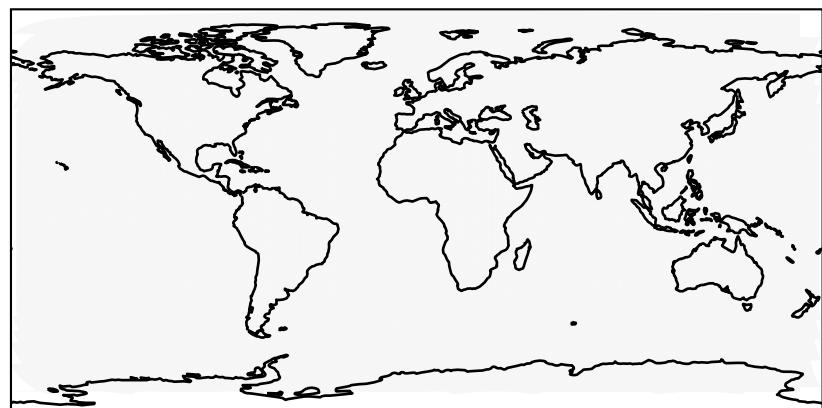
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

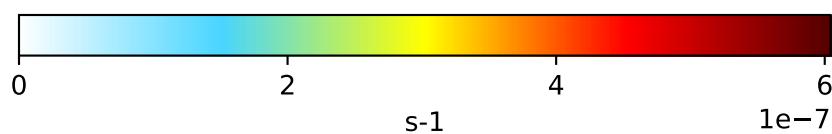
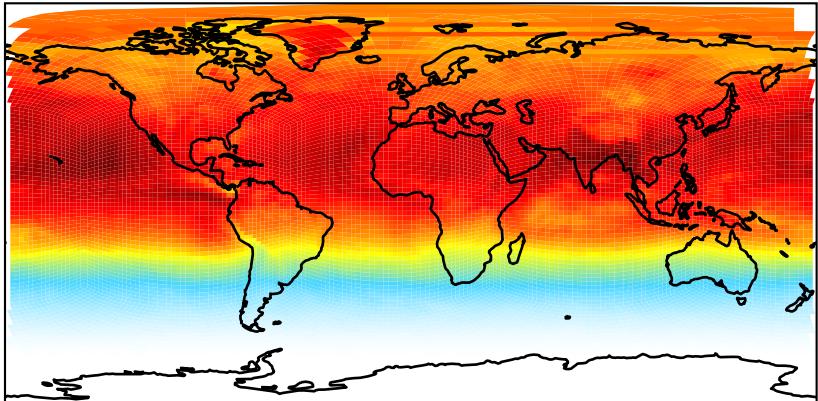


Ratio  
Dev/Ref, Fixed Range

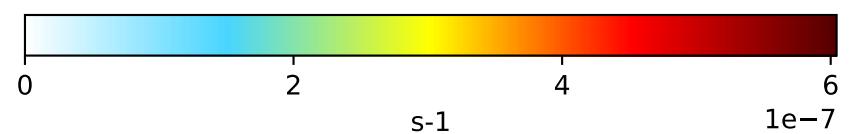
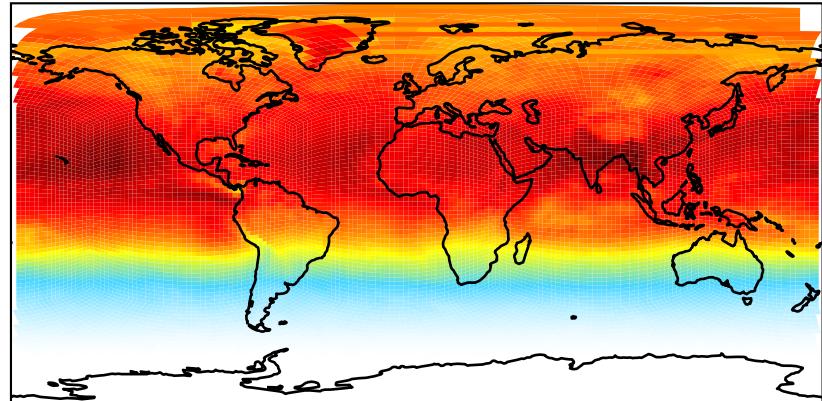


# Jval\_MENO3

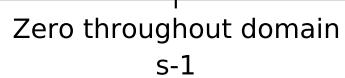
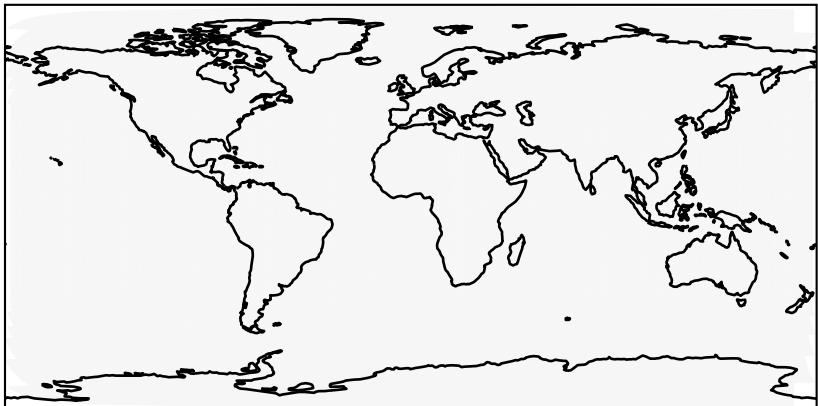
GCHP\_13.2.0-beta.0 (Ref)  
c48



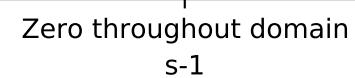
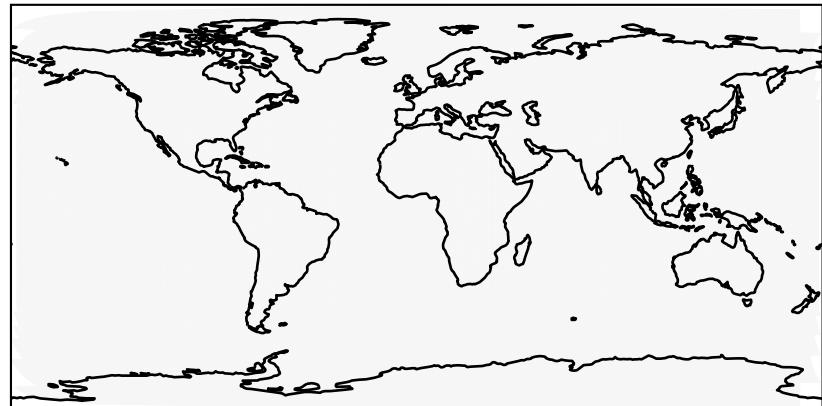
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



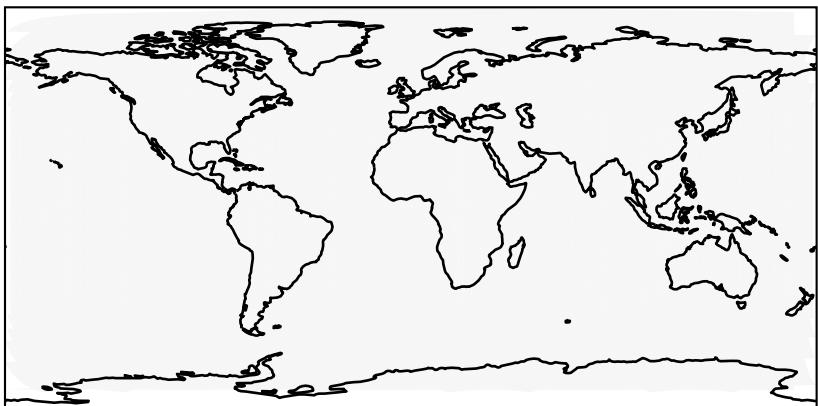
Difference  
Dev - Ref, Dynamic Range



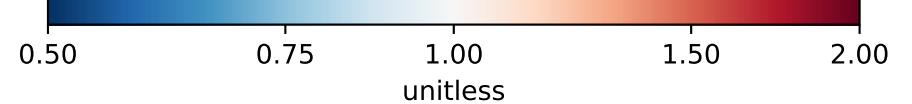
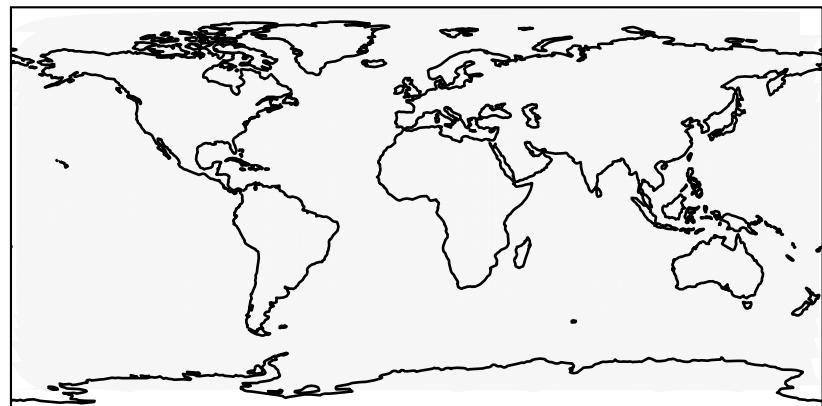
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

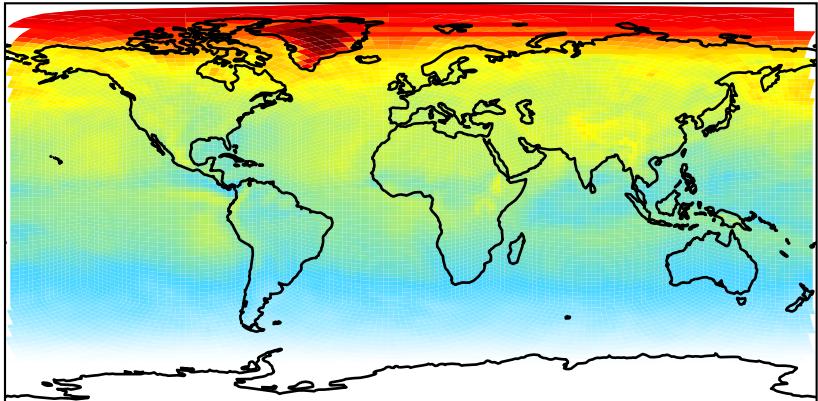


Ratio  
Dev/Ref, Fixed Range

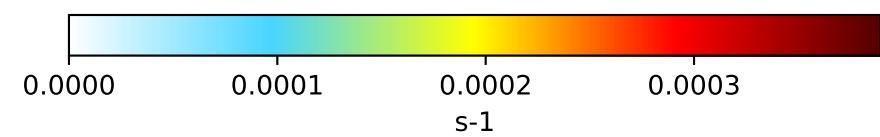
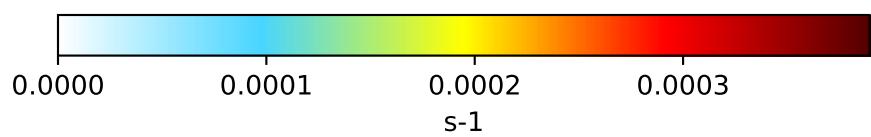
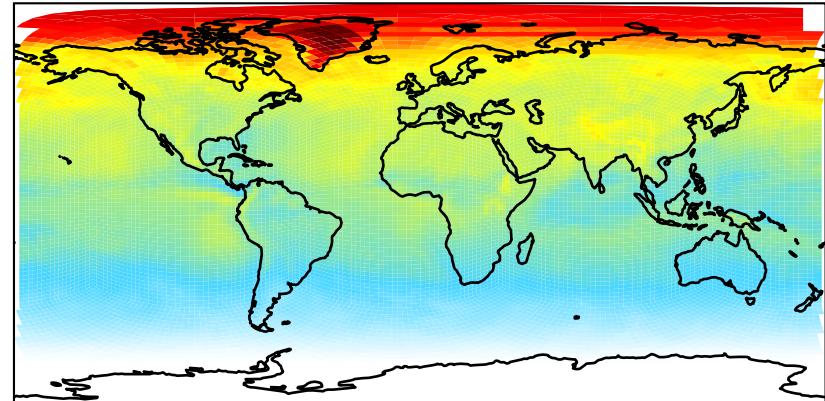


# Jval\_MGLY

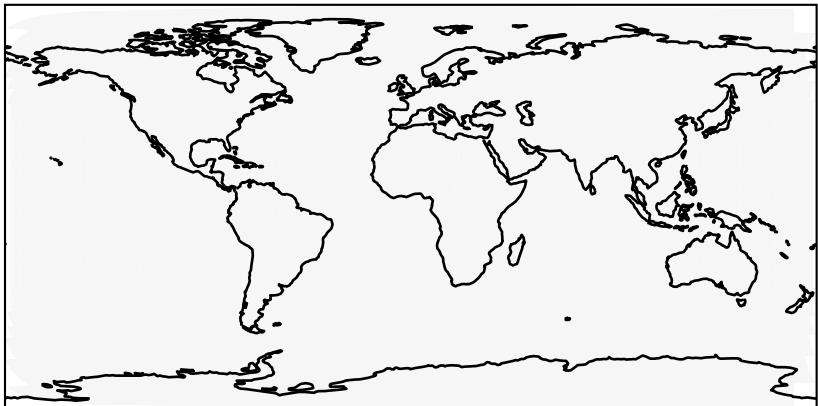
GCHP\_13.2.0-beta.0 (Ref)  
c48



GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48

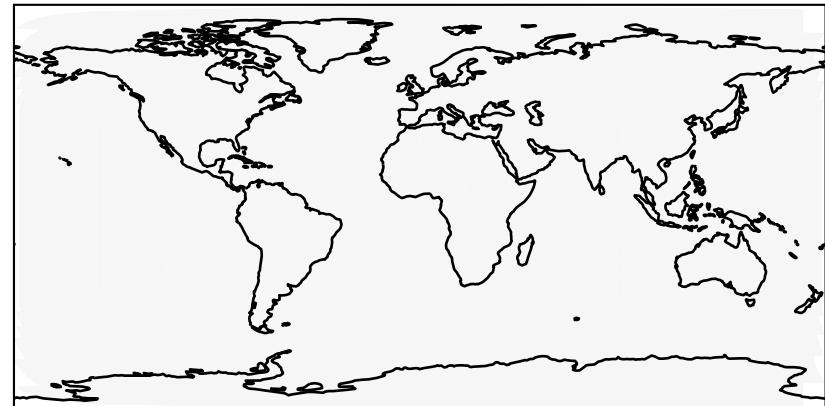


Difference  
Dev - Ref, Dynamic Range



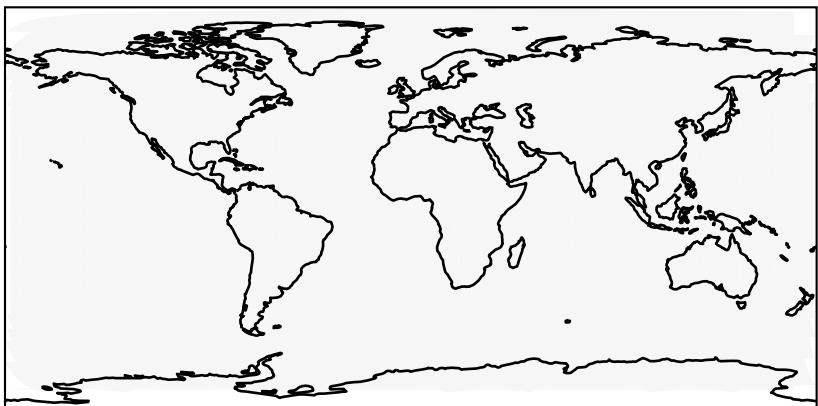
Zero throughout domain  
s<sup>-1</sup>

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



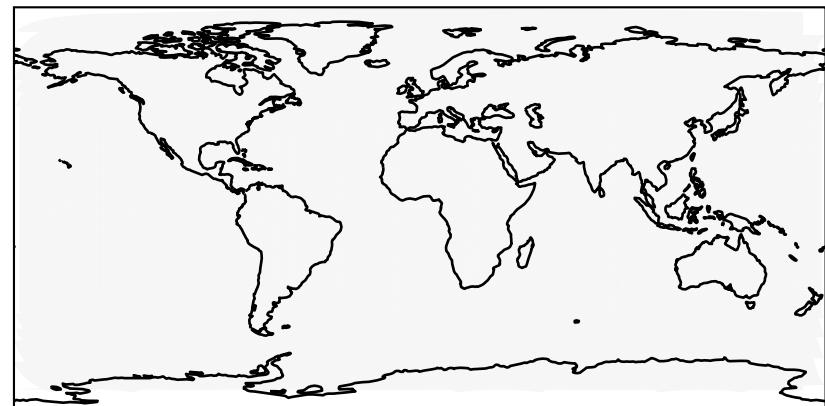
Zero throughout domain  
s<sup>-1</sup>

Ratio  
Dev/Ref, Dynamic Range



0.90      0.96      1.02      1.08  
unitless

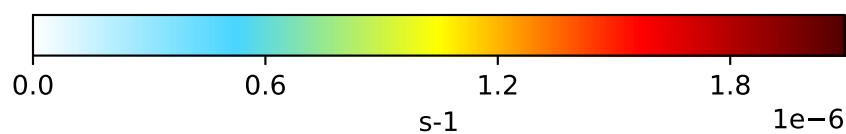
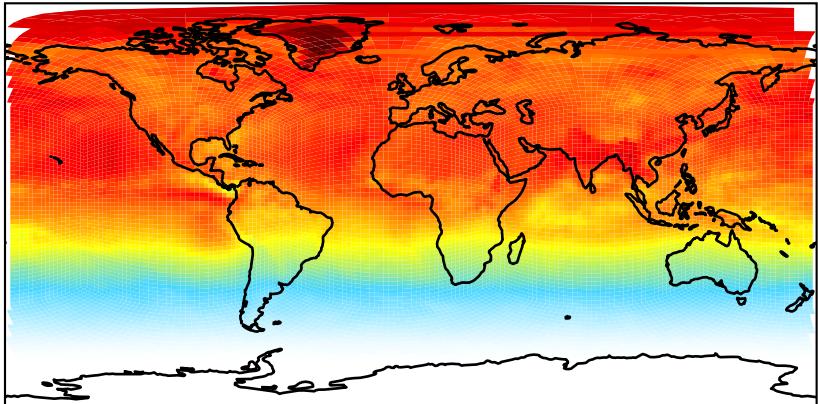
Ratio  
Dev/Ref, Fixed Range



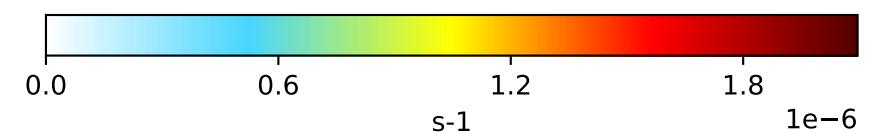
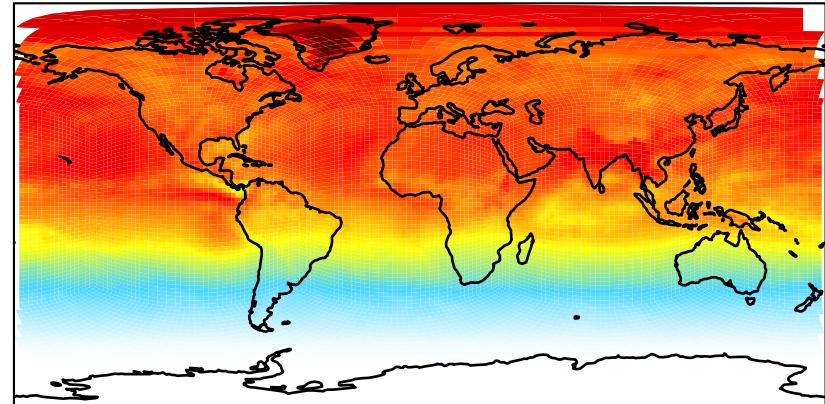
0.50      0.75      1.00      1.50      2.00  
unitless

# Jval\_MONITS

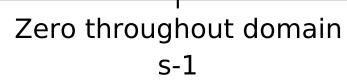
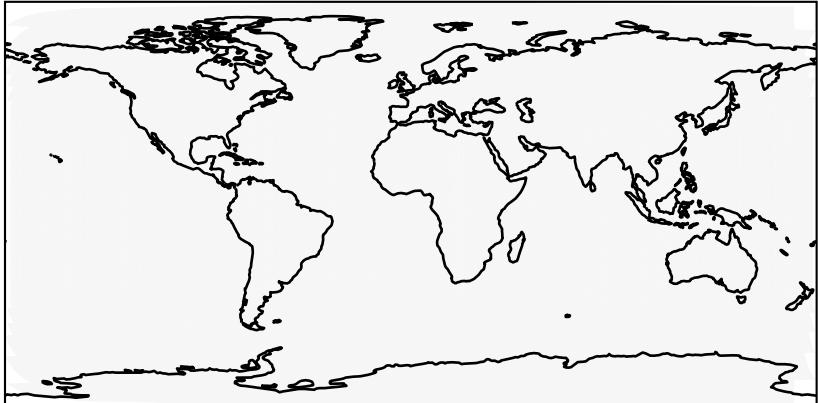
GCHP\_13.2.0-beta.0 (Ref)  
c48



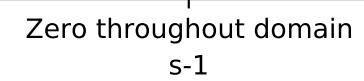
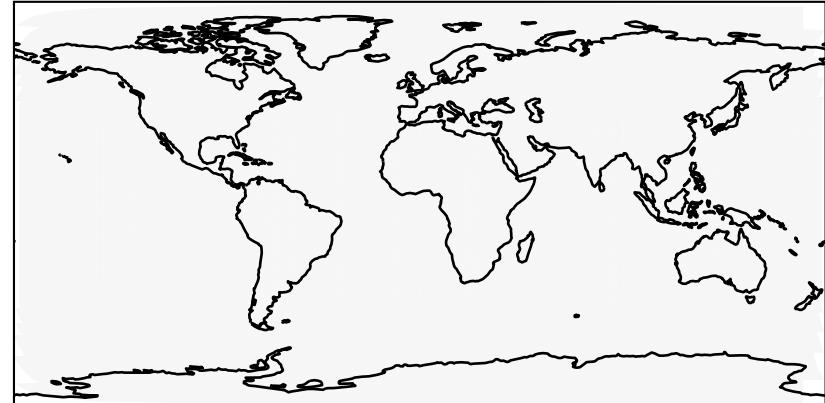
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



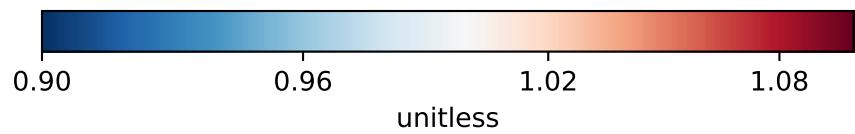
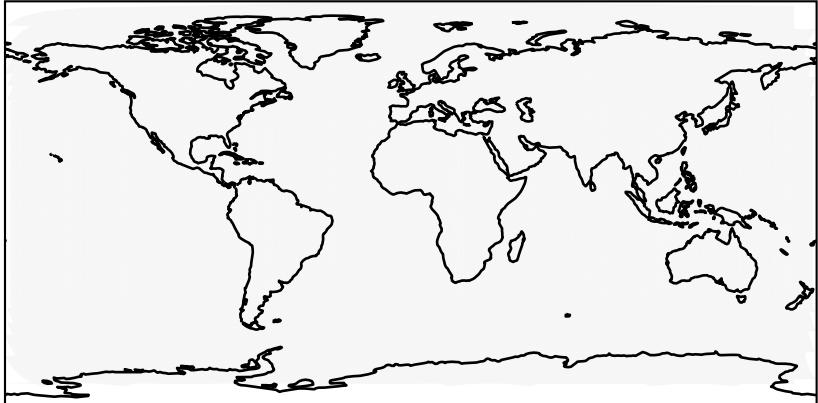
Difference  
Dev - Ref, Dynamic Range



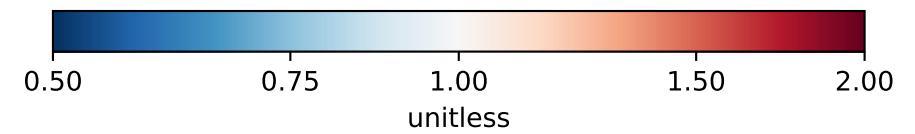
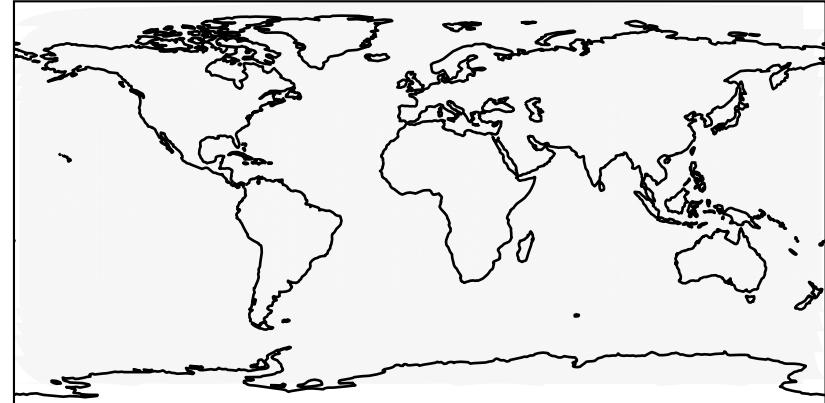
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

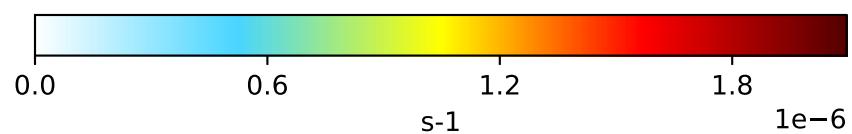
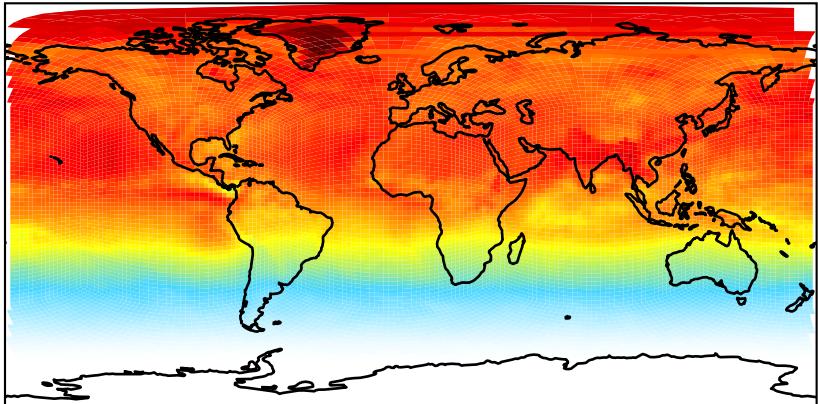


Ratio  
Dev/Ref, Fixed Range

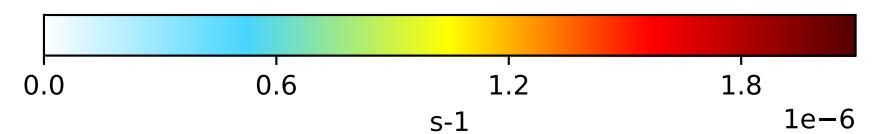
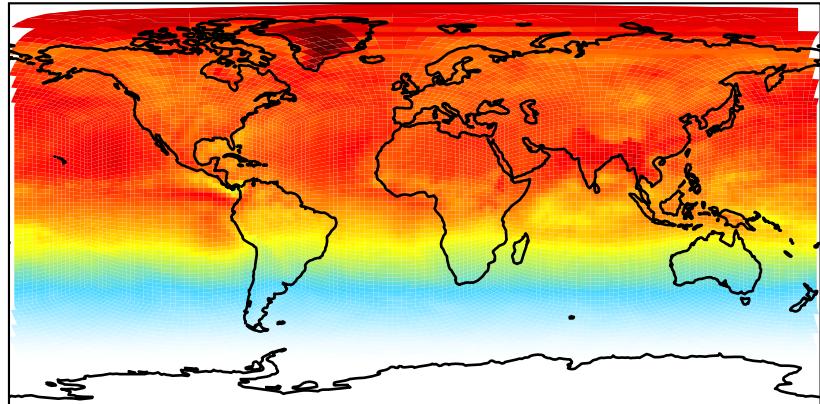


# Jval\_MONITU

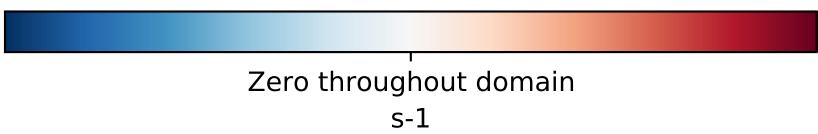
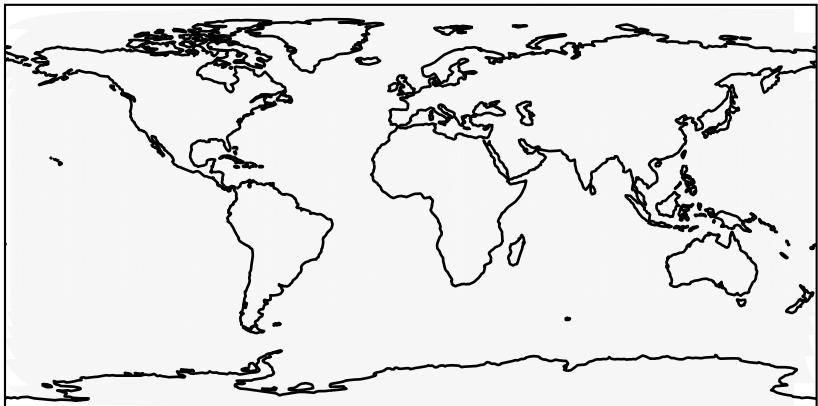
GCHP\_13.2.0-beta.0 (Ref)  
c48



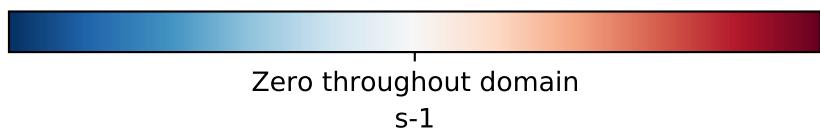
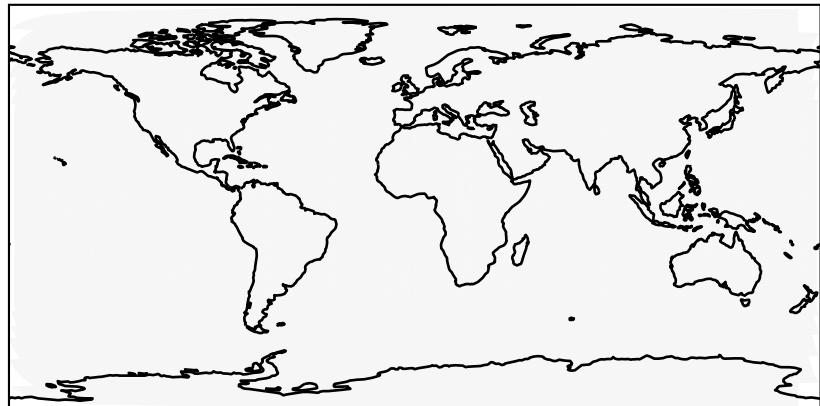
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



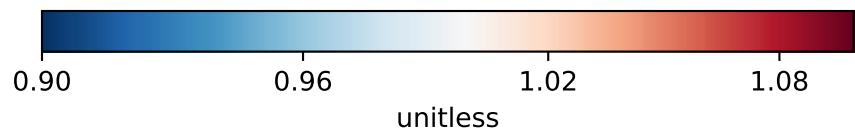
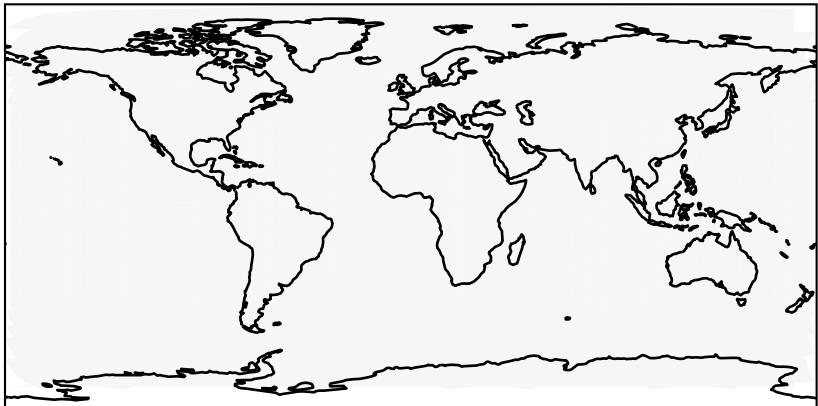
Difference  
Dev - Ref, Dynamic Range



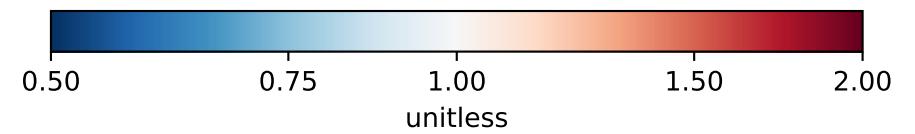
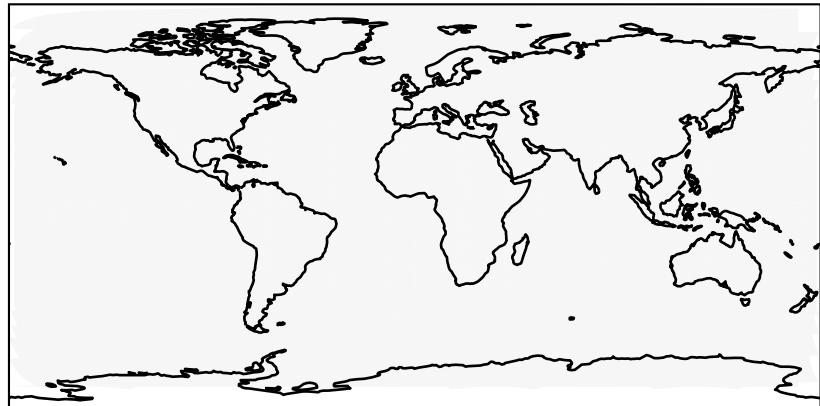
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

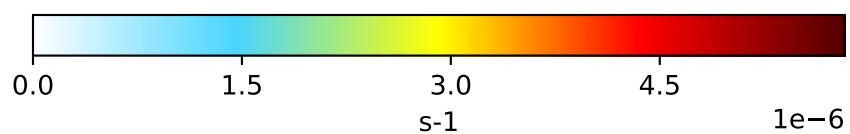
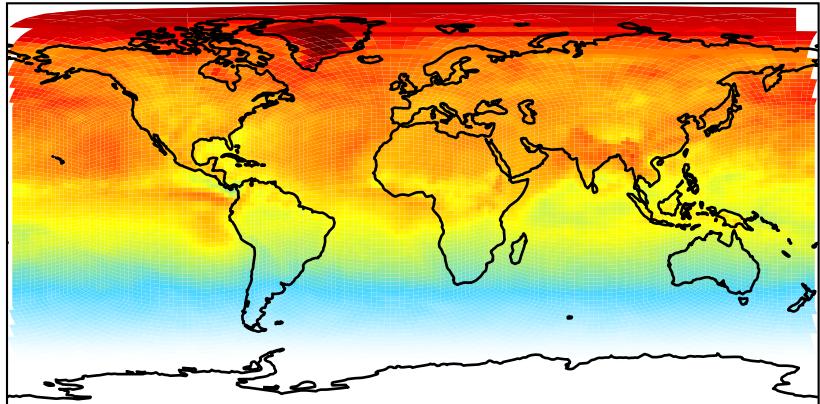


Ratio  
Dev/Ref, Fixed Range

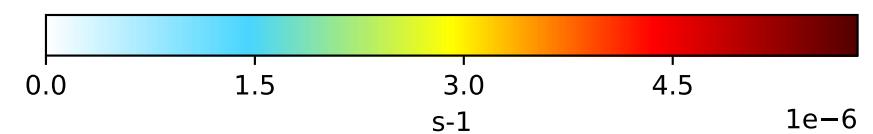
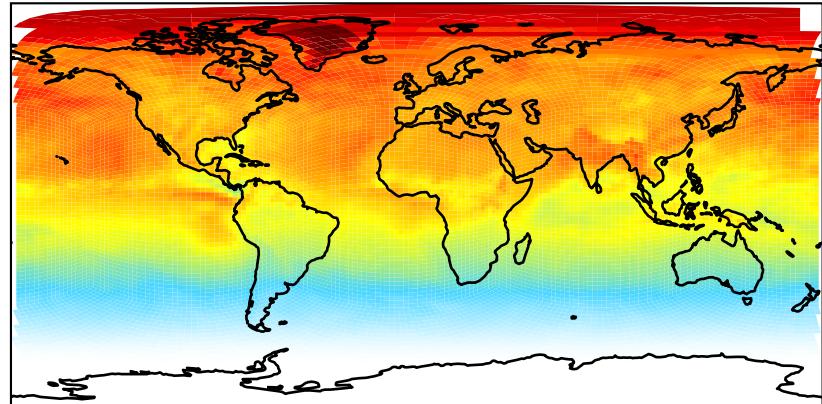


# Jval\_MP

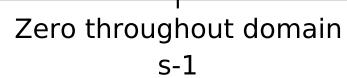
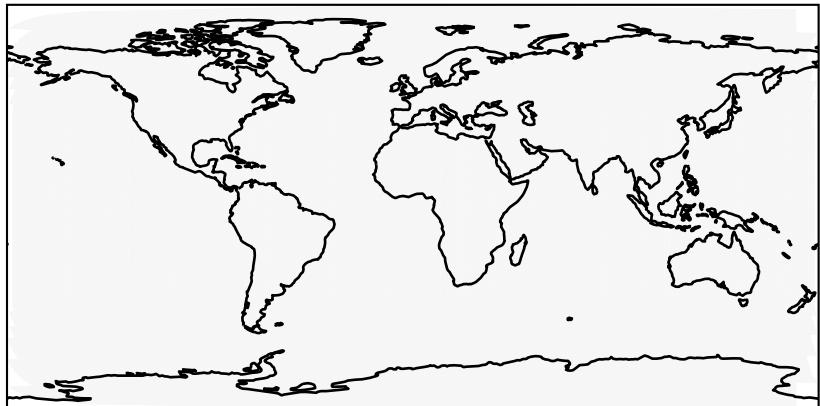
GCHP\_13.2.0-beta.0 (Ref)  
c48



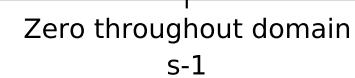
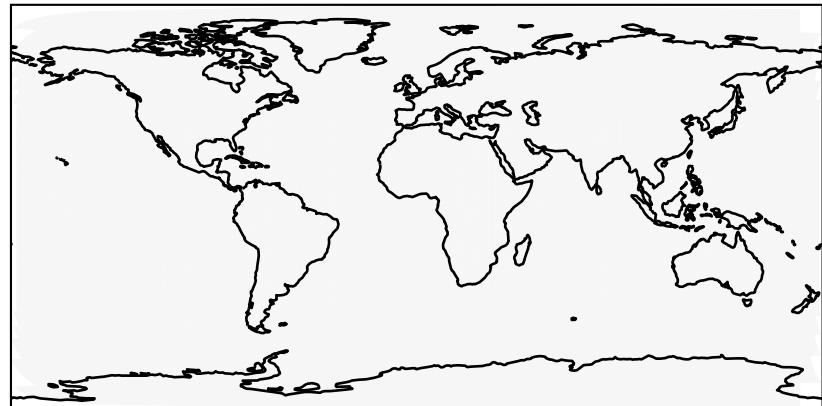
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



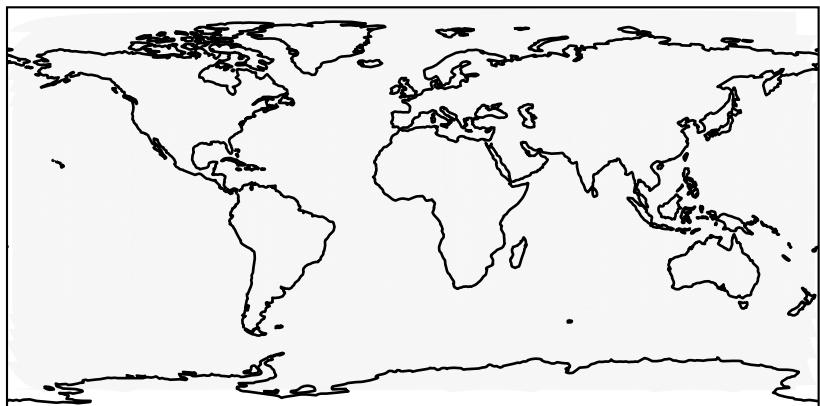
Difference  
Dev - Ref, Dynamic Range



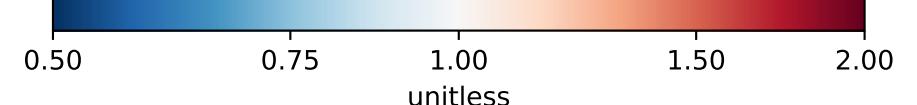
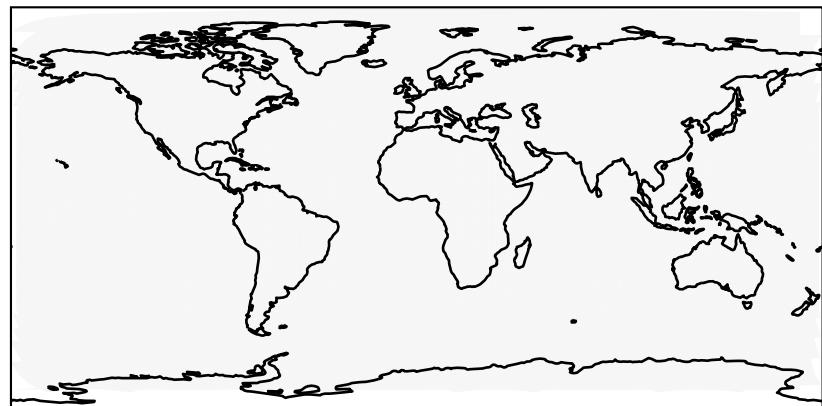
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

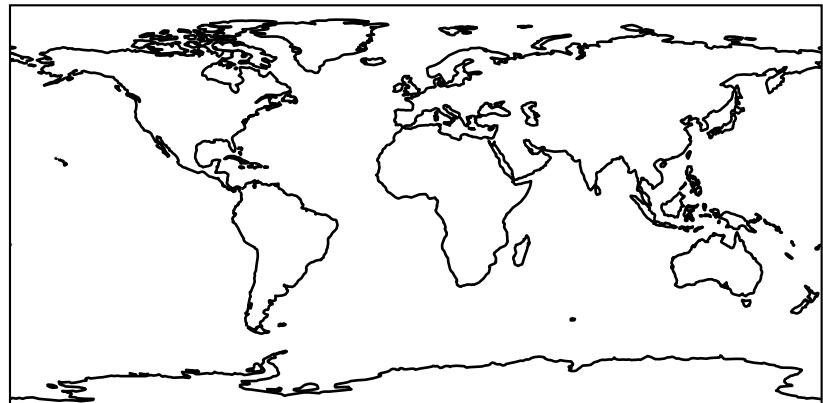


Ratio  
Dev/Ref, Fixed Range



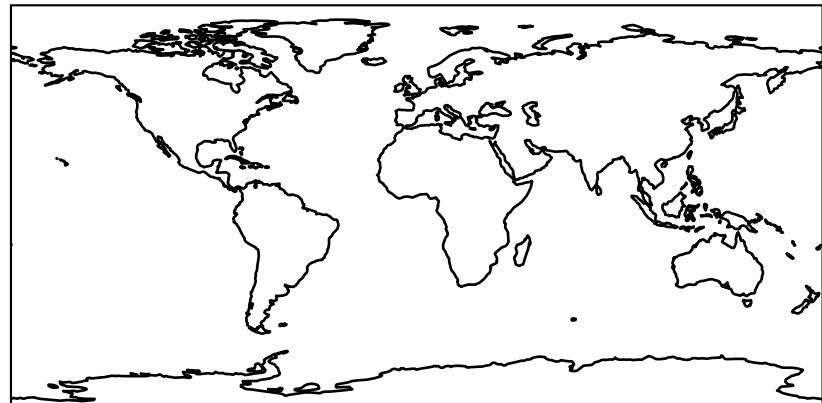
# Jval\_MPAN

GCHP\_13.2.0-beta.0 (Ref)  
c48



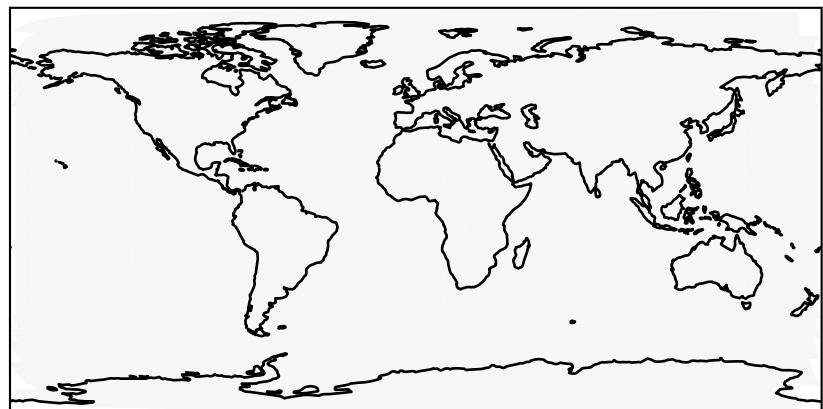
Zero throughout domain  
s-1

GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



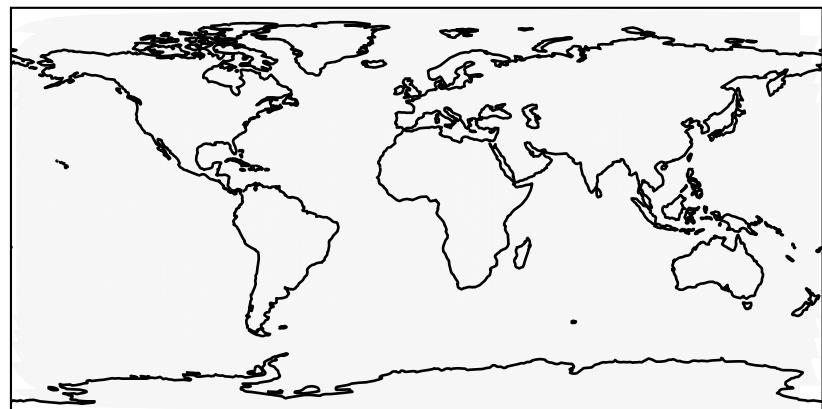
Zero throughout domain  
s-1

Difference  
Dev - Ref, Dynamic Range



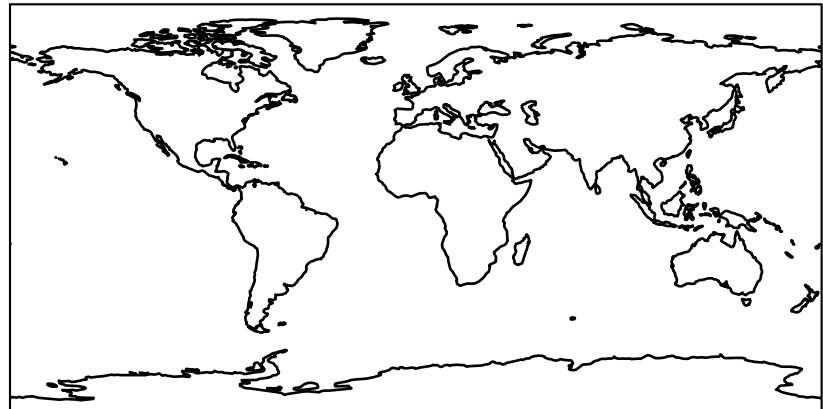
Zero throughout domain  
s-1

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



Zero throughout domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



Undefined throughout domain  
unitless

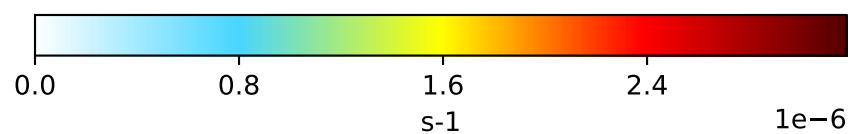
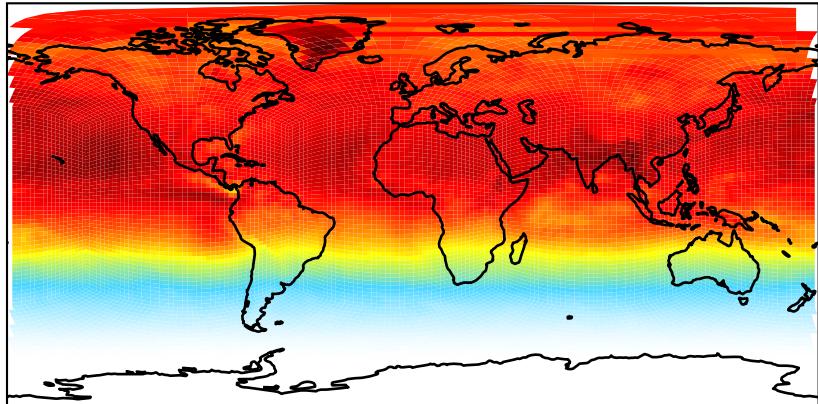
Ratio  
Dev/Ref, Fixed Range



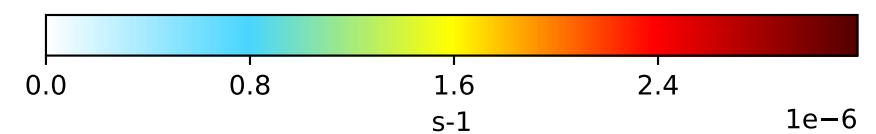
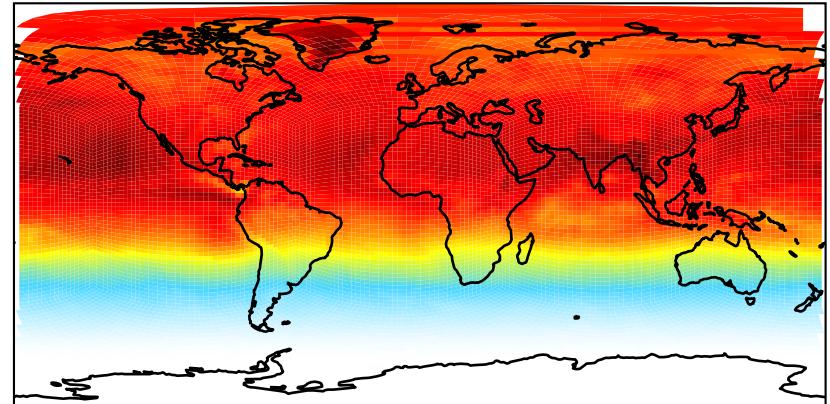
Undefined throughout domain  
unitless

# Jval\_MPNN

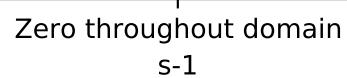
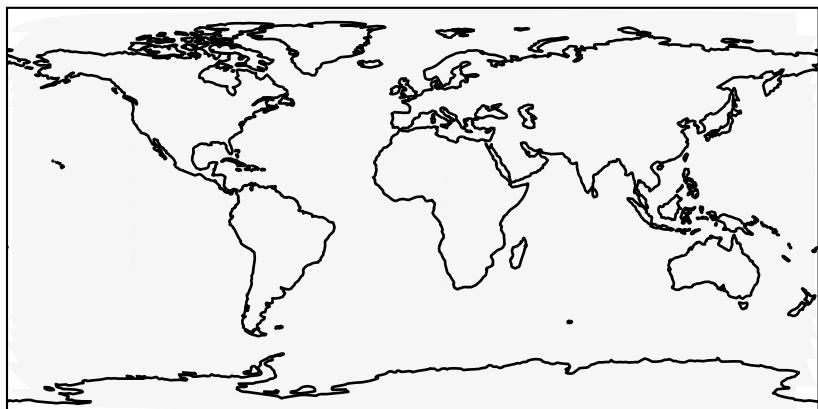
GCHP\_13.2.0-beta.0 (Ref)  
c48



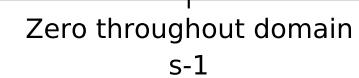
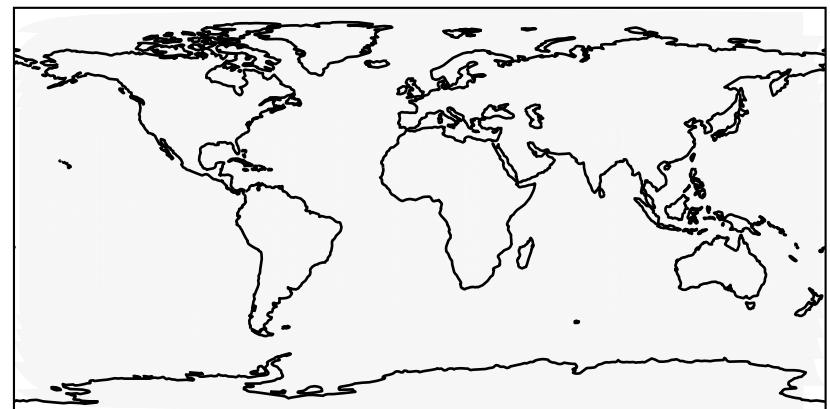
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



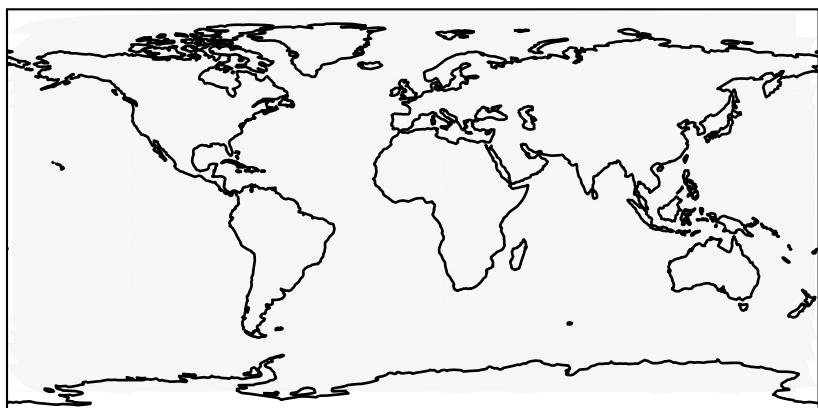
Difference  
Dev - Ref, Dynamic Range



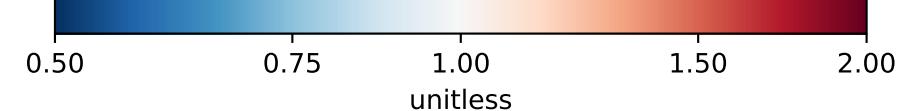
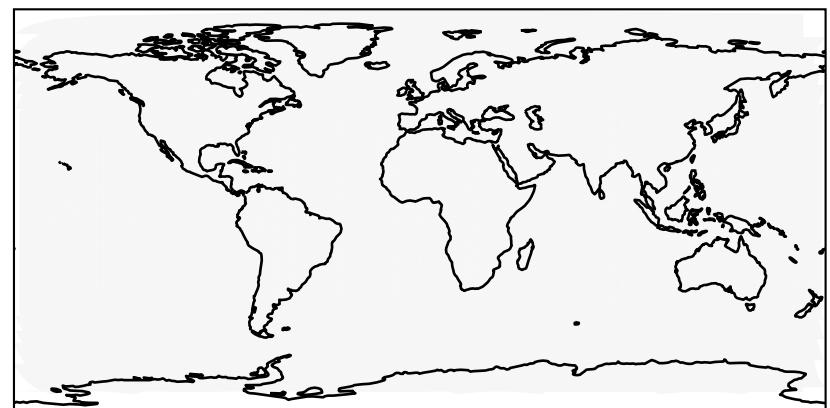
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

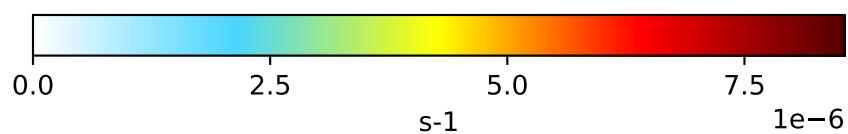
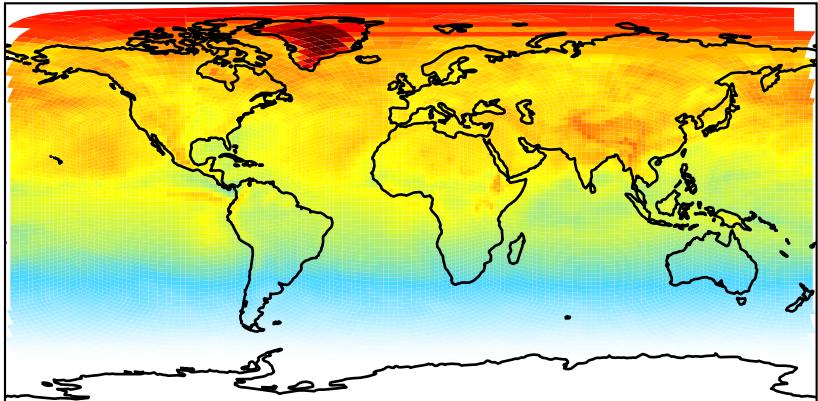


Ratio  
Dev/Ref, Fixed Range

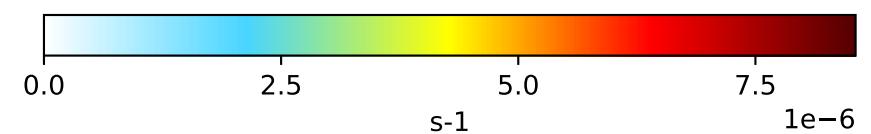
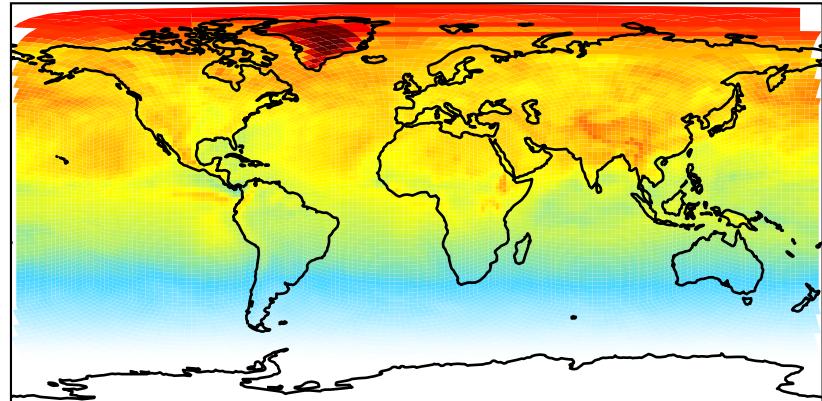


# Jval\_MVK

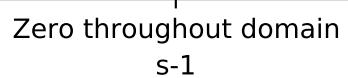
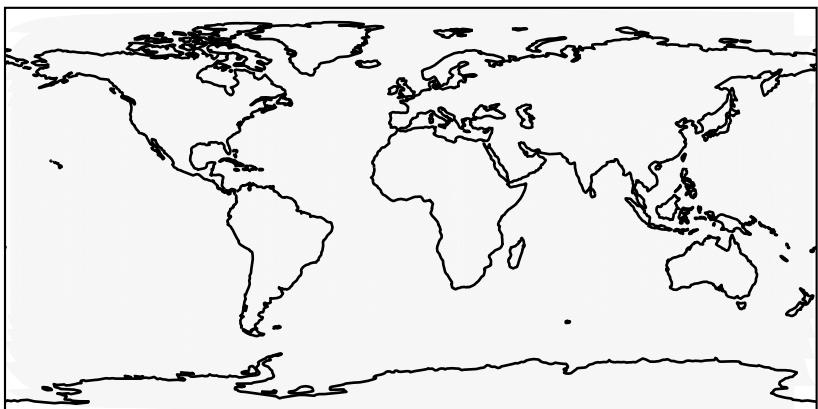
GCHP\_13.2.0-beta.0 (Ref)  
c48



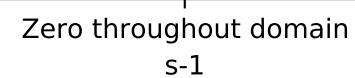
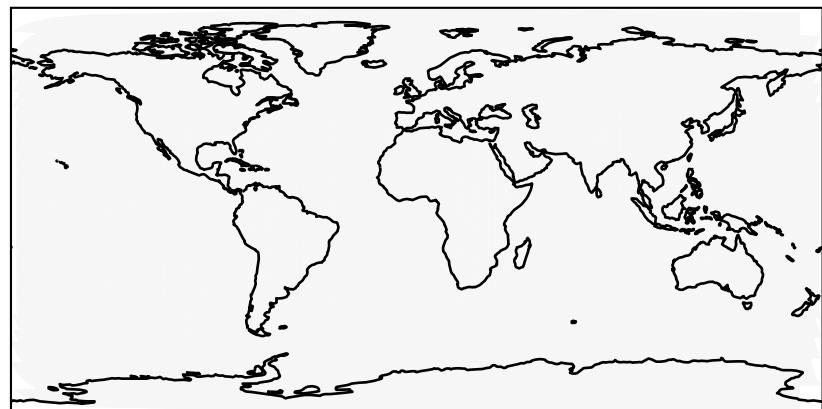
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



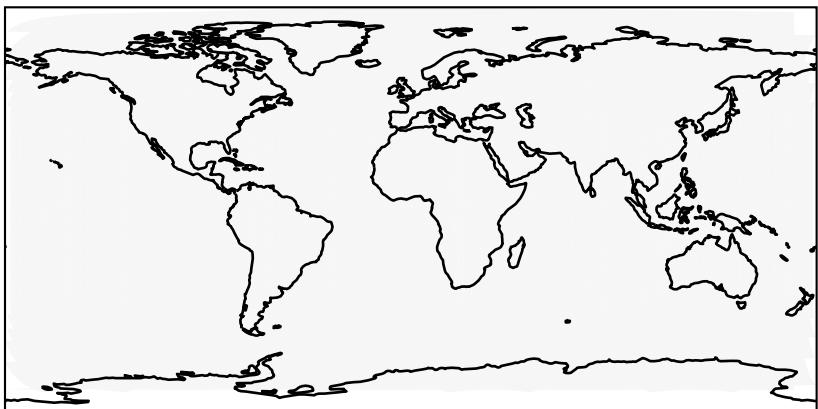
Difference  
Dev - Ref, Dynamic Range



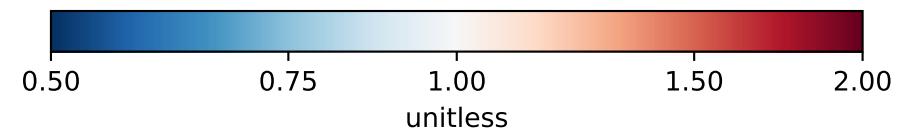
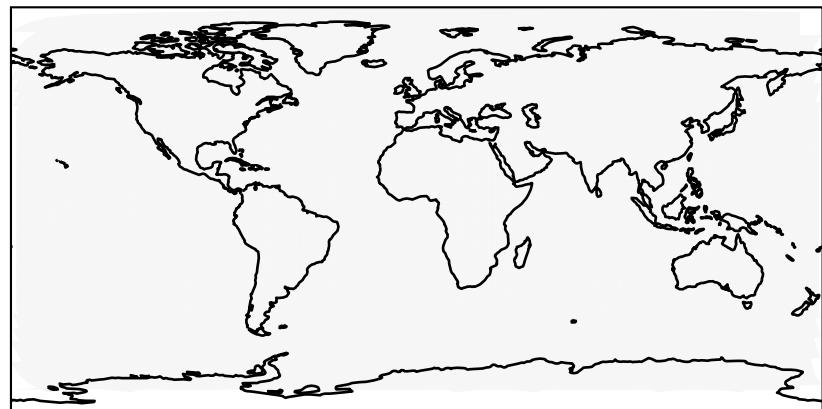
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

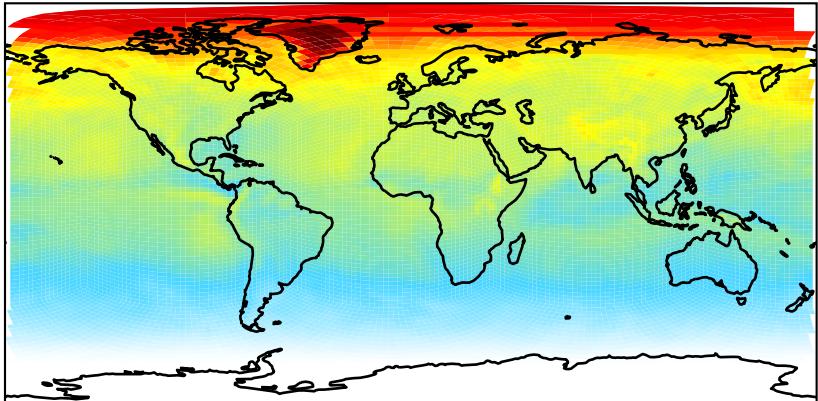


Ratio  
Dev/Ref, Fixed Range

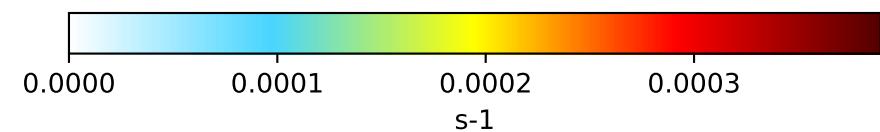
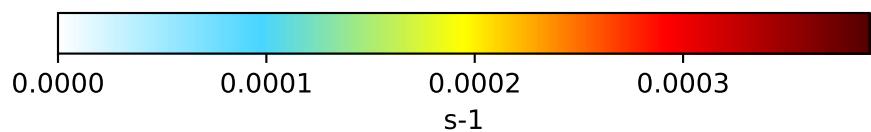
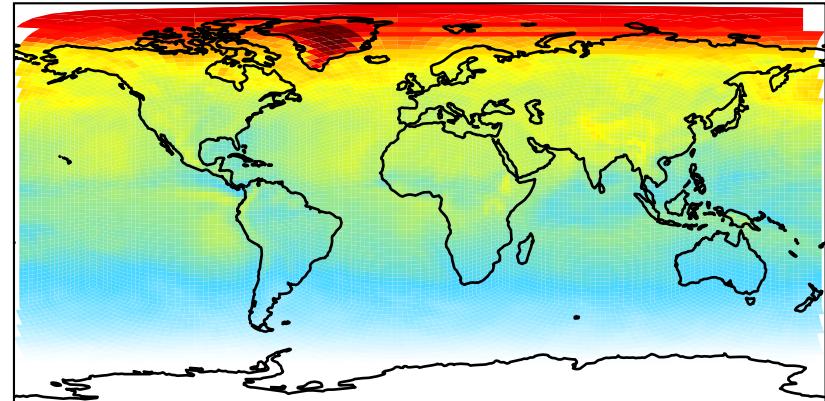


# Jval\_MVKHC

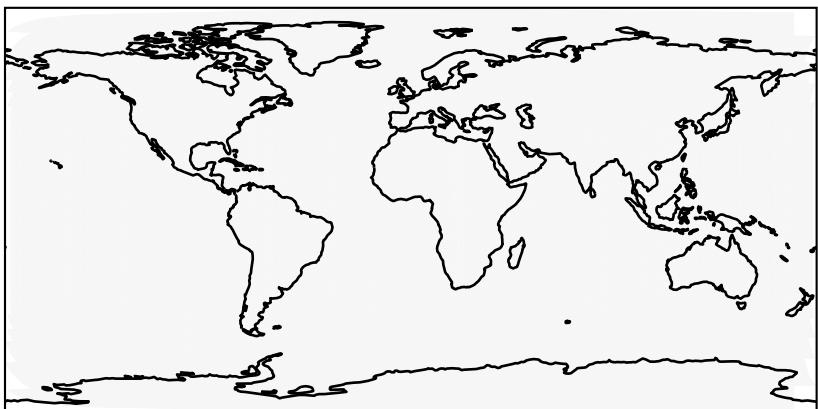
GCHP\_13.2.0-beta.0 (Ref)  
c48



GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48

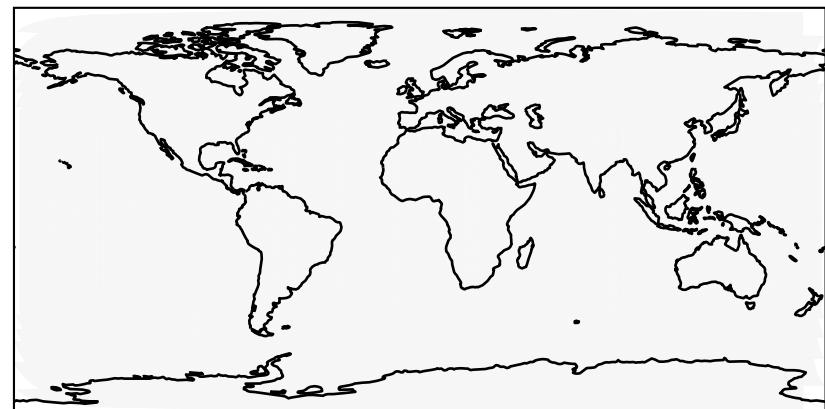


Difference  
Dev - Ref, Dynamic Range



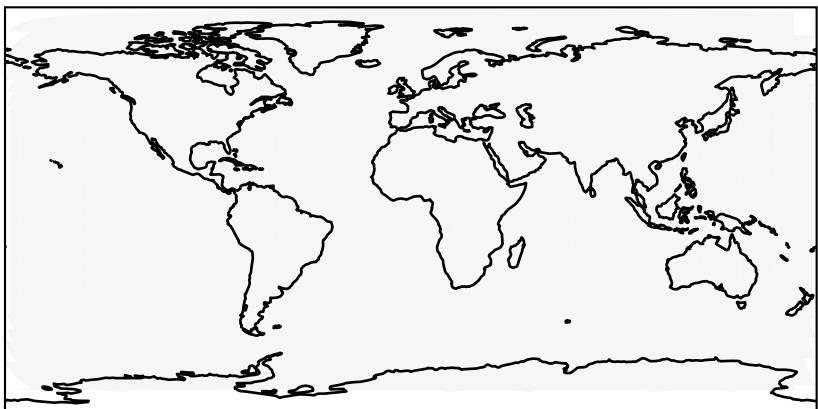
Zero throughout domain  
s-1

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



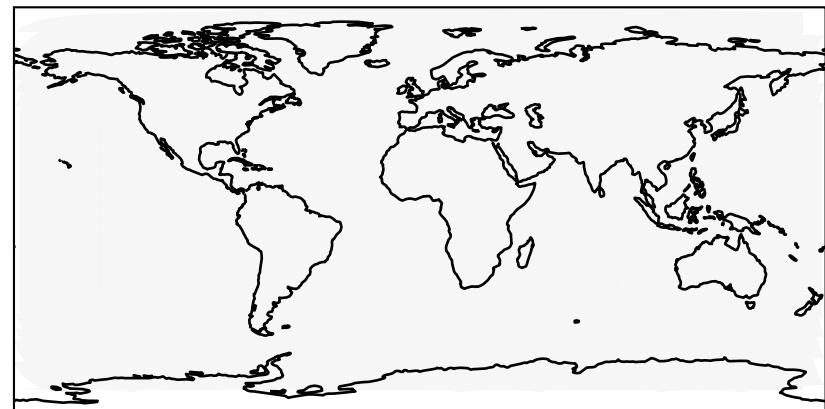
Zero throughout domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



0.90    0.96    1.02    1.08  
unitless

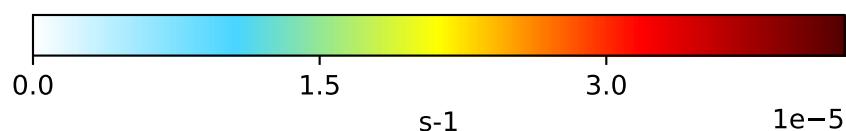
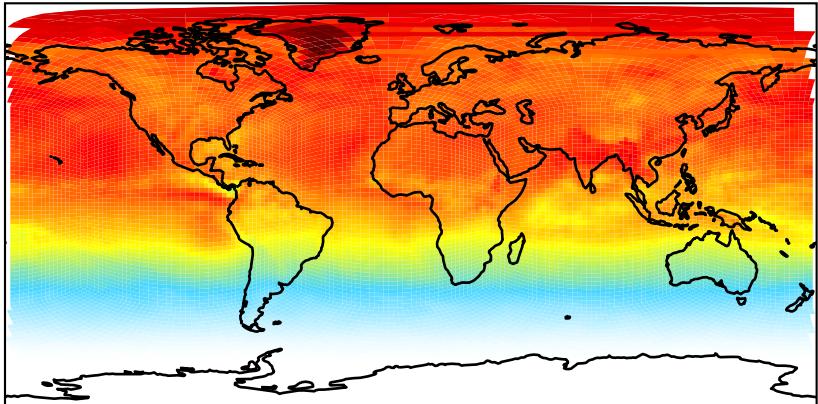
Ratio  
Dev/Ref, Fixed Range



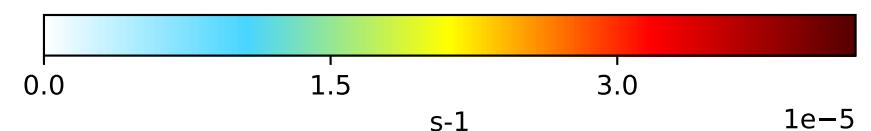
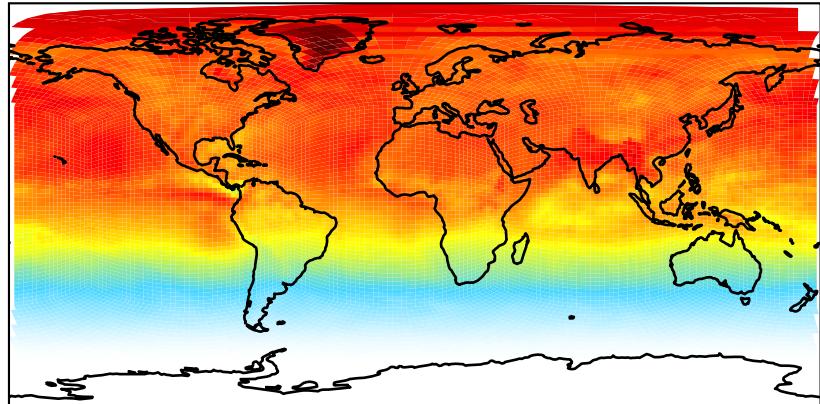
0.50    0.75    1.00    1.50    2.00  
unitless

# Jval\_MVKHCB

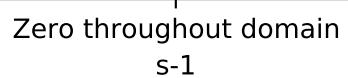
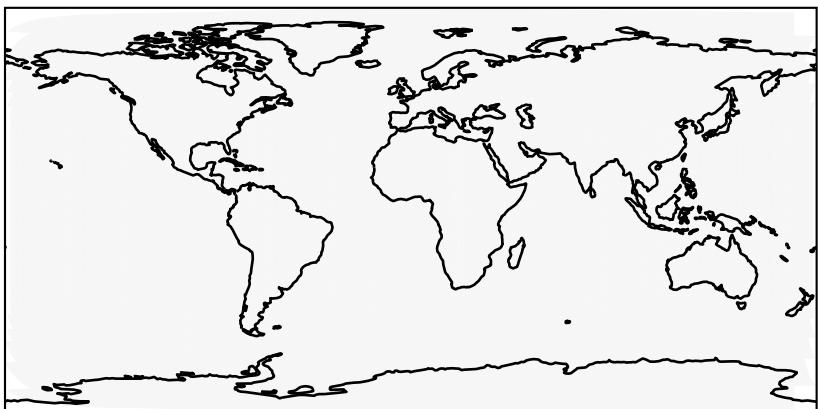
GCHP\_13.2.0-beta.0 (Ref)  
c48



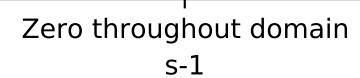
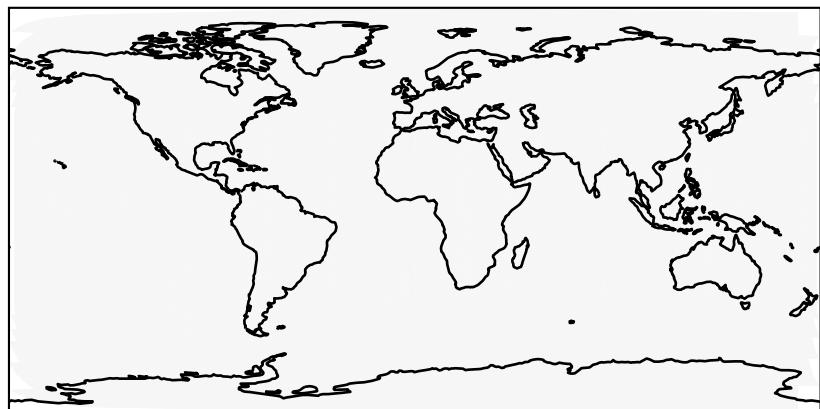
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



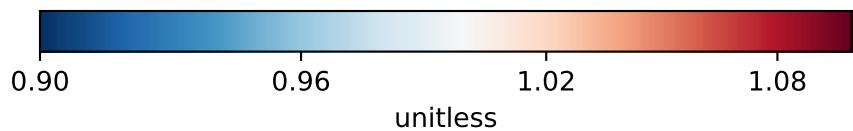
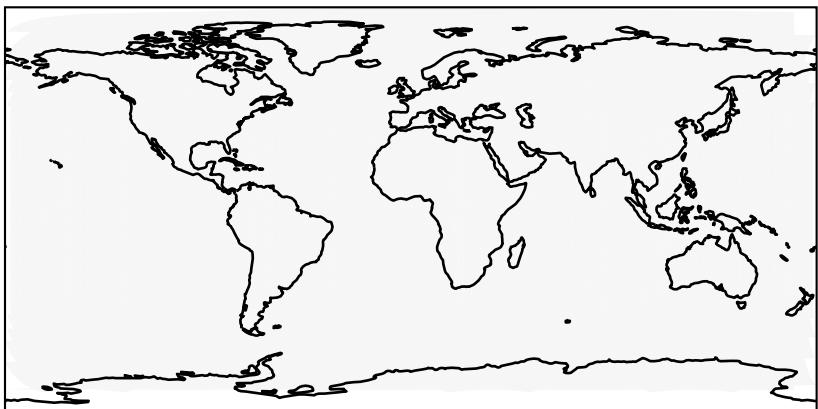
Difference  
Dev - Ref, Dynamic Range



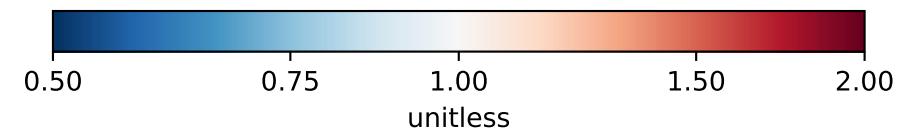
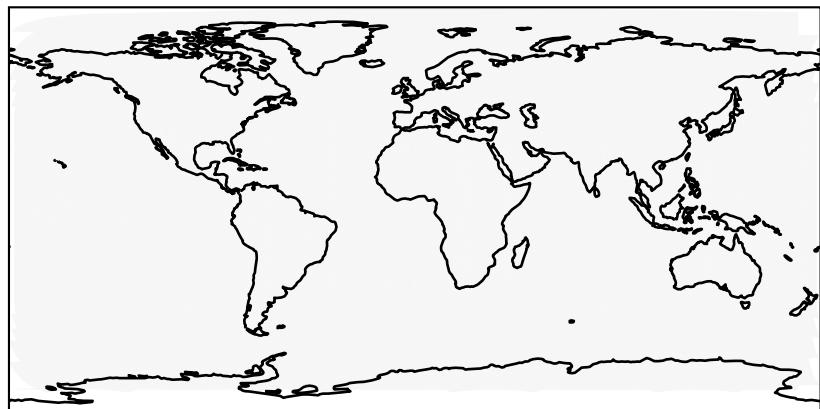
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

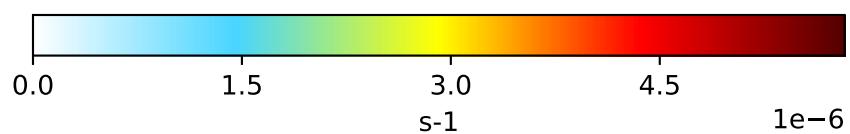
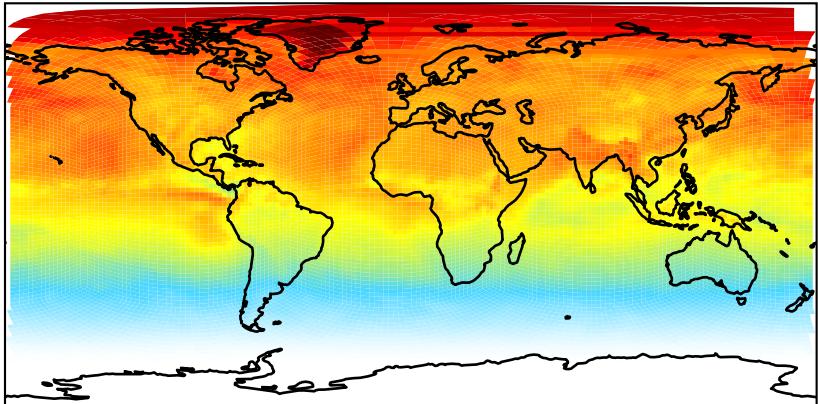


Ratio  
Dev/Ref, Fixed Range

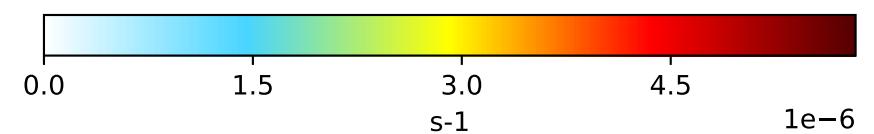
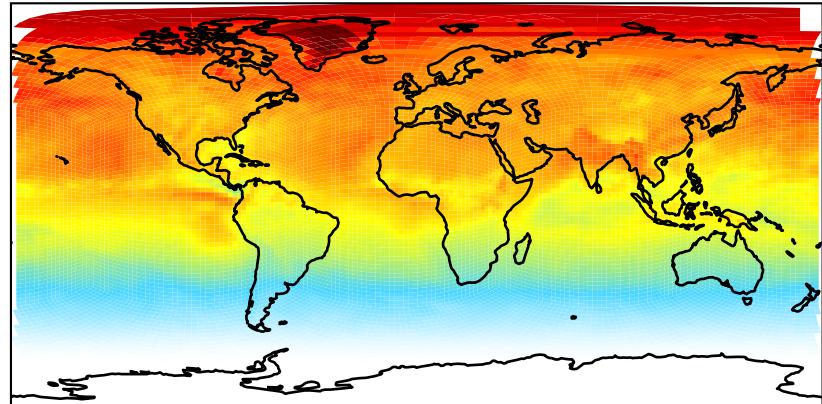


# Jval\_MVKHP

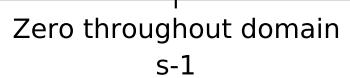
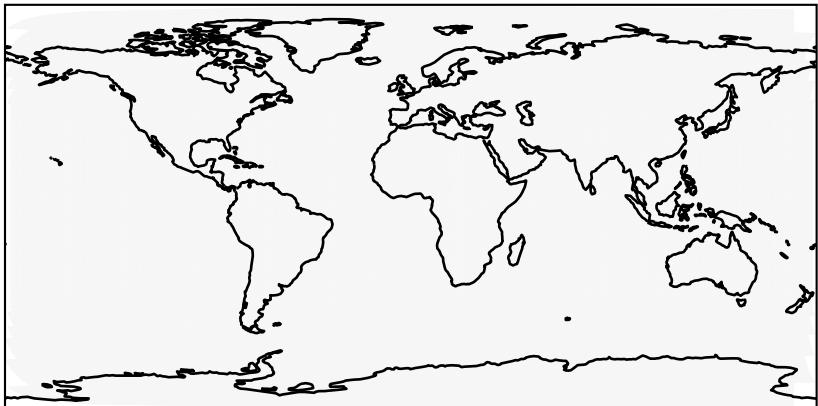
GCHP\_13.2.0-beta.0 (Ref)  
c48



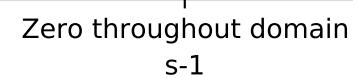
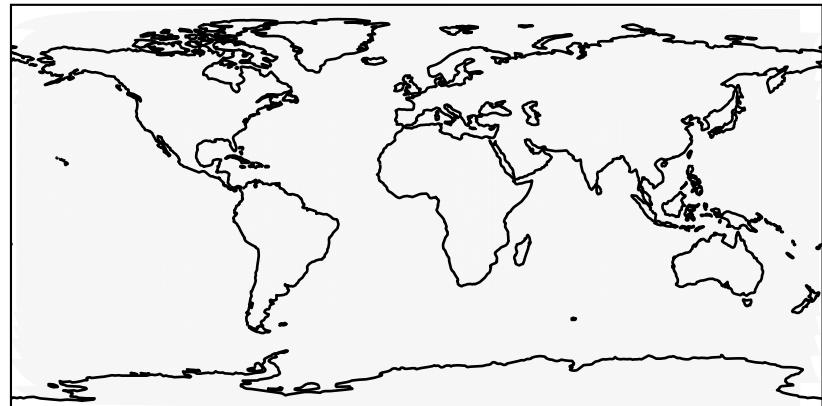
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



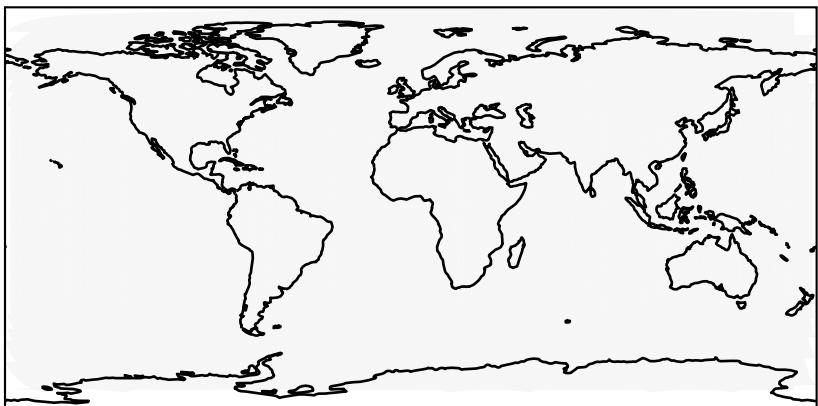
Difference  
Dev - Ref, Dynamic Range



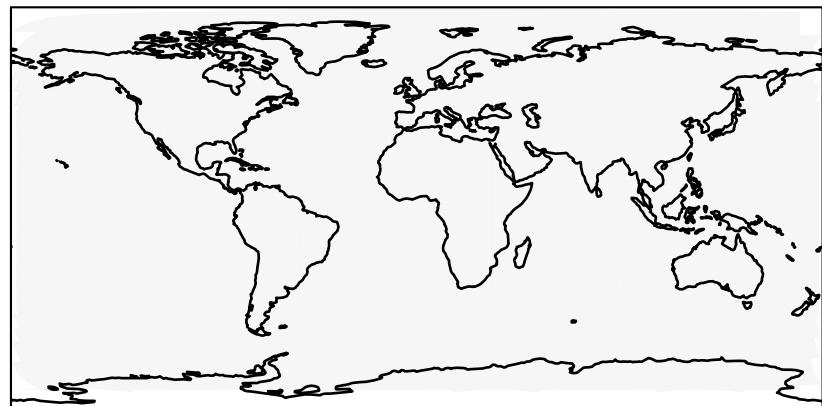
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

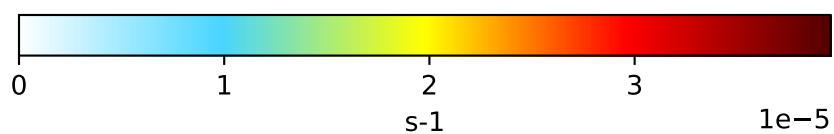
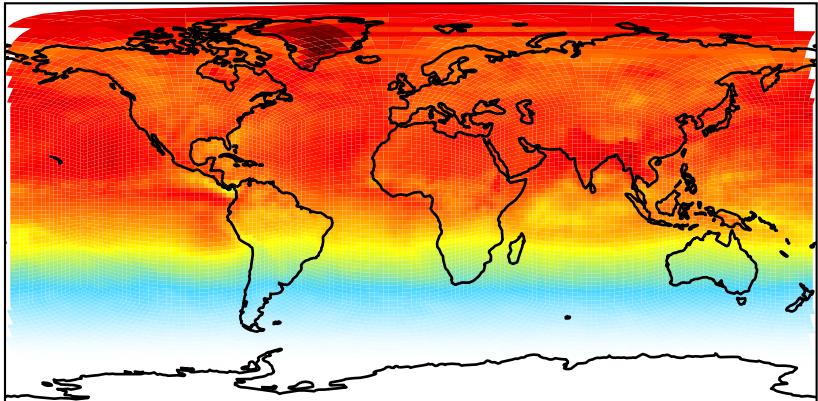


Ratio  
Dev/Ref, Fixed Range

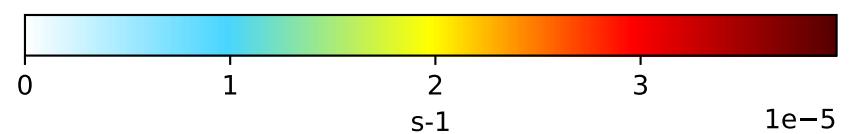
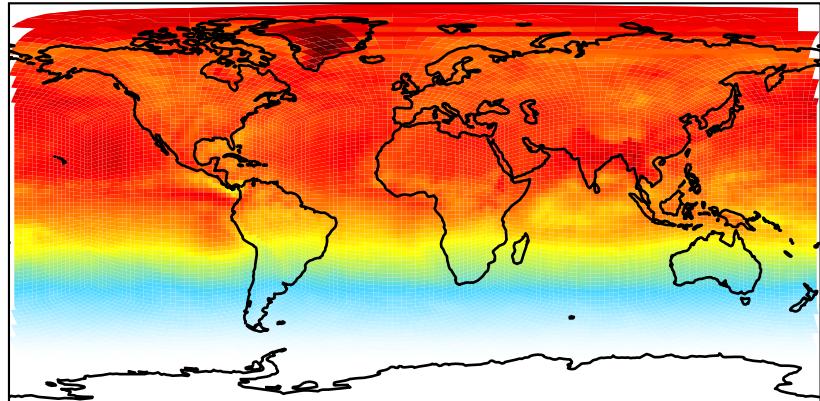


# Jval\_MVKN

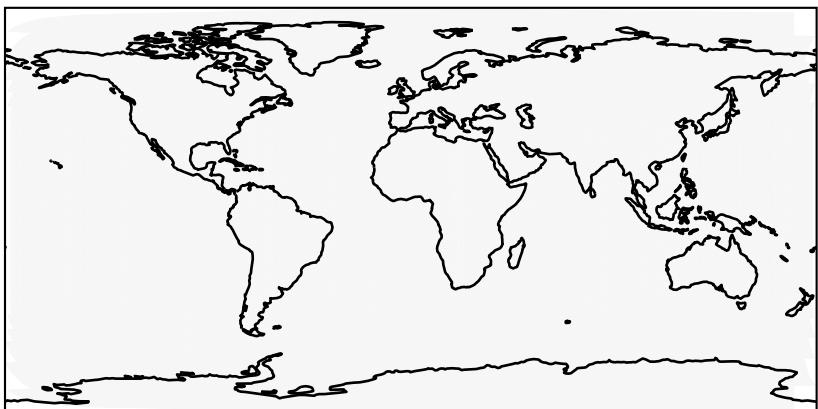
GCHP\_13.2.0-beta.0 (Ref)  
c48



GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48

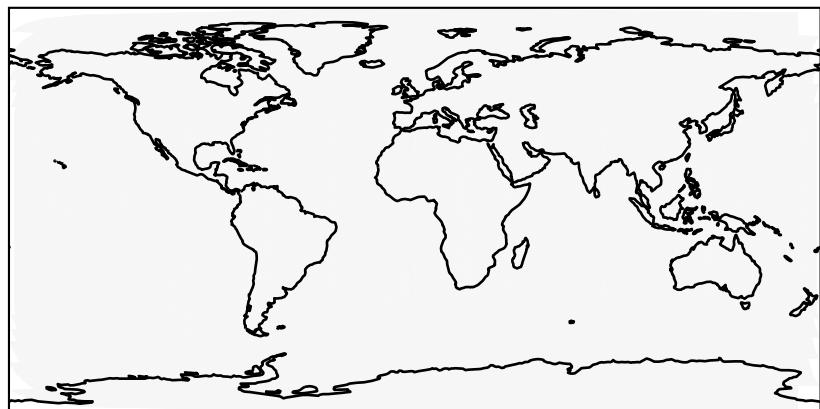


Difference  
Dev - Ref, Dynamic Range



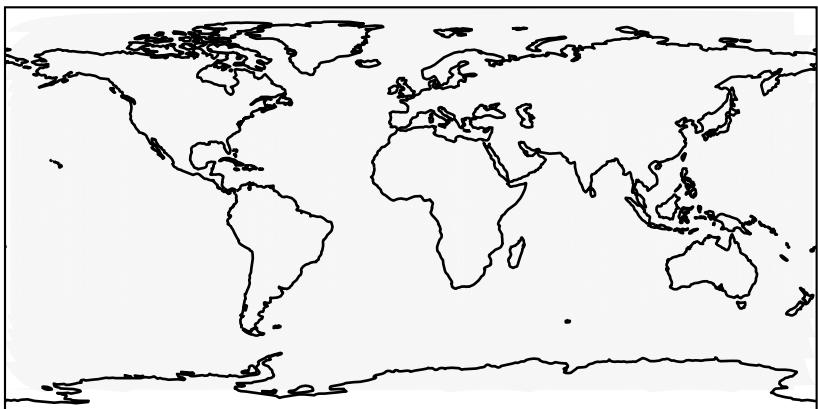
Zero throughout domain  
s $^{-1}$

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



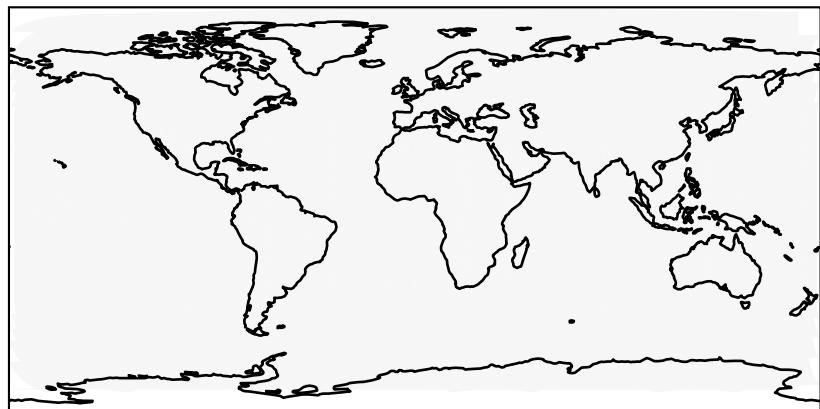
Zero throughout domain  
s $^{-1}$

Ratio  
Dev/Ref, Dynamic Range



0.90      0.96      1.02      1.08  
unitless

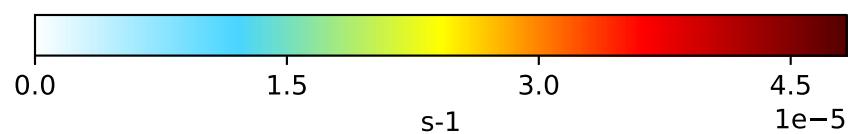
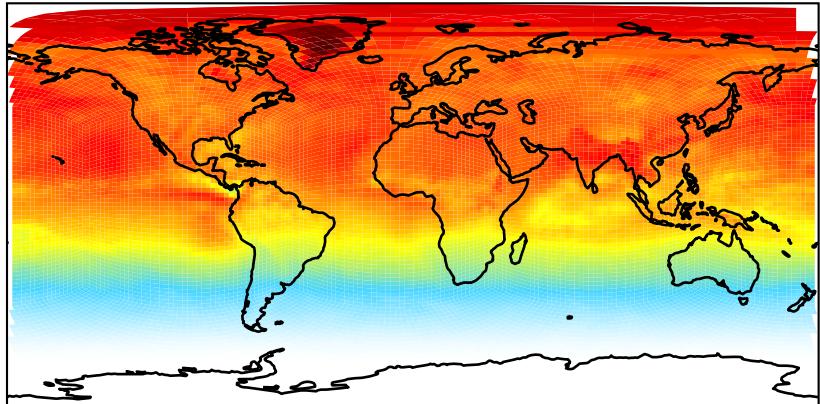
Ratio  
Dev/Ref, Fixed Range



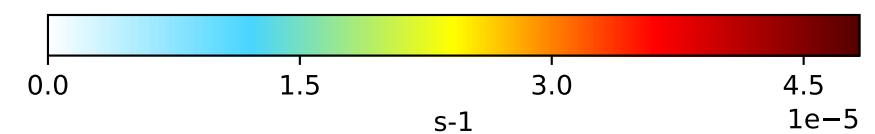
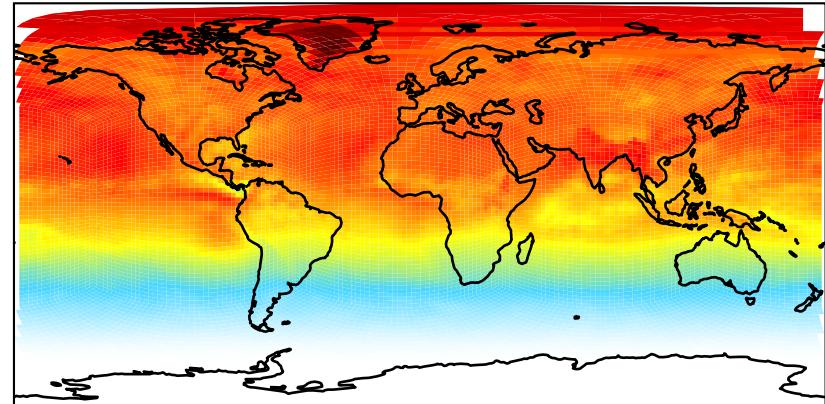
0.50      0.75      1.00      1.50      2.00  
unitless

# Jval\_MVKPC

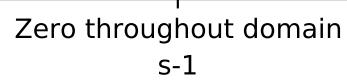
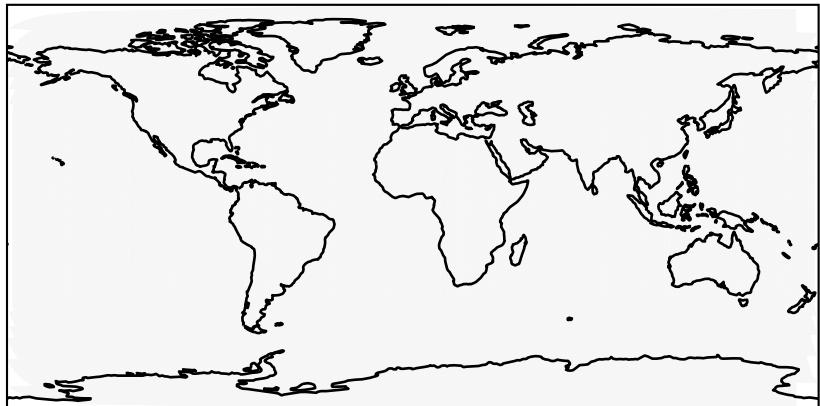
GCHP\_13.2.0-beta.0 (Ref)  
c48



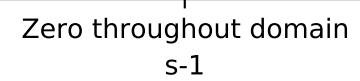
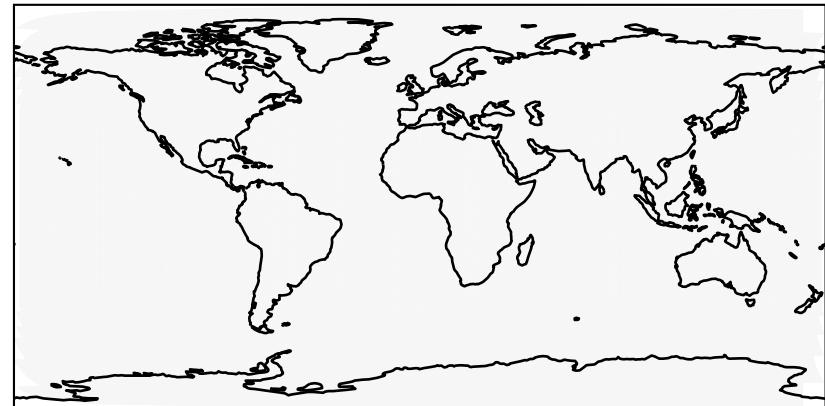
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



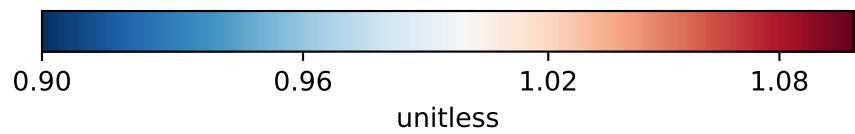
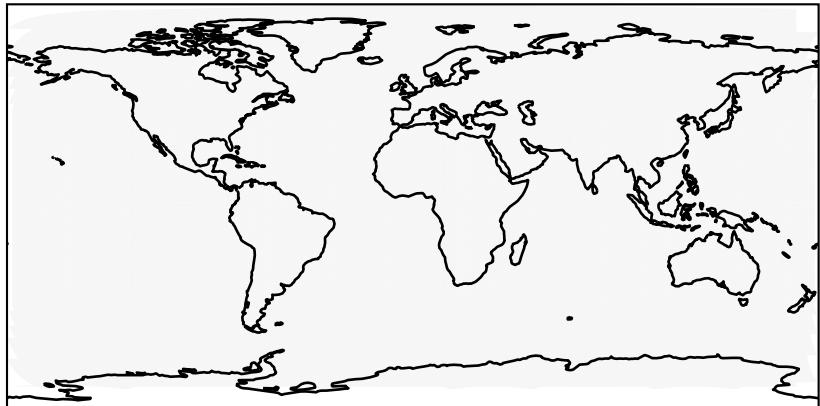
Difference  
Dev - Ref, Dynamic Range



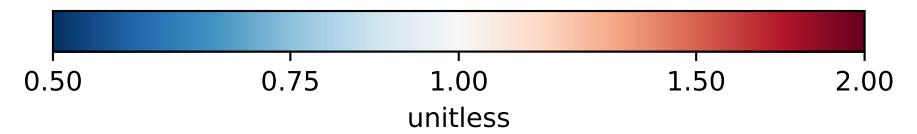
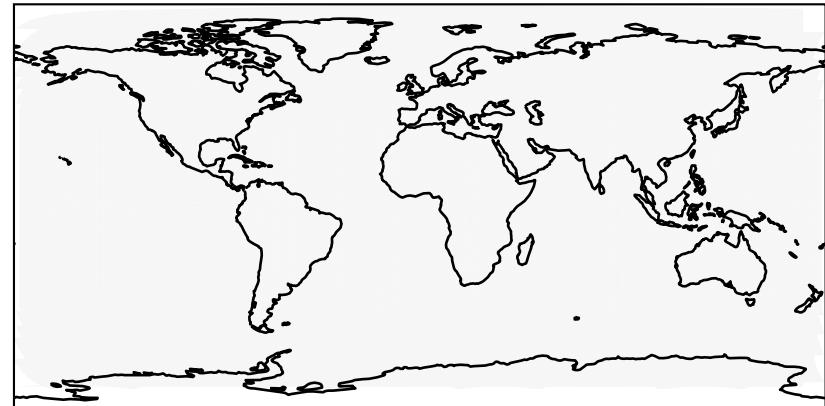
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

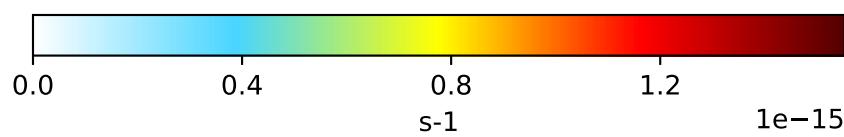
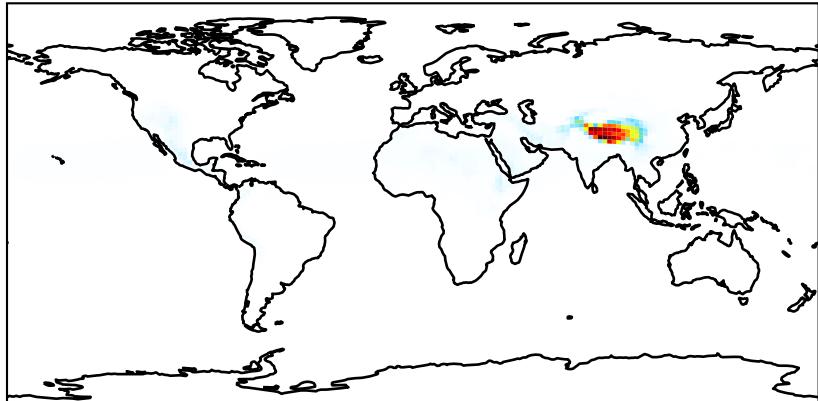


Ratio  
Dev/Ref, Fixed Range

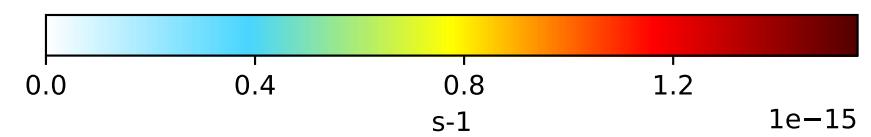
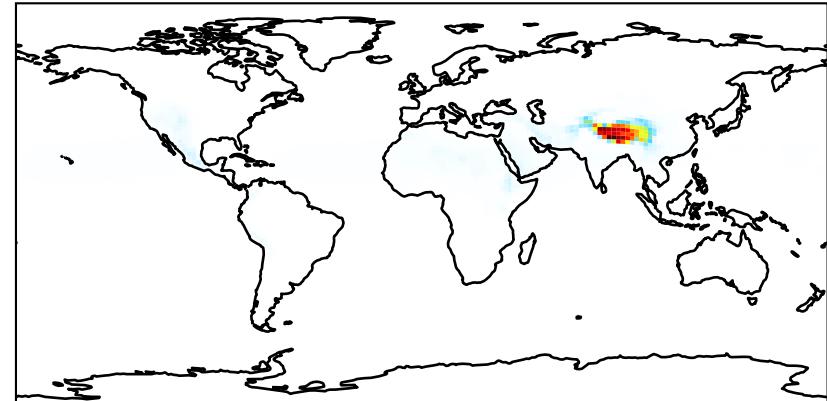


# Jval\_N20

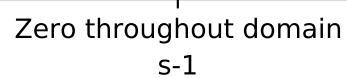
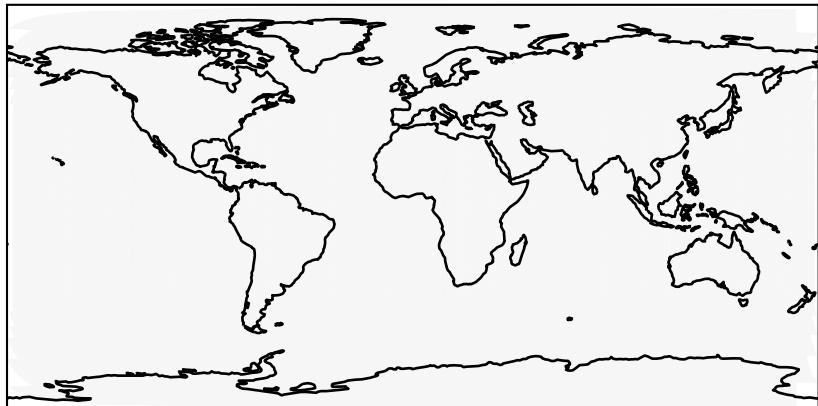
GCHP\_13.2.0-beta.0 (Ref)  
c48



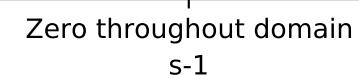
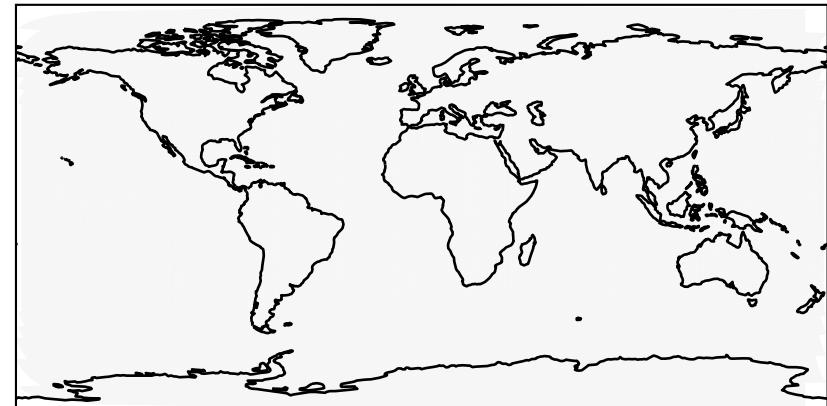
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



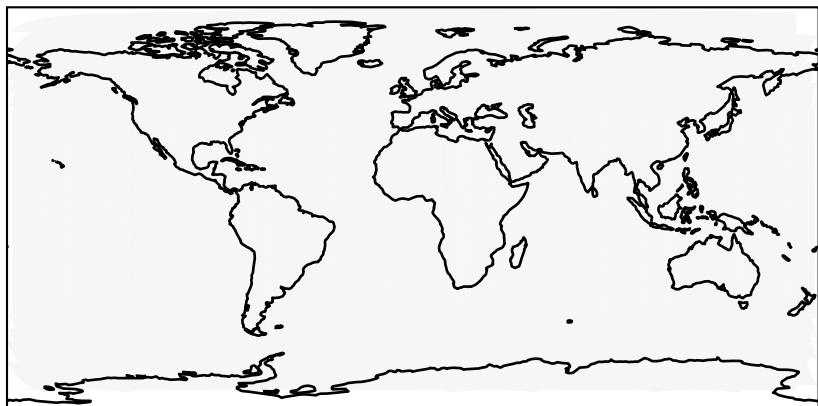
Difference  
Dev - Ref, Dynamic Range



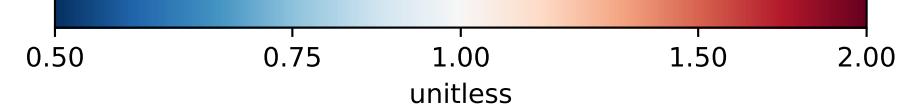
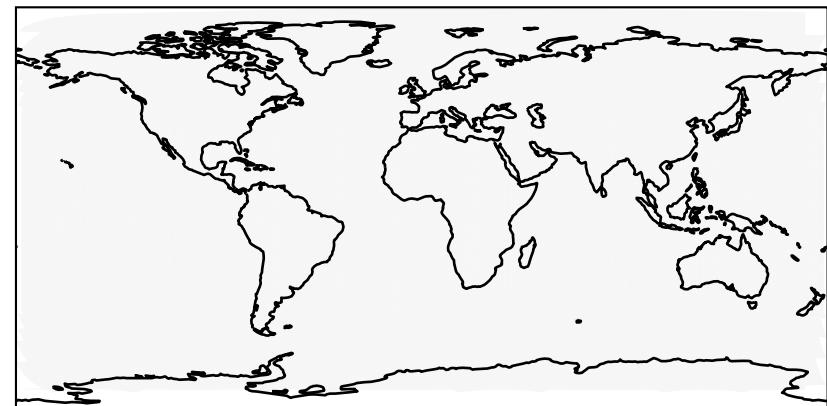
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

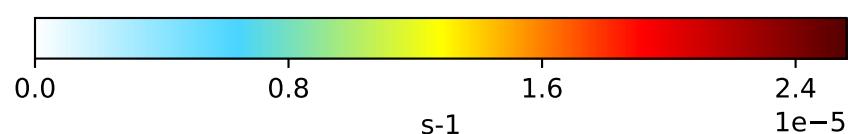
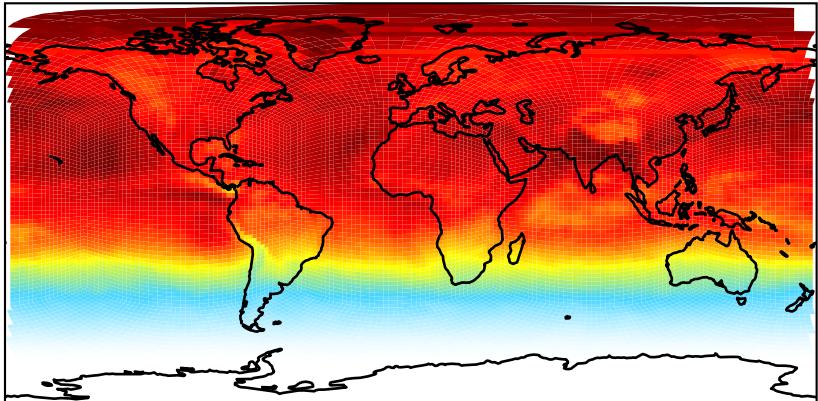


Ratio  
Dev/Ref, Fixed Range

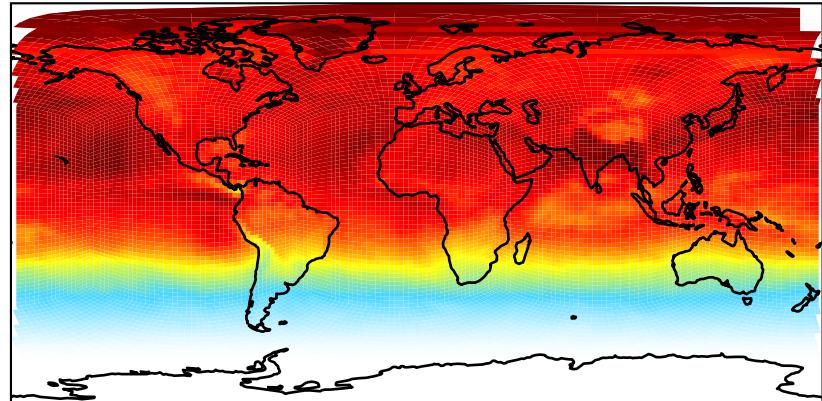


# Jval\_N205

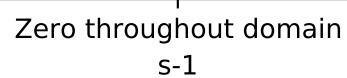
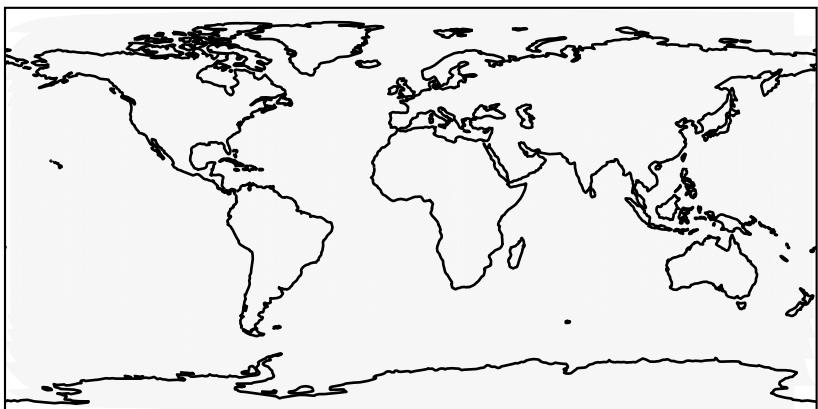
GCHP\_13.2.0-beta.0 (Ref)  
c48



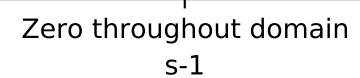
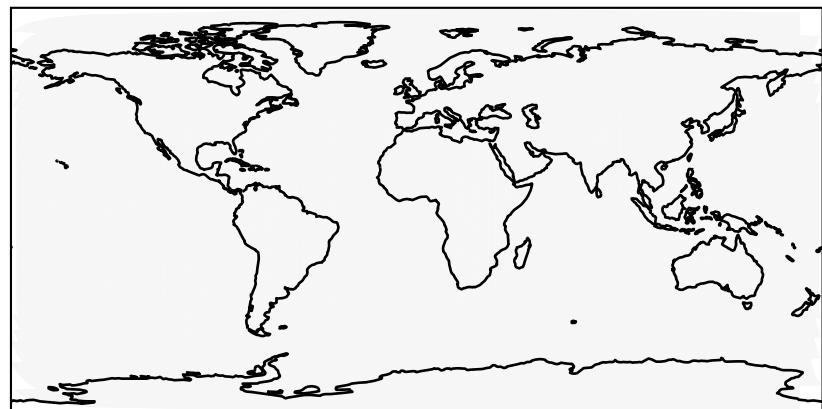
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



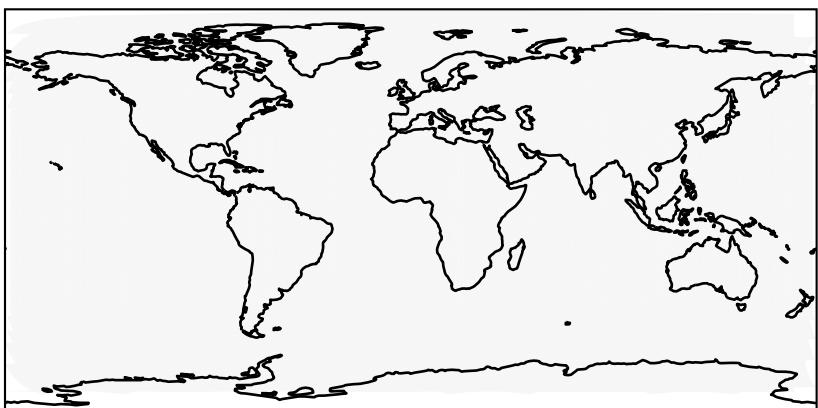
Difference  
Dev - Ref, Dynamic Range



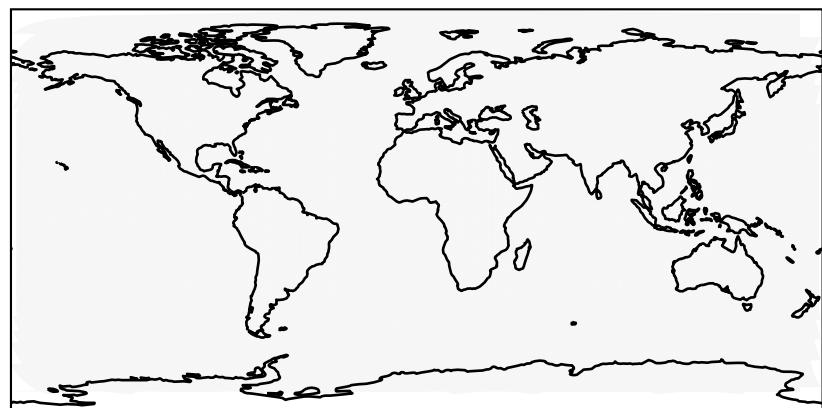
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

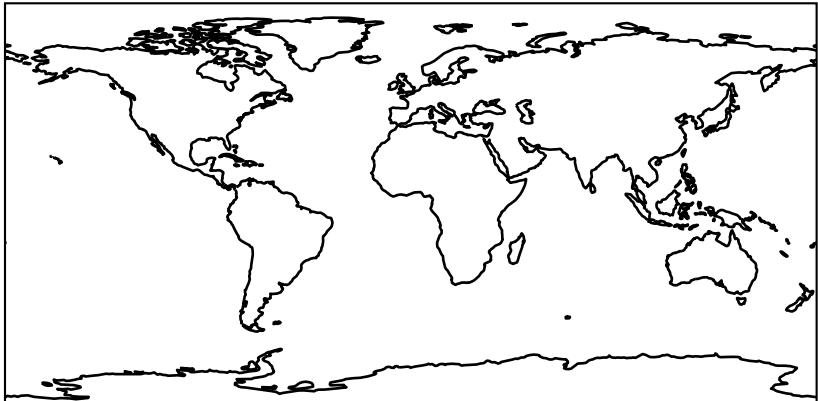


Ratio  
Dev/Ref, Fixed Range



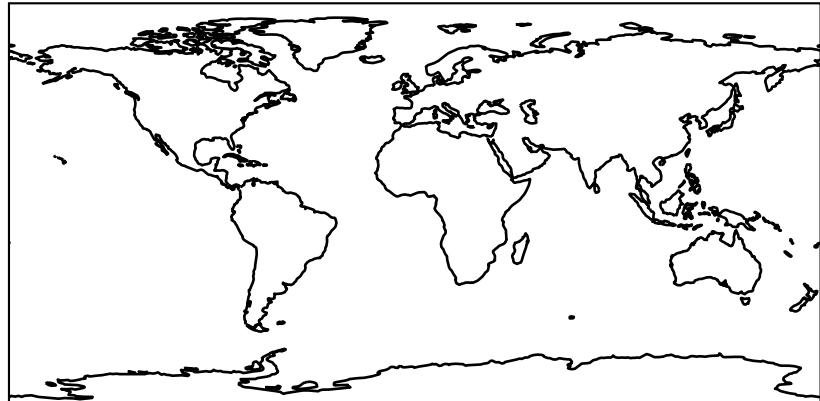
# Jval\_NIT

GCHP\_13.2.0-beta.0 (Ref)  
c48



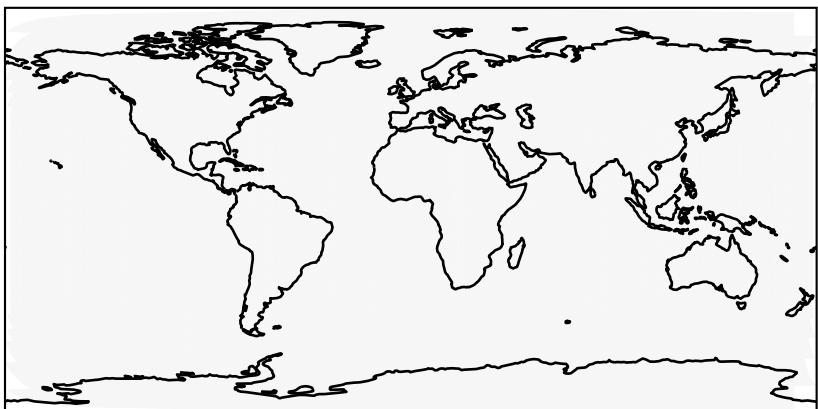
Zero throughout domain  
s-1

GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



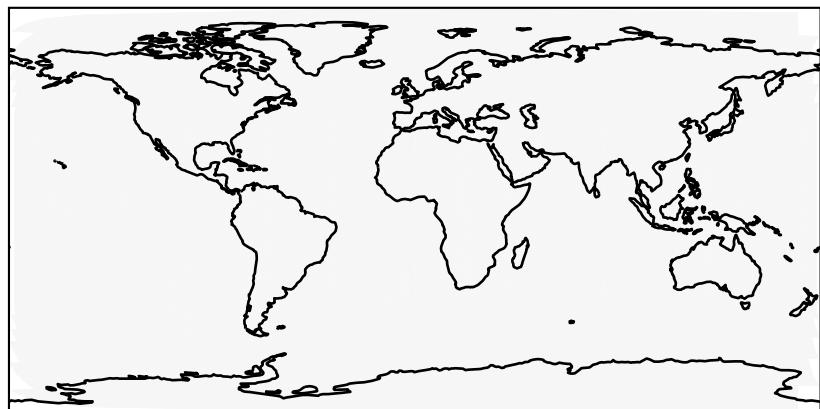
Zero throughout domain  
s-1

Difference  
Dev - Ref, Dynamic Range



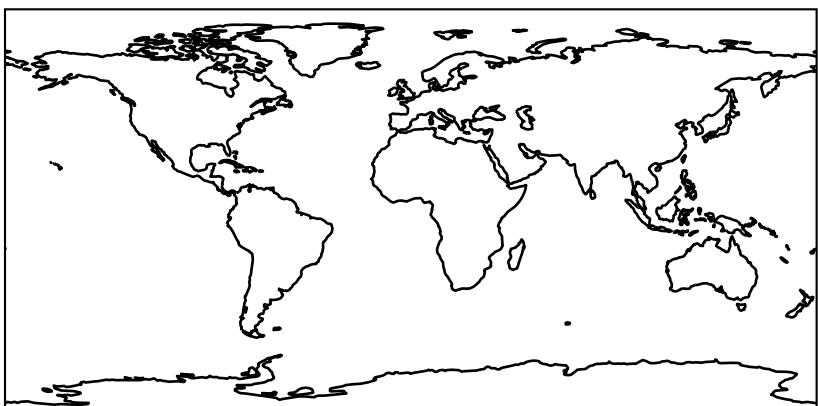
Zero throughout domain  
s-1

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



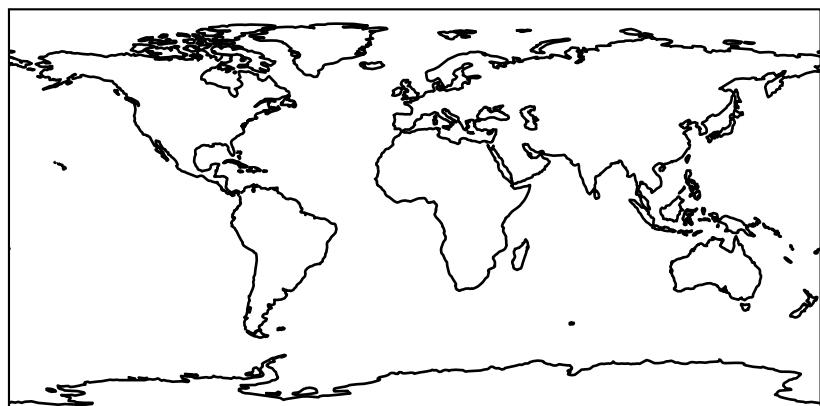
Zero throughout domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



Undefined throughout domain  
unitless

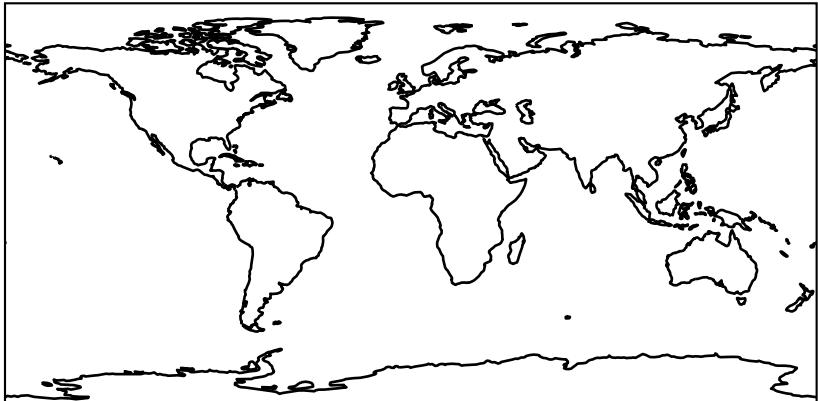
Ratio  
Dev/Ref, Fixed Range



Undefined throughout domain  
unitless

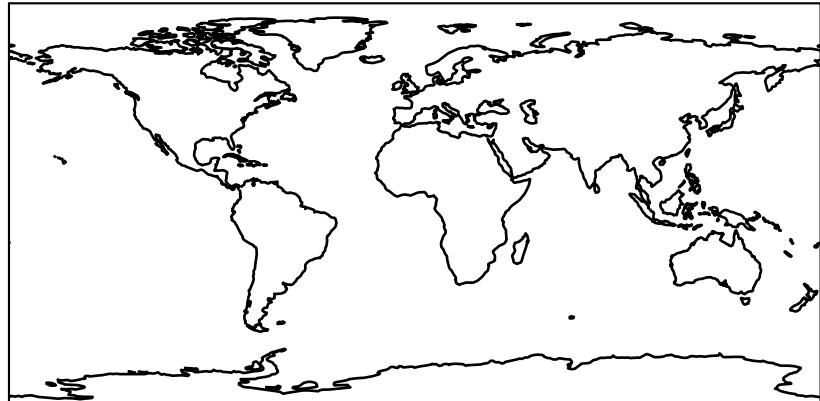
# Jval\_NITs

GCHP\_13.2.0-beta.0 (Ref)  
c48



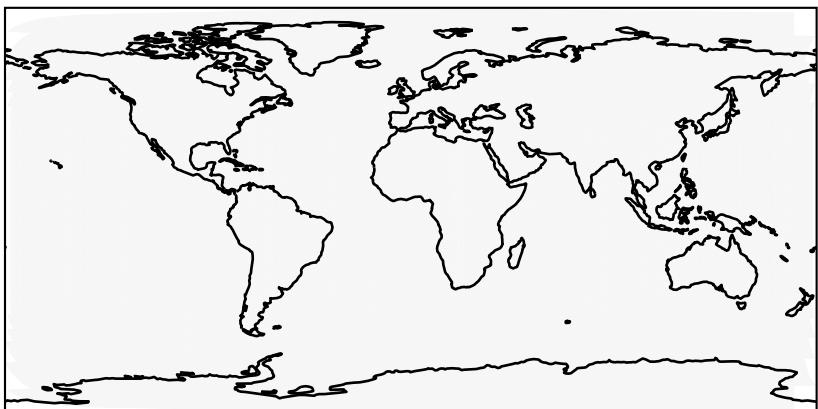
Zero throughout domain  
s-1

GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



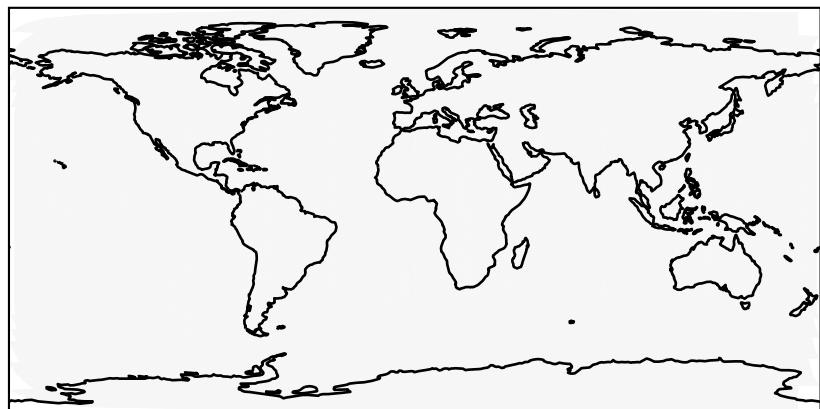
Zero throughout domain  
s-1

Difference  
Dev - Ref, Dynamic Range



Zero throughout domain  
s-1

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



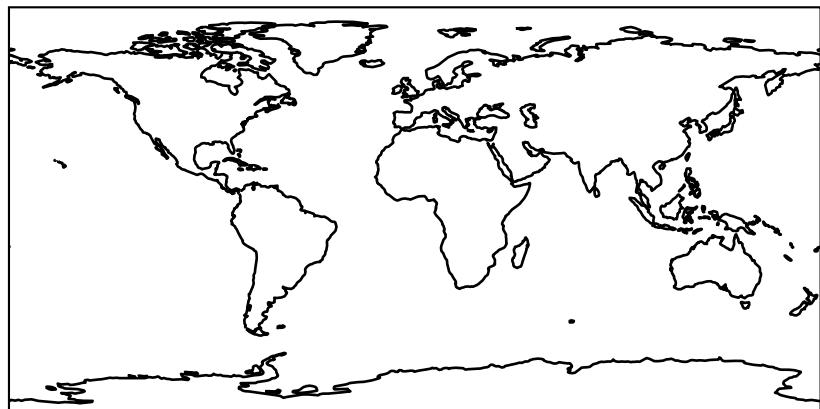
Zero throughout domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



Undefined throughout domain  
unitless

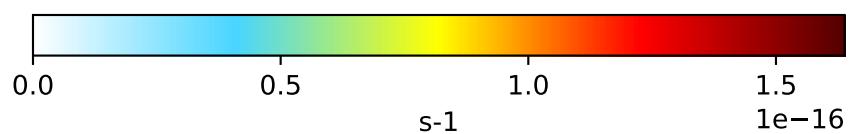
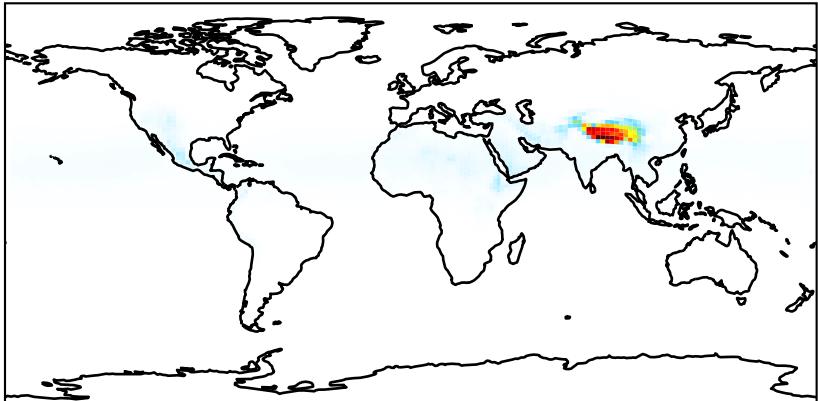
Ratio  
Dev/Ref, Fixed Range



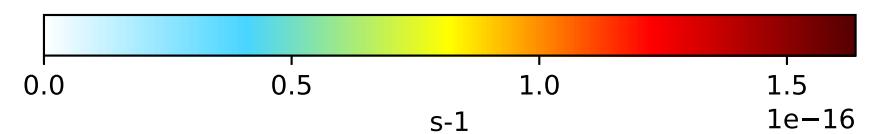
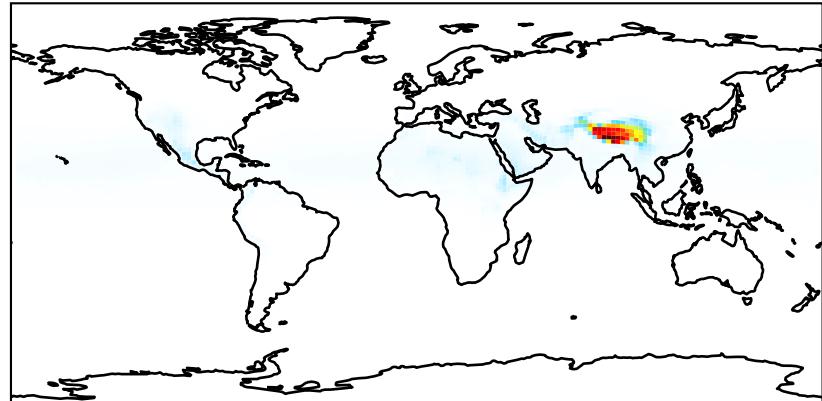
Undefined throughout domain  
unitless

# Jval\_NO

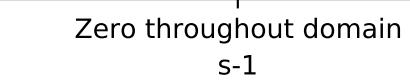
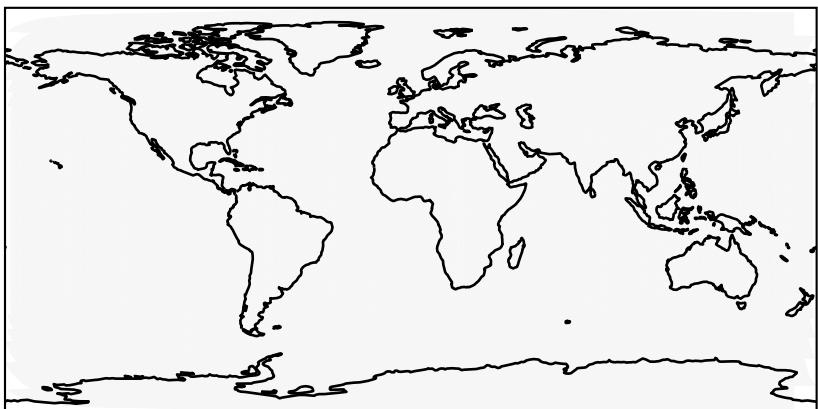
GCHP\_13.2.0-beta.0 (Ref)  
c48



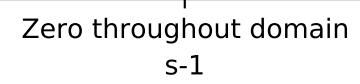
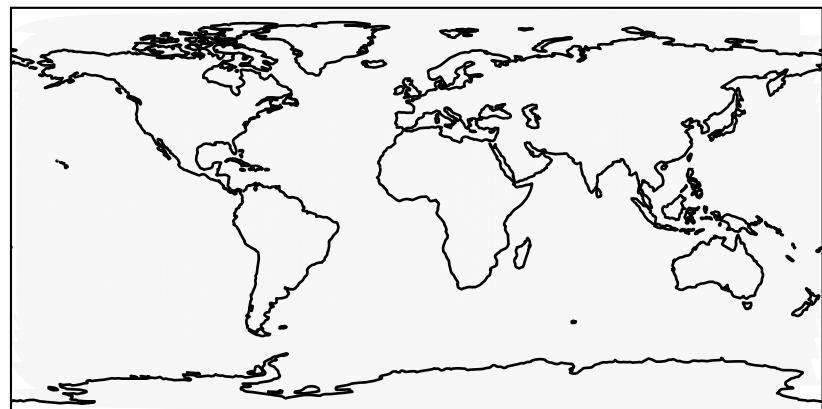
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



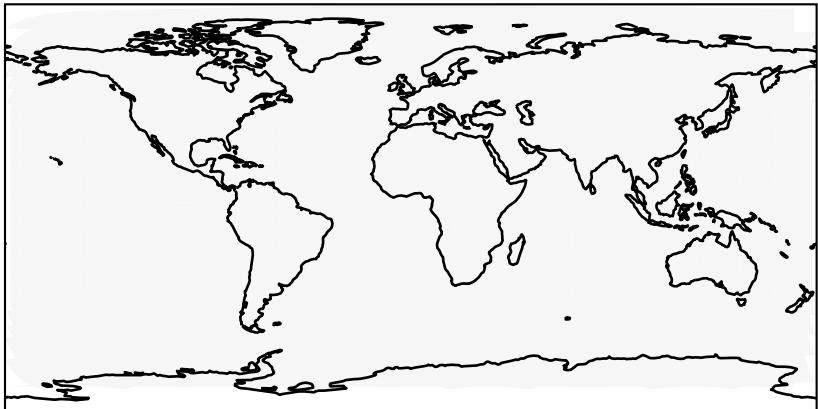
Difference  
Dev - Ref, Dynamic Range



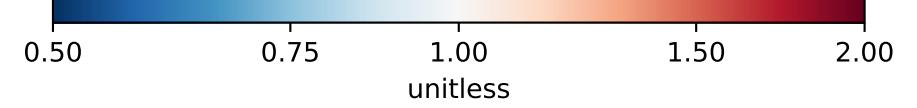
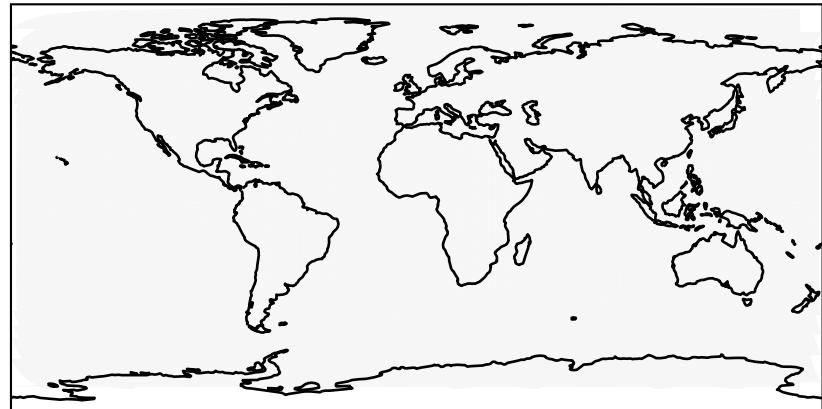
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

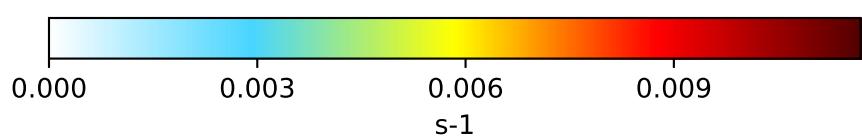
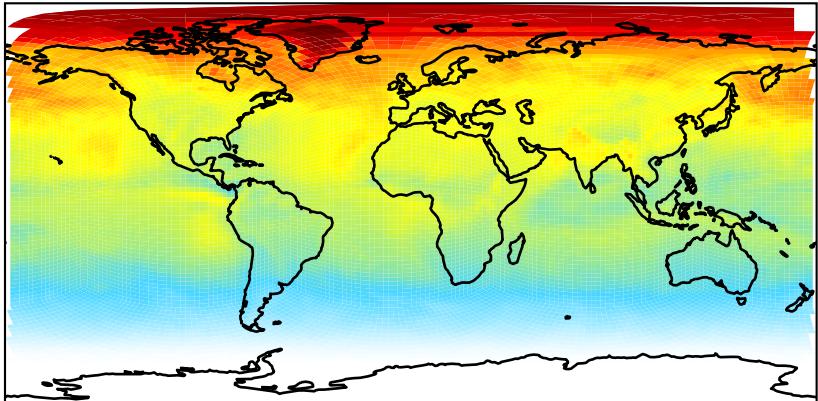


Ratio  
Dev/Ref, Fixed Range

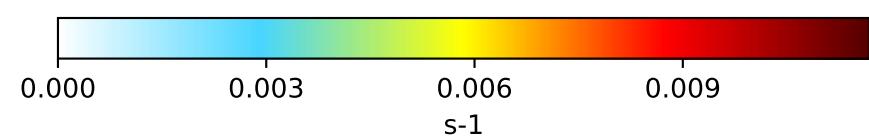
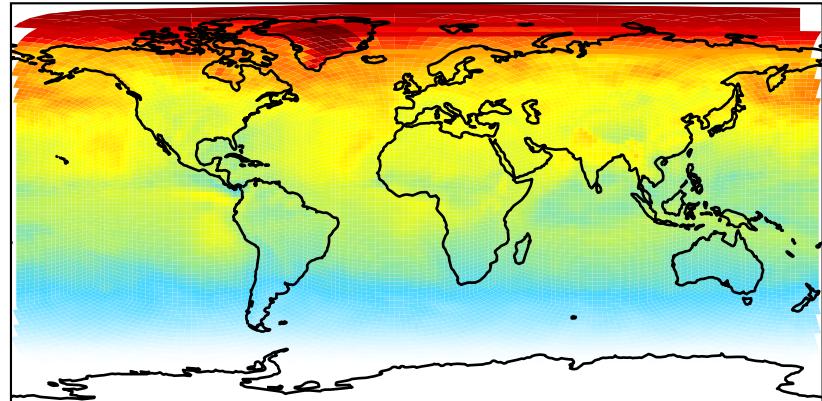


# Jval\_NO2

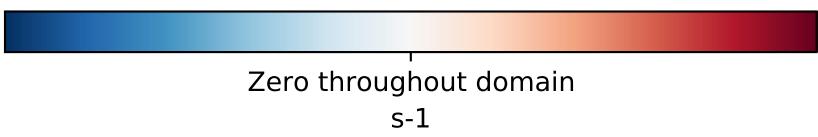
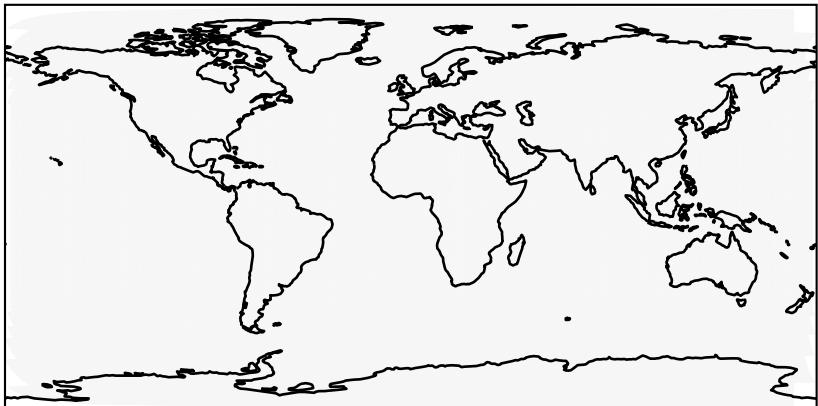
GCHP\_13.2.0-beta.0 (Ref)  
c48



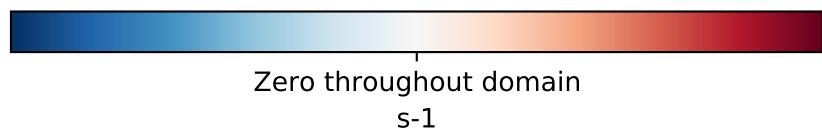
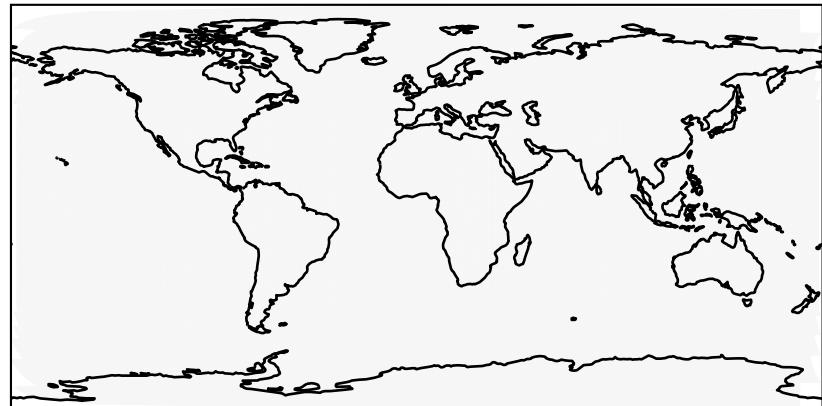
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



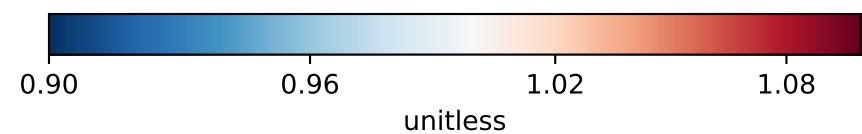
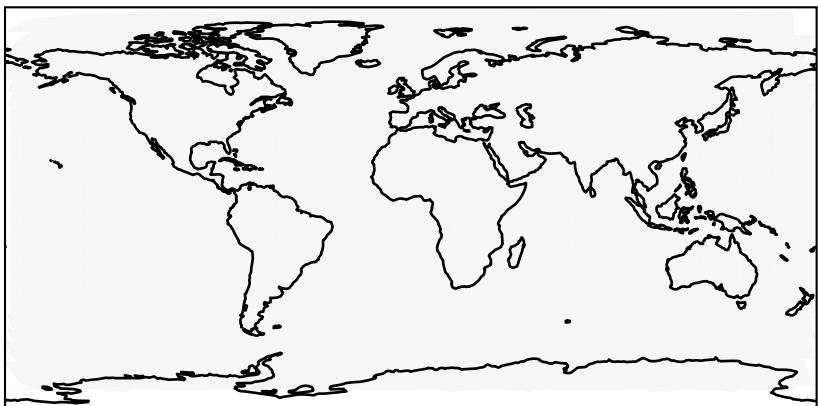
Difference  
Dev - Ref, Dynamic Range



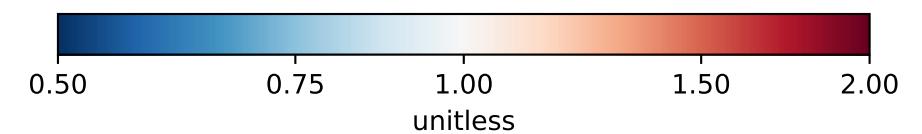
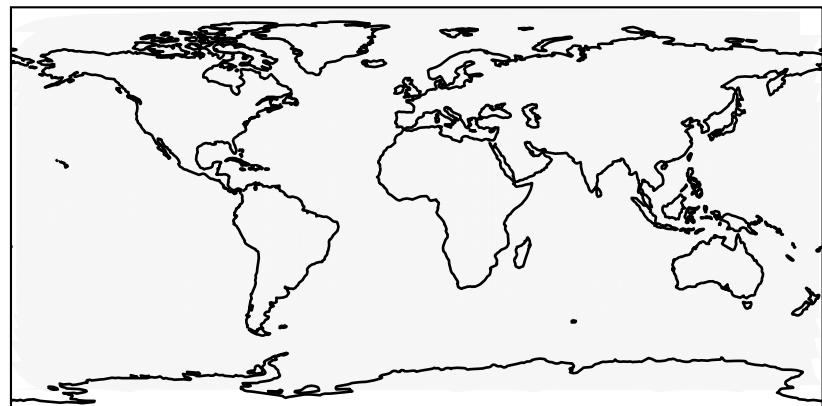
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

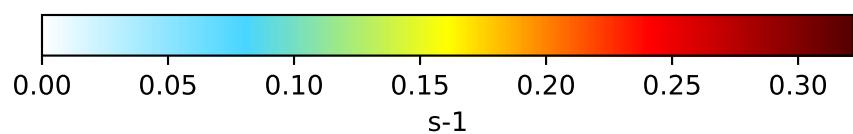
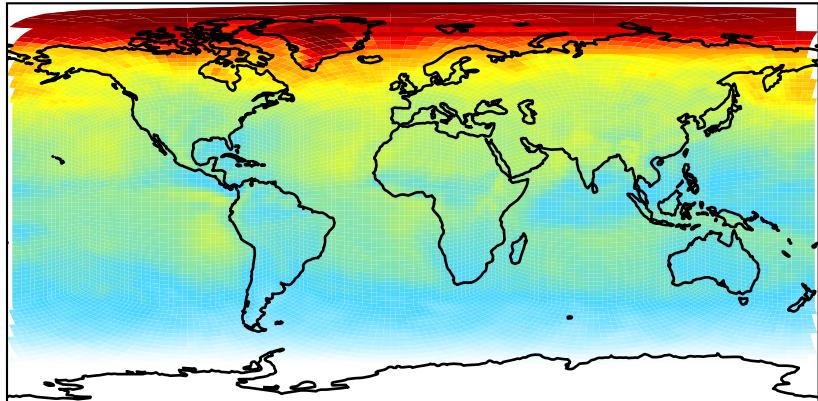


Ratio  
Dev/Ref, Fixed Range

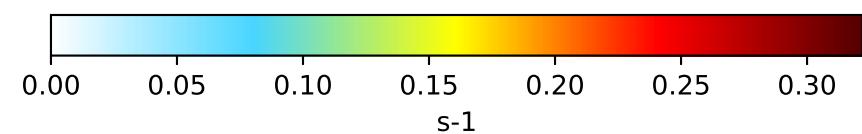
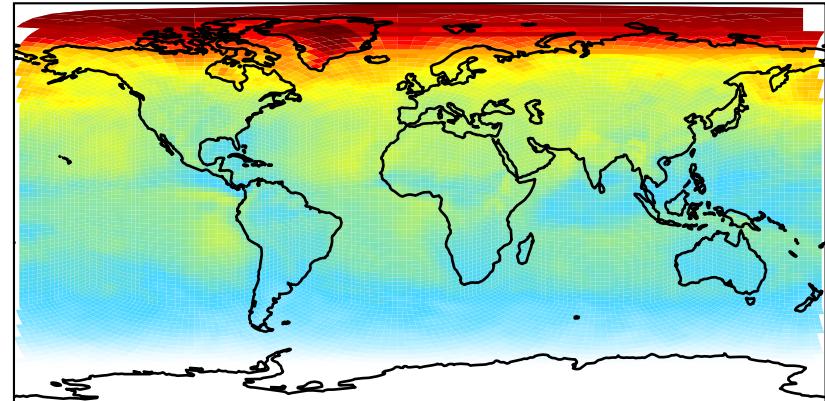


# Jval\_N03

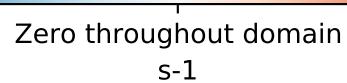
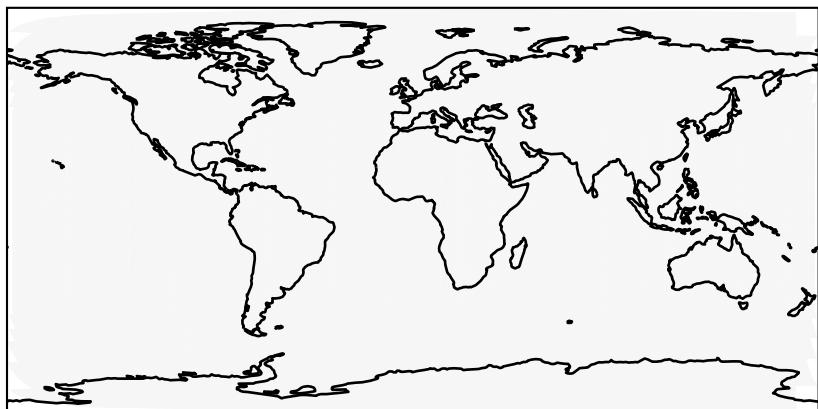
GCHP\_13.2.0-beta.0 (Ref)  
c48



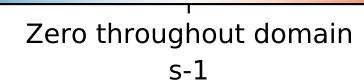
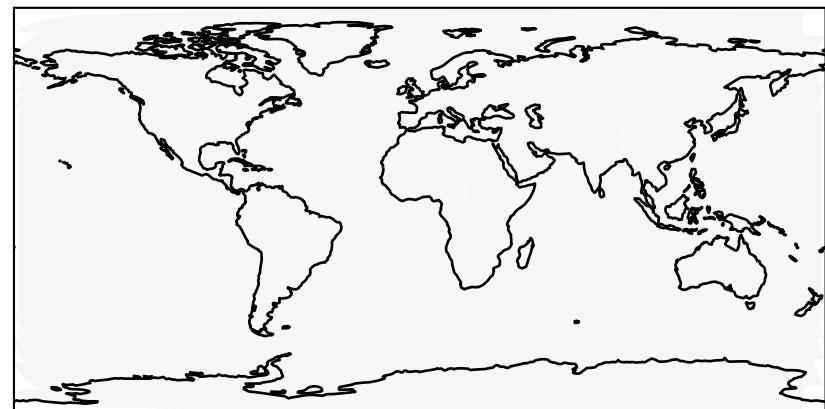
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



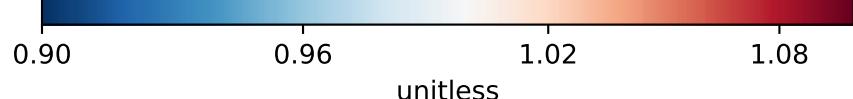
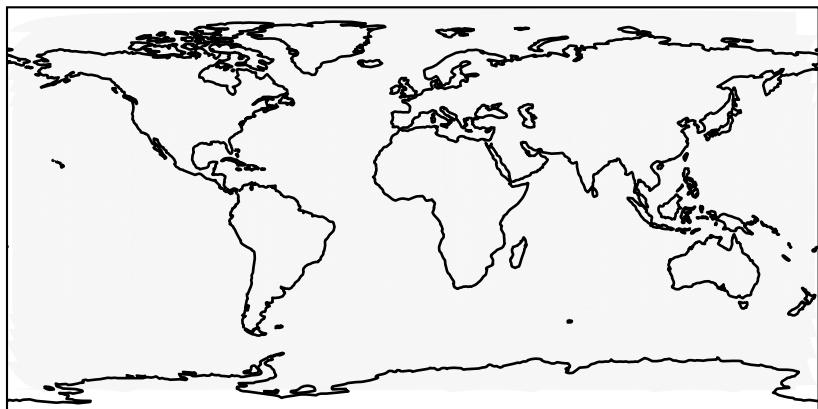
Difference  
Dev - Ref, Dynamic Range



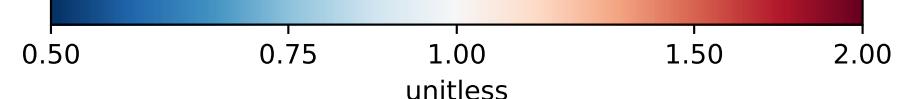
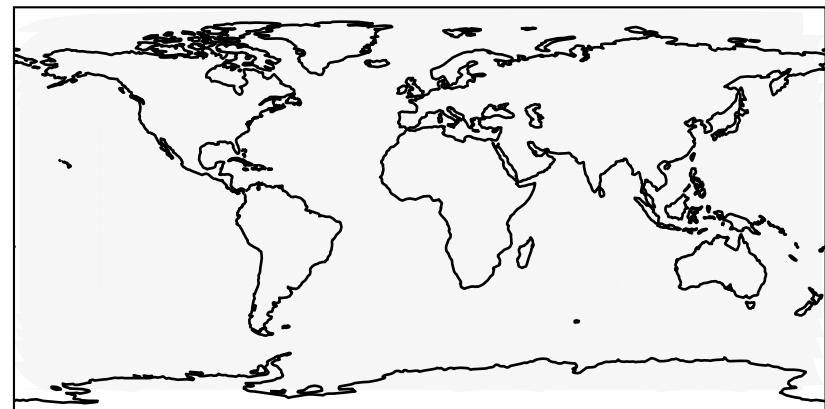
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

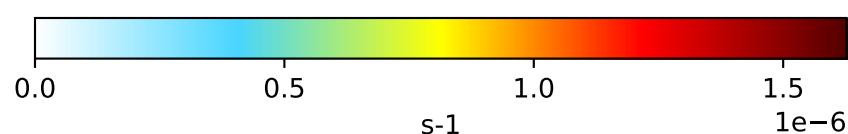
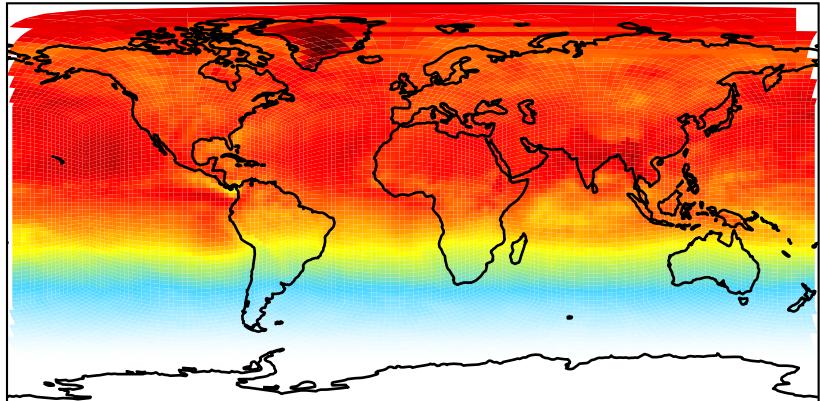


Ratio  
Dev/Ref, Fixed Range

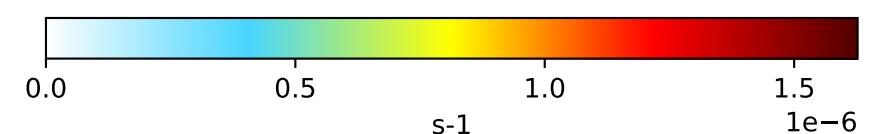
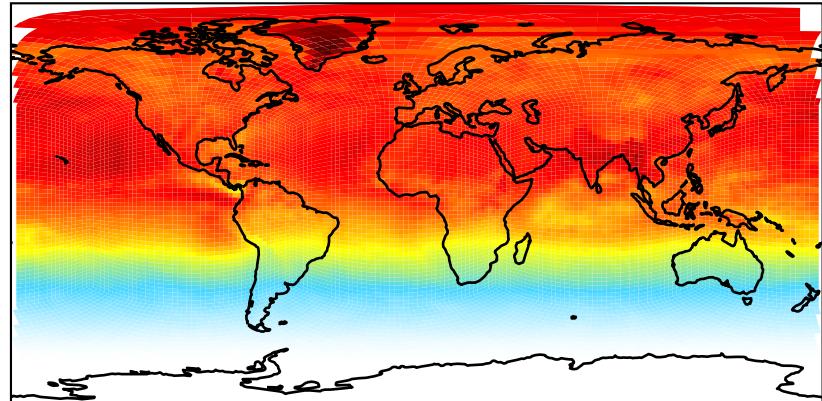


# Jval\_NPRNO3

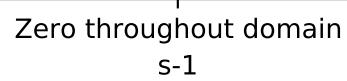
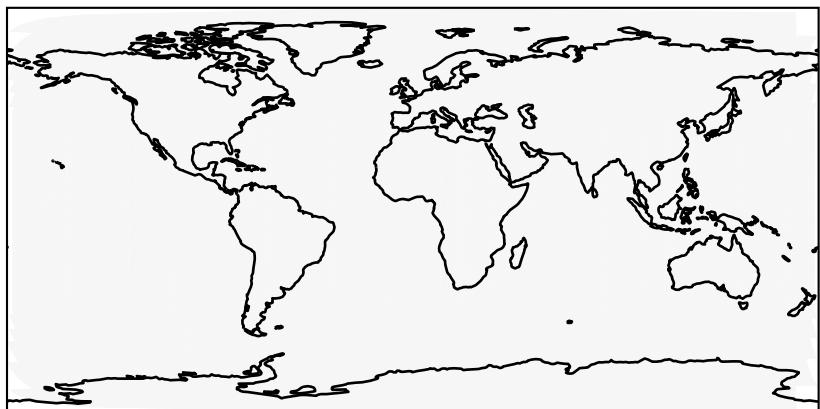
GCHP\_13.2.0-beta.0 (Ref)  
c48



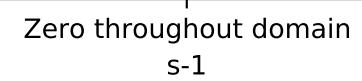
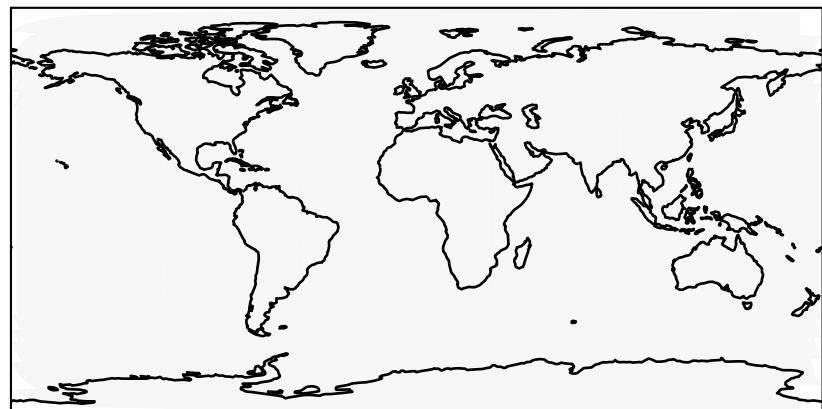
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



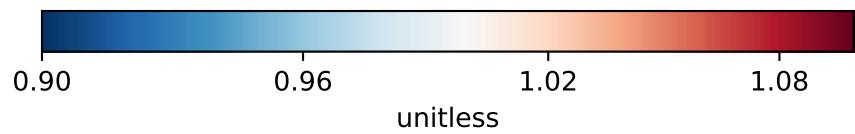
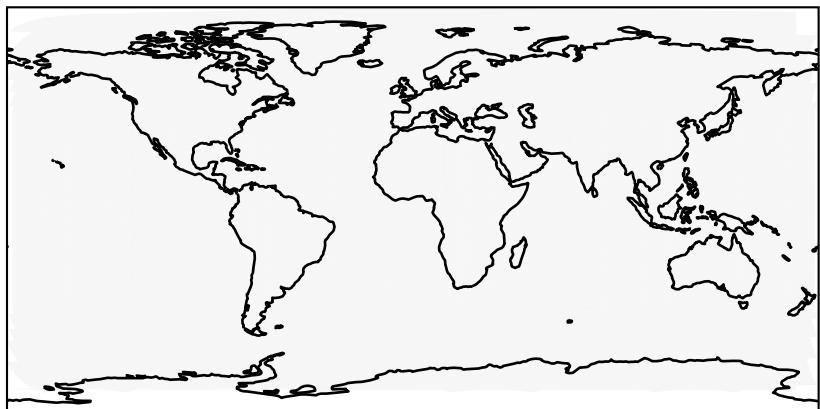
Difference  
Dev - Ref, Dynamic Range



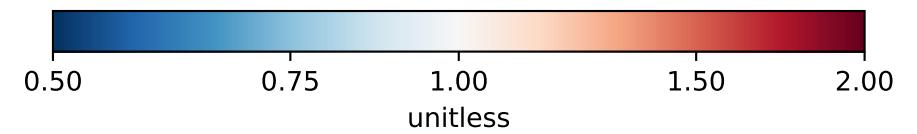
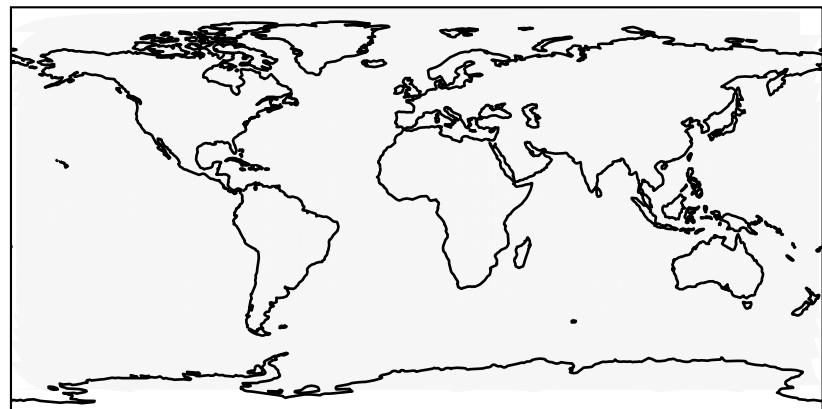
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

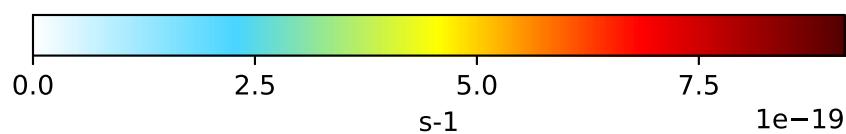
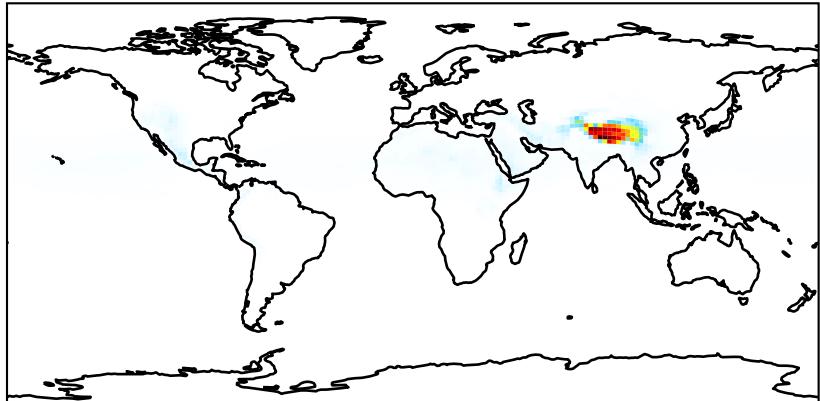


Ratio  
Dev/Ref, Fixed Range

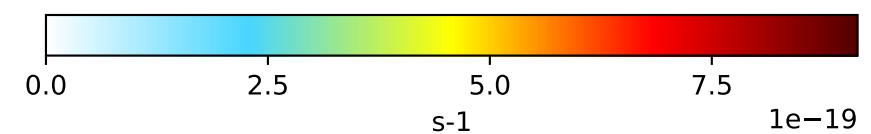
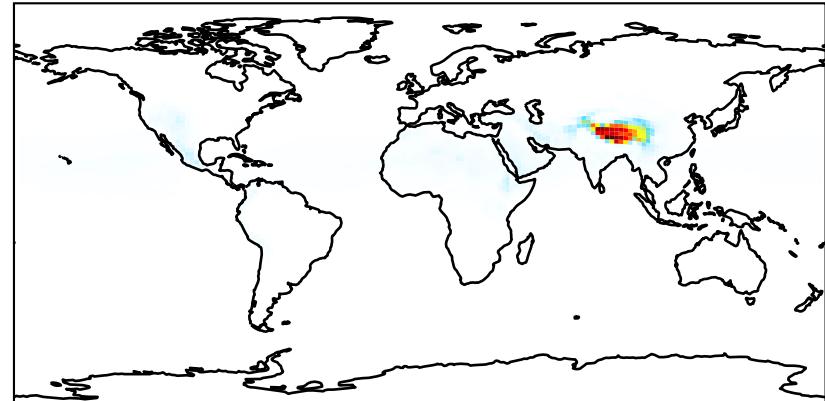


# Jval\_O2

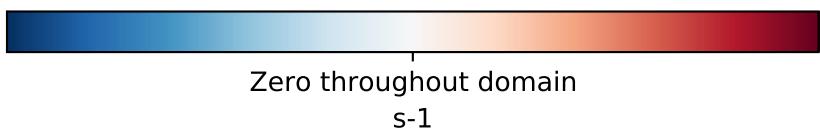
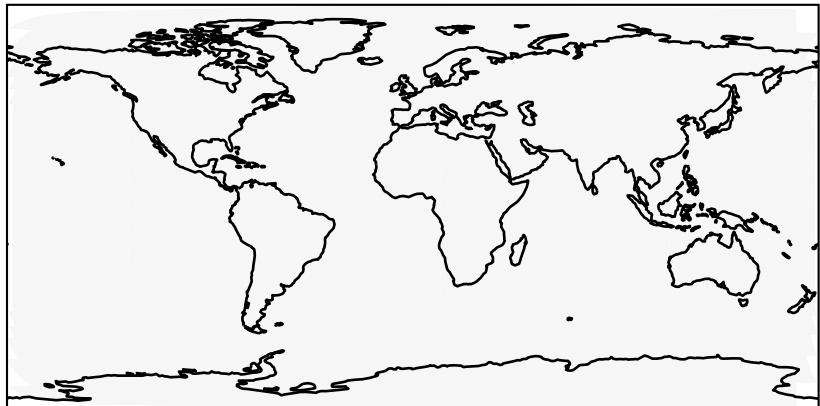
GCHP\_13.2.0-beta.0 (Ref)  
c48



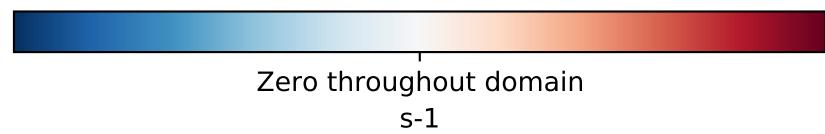
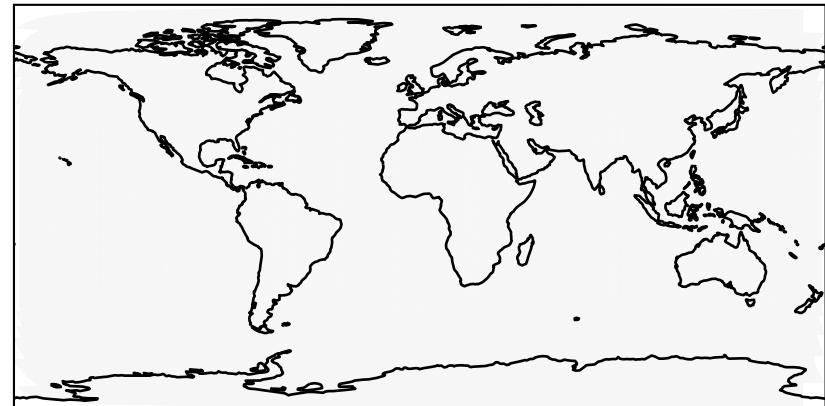
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



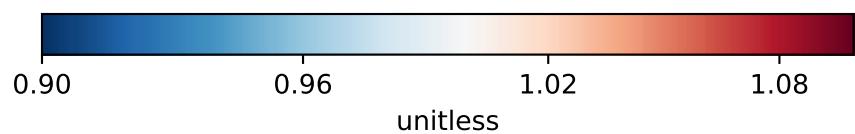
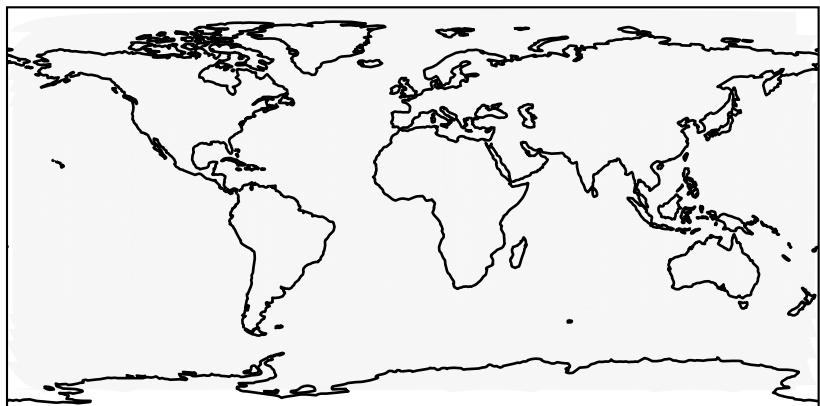
Difference  
Dev - Ref, Dynamic Range



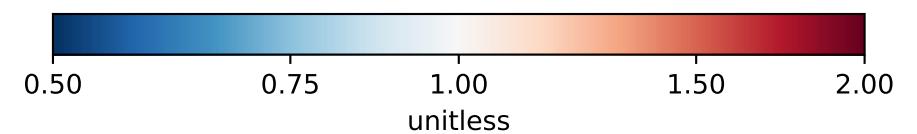
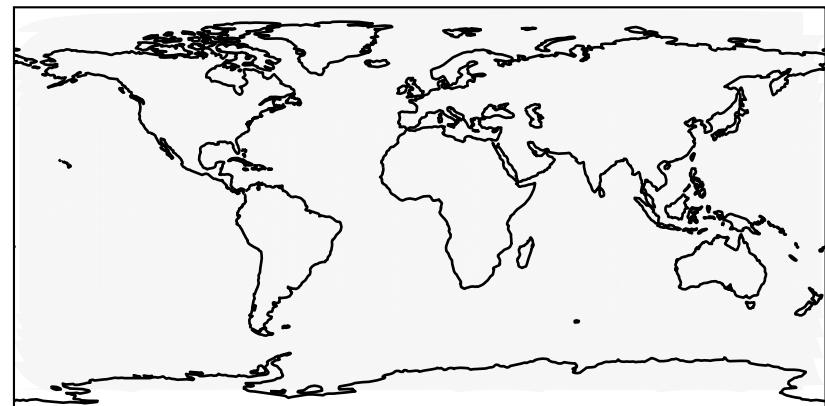
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range



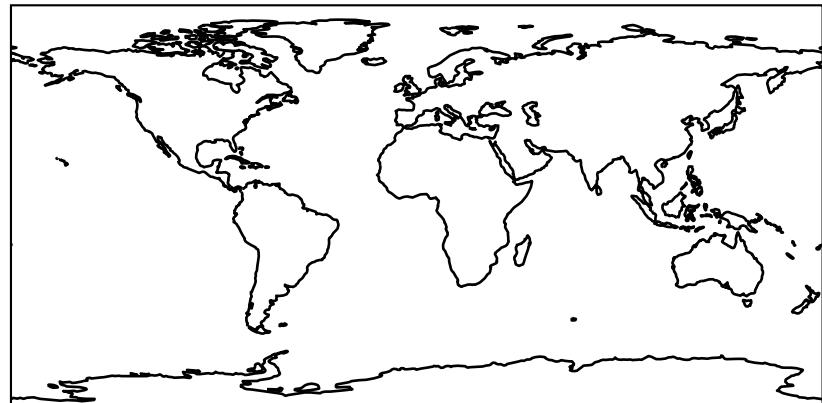
# Jval\_O3

GCHP\_13.2.0-beta.0 (Ref)  
c48



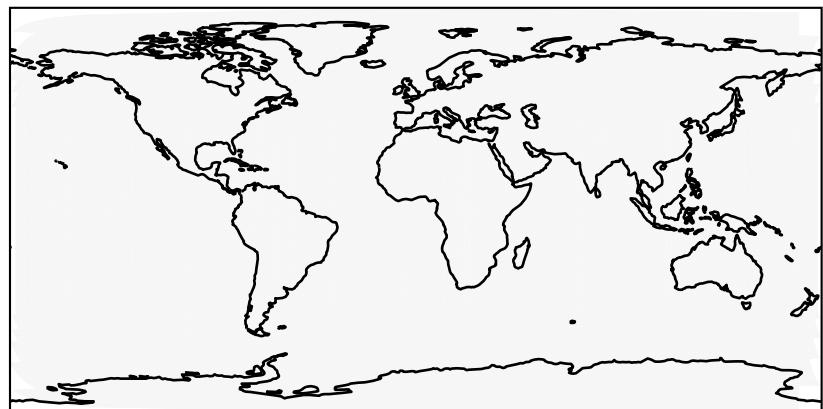
Zero throughout domain  
s-1

GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



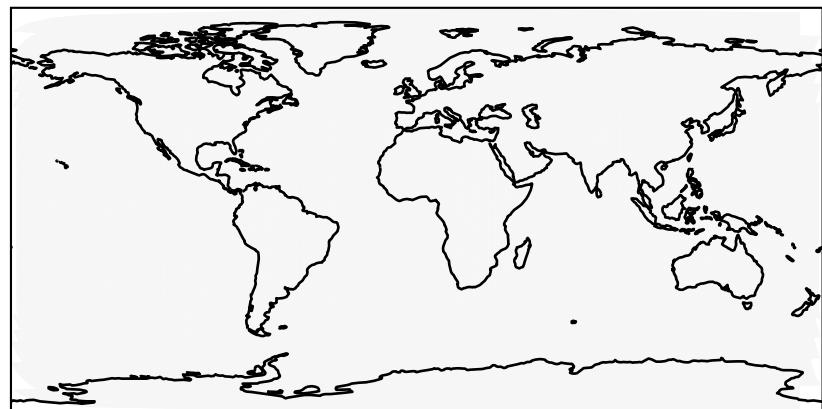
Zero throughout domain  
s-1

Difference  
Dev - Ref, Dynamic Range



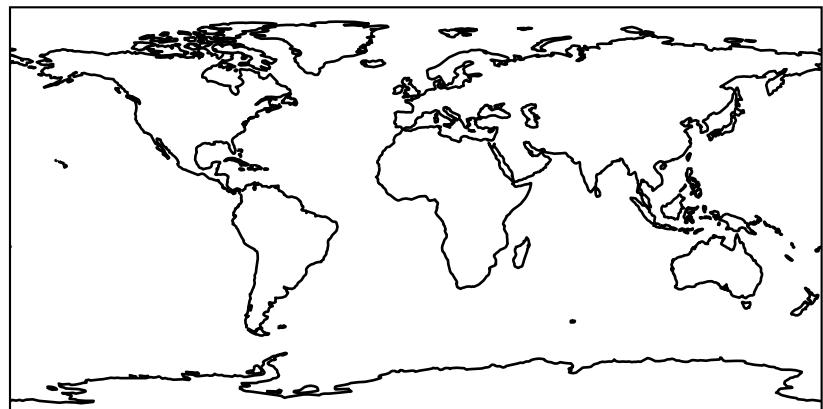
Zero throughout domain  
s-1

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



Zero throughout domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



Undefined throughout domain  
unitless

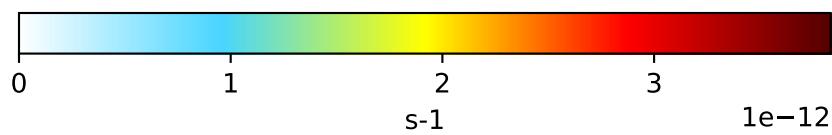
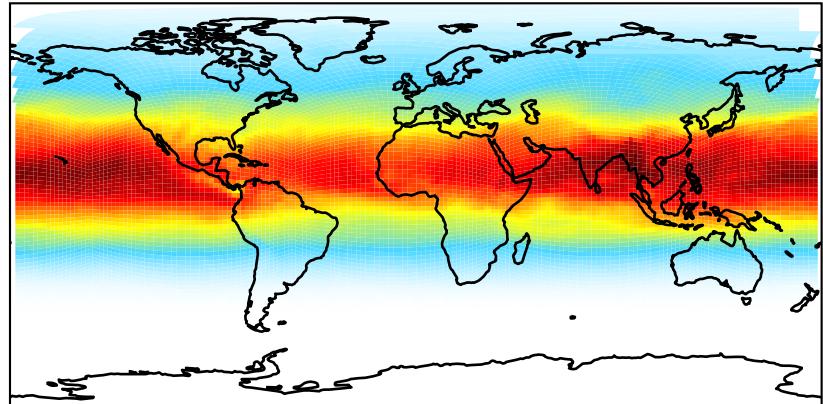
Ratio  
Dev/Ref, Fixed Range



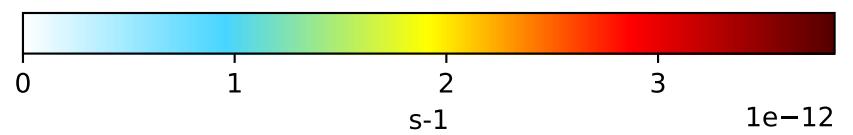
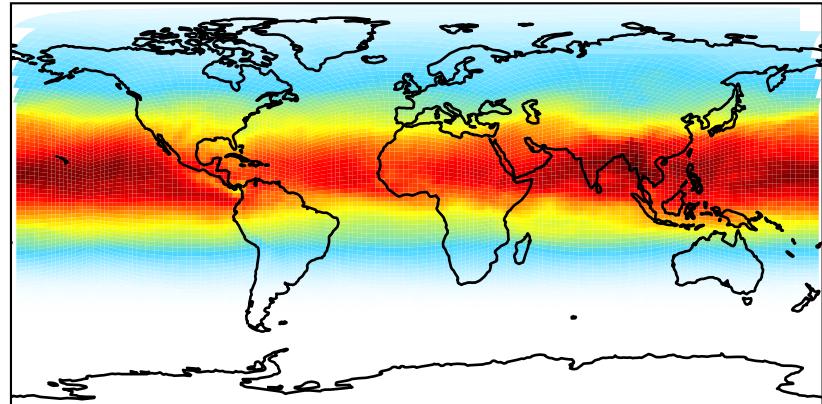
Undefined throughout domain  
unitless

# Jval\_OCS

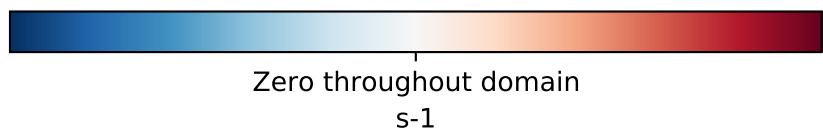
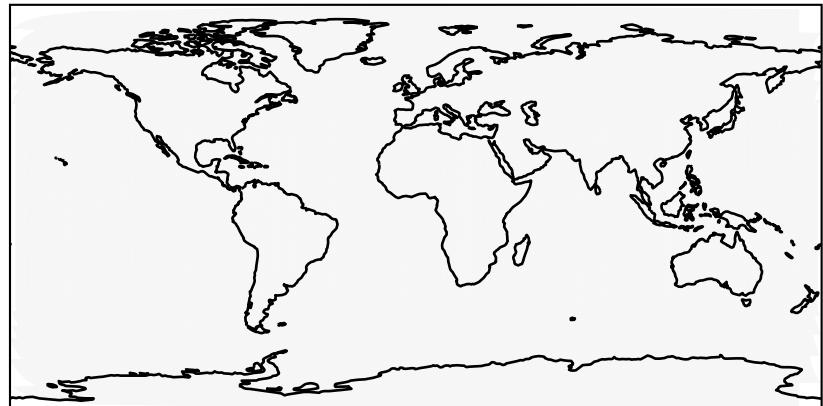
GCHP\_13.2.0-beta.0 (Ref)  
c48



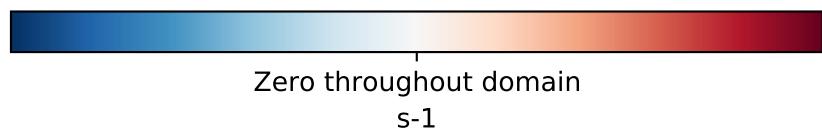
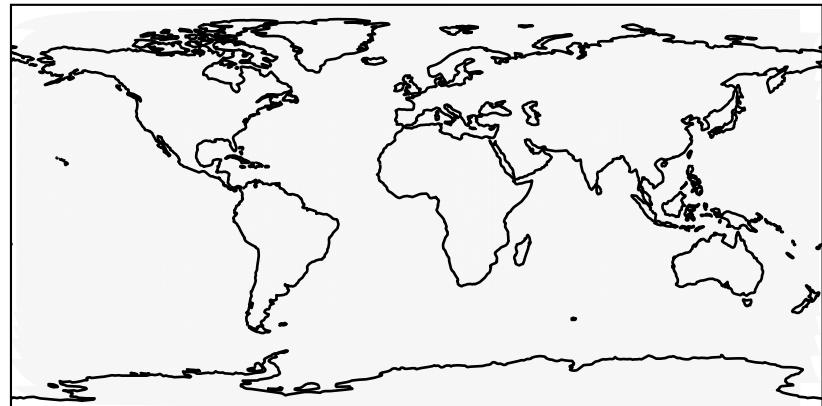
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



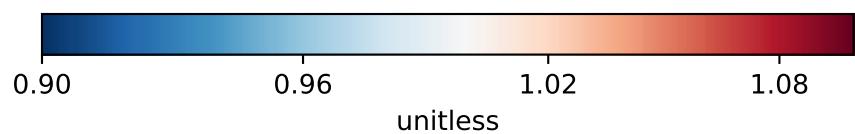
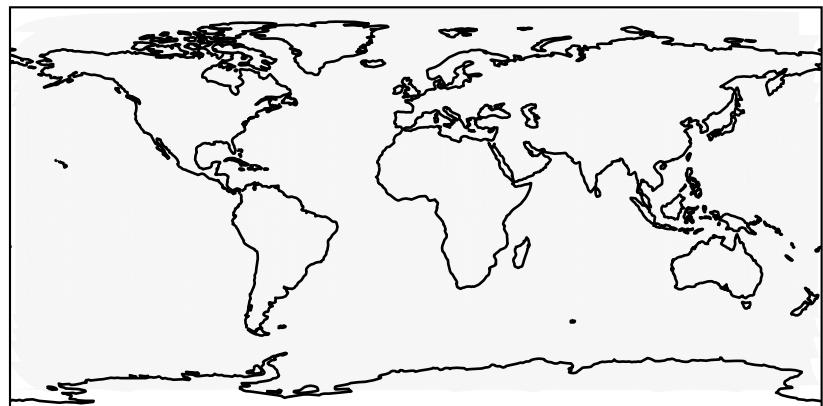
Difference  
Dev - Ref, Dynamic Range



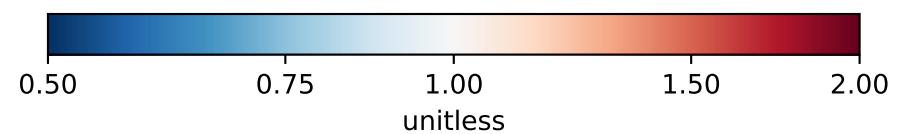
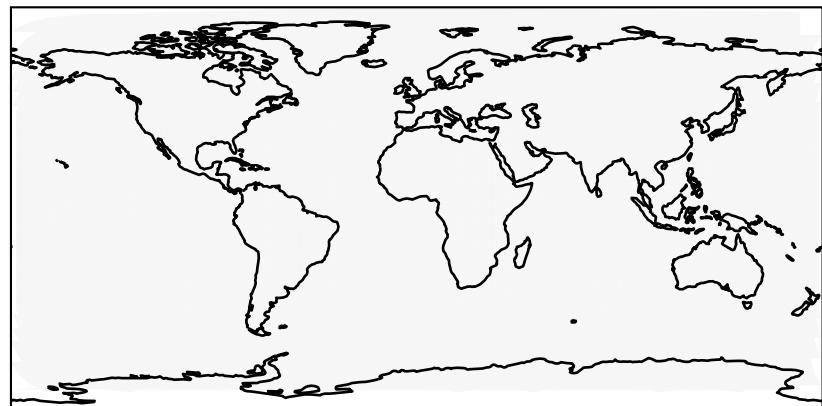
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

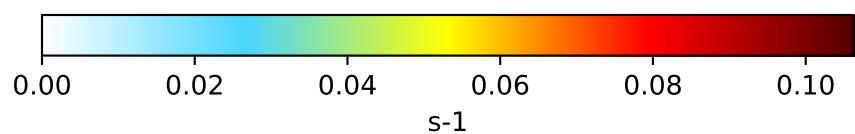
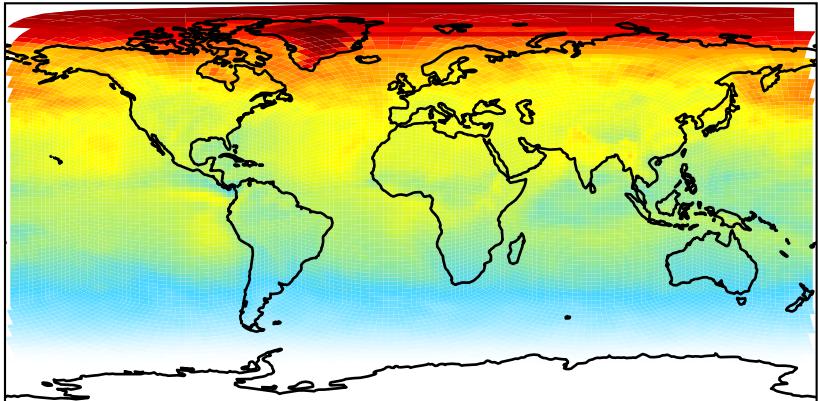


Ratio  
Dev/Ref, Fixed Range

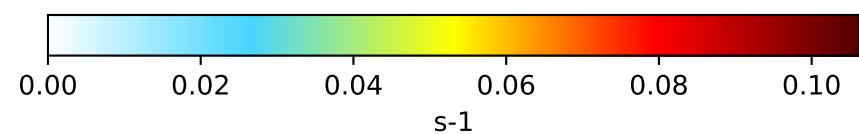
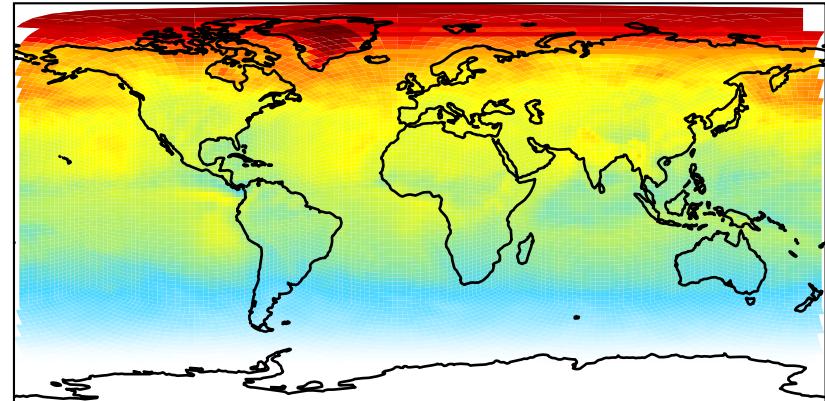


# Jval\_OCIO

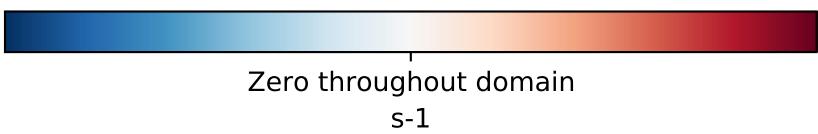
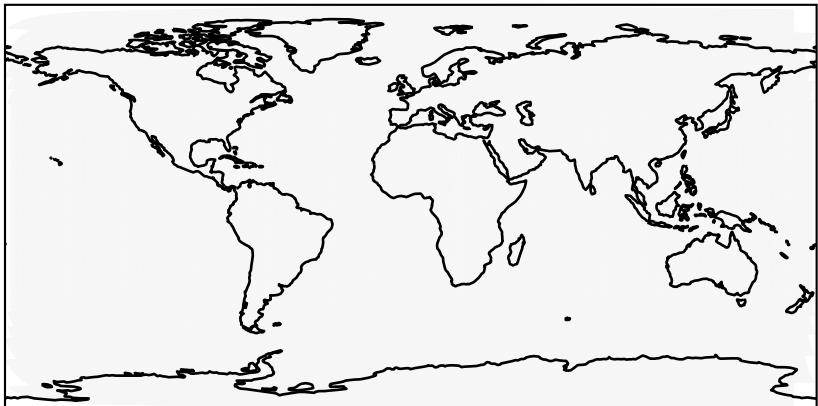
GCHP\_13.2.0-beta.0 (Ref)  
c48



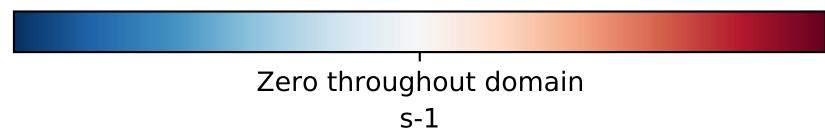
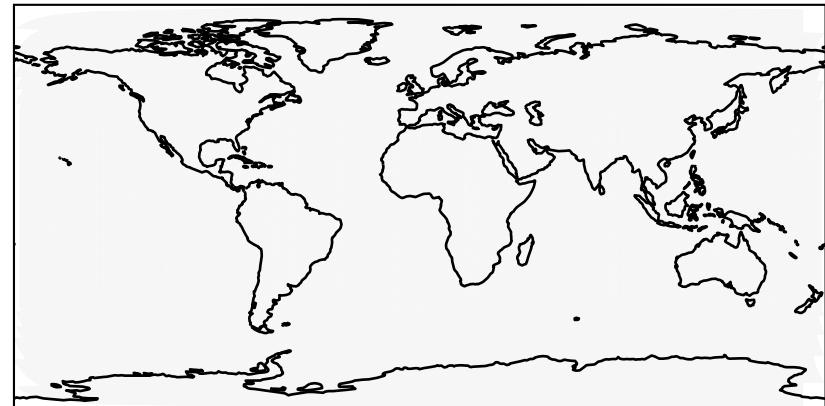
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



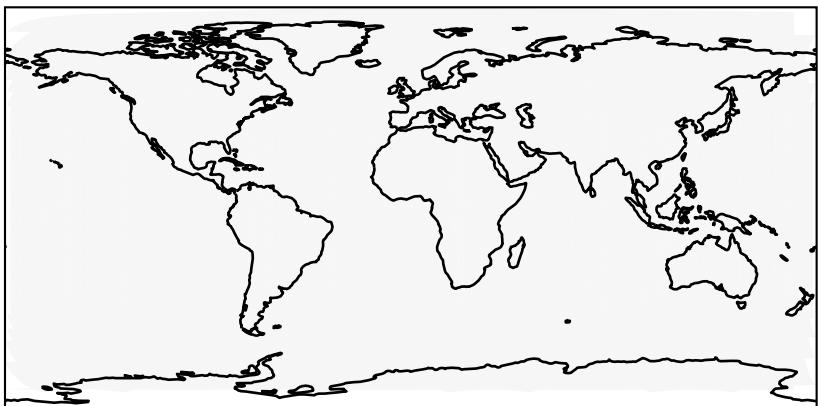
Difference  
Dev - Ref, Dynamic Range



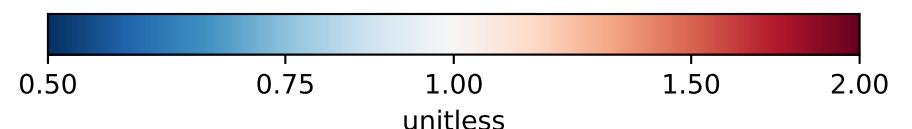
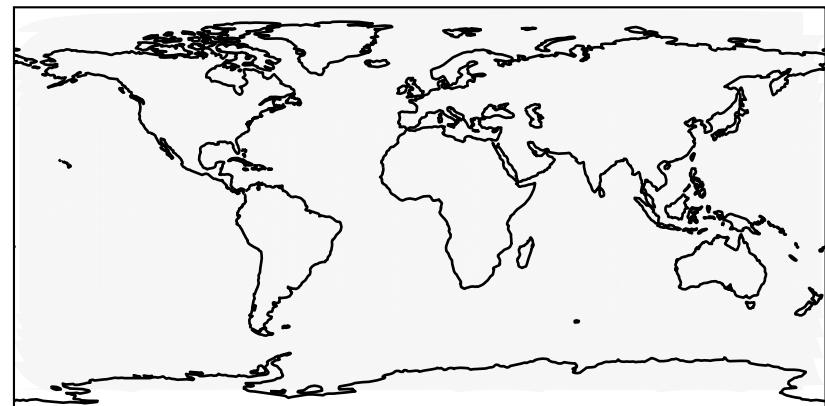
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

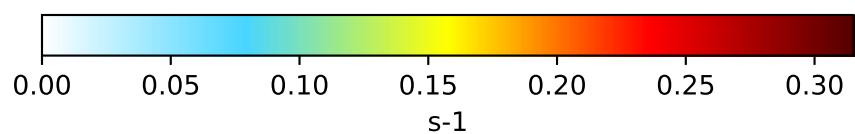
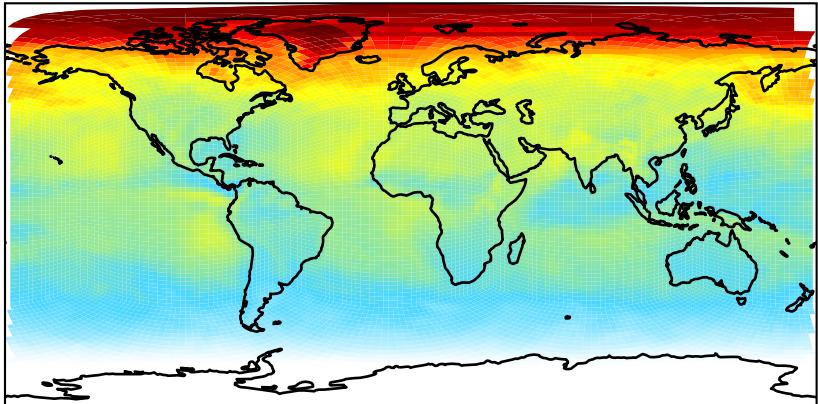


Ratio  
Dev/Ref, Fixed Range

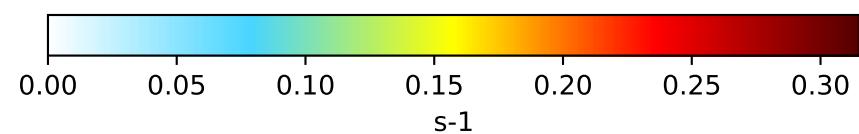
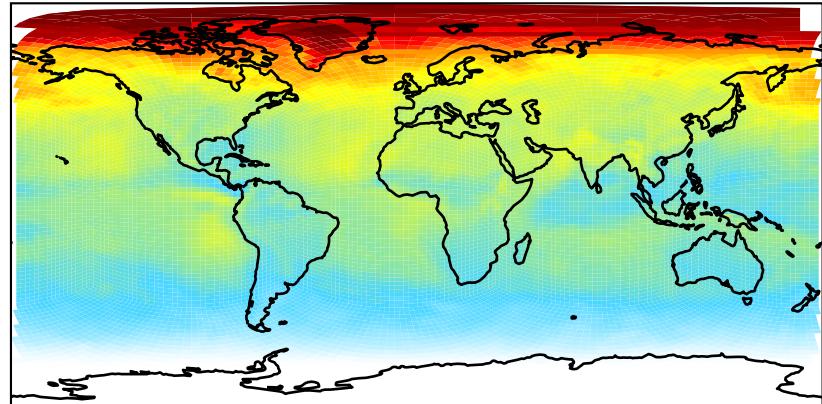


# Jval\_OIO

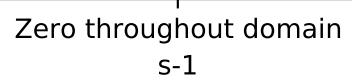
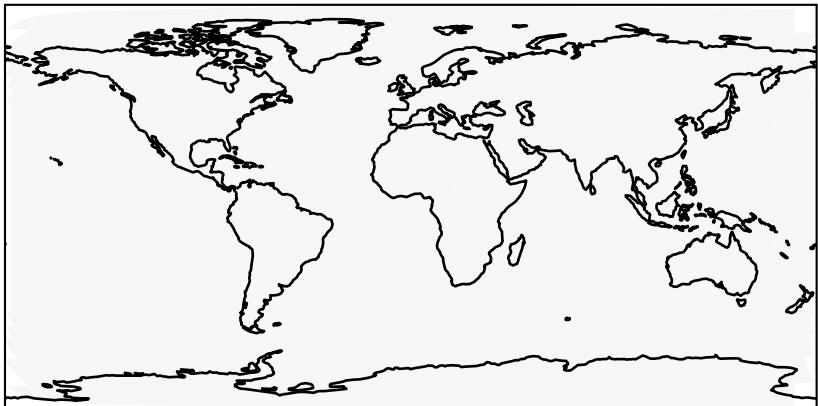
GCHP\_13.2.0-beta.0 (Ref)  
c48



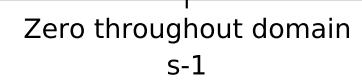
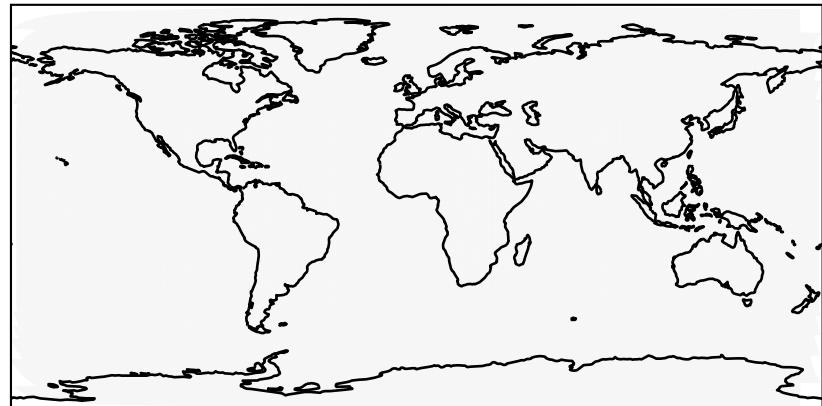
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



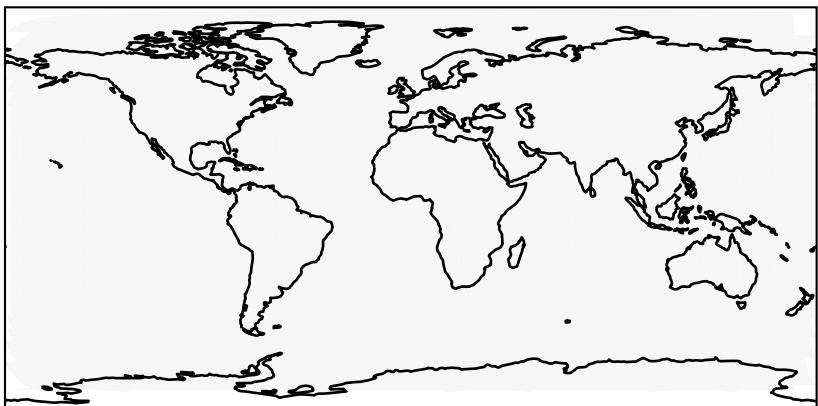
Difference  
Dev - Ref, Dynamic Range



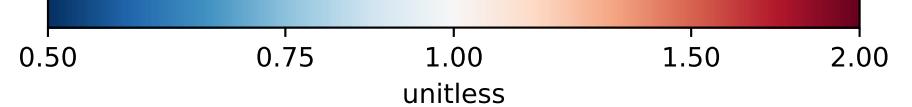
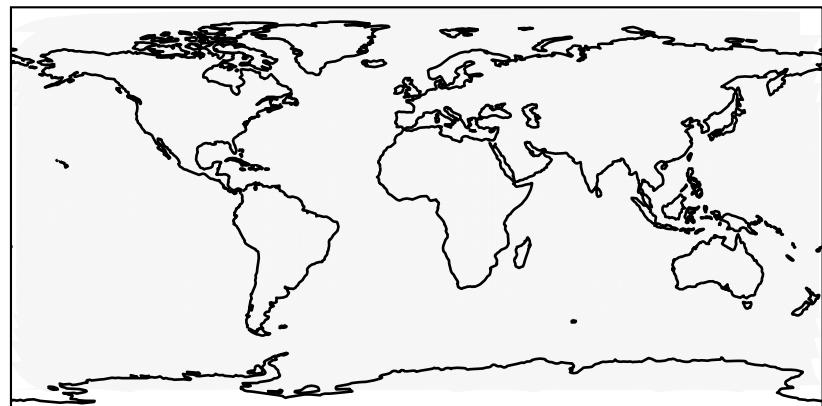
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

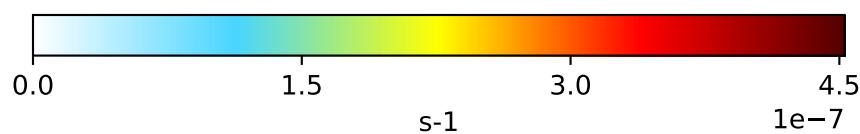
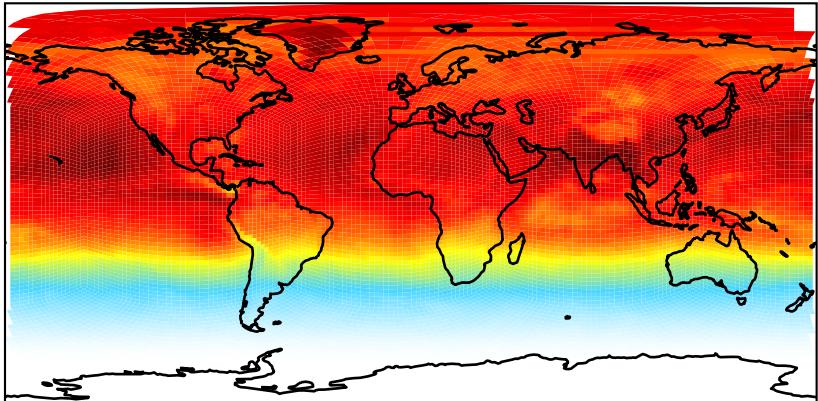


Ratio  
Dev/Ref, Fixed Range

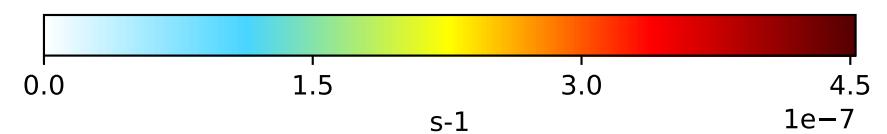
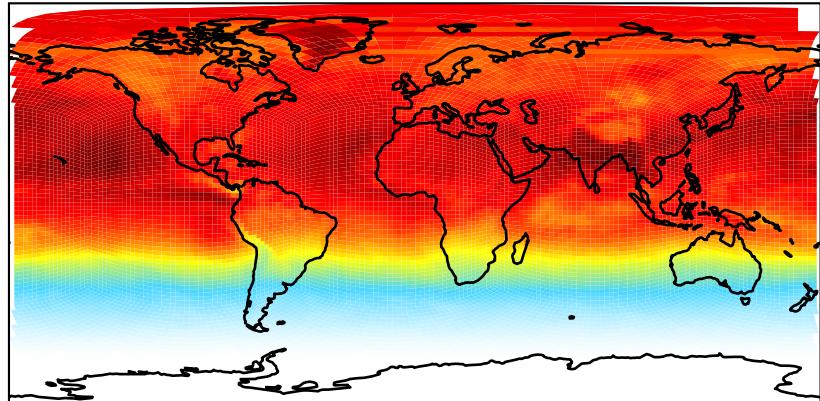


# Jval\_PAN

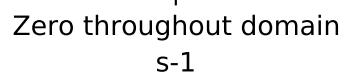
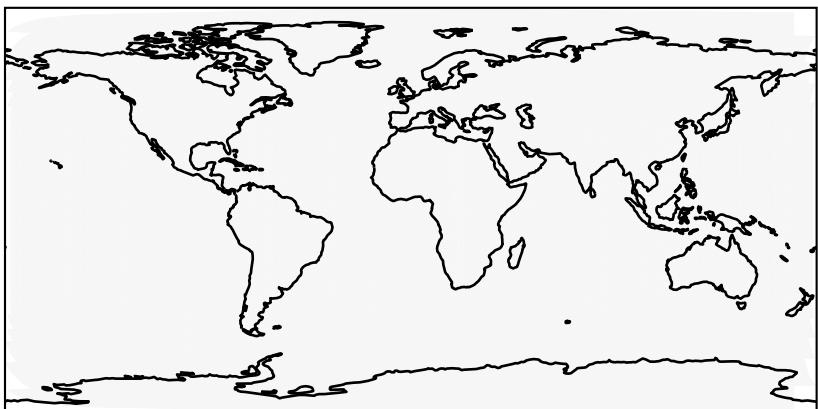
GCHP\_13.2.0-beta.0 (Ref)  
c48



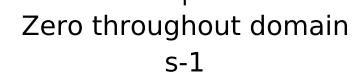
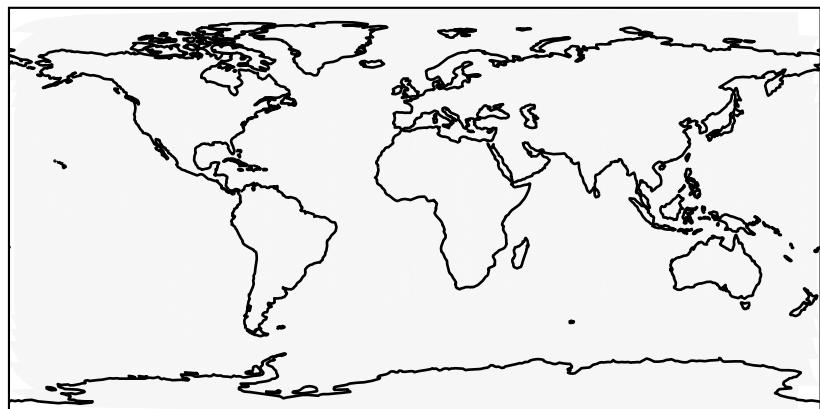
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



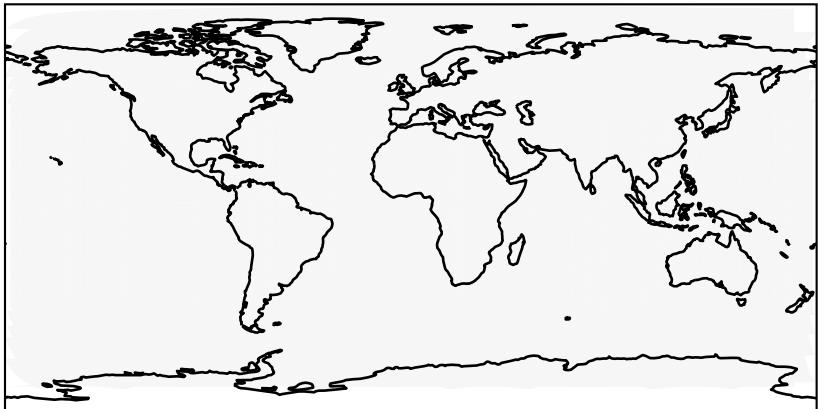
Difference  
Dev - Ref, Dynamic Range



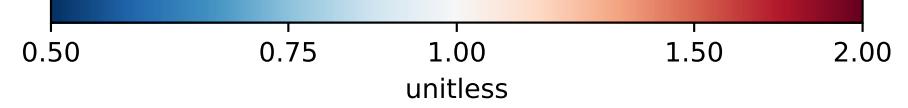
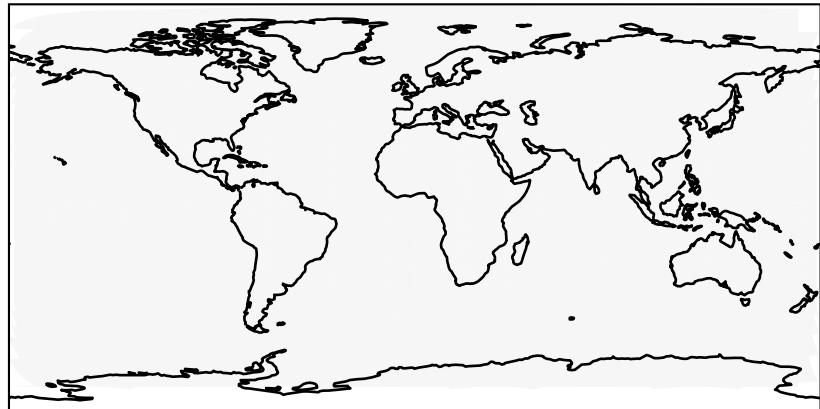
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

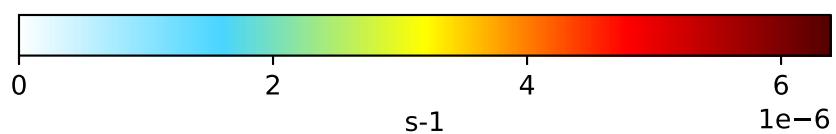
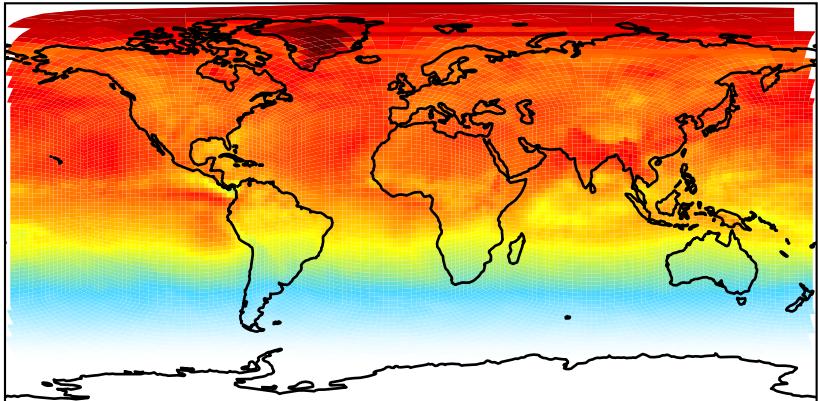


Ratio  
Dev/Ref, Fixed Range

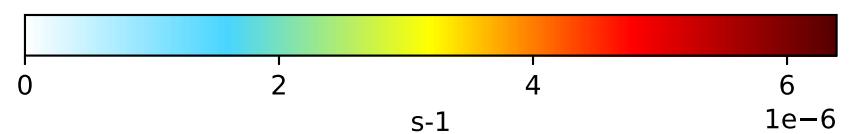
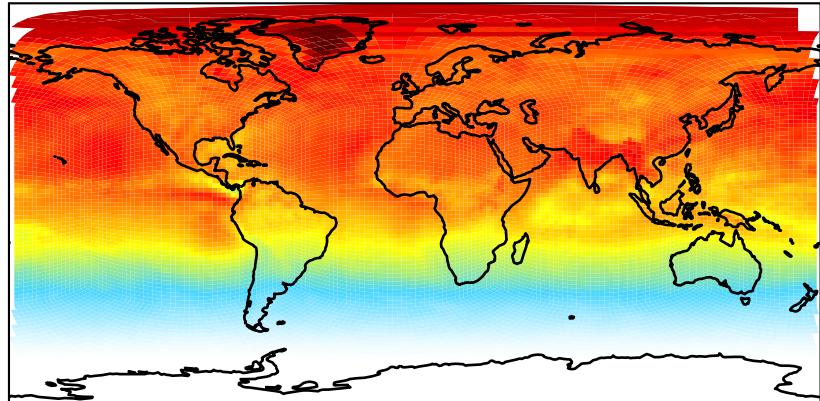


# Jval\_PIP

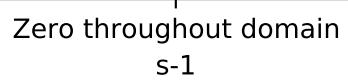
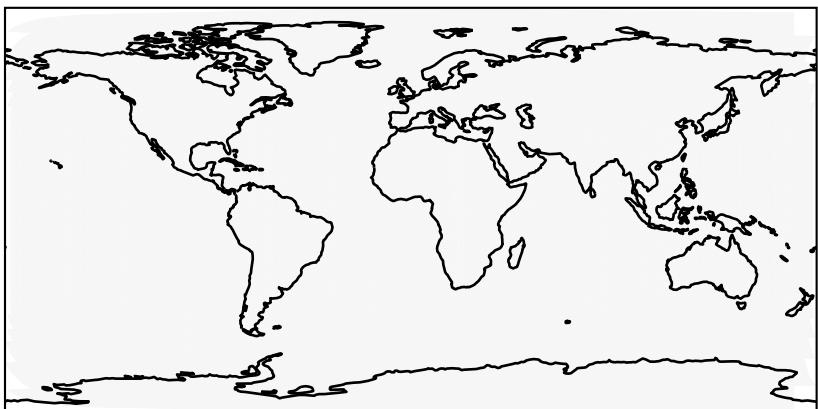
GCHP\_13.2.0-beta.0 (Ref)  
c48



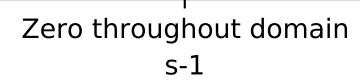
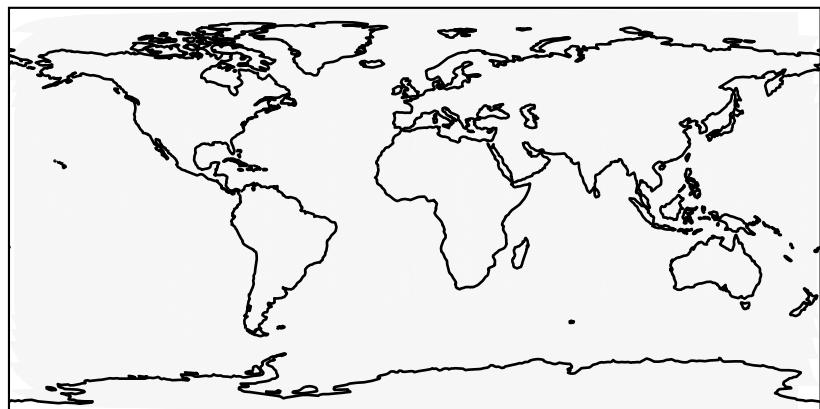
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



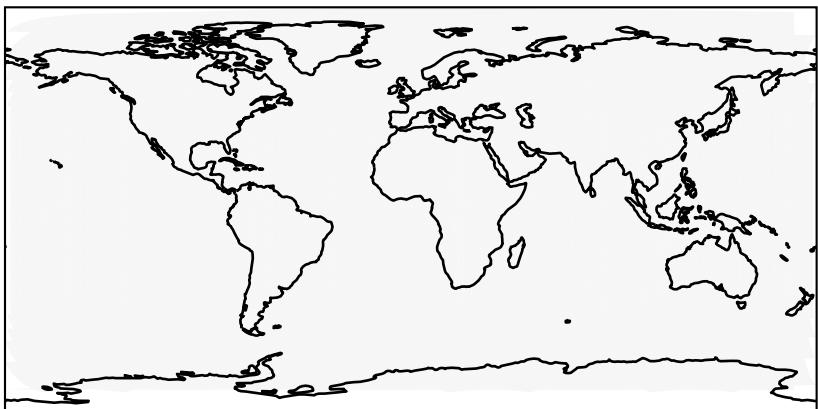
Difference  
Dev - Ref, Dynamic Range



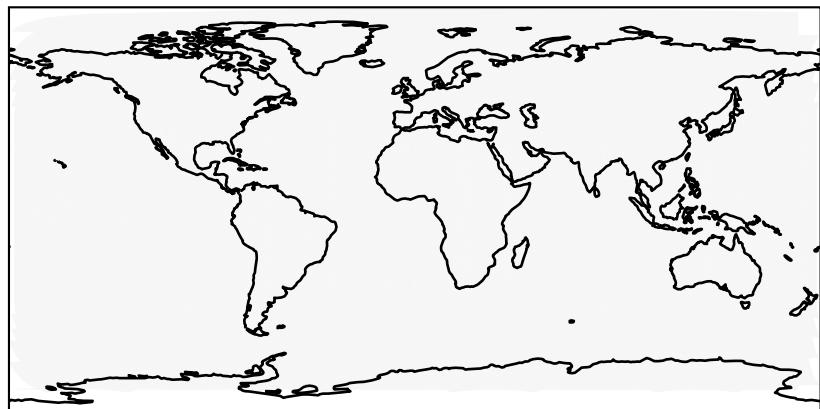
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

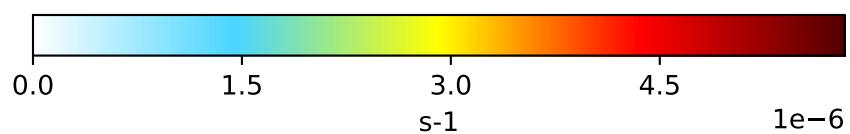
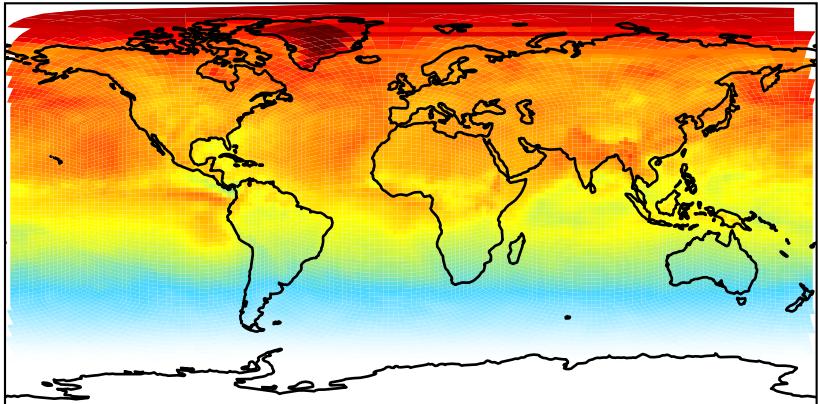


Ratio  
Dev/Ref, Fixed Range

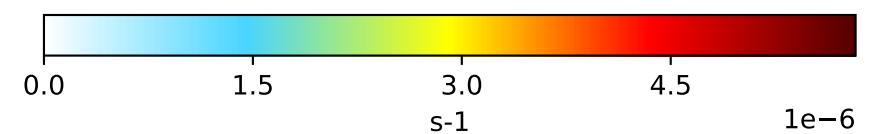
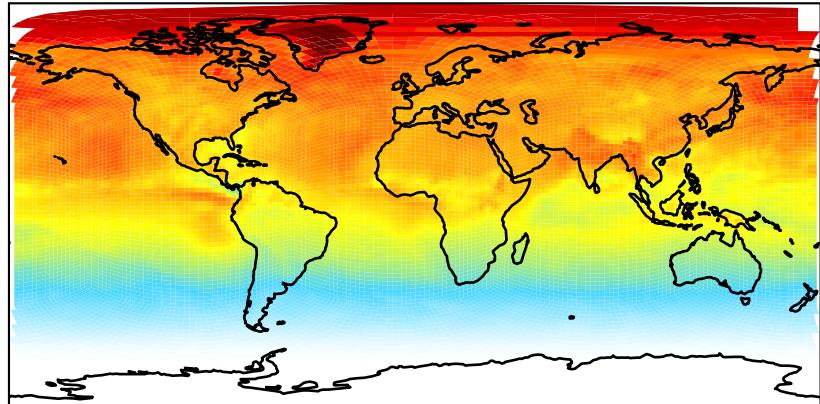


# Jval\_PP

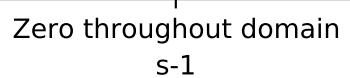
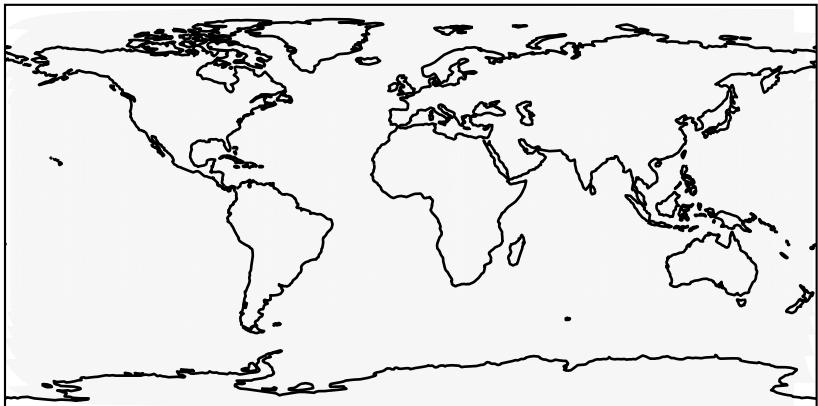
GCHP\_13.2.0-beta.0 (Ref)  
c48



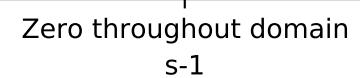
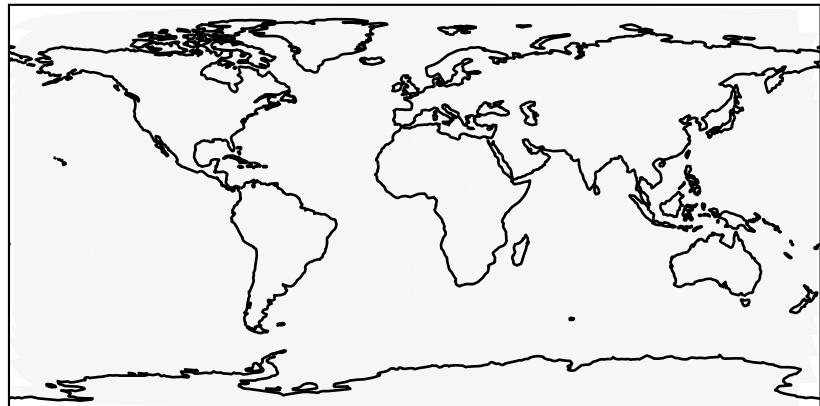
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



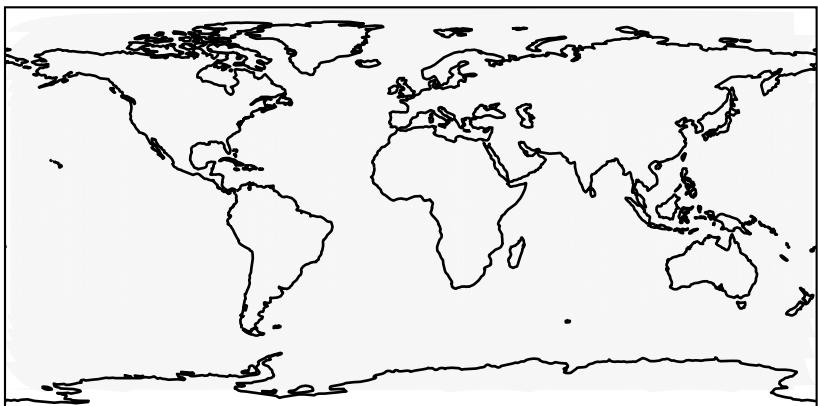
Difference  
Dev - Ref, Dynamic Range



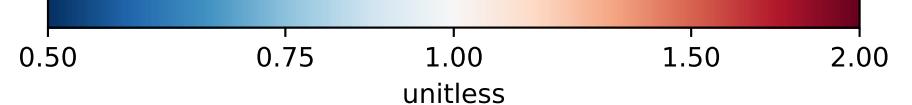
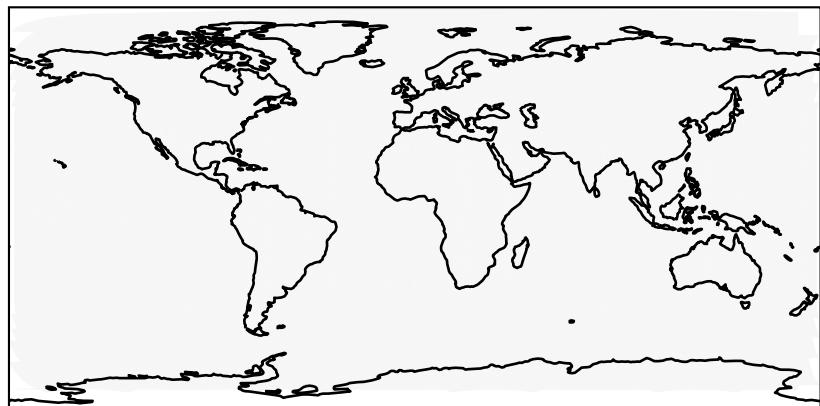
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

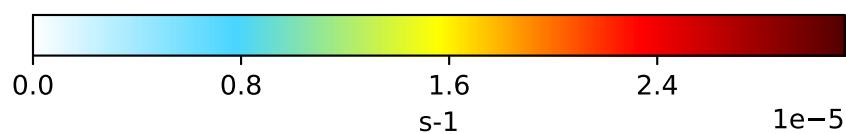
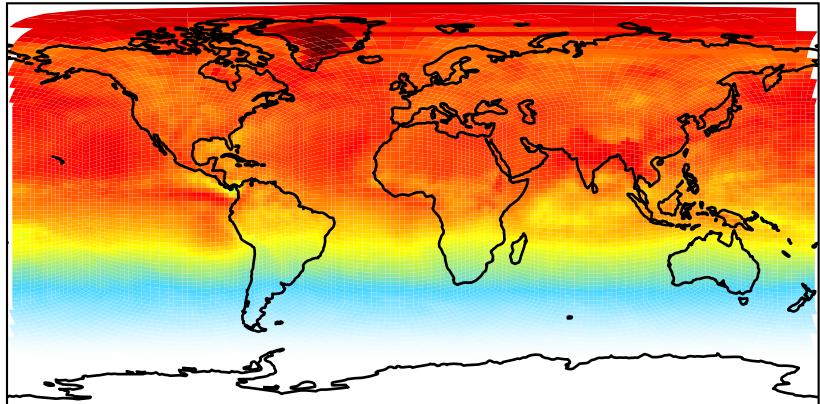


Ratio  
Dev/Ref, Fixed Range

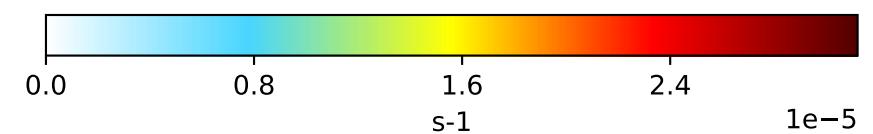
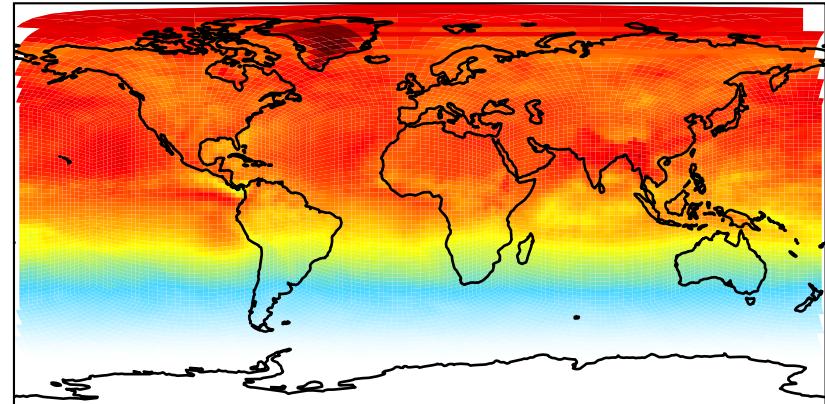


# Jval\_PROPNN

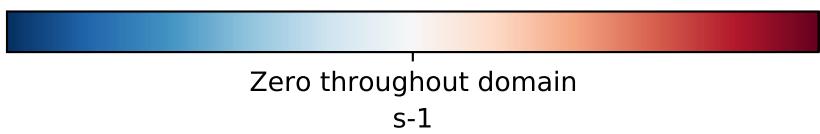
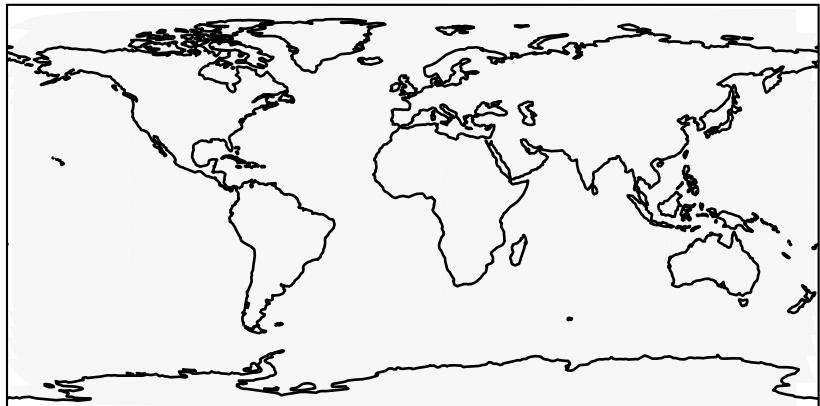
GCHP\_13.2.0-beta.0 (Ref)  
c48



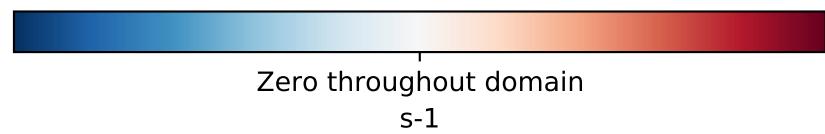
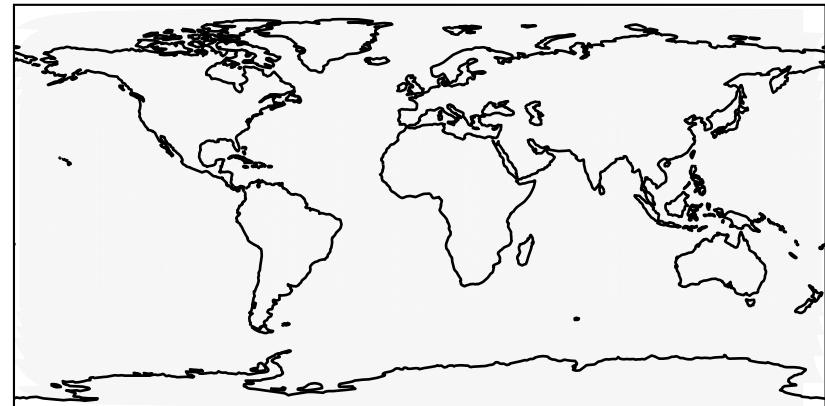
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



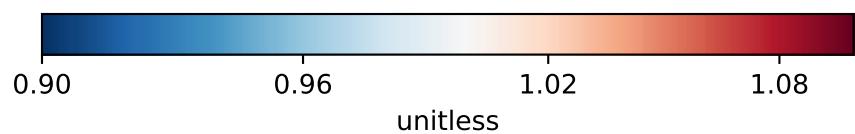
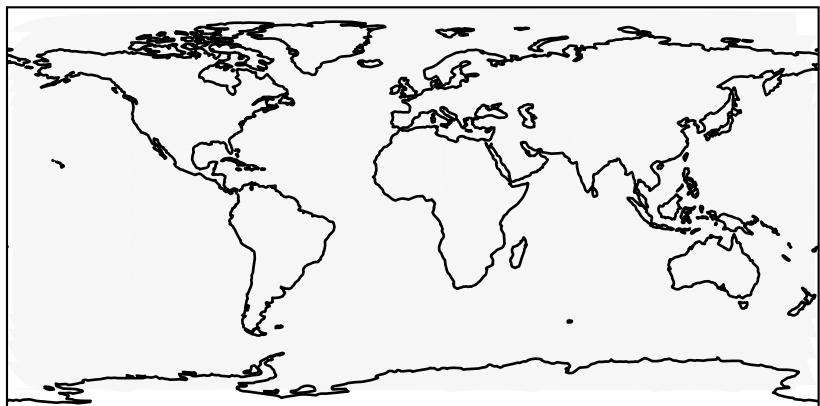
Difference  
Dev - Ref, Dynamic Range



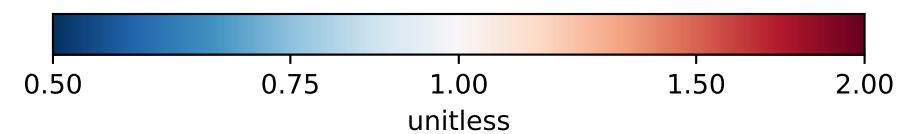
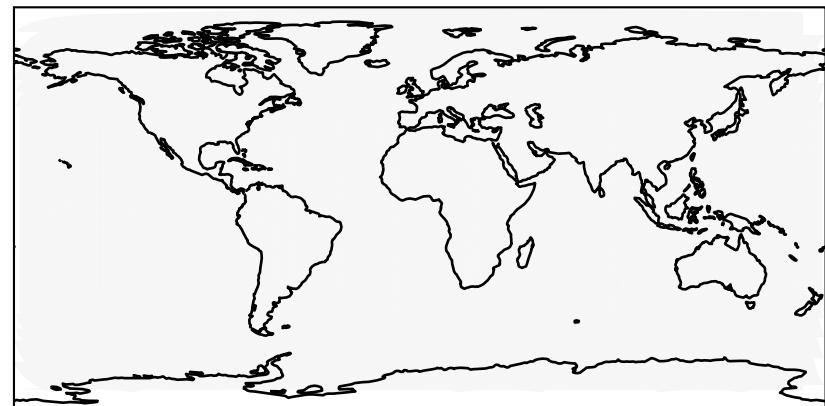
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

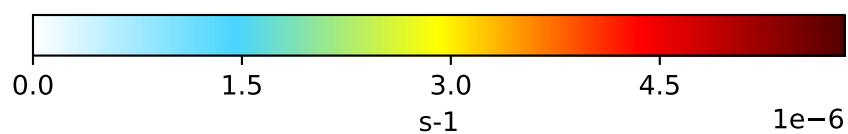
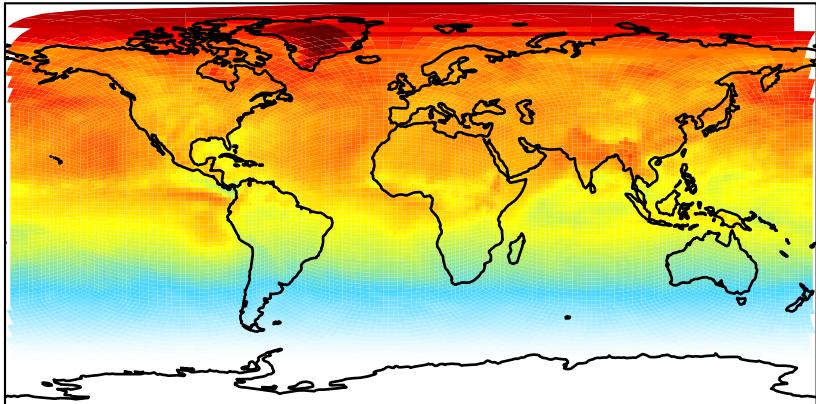


Ratio  
Dev/Ref, Fixed Range

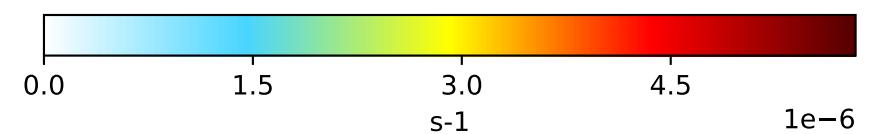
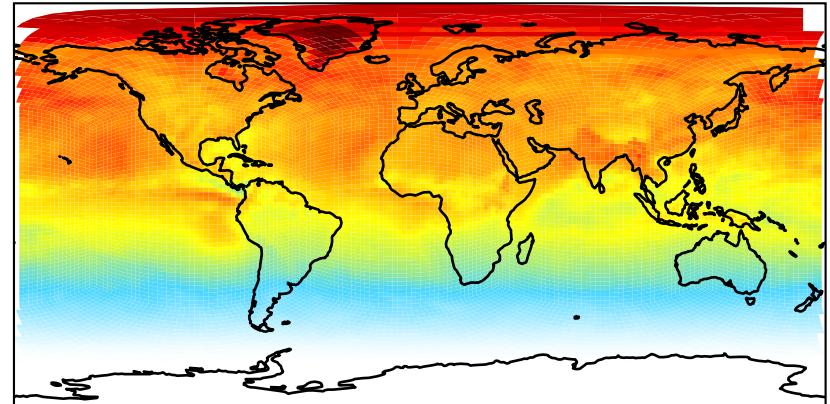


# Jval\_PRPN

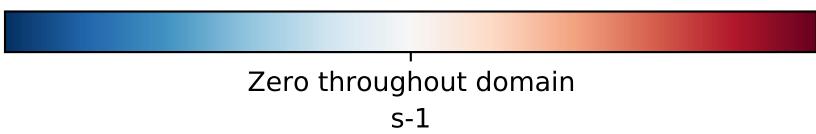
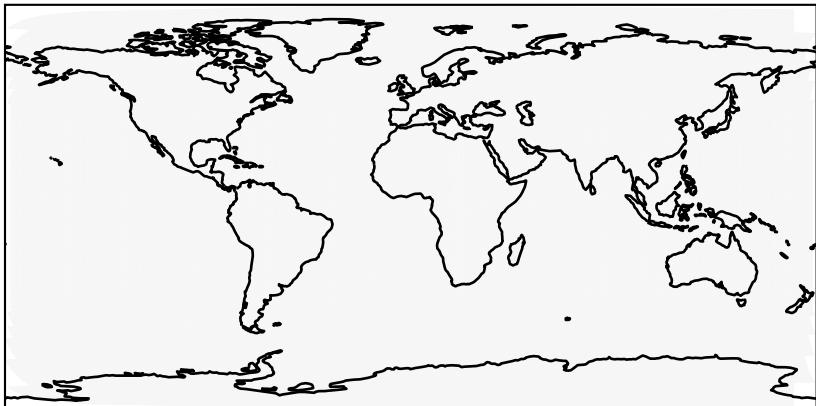
GCHP\_13.2.0-beta.0 (Ref)  
c48



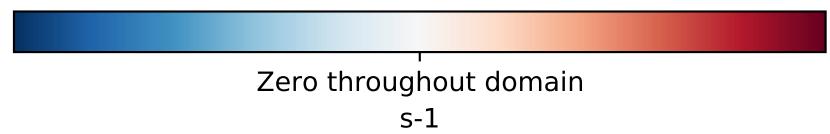
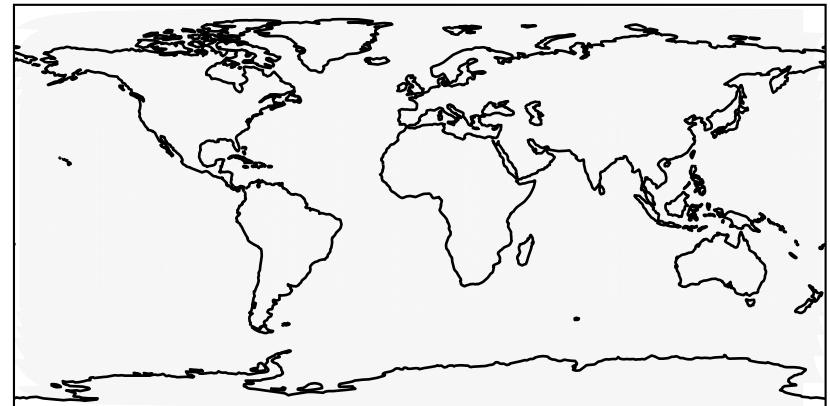
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



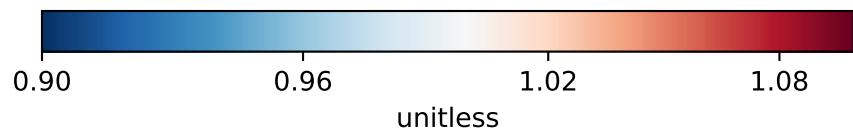
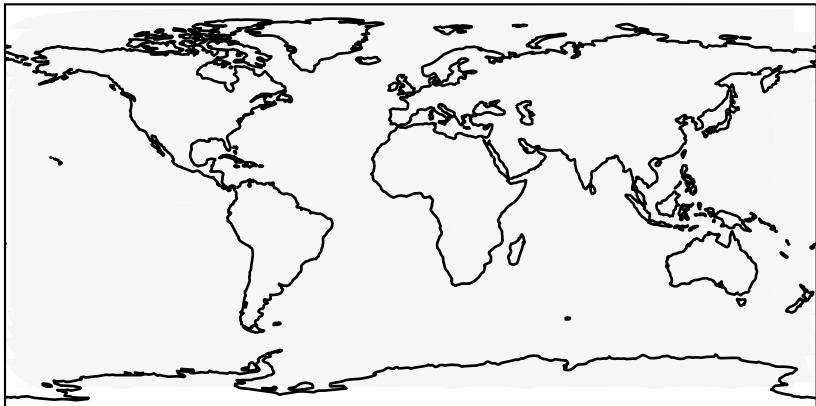
Difference  
Dev - Ref, Dynamic Range



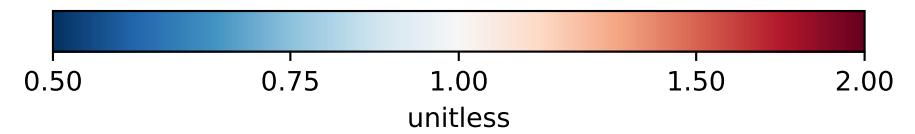
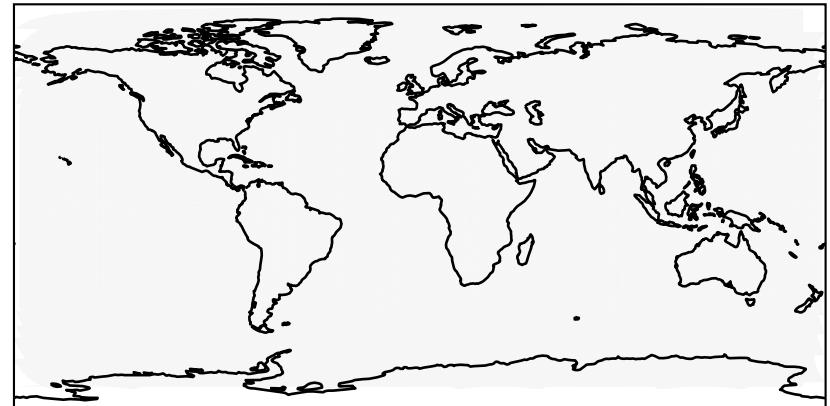
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

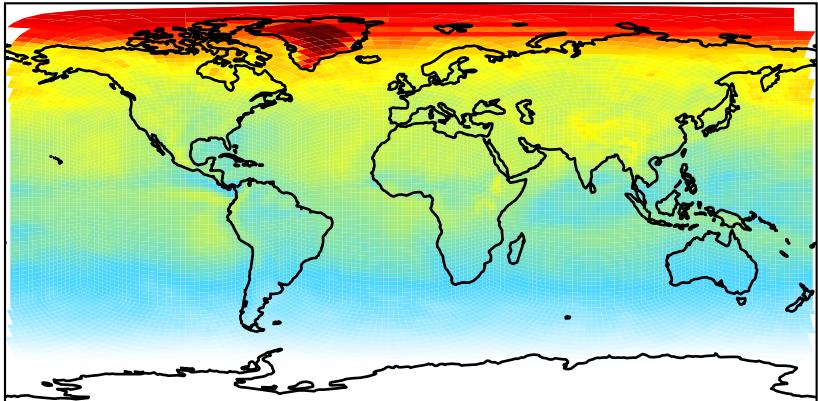


Ratio  
Dev/Ref, Fixed Range

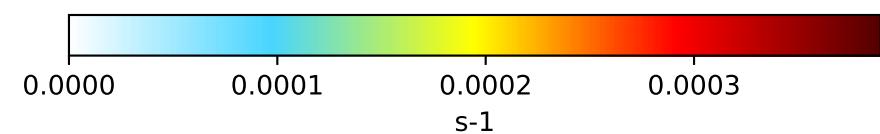
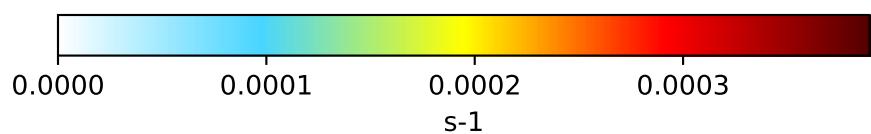
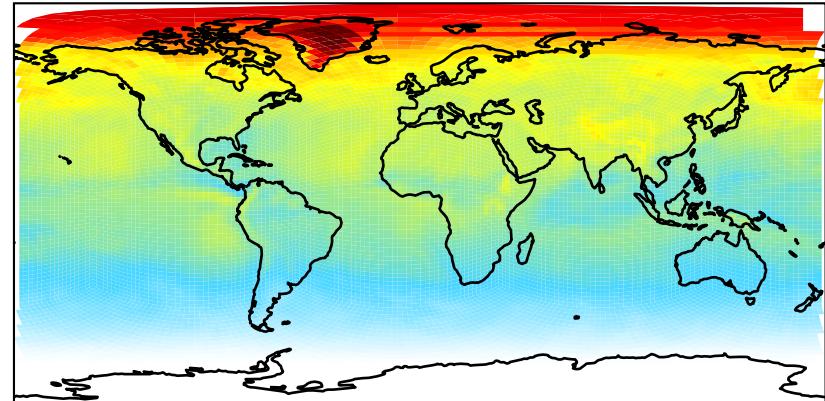


# Jval\_PYAC

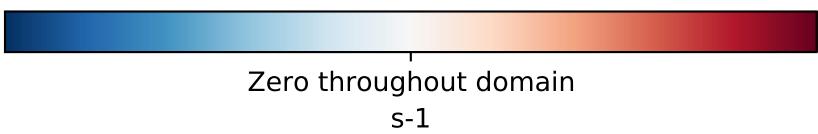
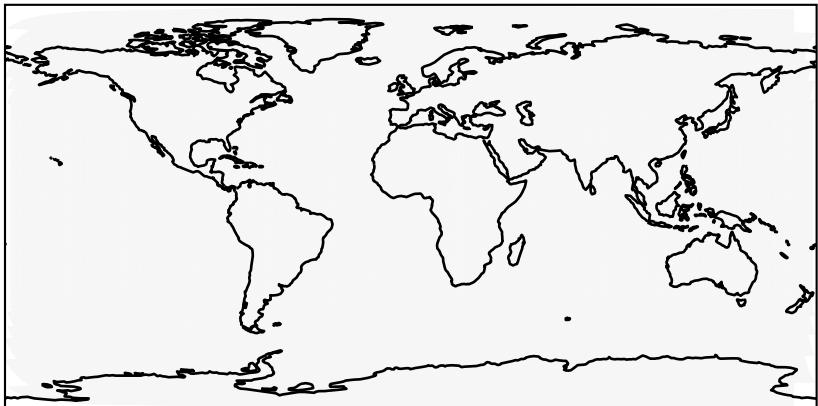
GCHP\_13.2.0-beta.0 (Ref)  
c48



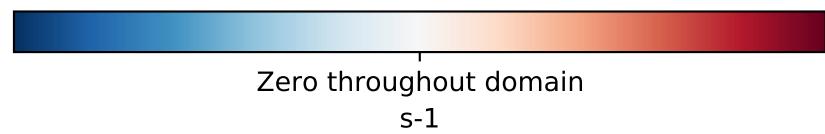
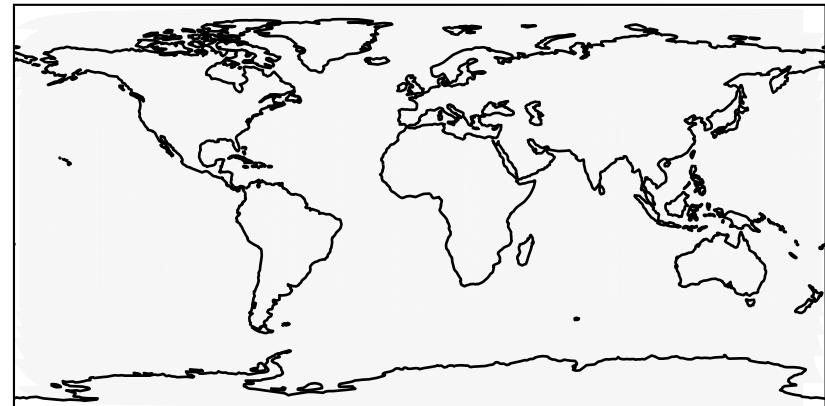
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



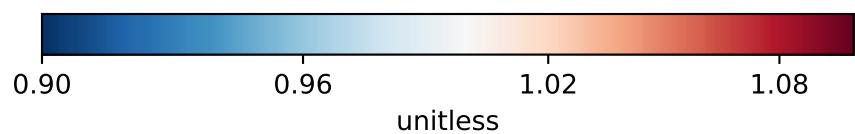
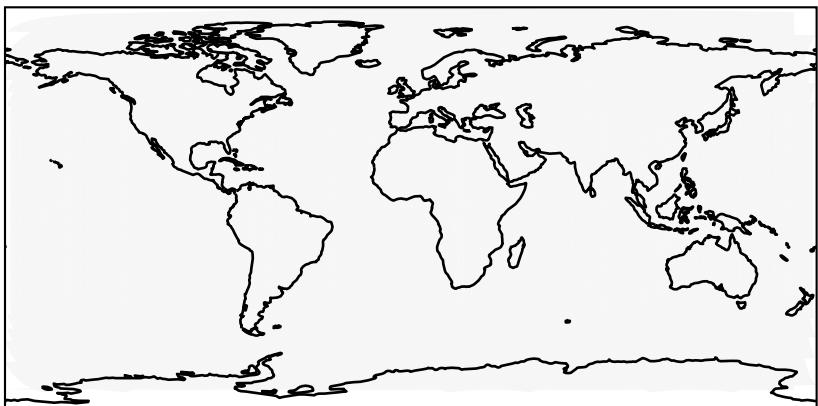
Difference  
Dev - Ref, Dynamic Range



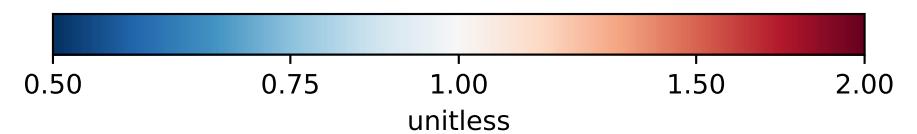
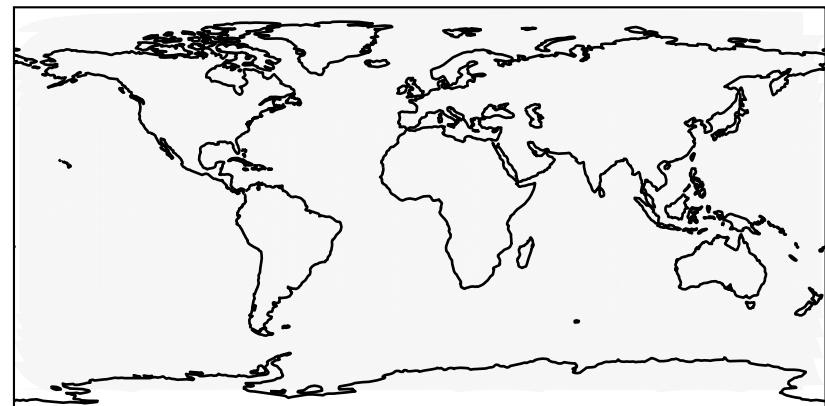
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

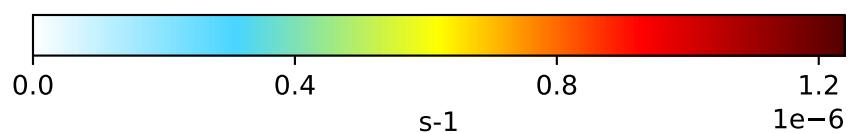
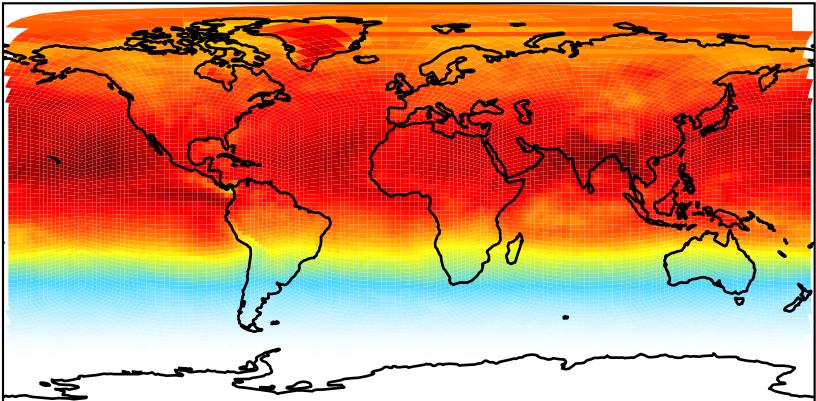


Ratio  
Dev/Ref, Fixed Range

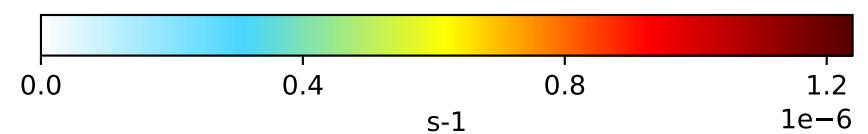
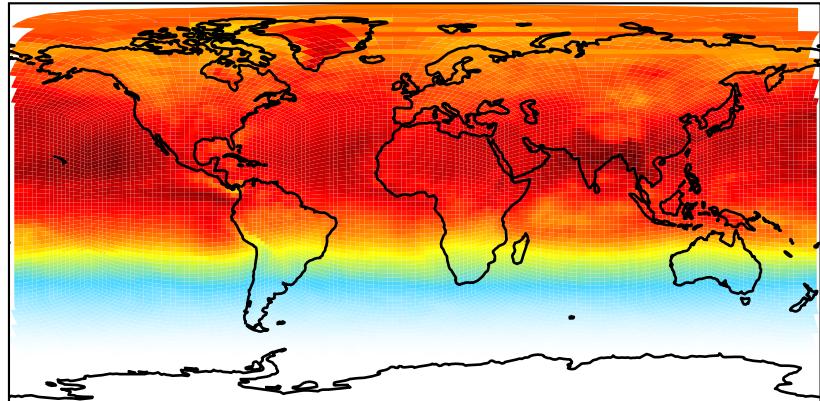


# Jval\_R4N2

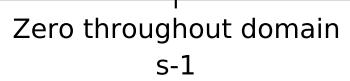
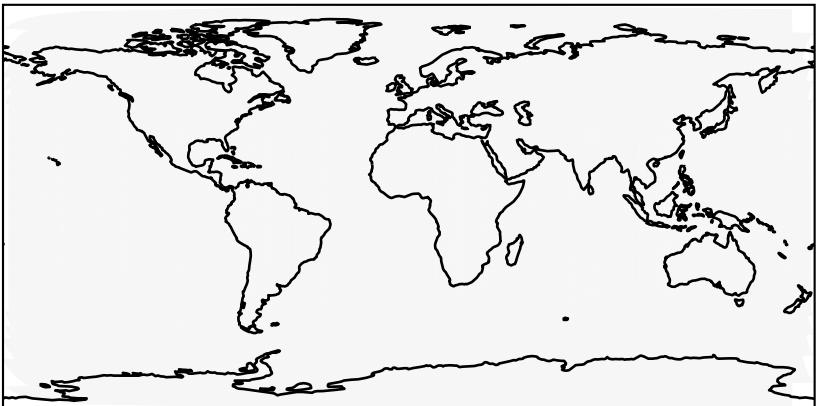
GCHP\_13.2.0-beta.0 (Ref)  
c48



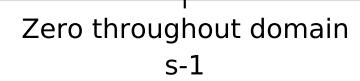
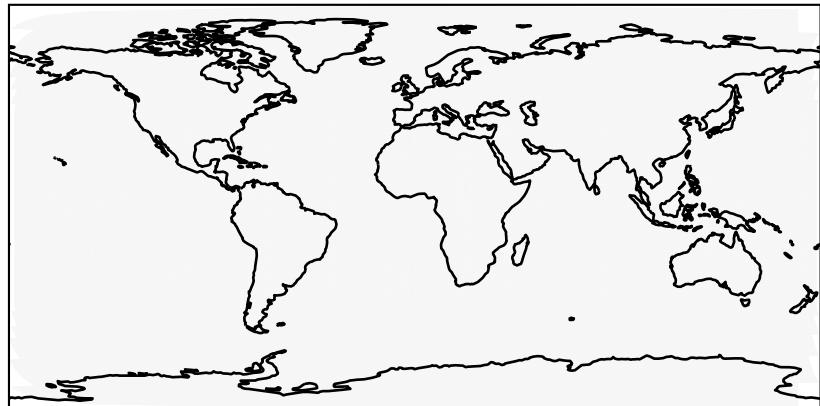
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



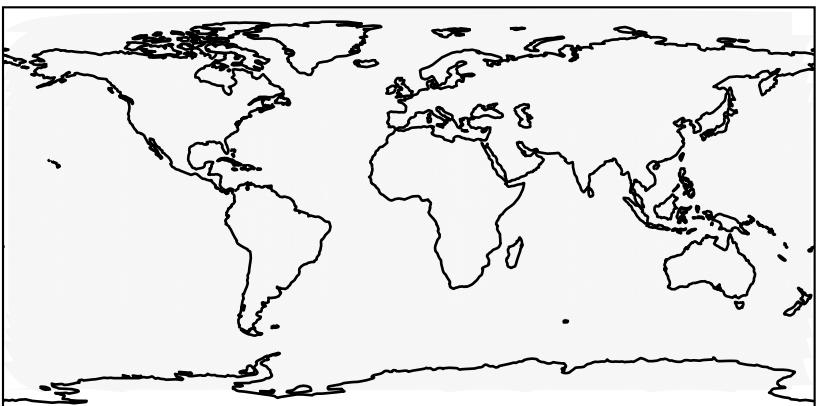
Difference  
Dev - Ref, Dynamic Range



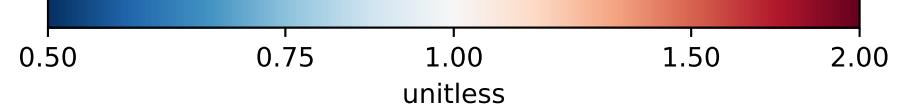
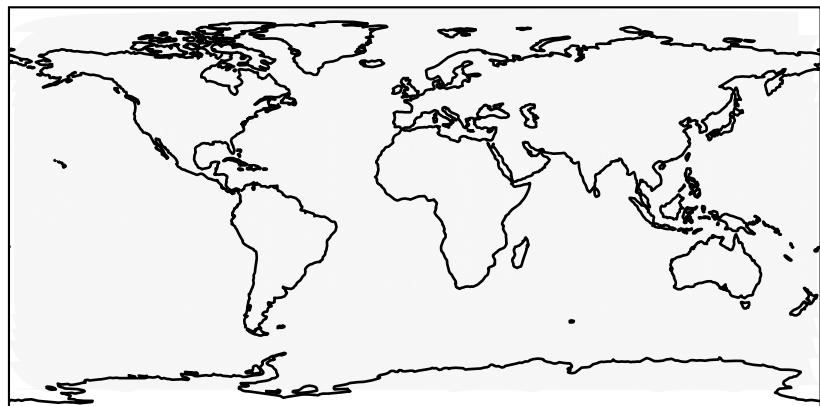
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

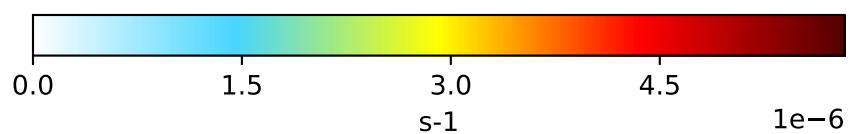
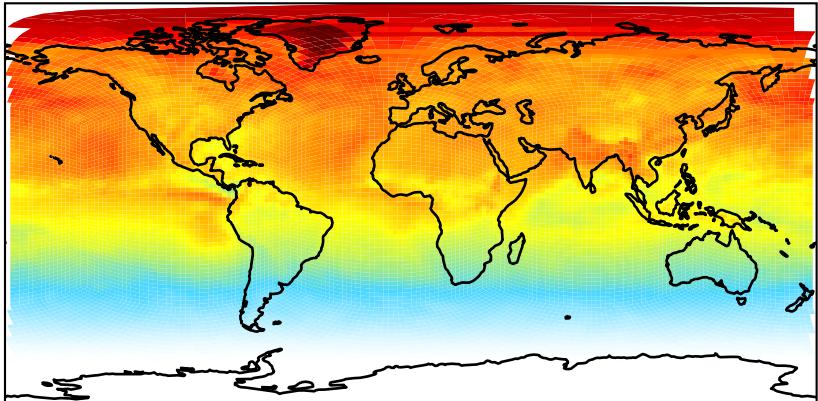


Ratio  
Dev/Ref, Fixed Range

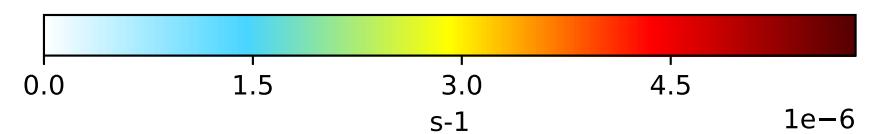
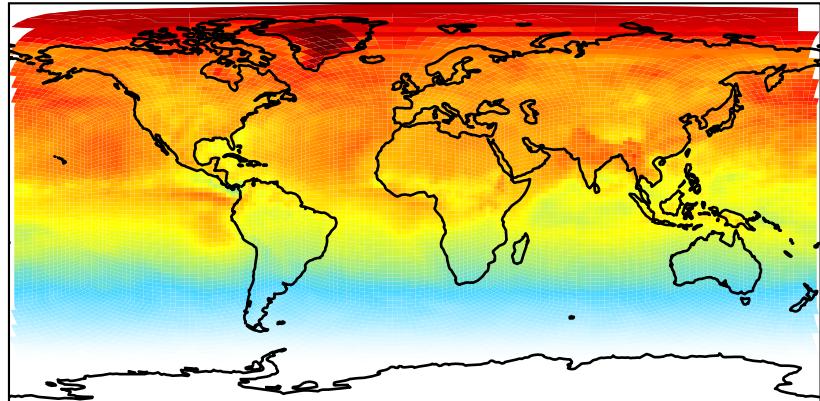


# Jval\_R4P

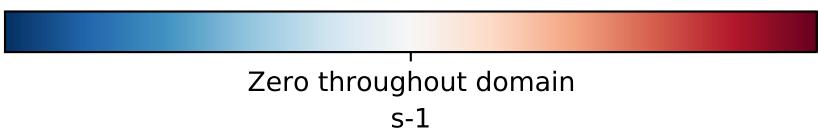
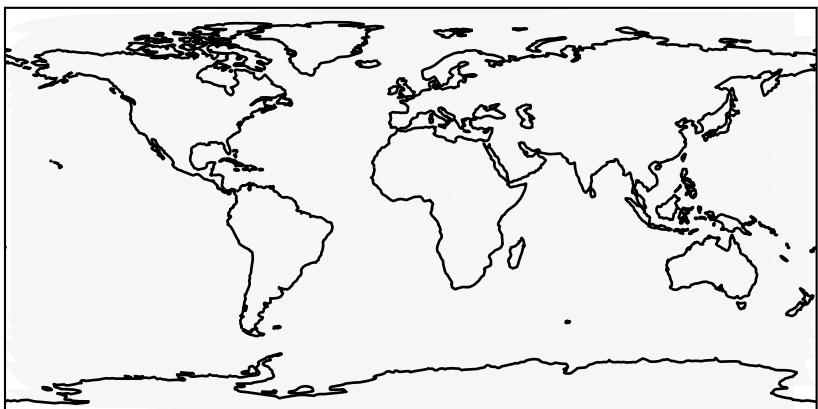
GCHP\_13.2.0-beta.0 (Ref)  
c48



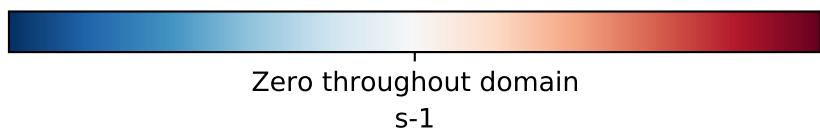
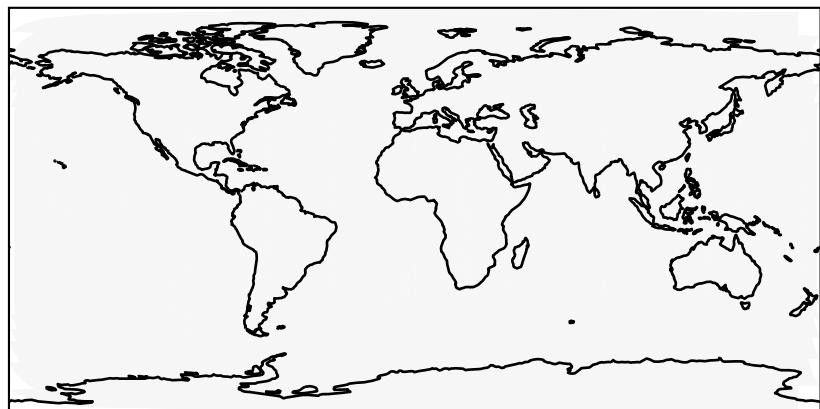
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



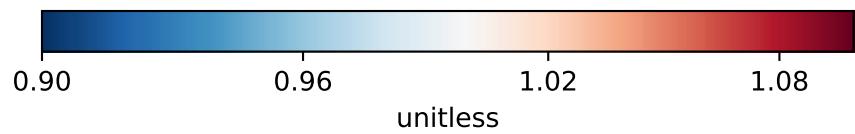
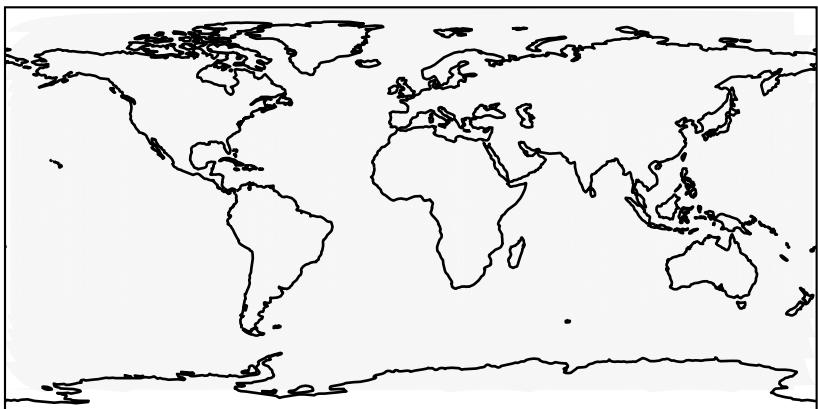
Difference  
Dev - Ref, Dynamic Range



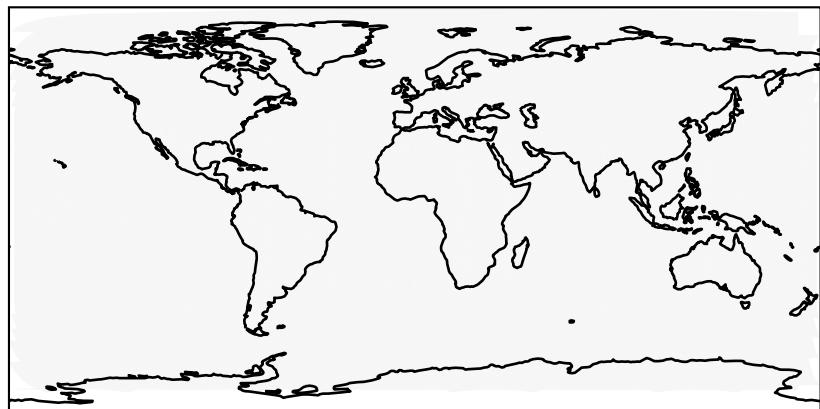
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

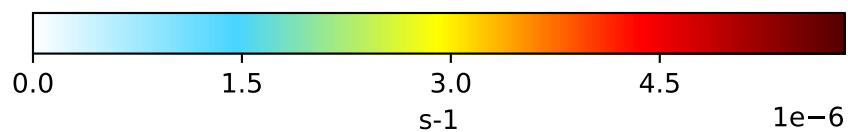
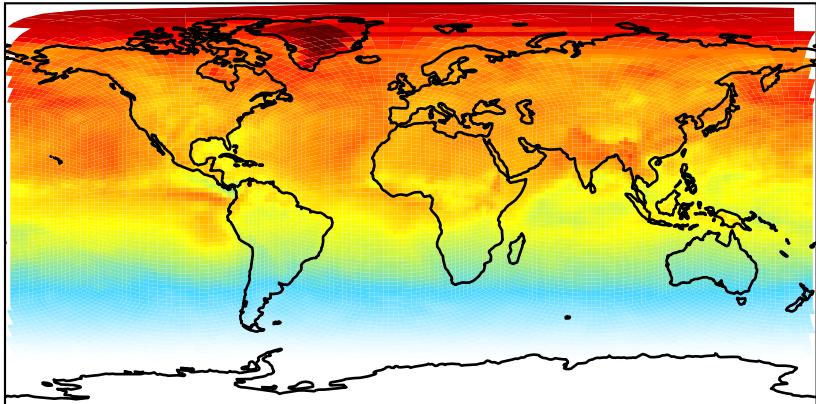


Ratio  
Dev/Ref, Fixed Range

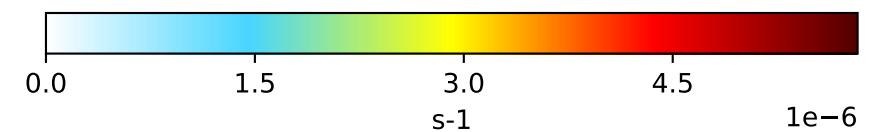
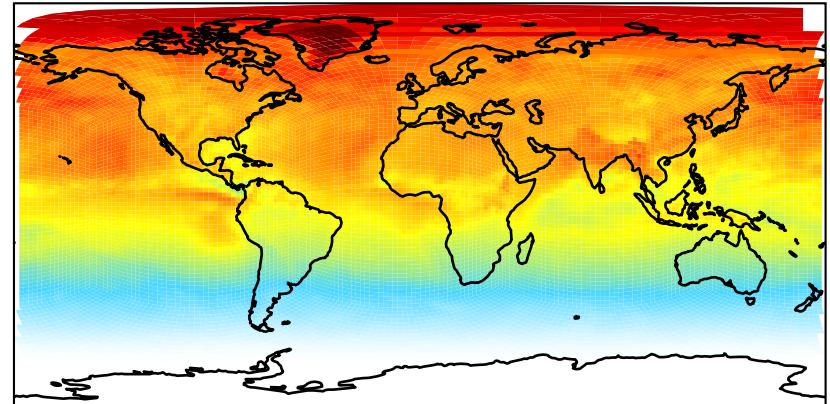


# Jval\_RA3P

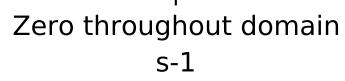
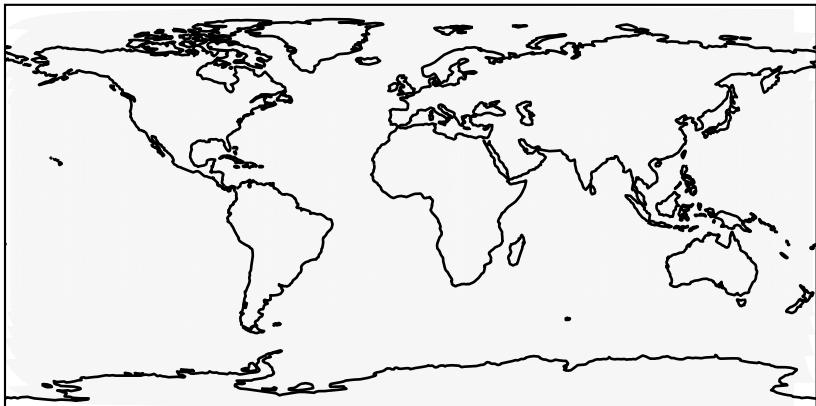
GCHP\_13.2.0-beta.0 (Ref)  
c48



GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48

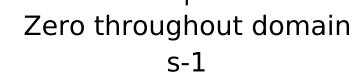
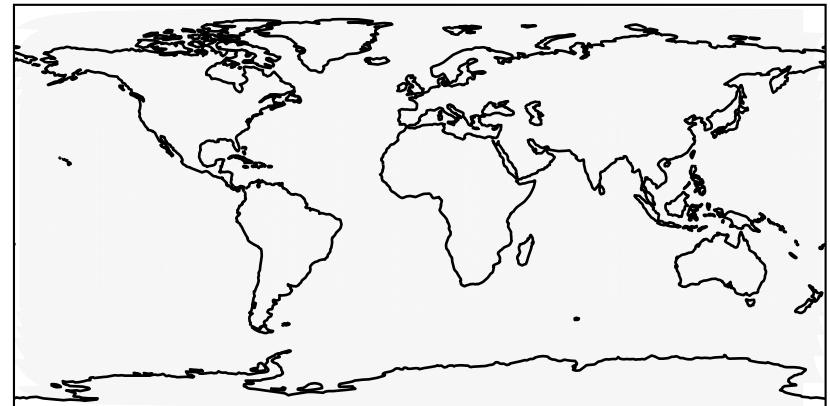


Difference  
Dev - Ref, Dynamic Range



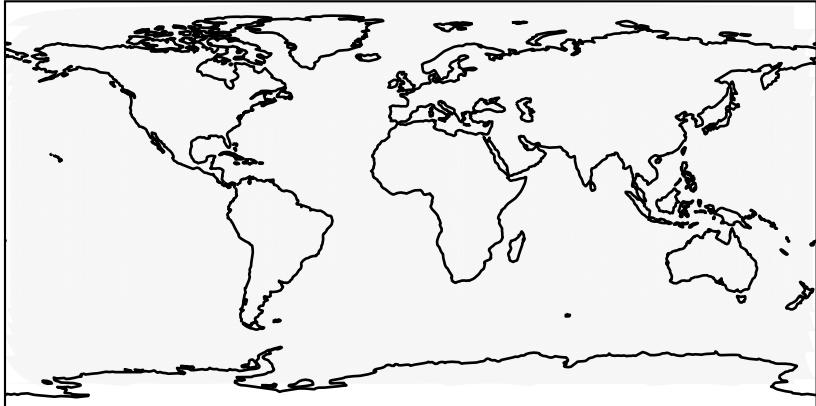
Zero throughout domain  
s-1

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



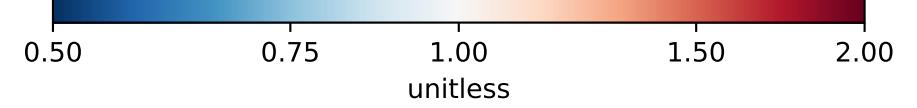
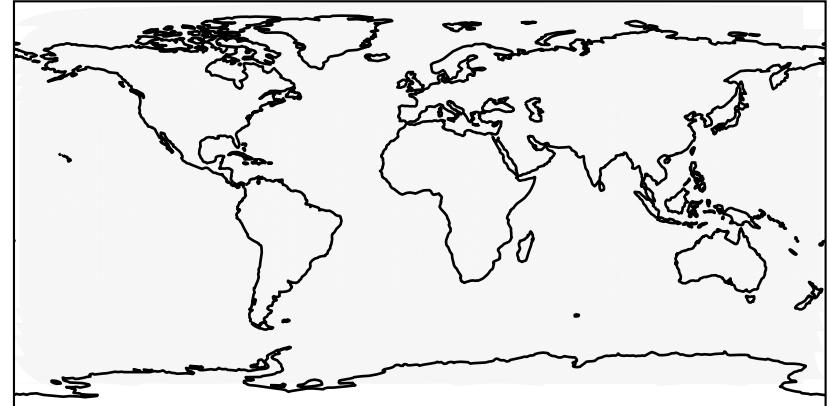
Zero throughout domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



unitless

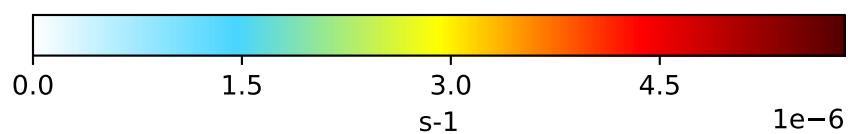
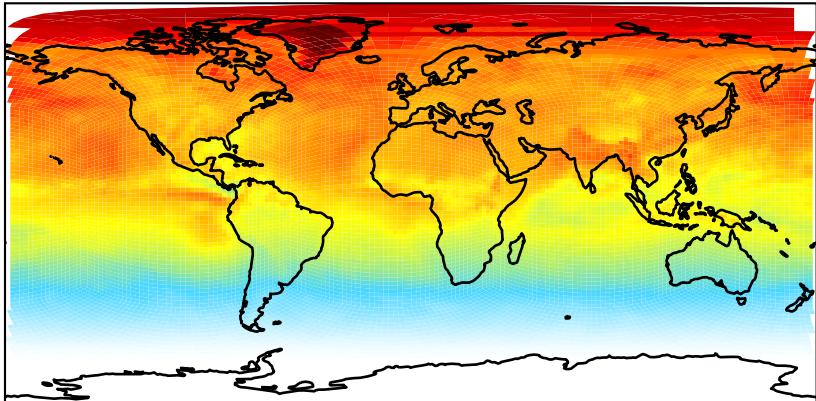
Ratio  
Dev/Ref, Fixed Range



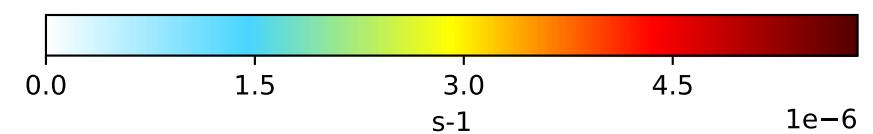
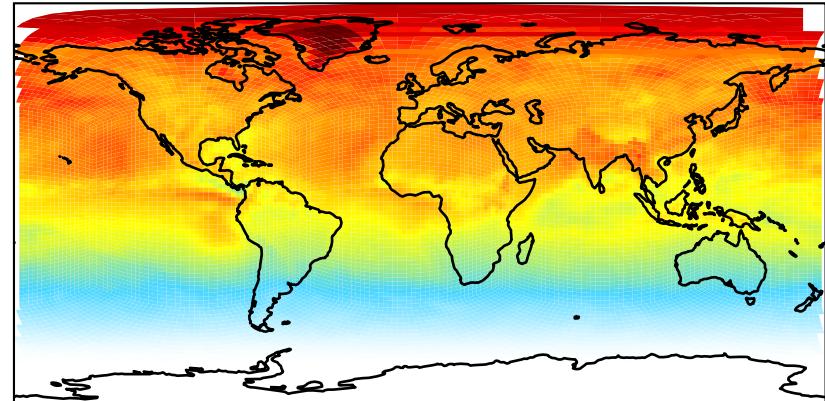
unitless

# Jval\_RB3P

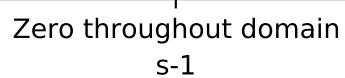
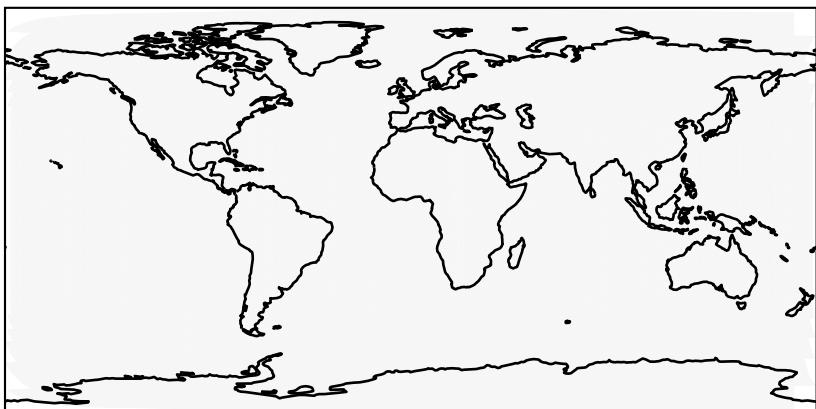
GCHP\_13.2.0-beta.0 (Ref)  
c48



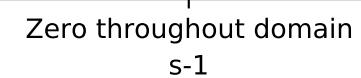
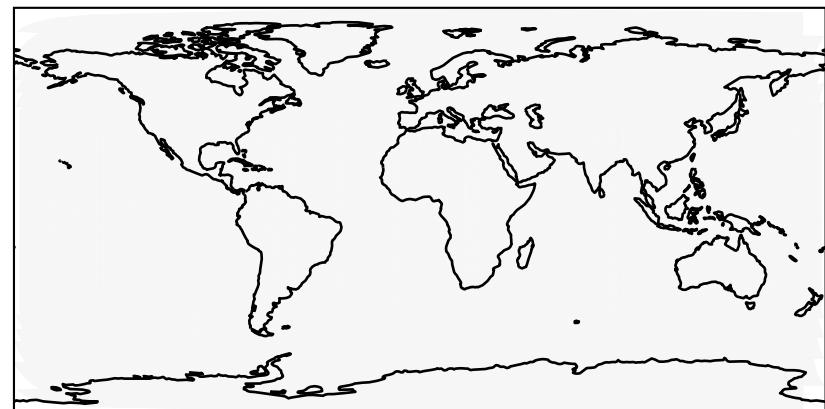
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



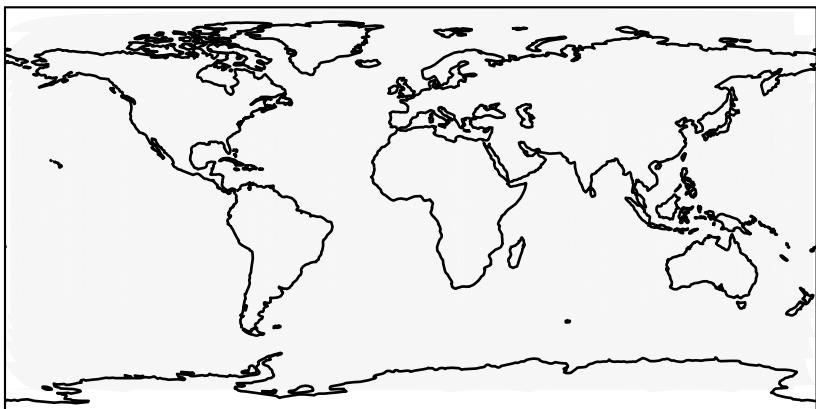
Difference  
Dev - Ref, Dynamic Range



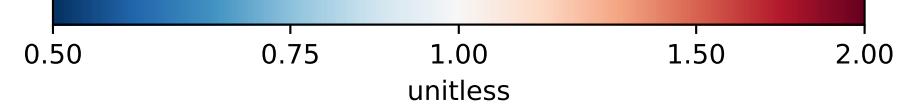
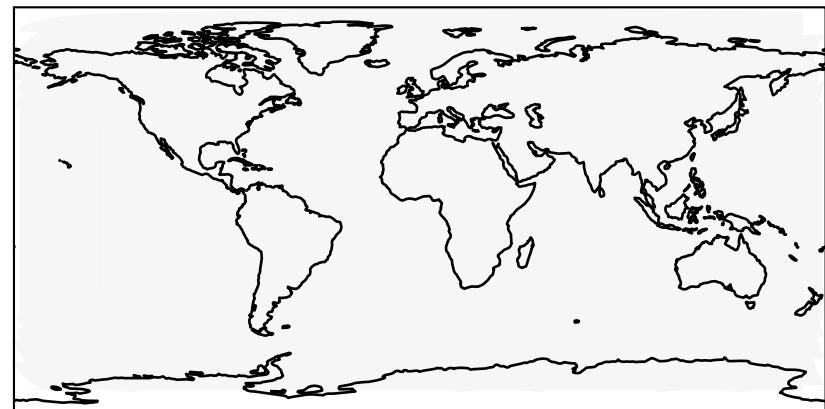
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

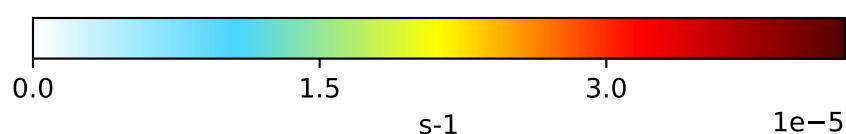
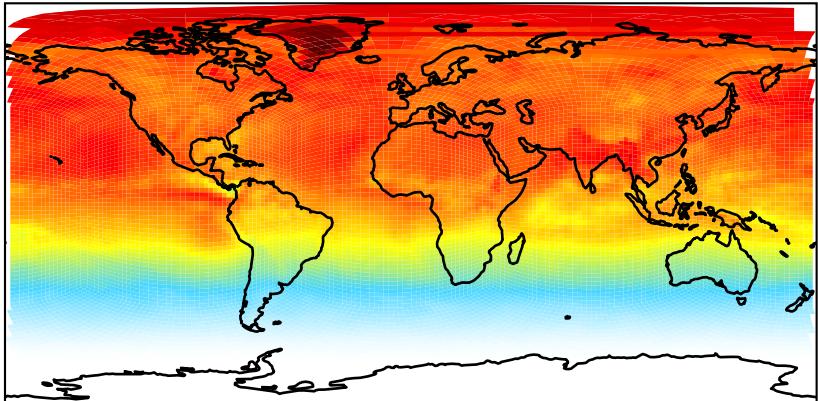


Ratio  
Dev/Ref, Fixed Range

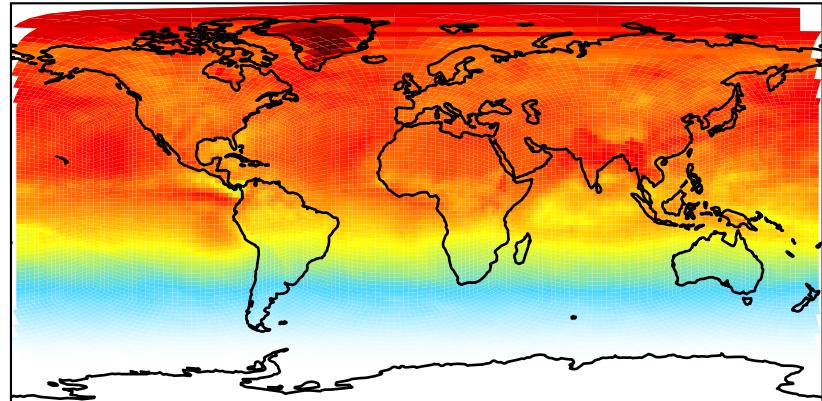


# Jval\_RCHO

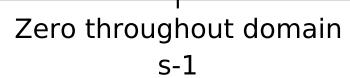
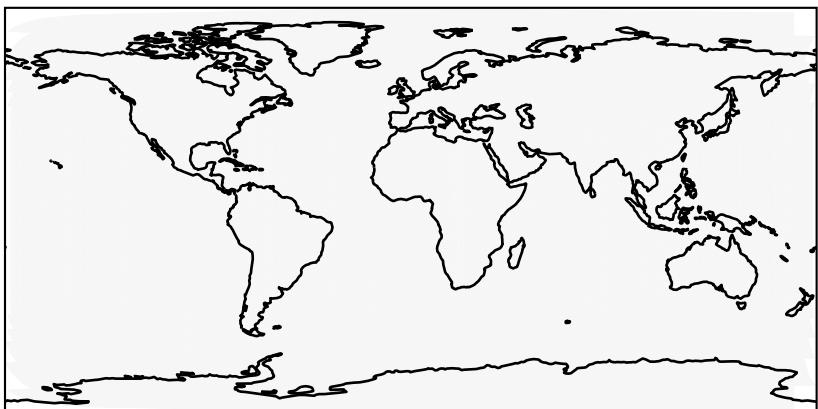
GCHP\_13.2.0-beta.0 (Ref)  
c48



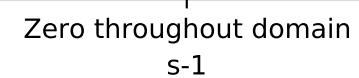
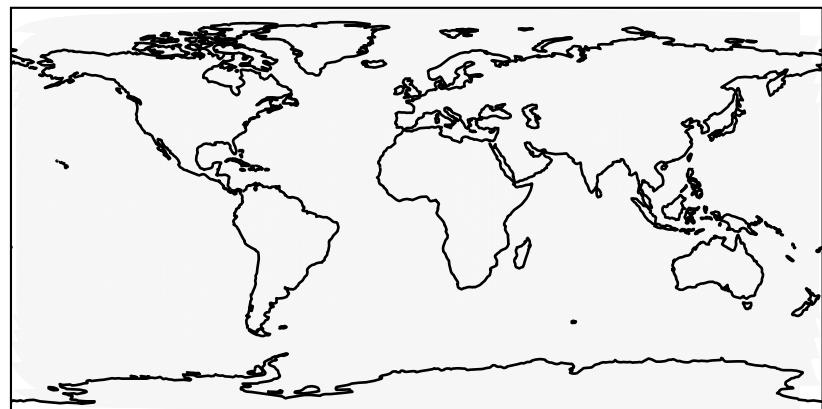
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



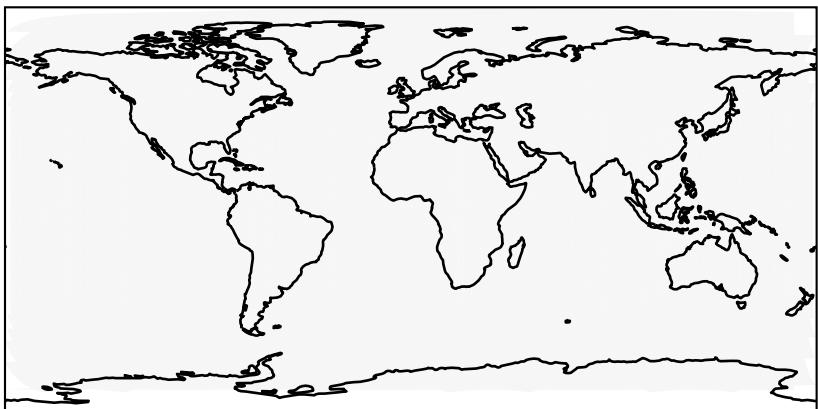
Difference  
Dev - Ref, Dynamic Range



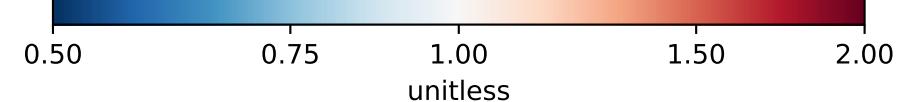
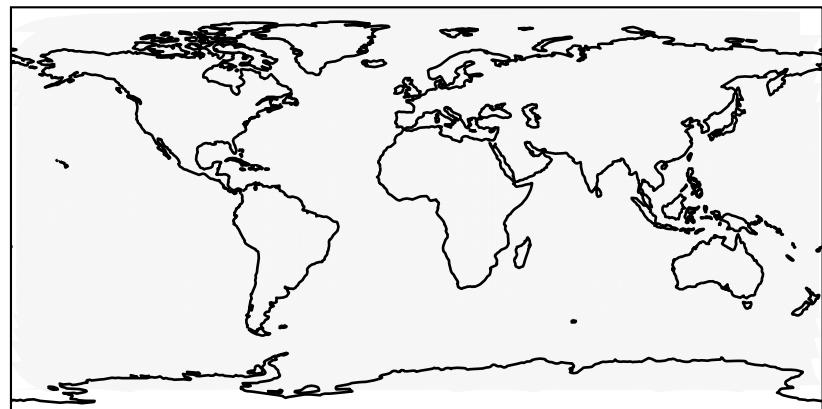
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

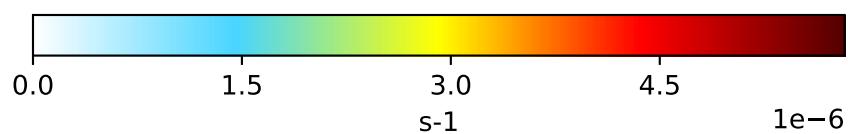
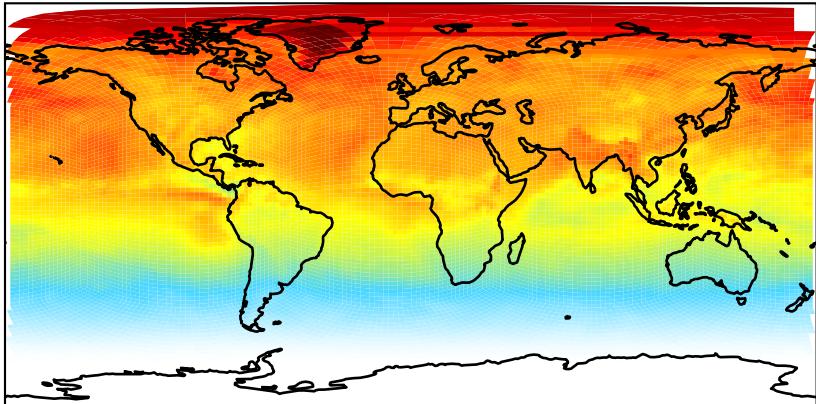


Ratio  
Dev/Ref, Fixed Range

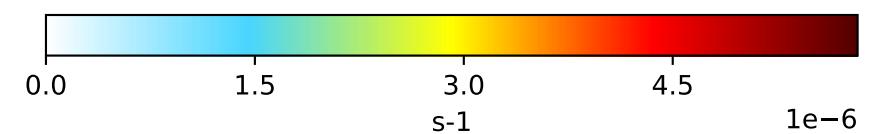
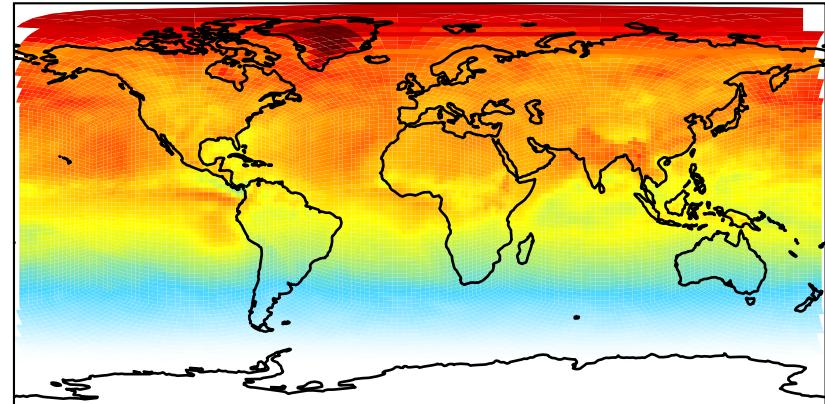


# Jval\_RIPA

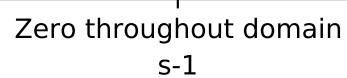
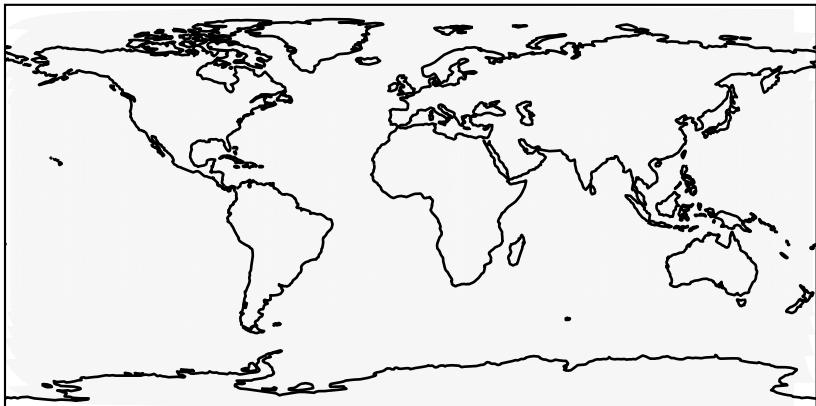
GCHP\_13.2.0-beta.0 (Ref)  
c48



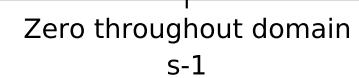
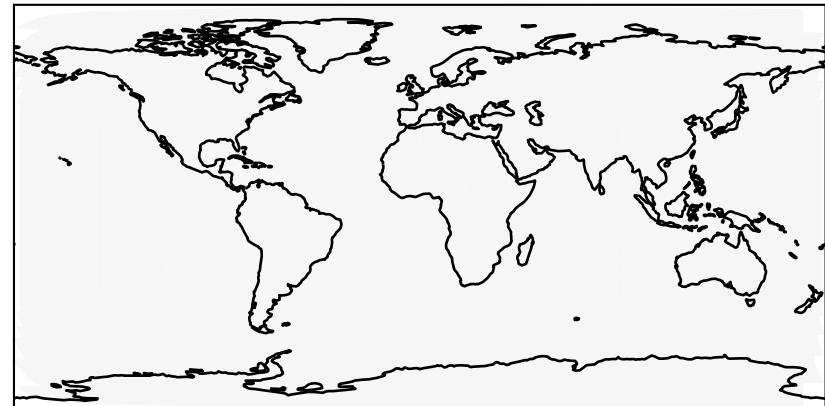
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



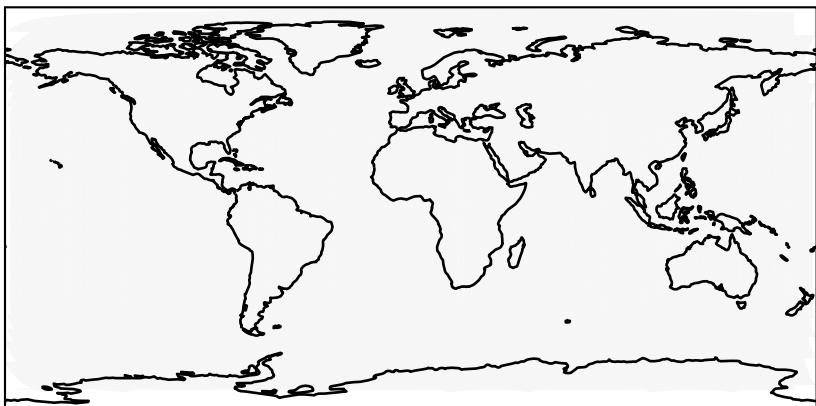
Difference  
Dev - Ref, Dynamic Range



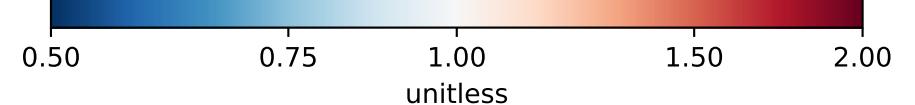
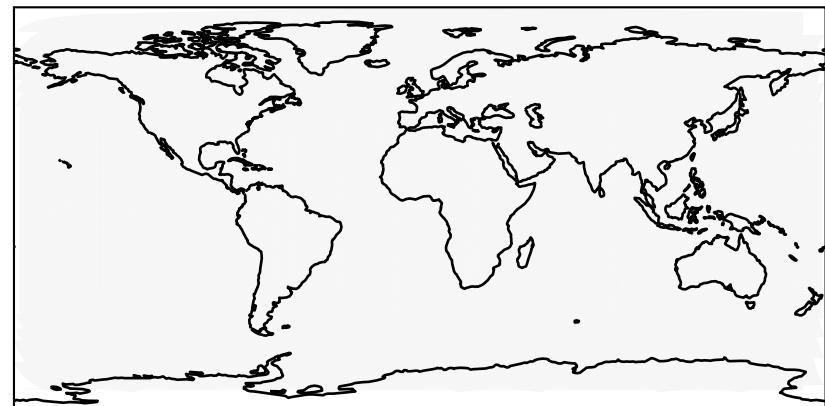
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

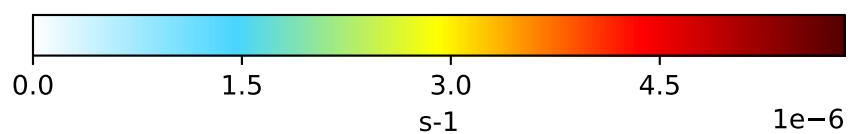
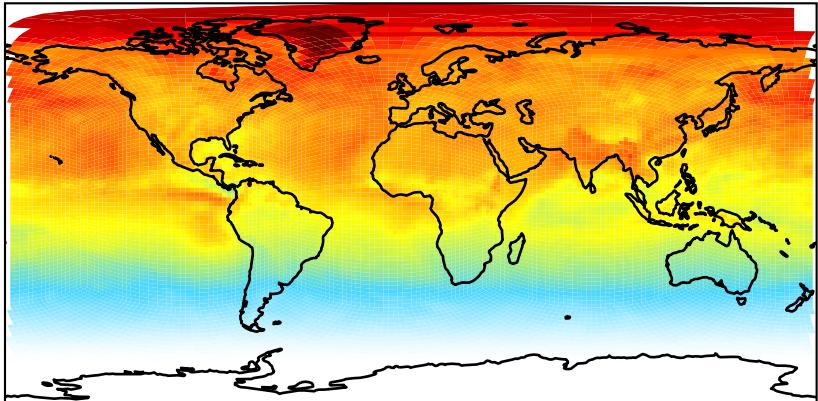


Ratio  
Dev/Ref, Fixed Range

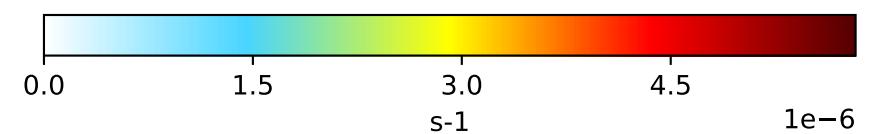
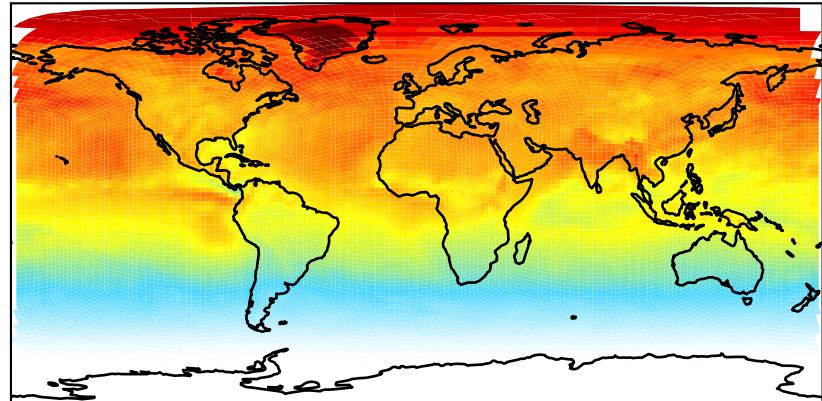


# Jval\_RIPB

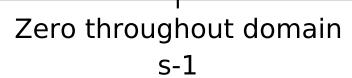
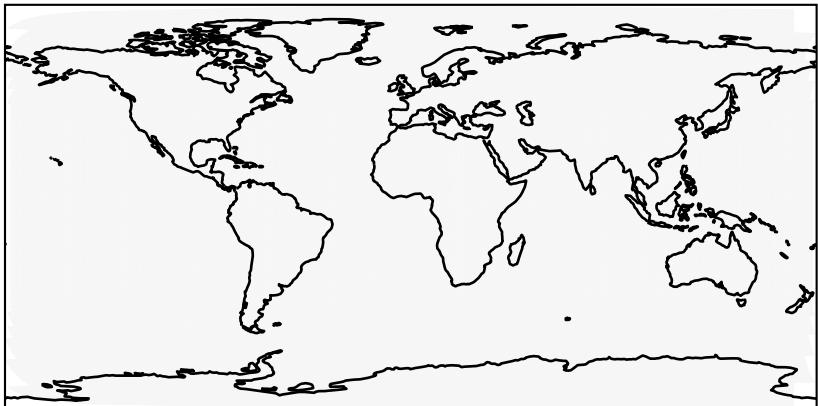
GCHP\_13.2.0-beta.0 (Ref)  
c48



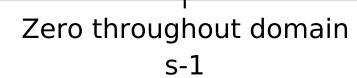
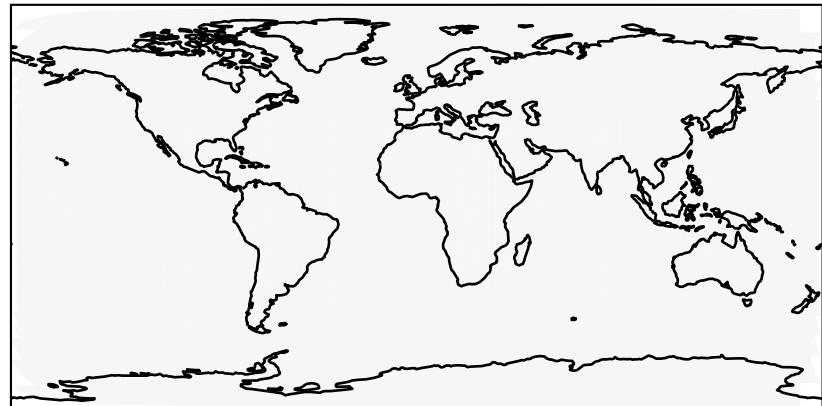
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



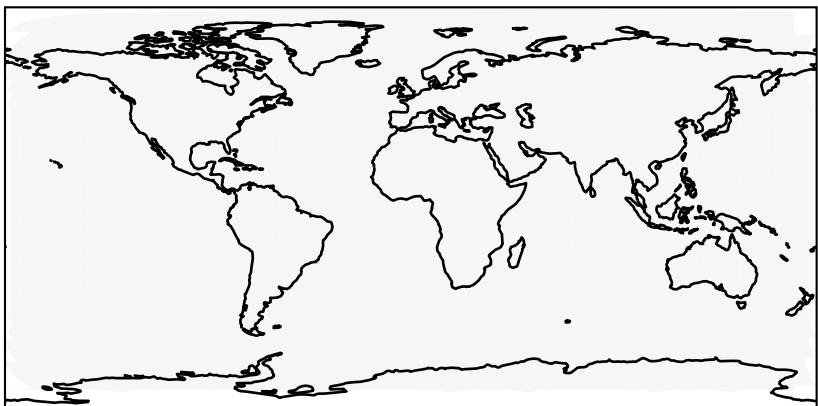
Difference  
Dev - Ref, Dynamic Range



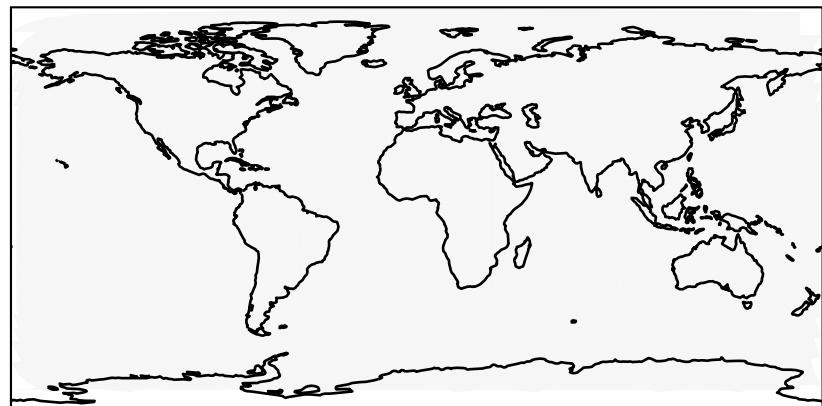
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

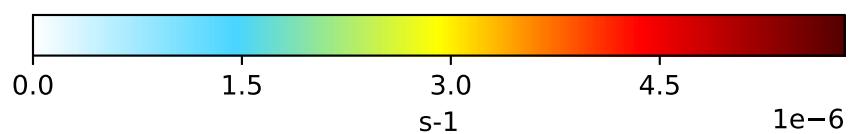
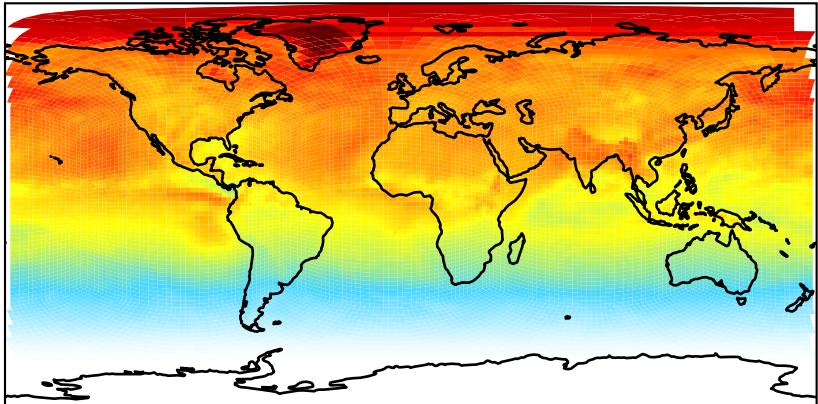


Ratio  
Dev/Ref, Fixed Range

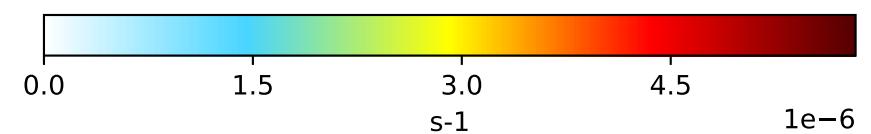
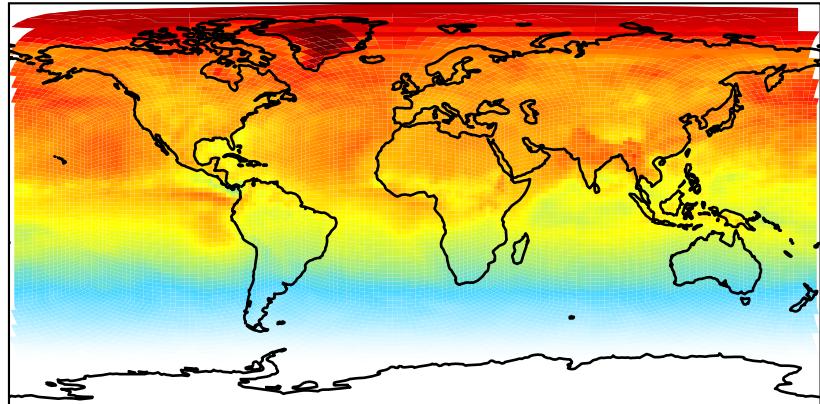


# Jval\_RIPC

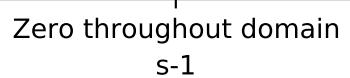
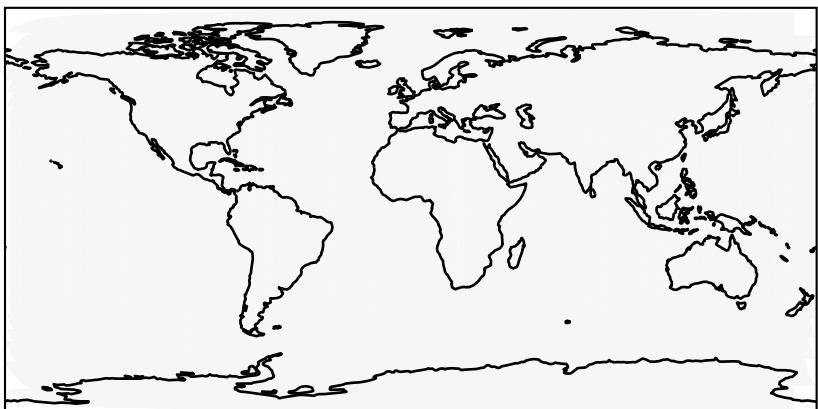
GCHP\_13.2.0-beta.0 (Ref)  
c48



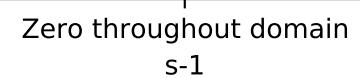
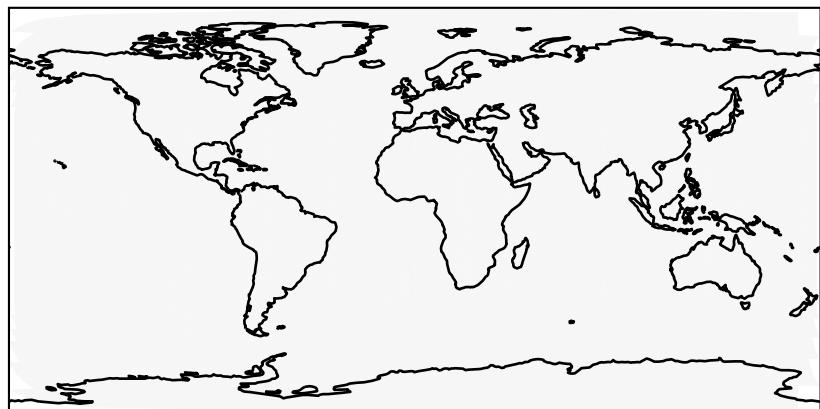
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



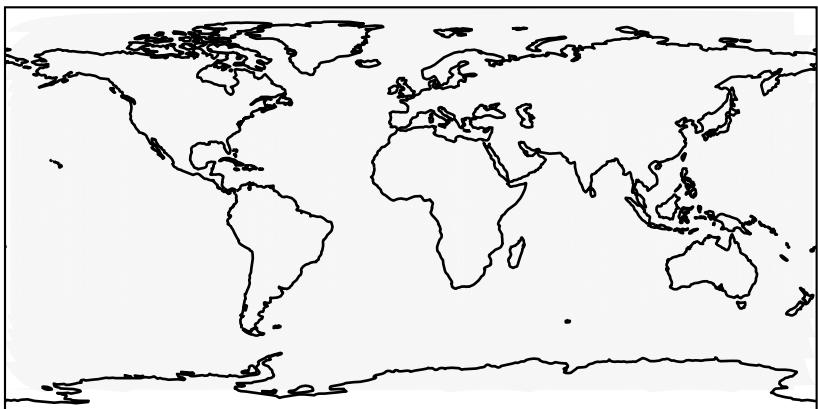
Difference  
Dev - Ref, Dynamic Range



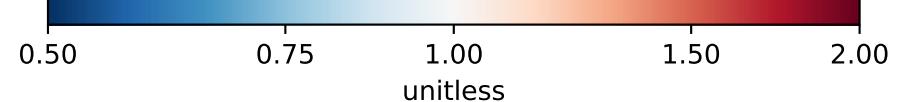
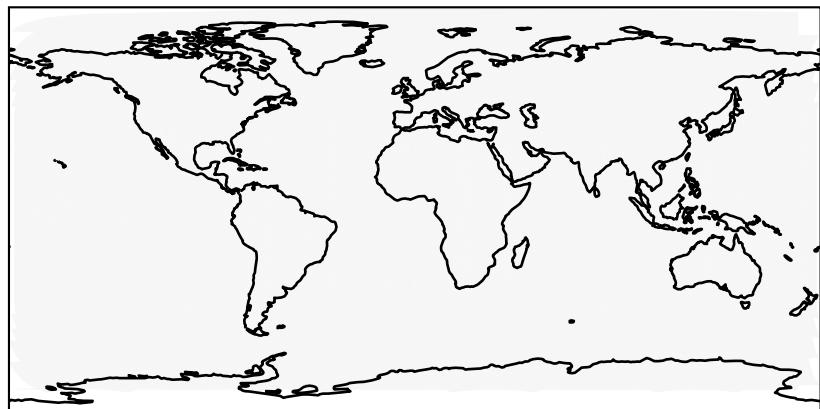
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

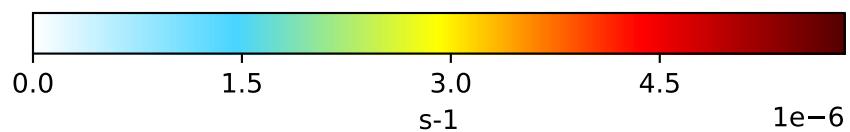
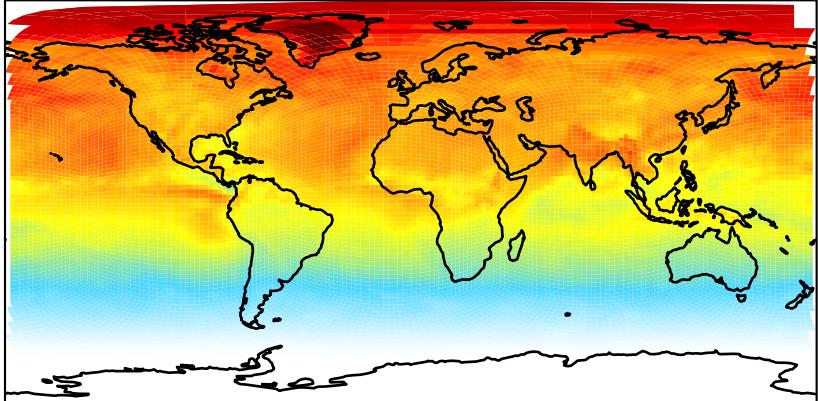


Ratio  
Dev/Ref, Fixed Range

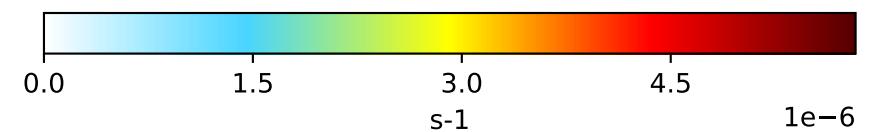
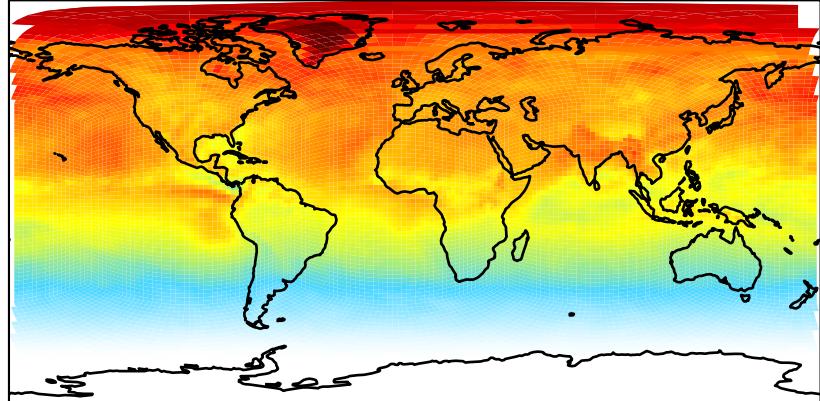


# Jval\_RIPD

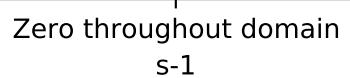
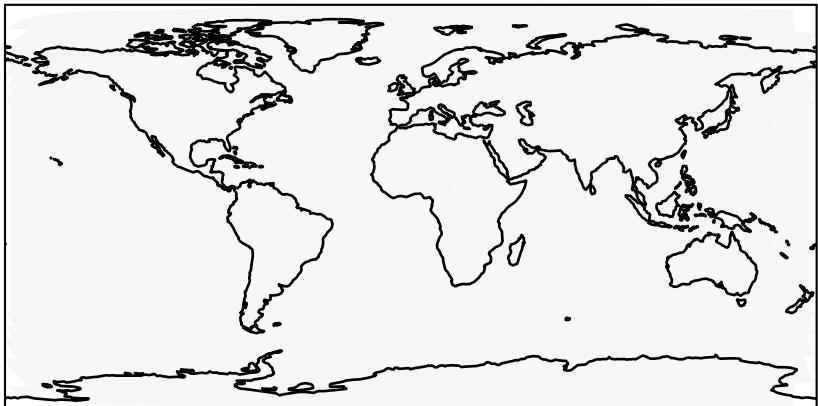
GCHP\_13.2.0-beta.0 (Ref)  
c48



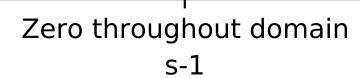
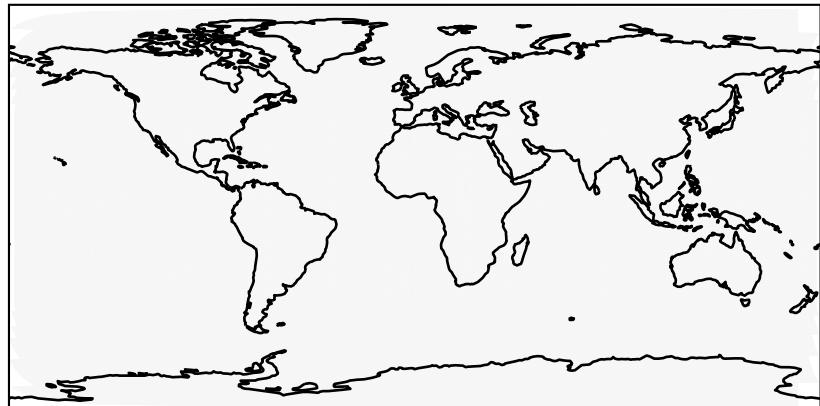
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



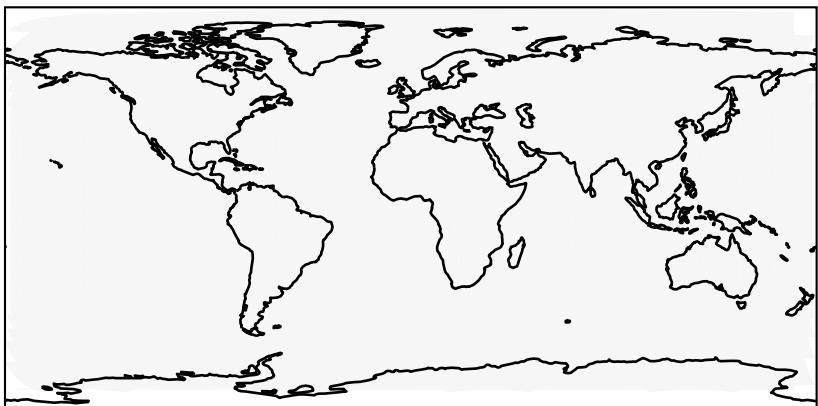
Difference  
Dev - Ref, Dynamic Range



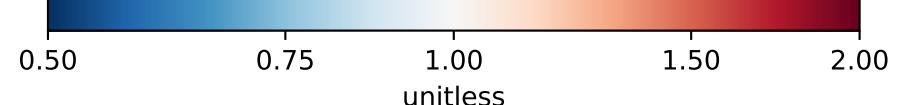
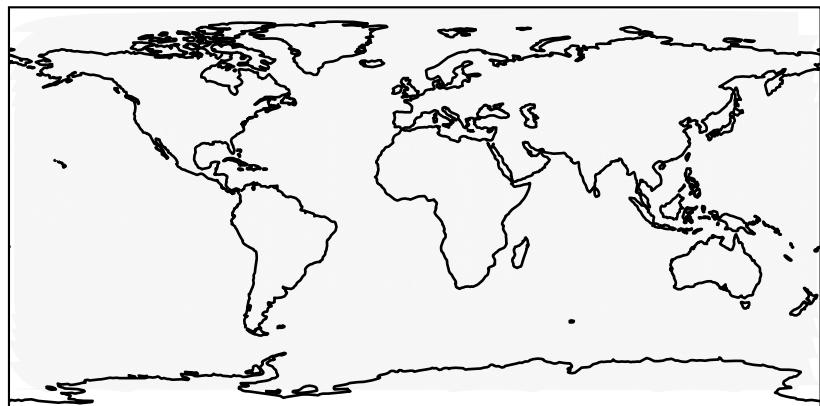
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

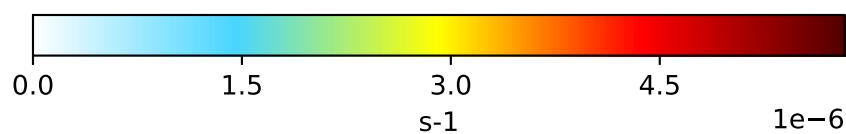
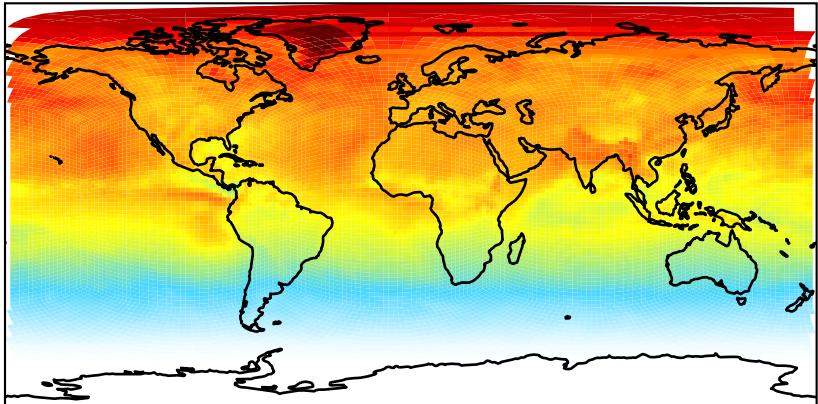


Ratio  
Dev/Ref, Fixed Range

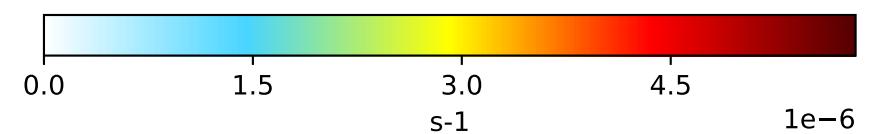
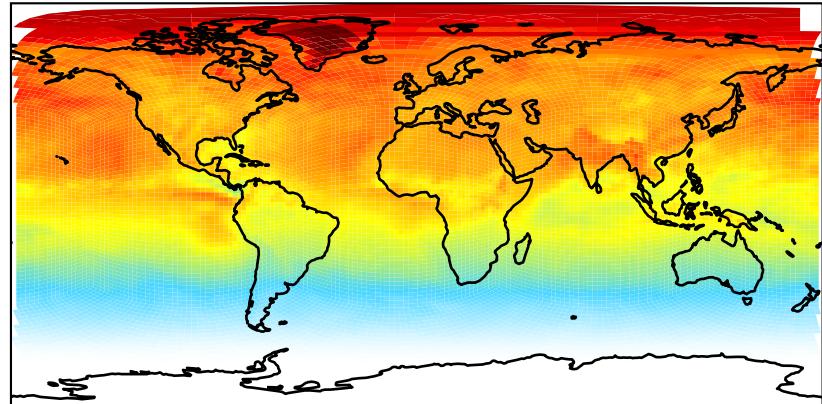


# Jval\_RP

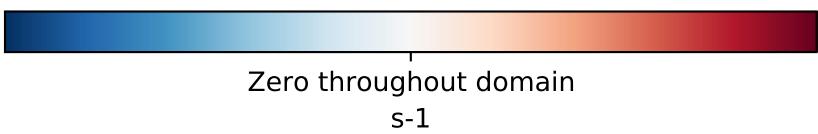
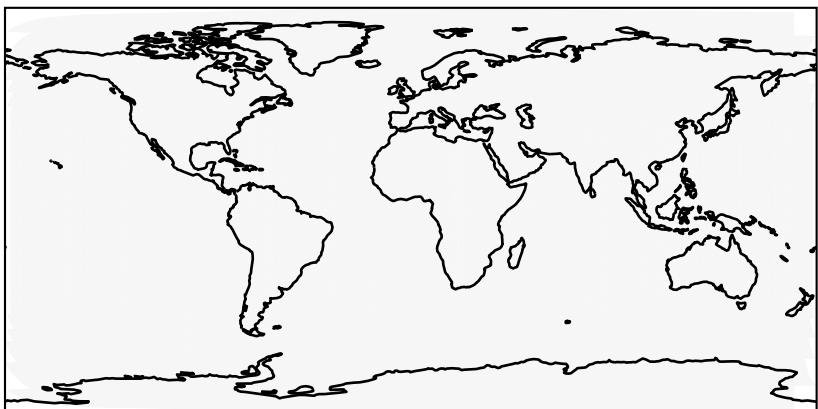
GCHP\_13.2.0-beta.0 (Ref)  
c48



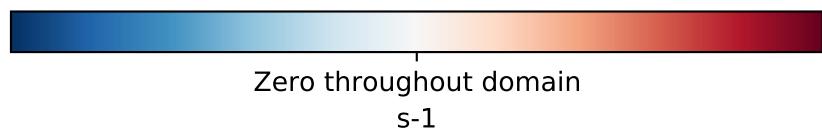
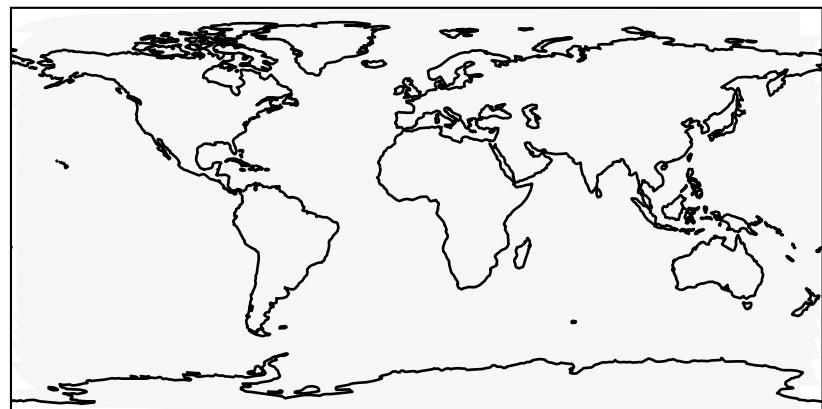
GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



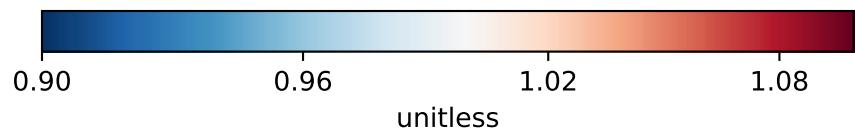
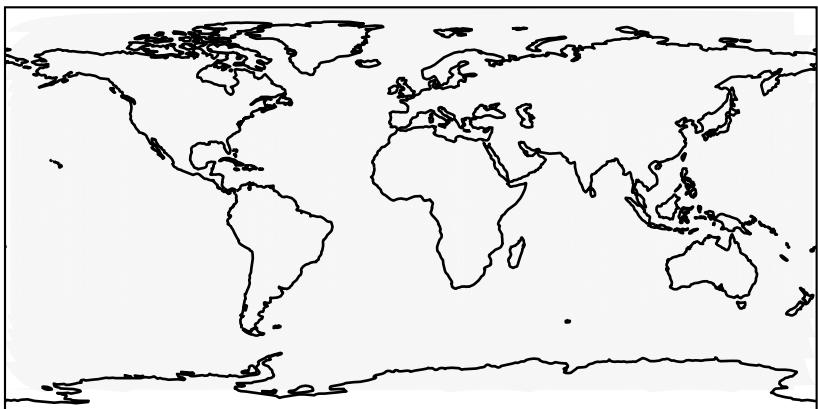
Difference  
Dev - Ref, Dynamic Range



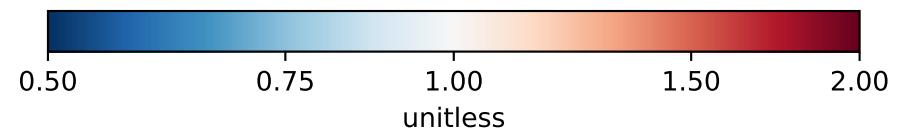
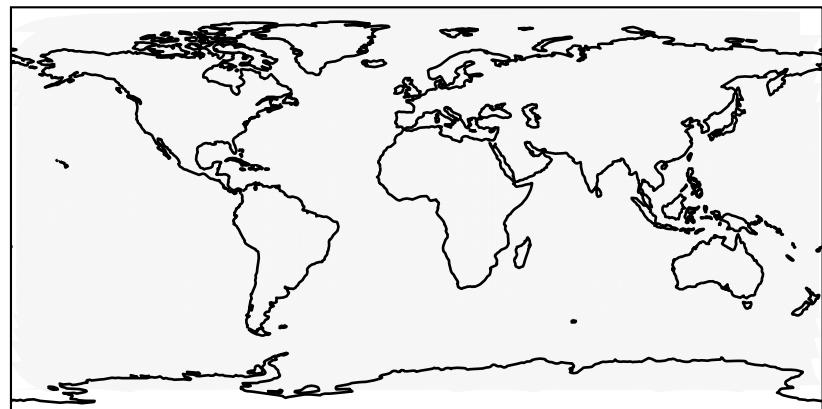
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range



# Jval\_SO4

GCHP\_13.2.0-beta.0 (Ref)  
c48



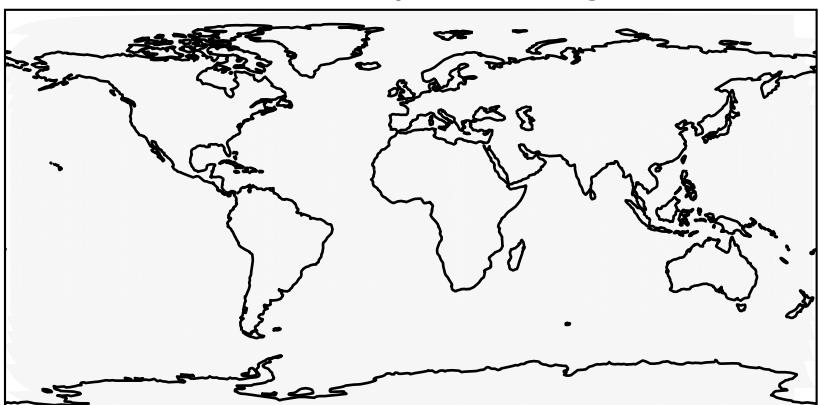
Zero throughout domain  
s-1

GCHP\_13.2.0-beta.0-LuoWetdep (Dev)  
c48



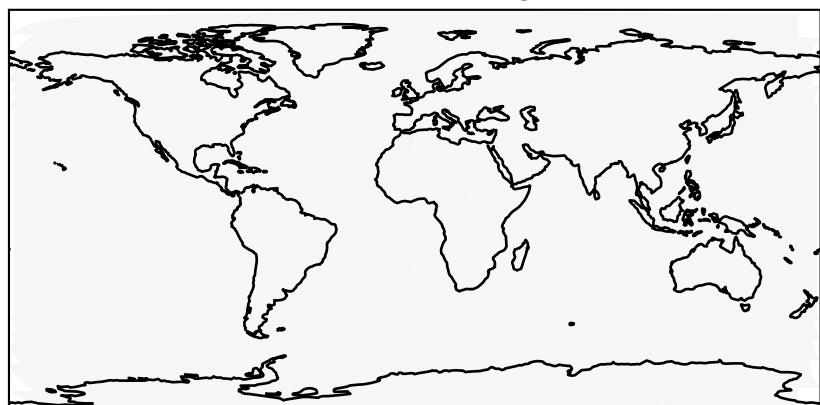
Zero throughout domain  
s-1

Difference  
Dev - Ref, Dynamic Range



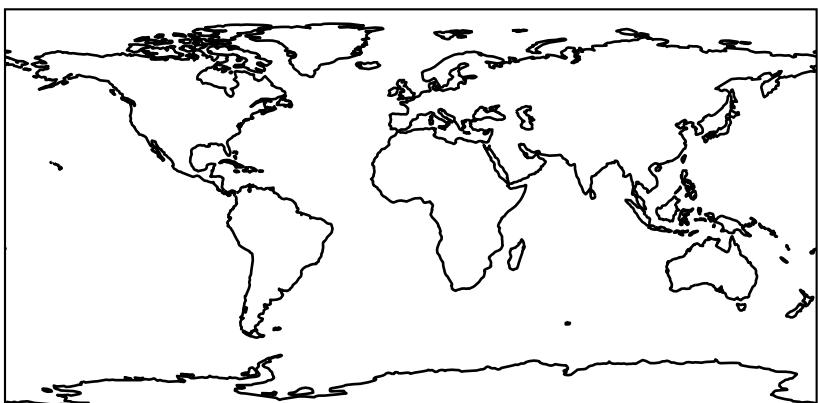
Zero throughout domain  
s-1

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



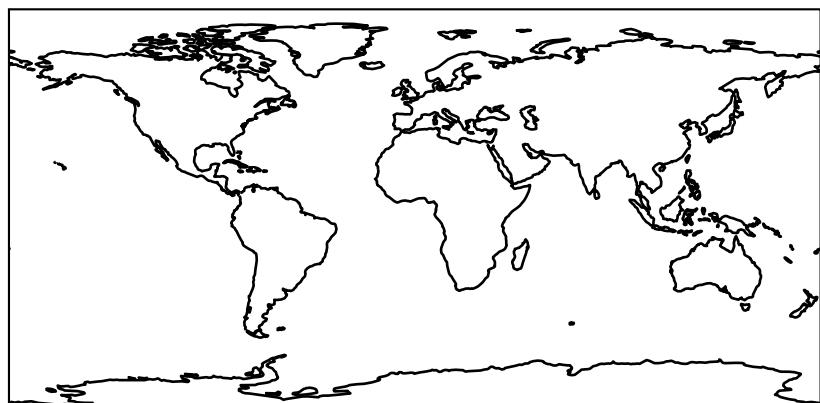
Zero throughout domain  
s-1

Ratio  
Dev/Ref, Dynamic Range



Undefined throughout domain  
unitless

Ratio  
Dev/Ref, Fixed Range



Undefined throughout domain  
unitless