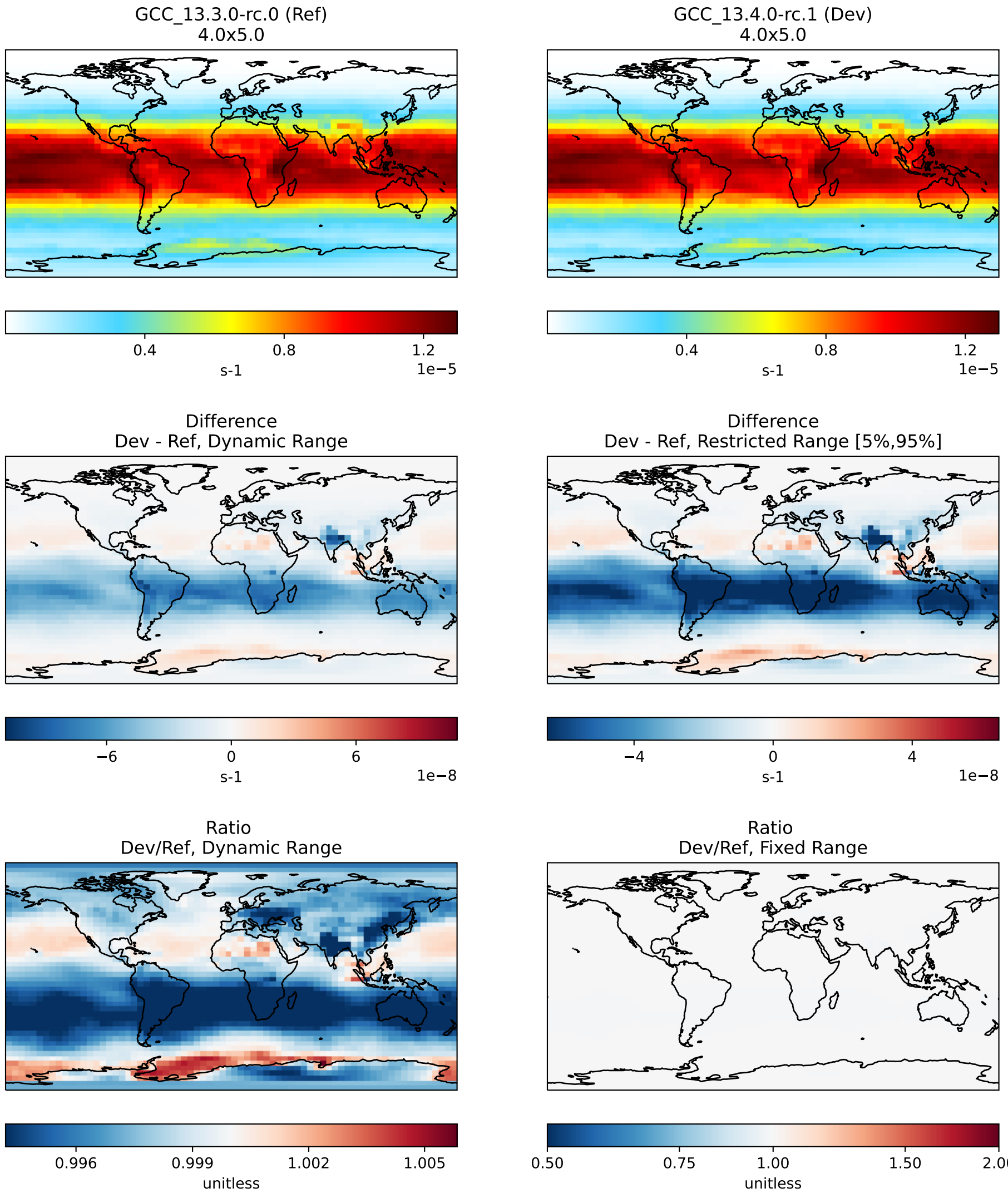
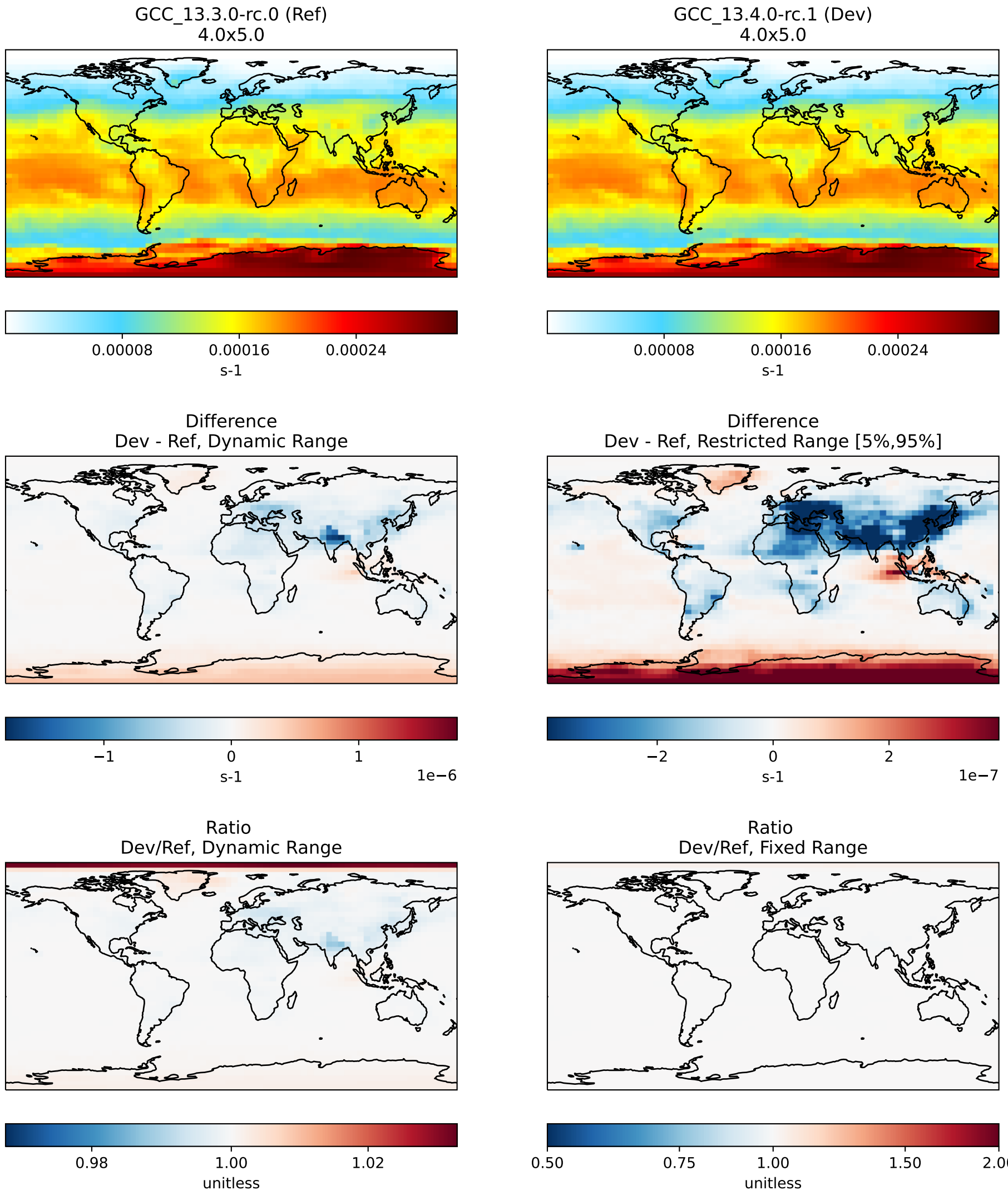
JvalO3O1D (Oct2019)

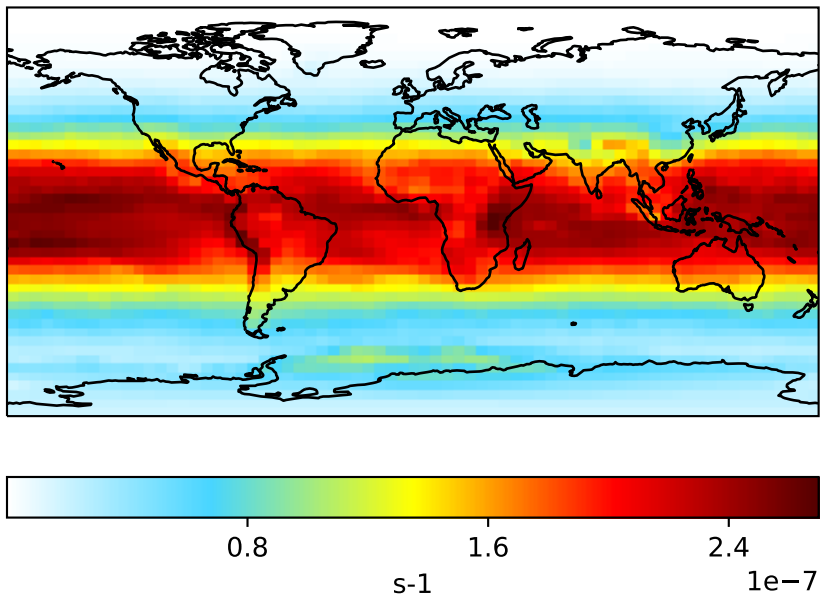


JvalO3O3P (Oct2019)

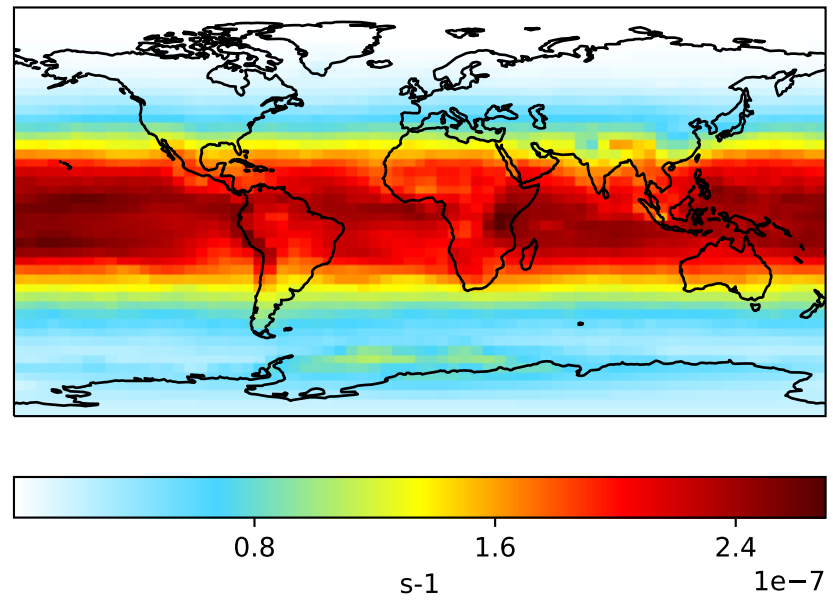


Jval_ACET (Oct2019)

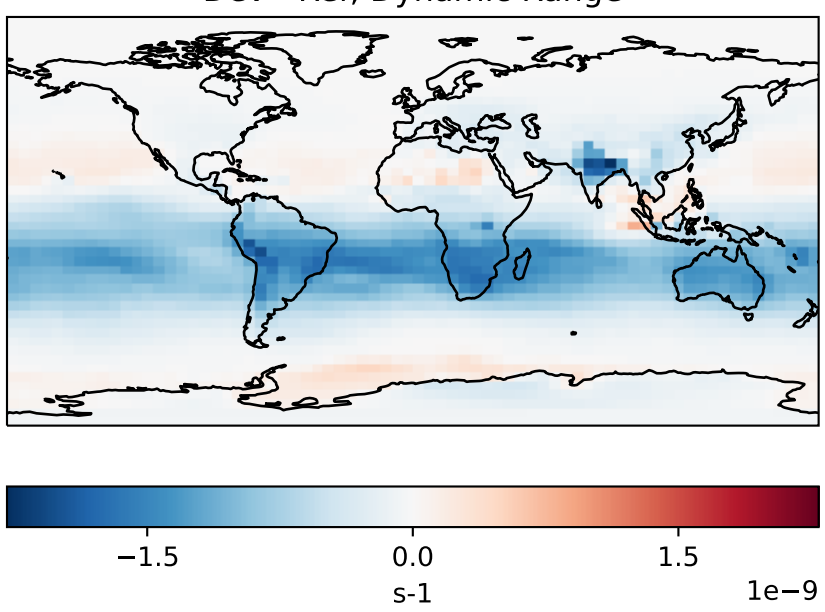
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



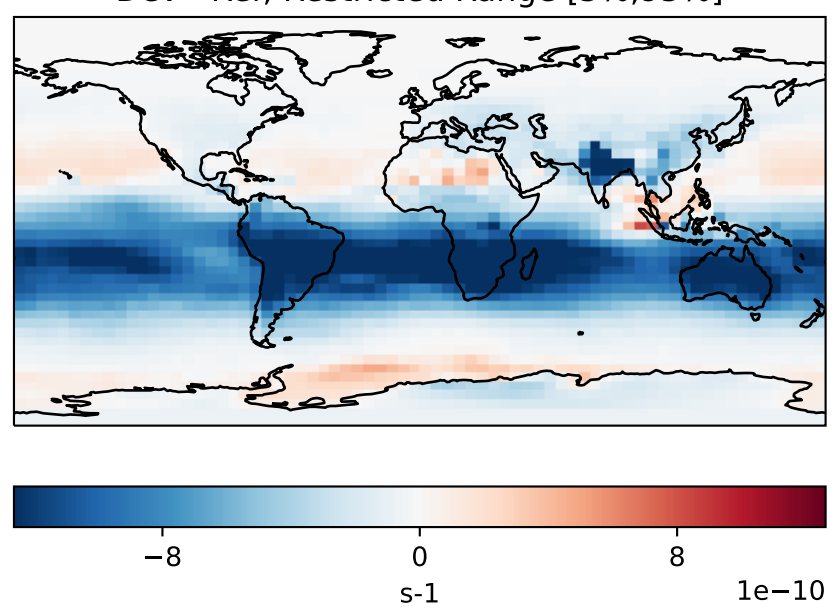
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



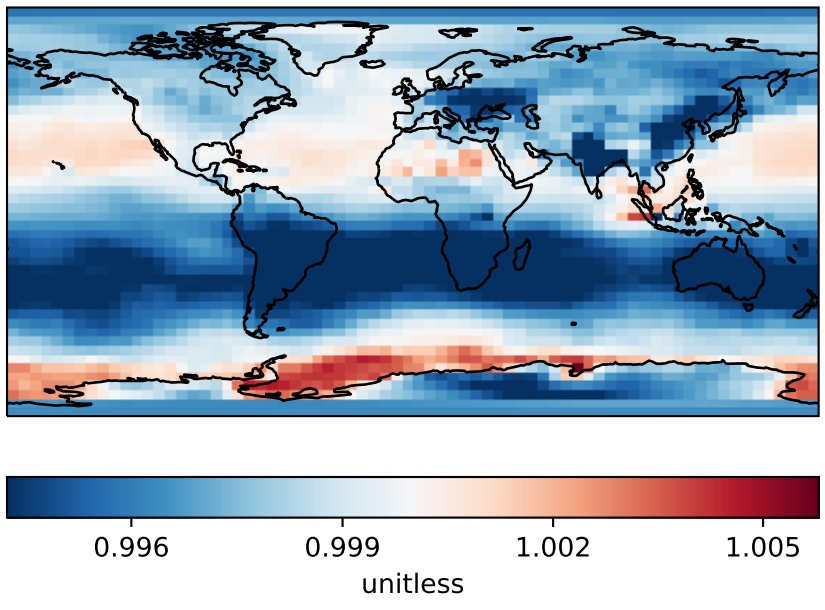
Difference
Dev - Ref, Dynamic Range



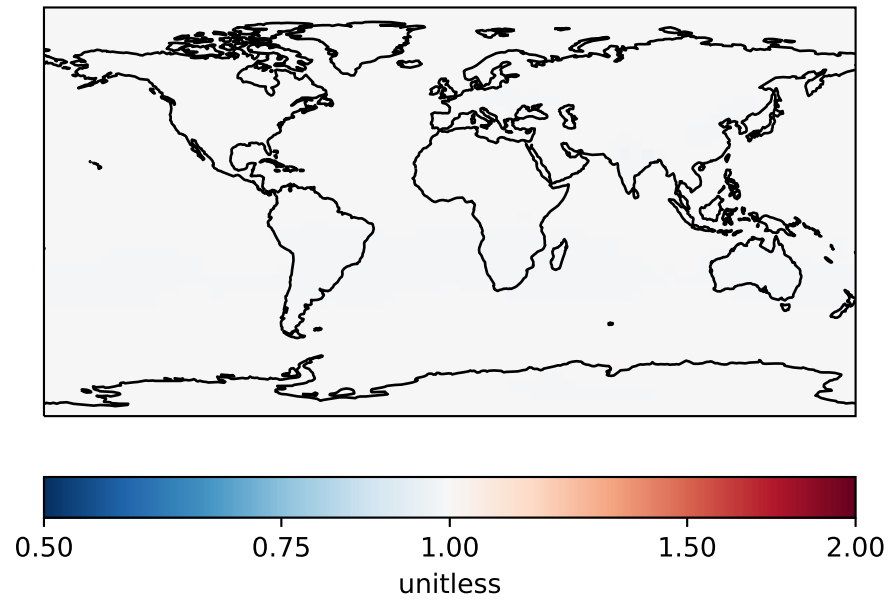
Difference
Dev - Ref, Restricted Range [5%,95%]



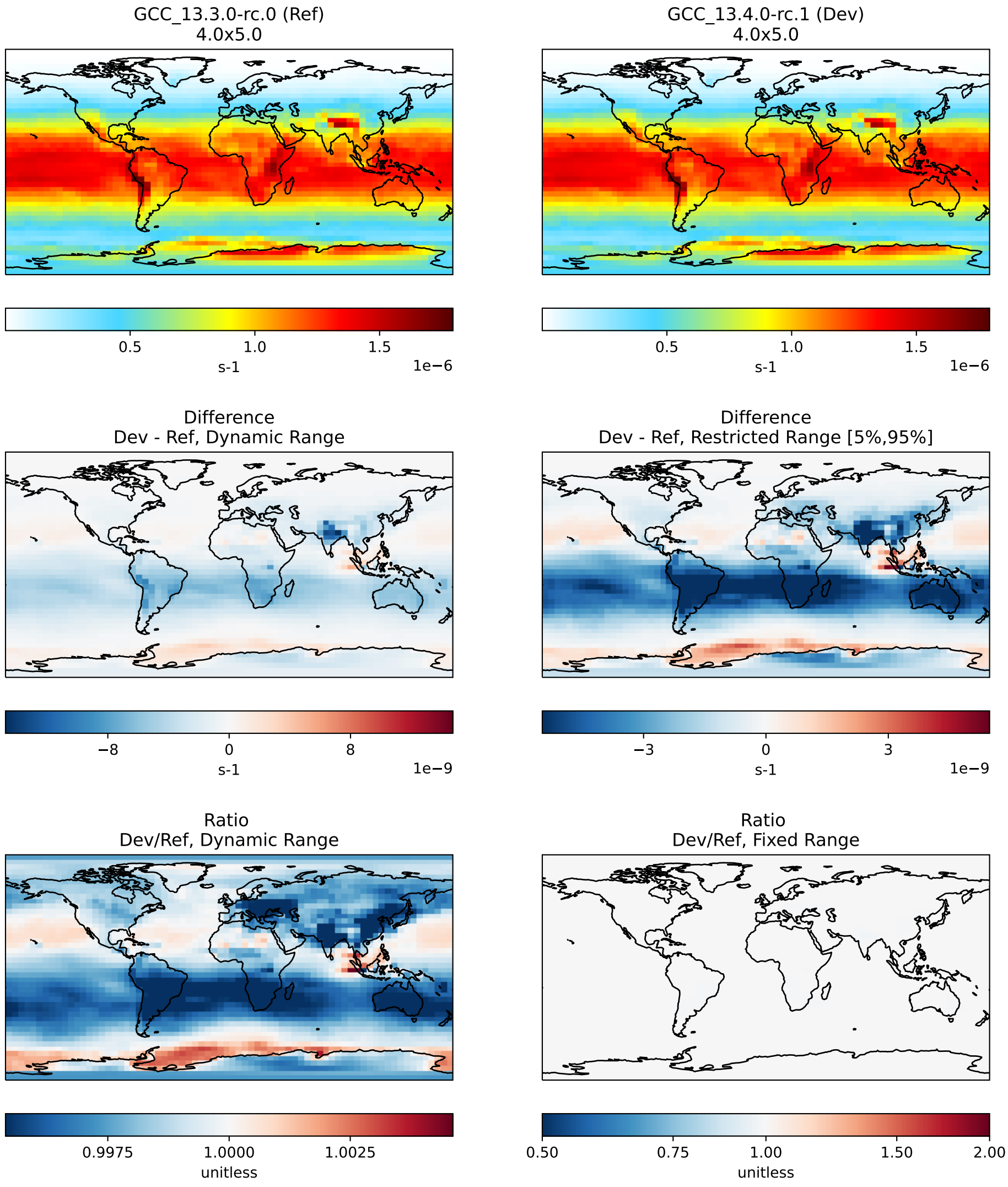
Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

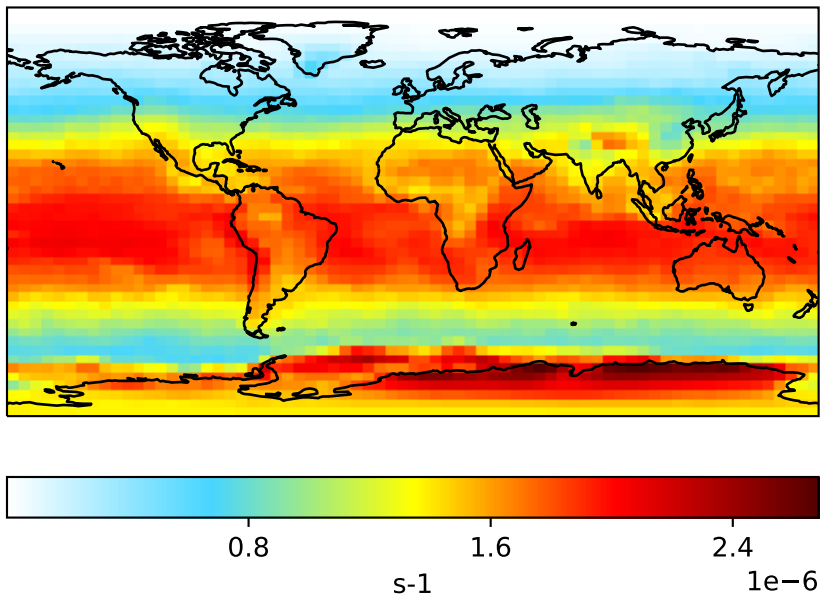


Jval_ALD2 (Oct2019)

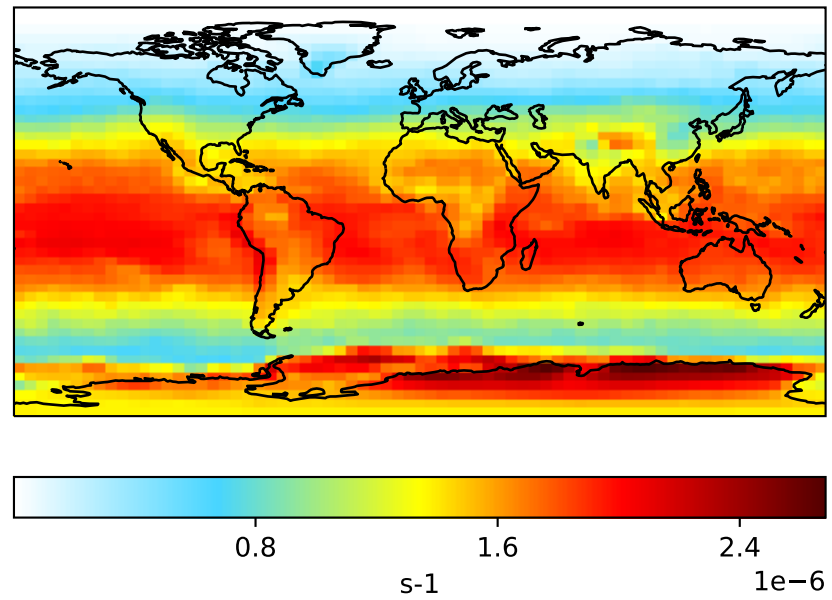


Jval_ATOOH (Oct2019)

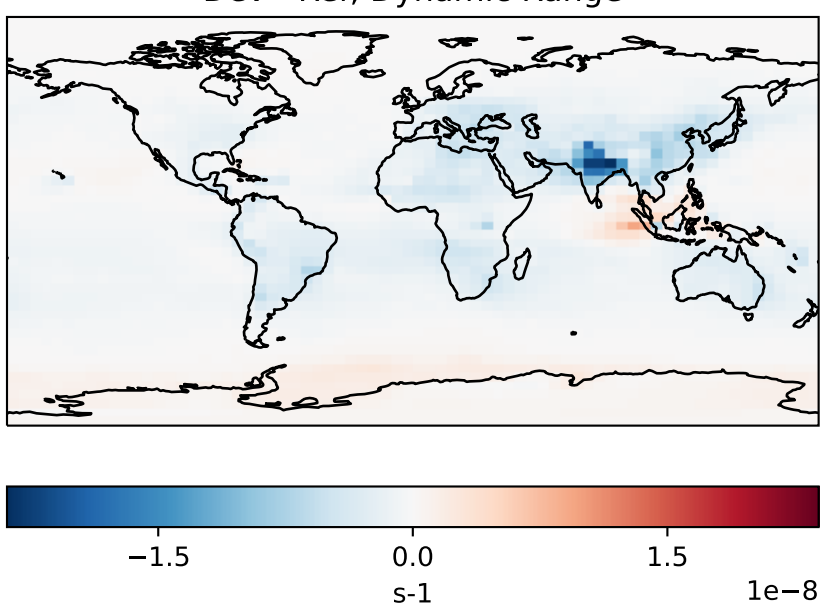
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



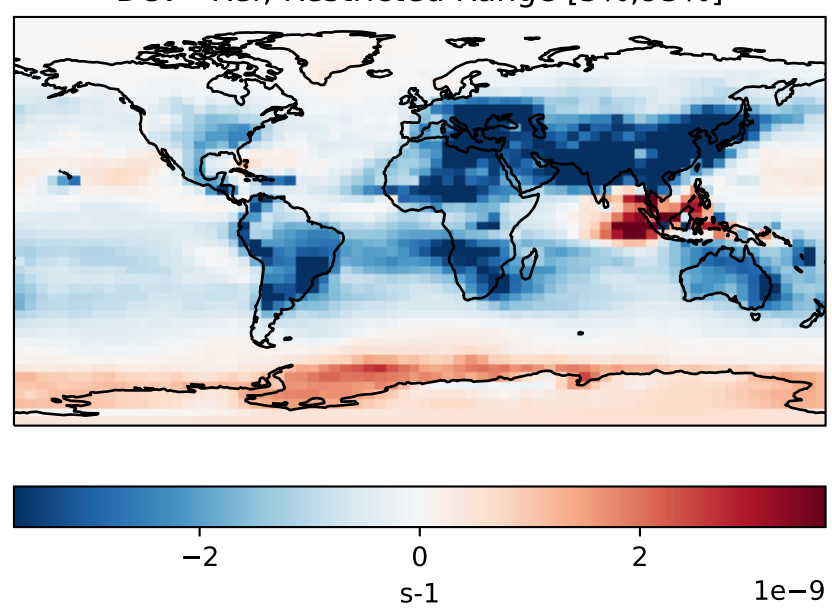
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



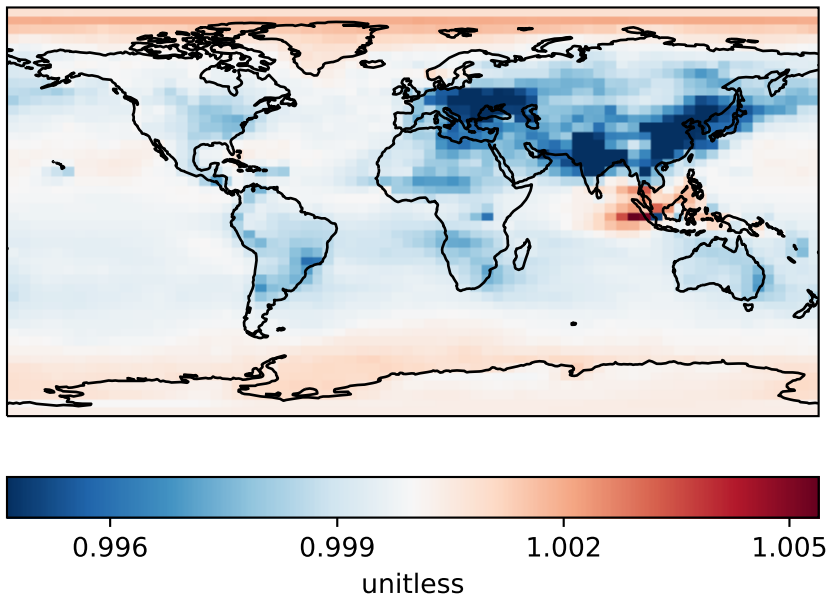
Difference
Dev - Ref, Dynamic Range



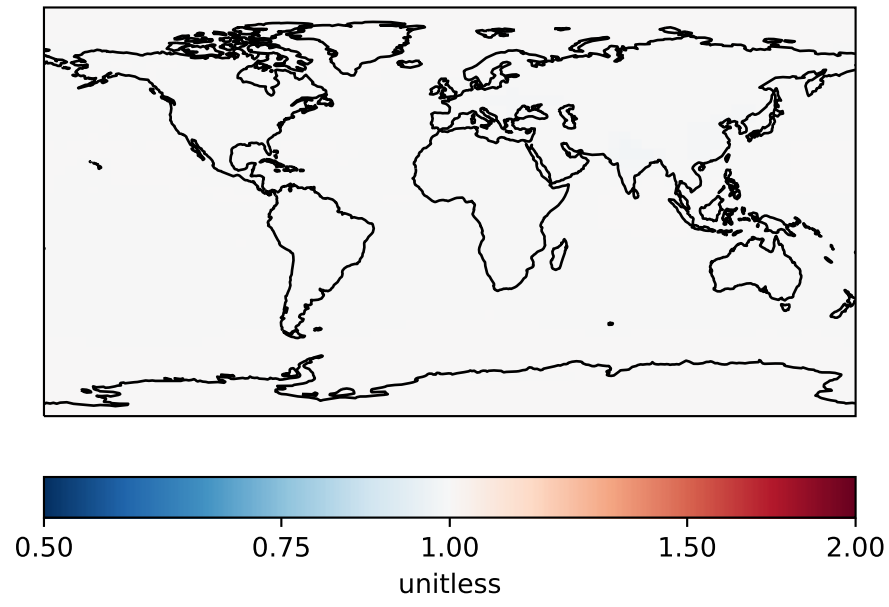
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

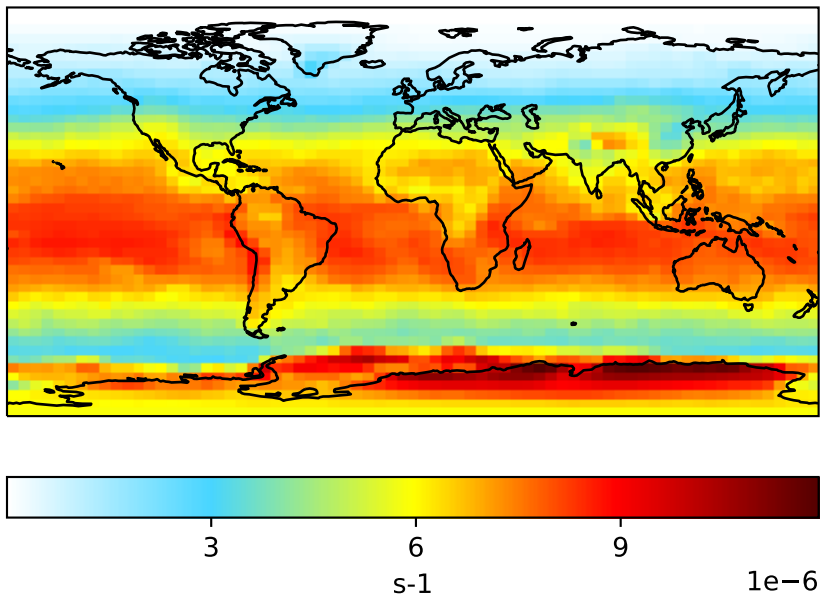


Ratio
Dev/Ref, Fixed Range

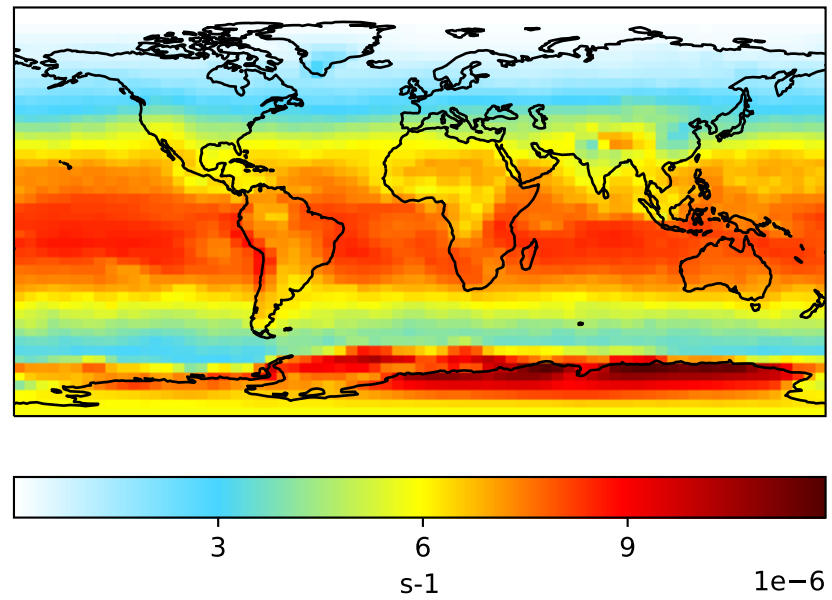


Jval_BALD (Oct2019)

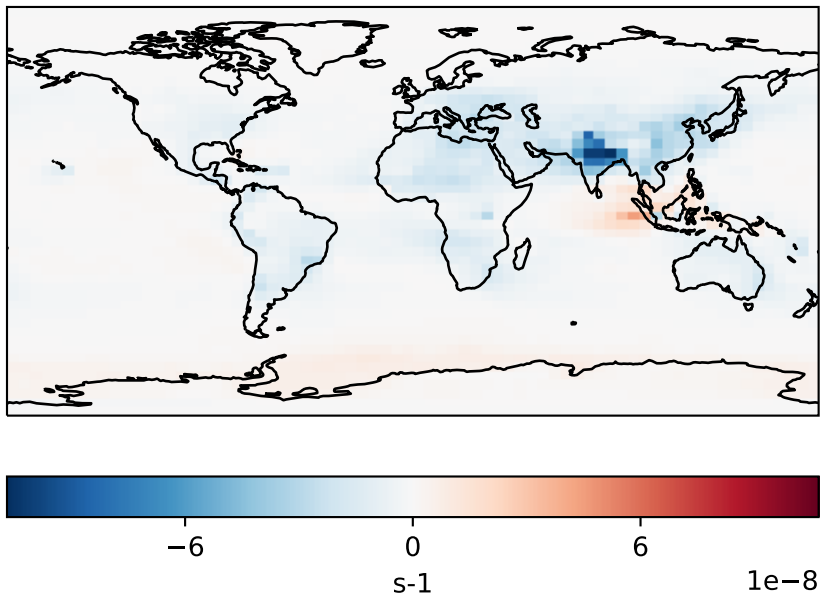
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



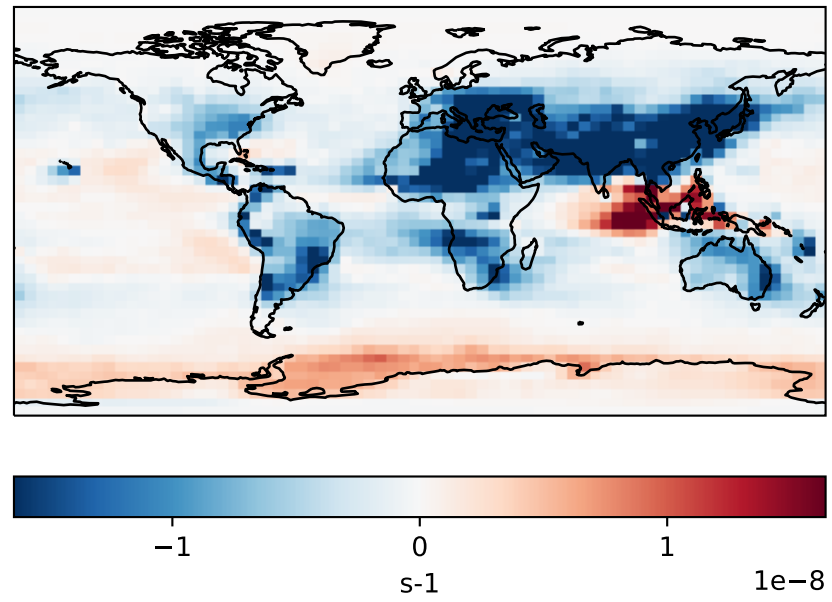
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



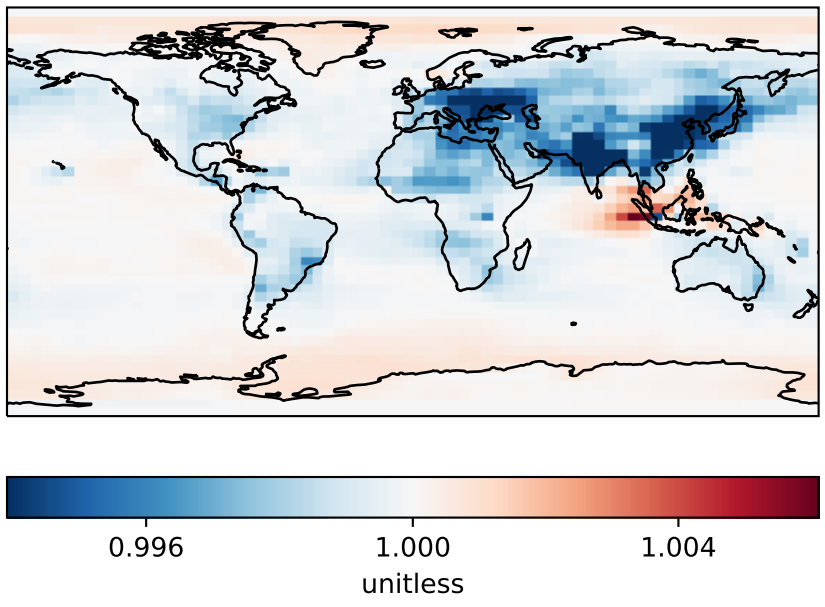
Difference
Dev - Ref, Dynamic Range



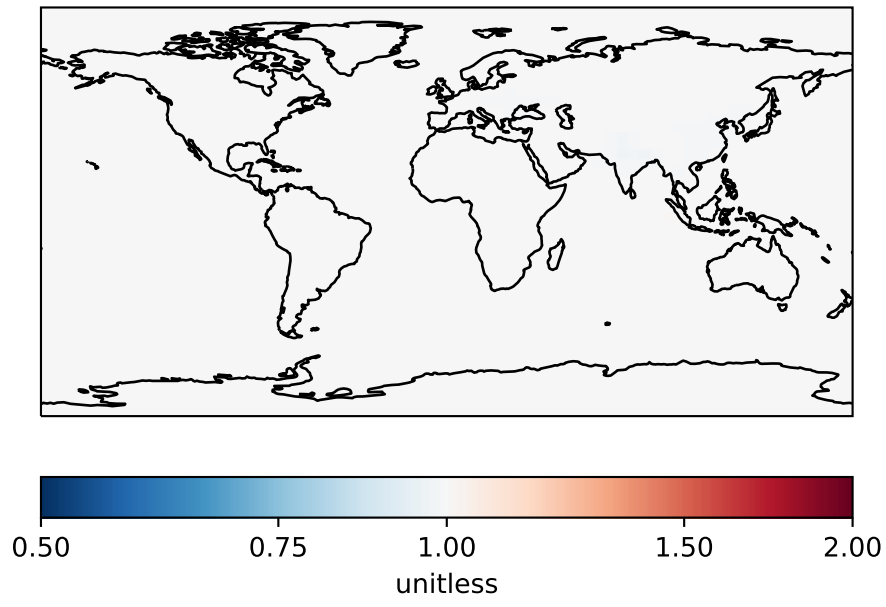
Difference
Dev - Ref, Restricted Range [5%,95%]



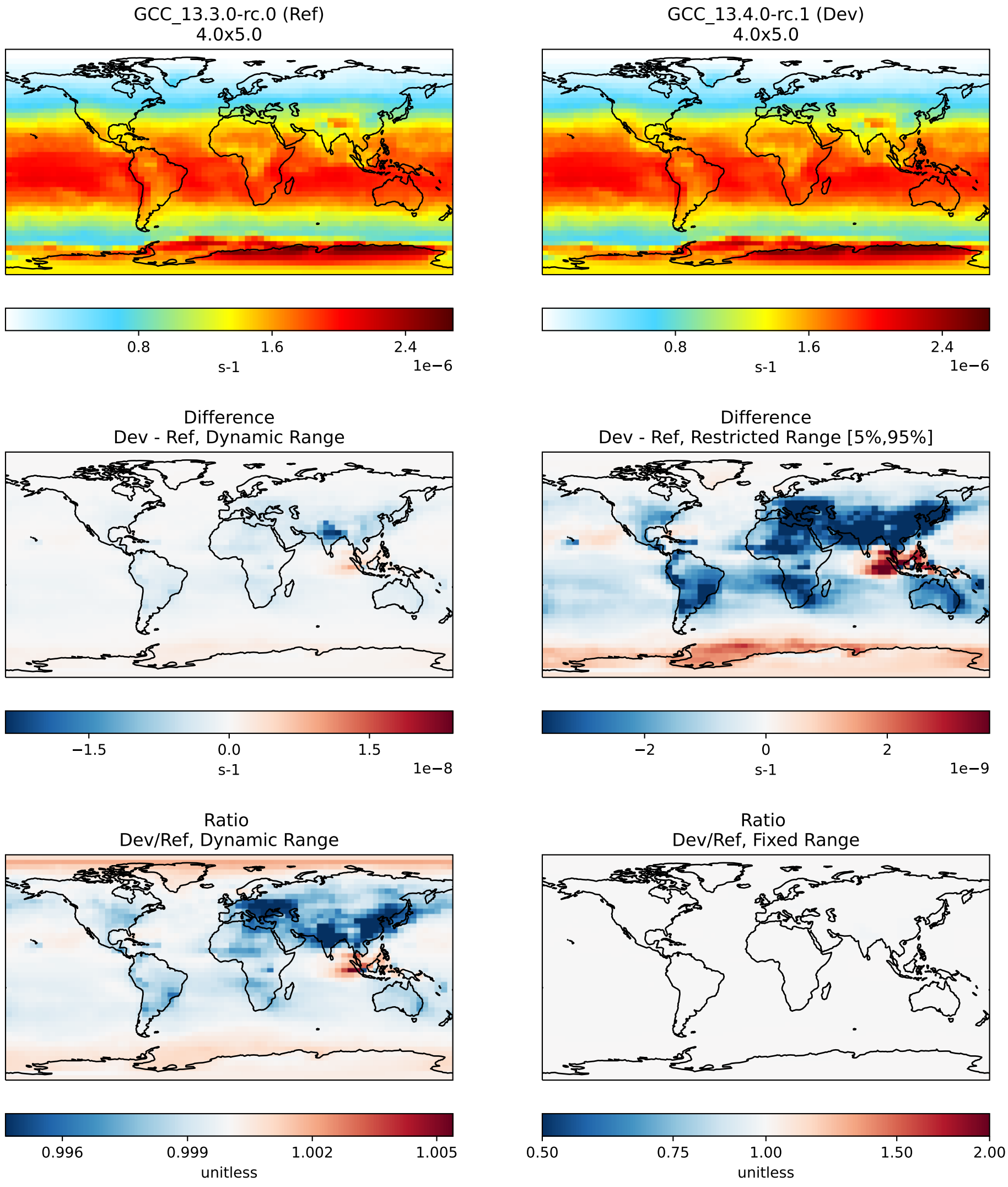
Ratio
Dev/Ref, Dynamic Range



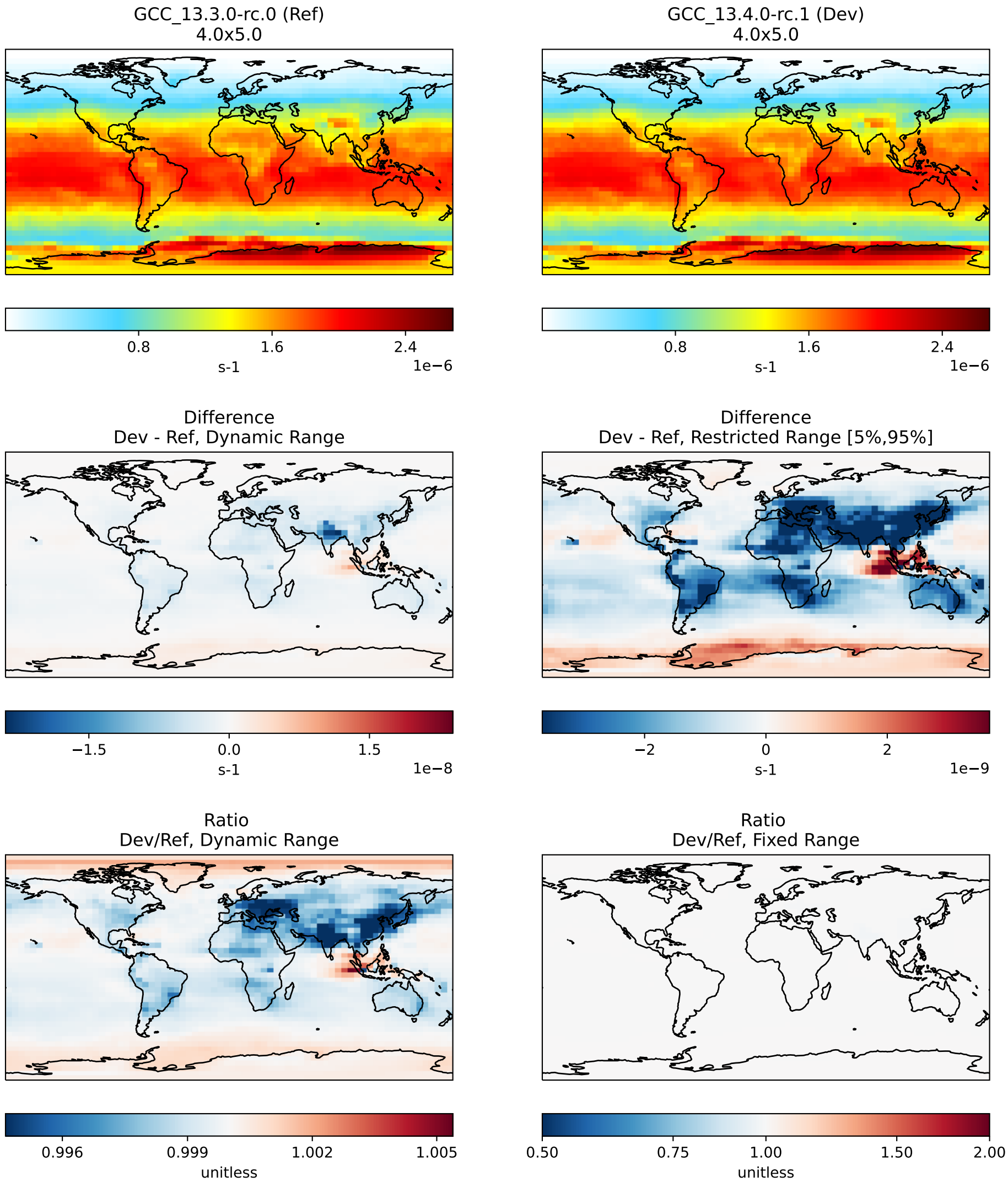
Ratio
Dev/Ref, Fixed Range



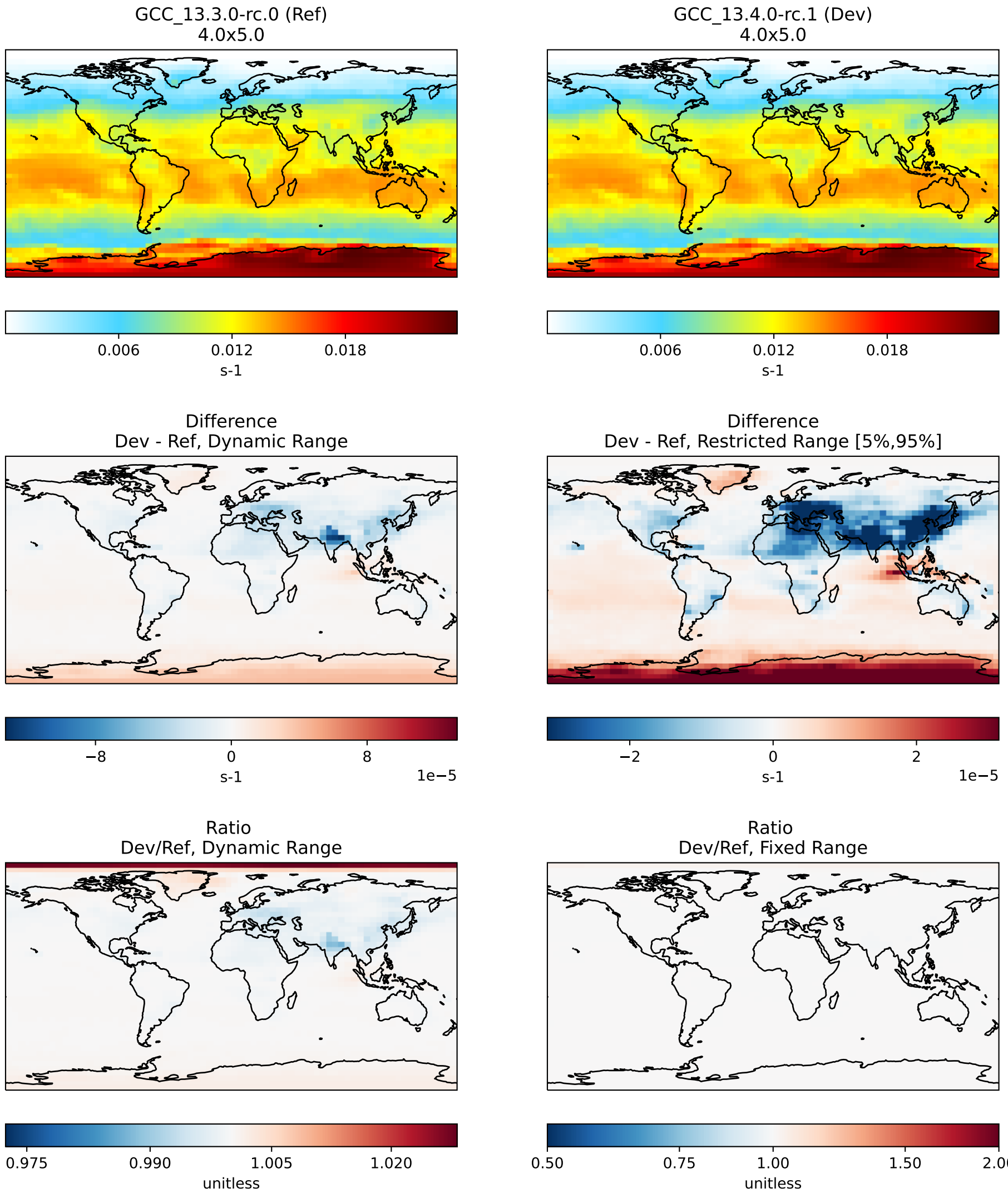
Jval_BENZP (Oct2019)



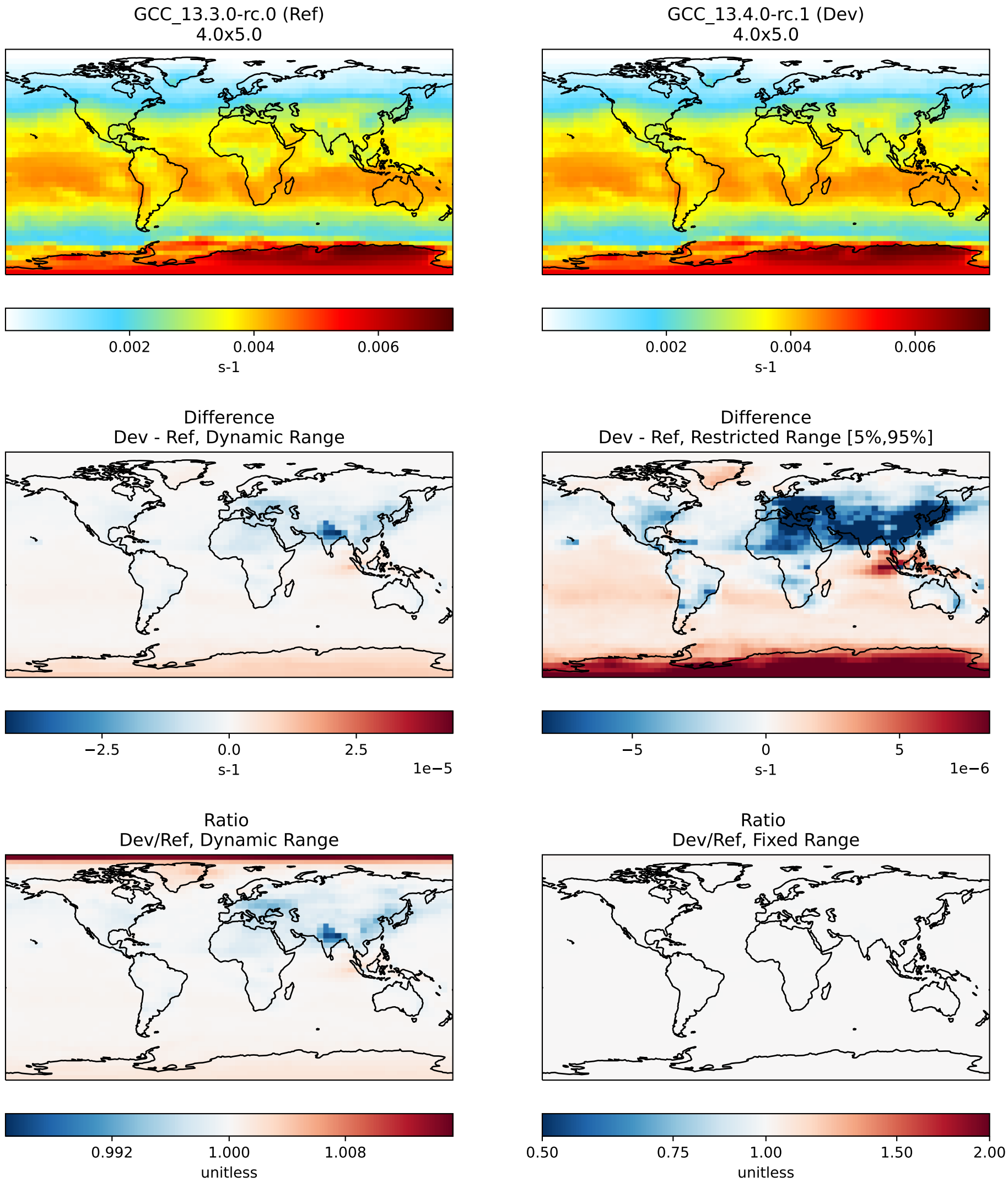
Jval_BZCO3H (Oct2019)



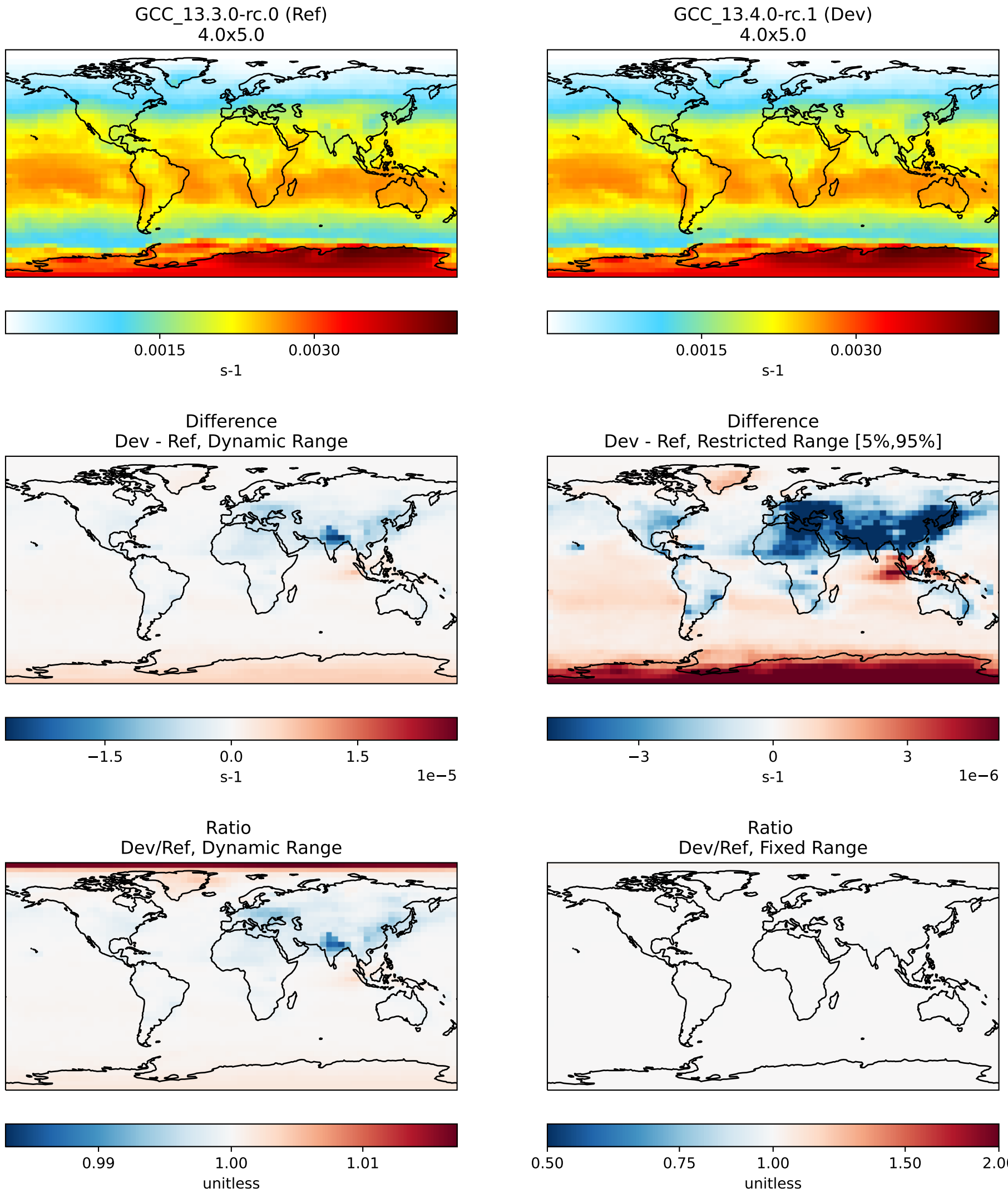
Jval_Br2 (Oct2019)



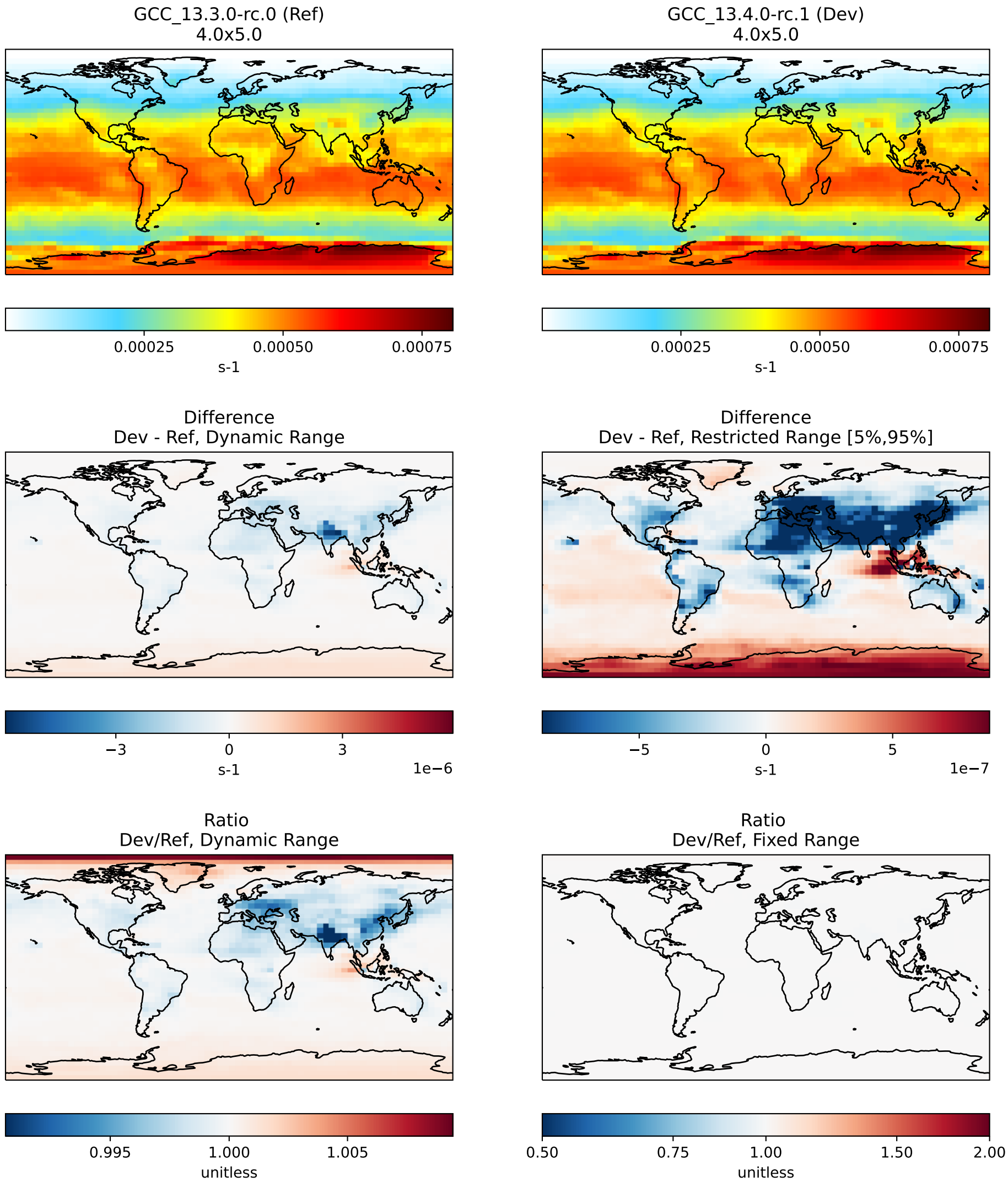
Jval_BrCl (Oct2019)



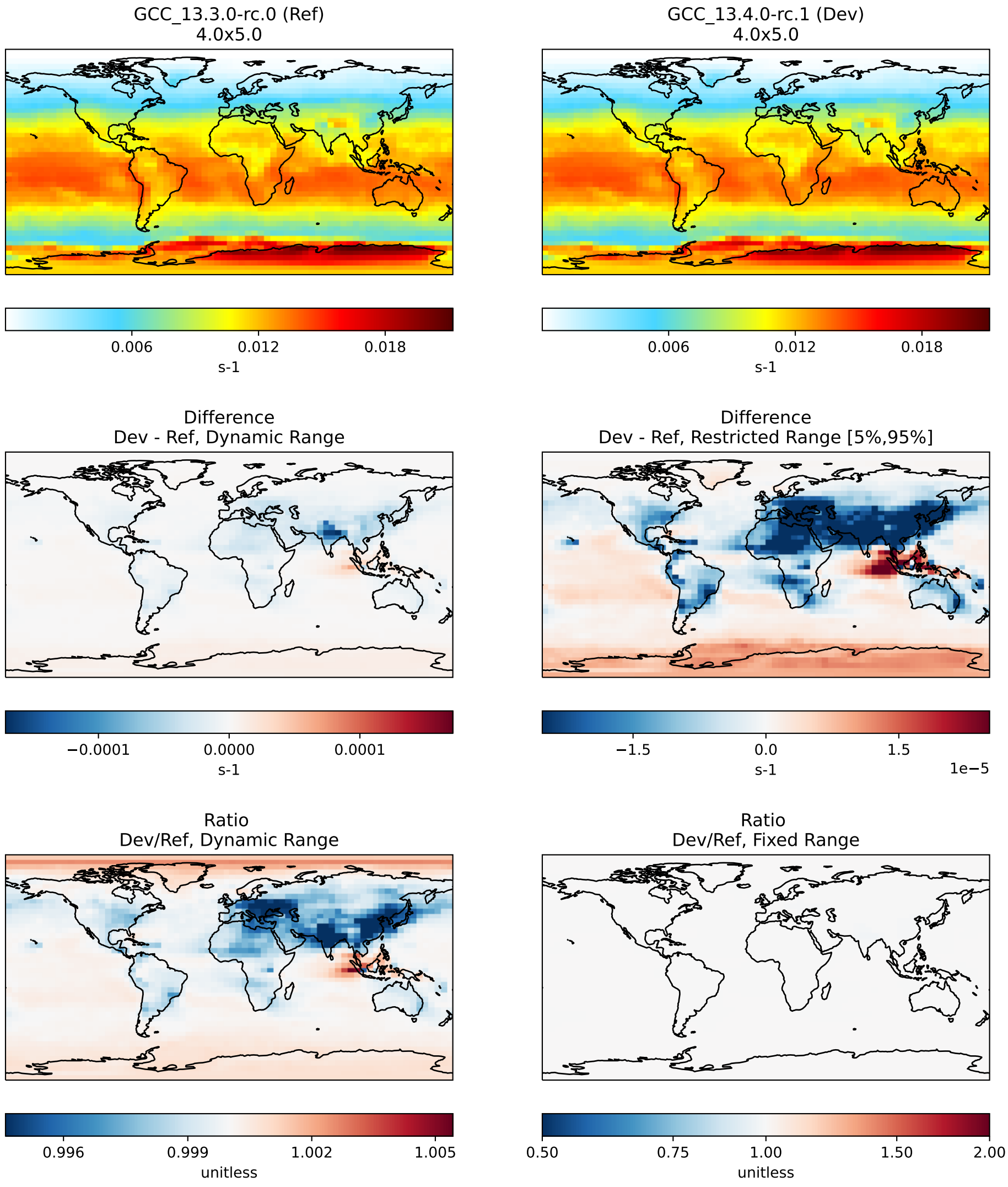
Jval_BrNO2 (Oct2019)



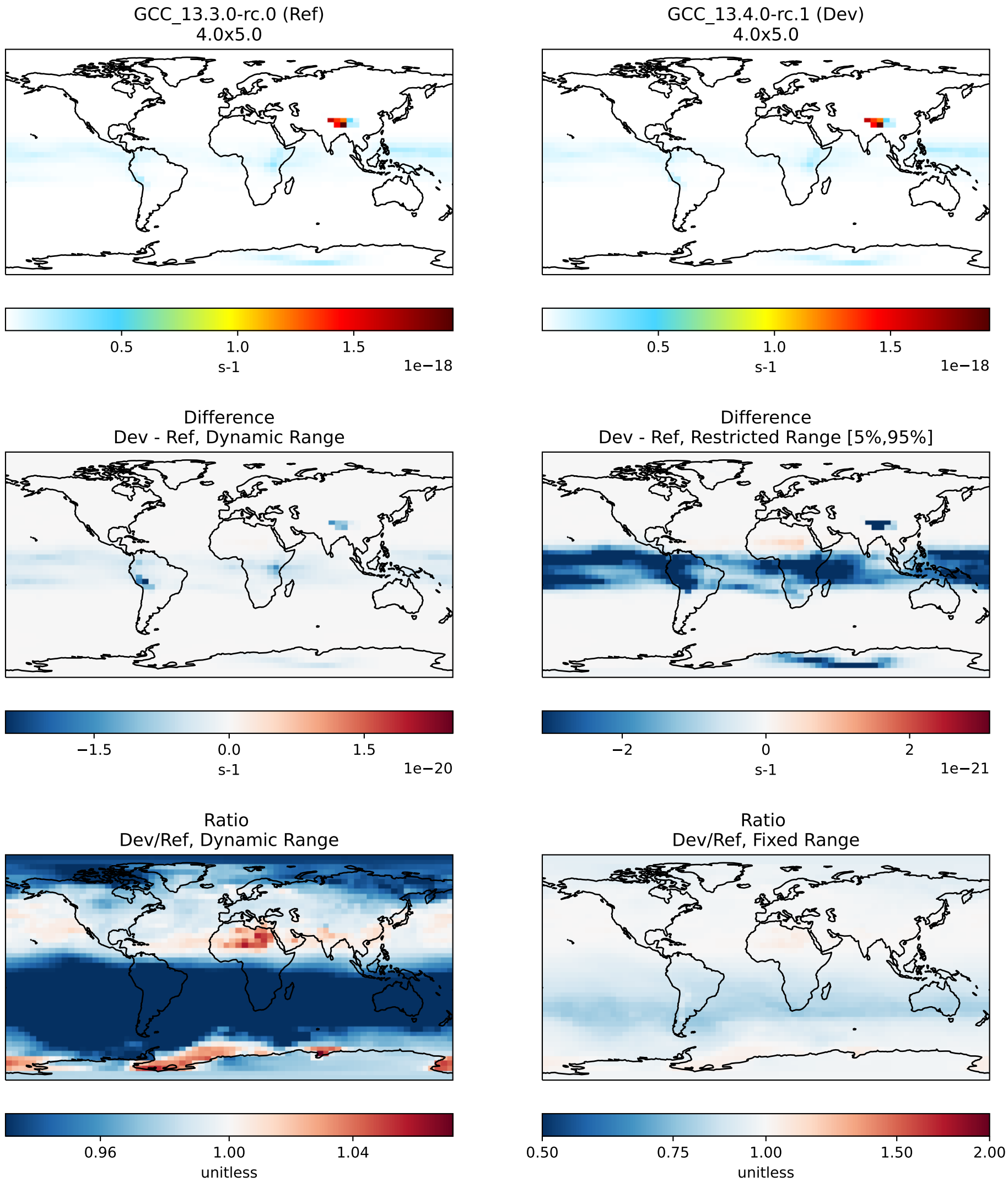
Jval_BrNO3 (Oct2019)



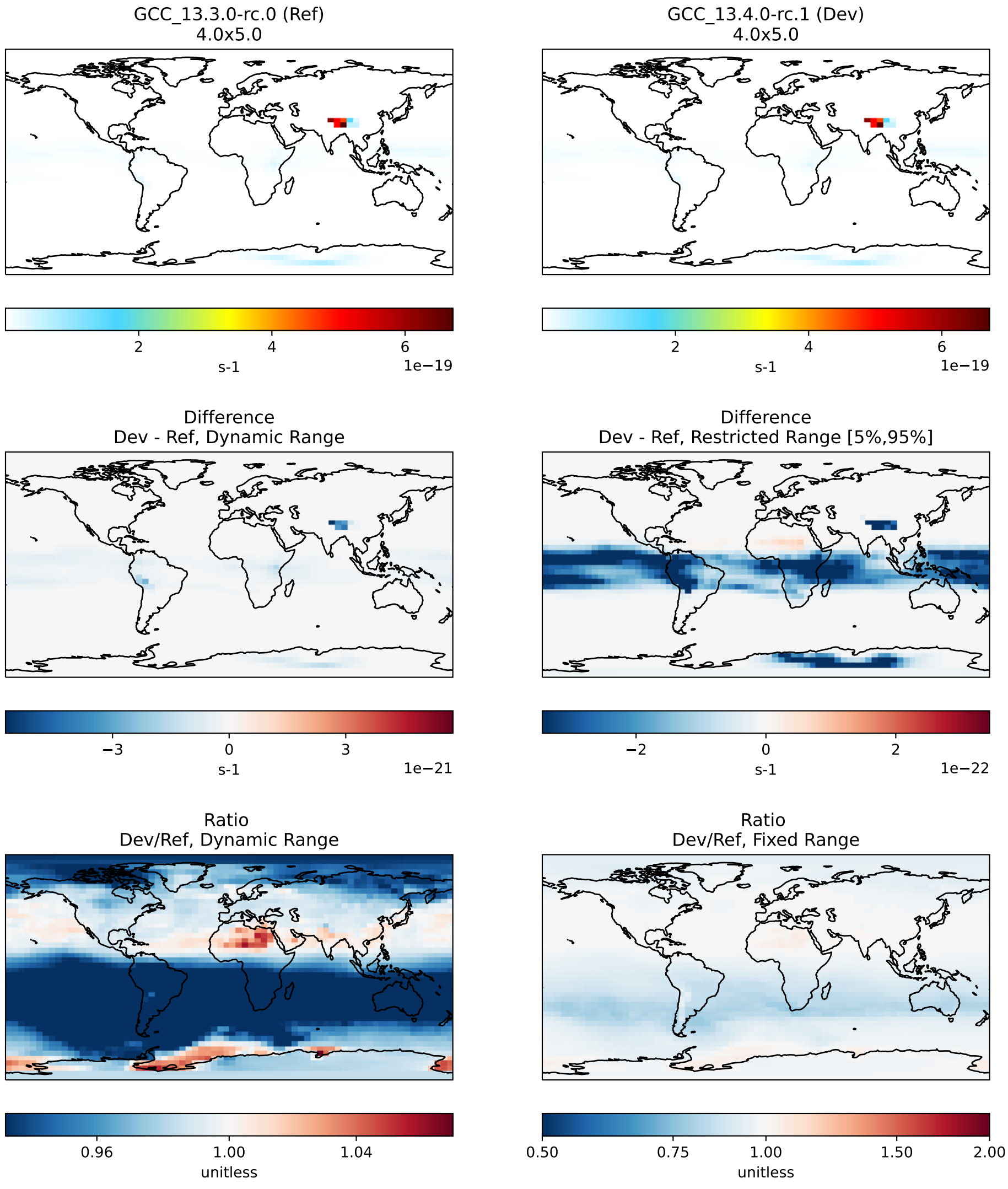
Jval_BrO (Oct2019)



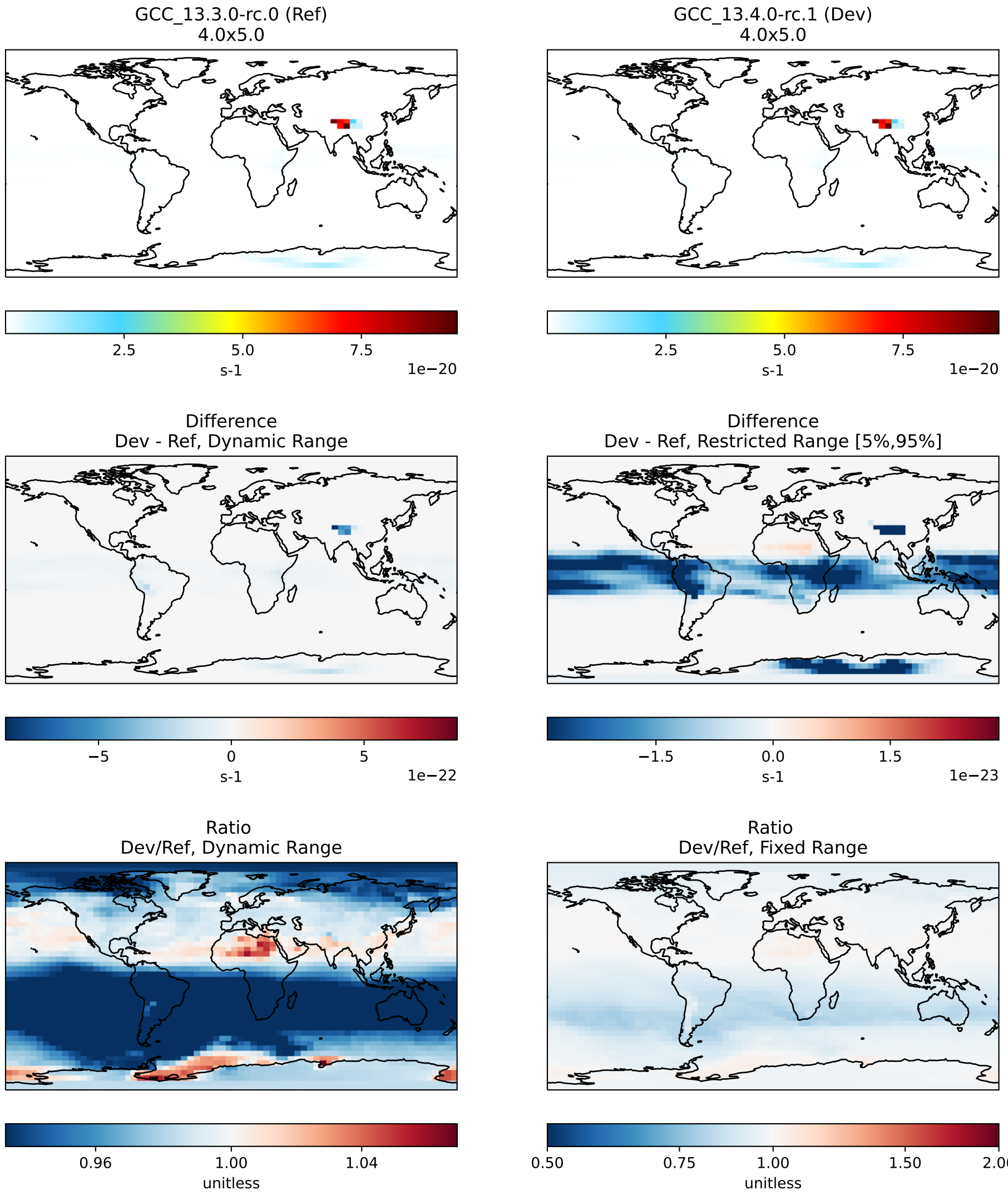
Jval_CCl4 (Oct2019)



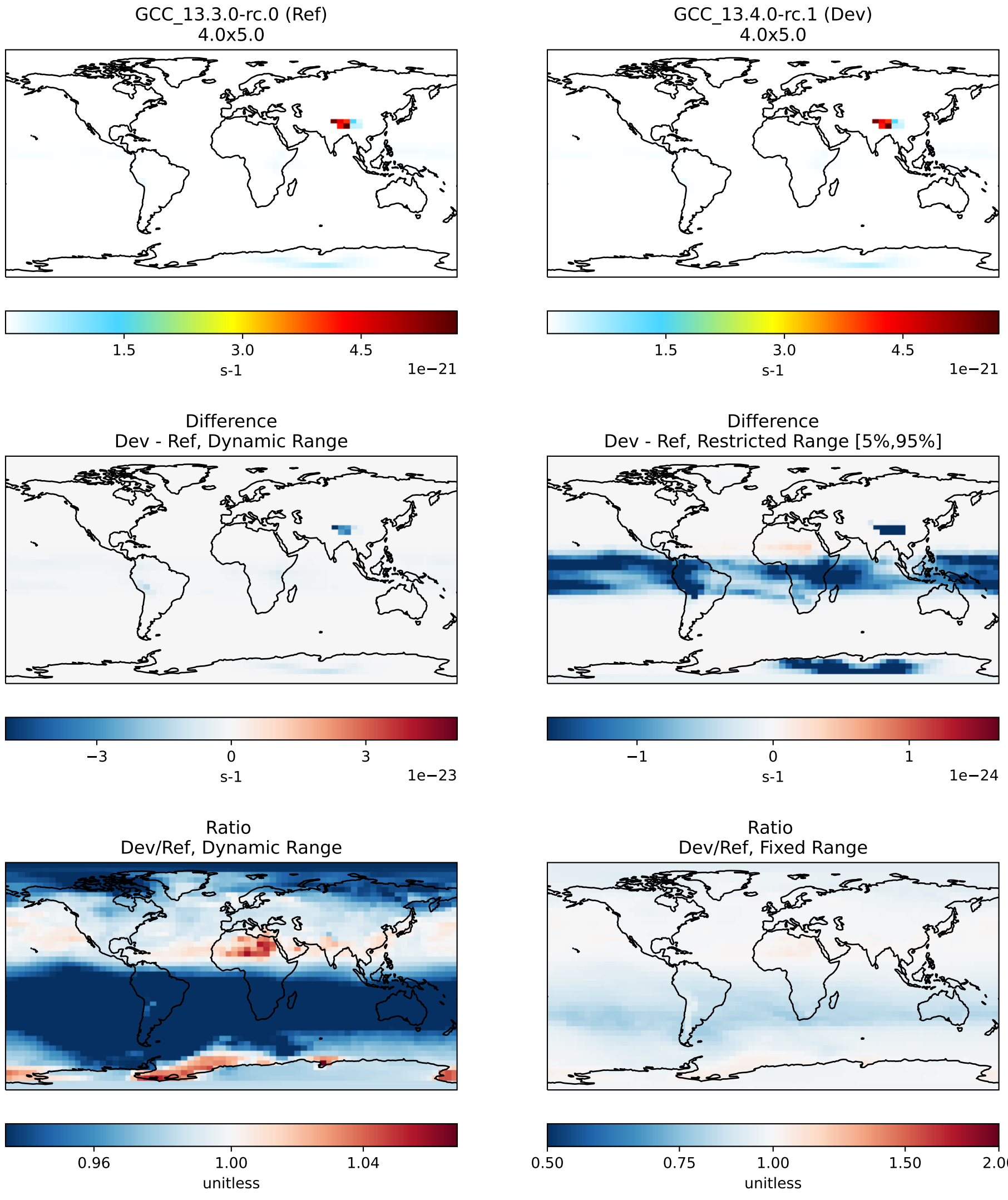
Jval_CFC11 (Oct2019)



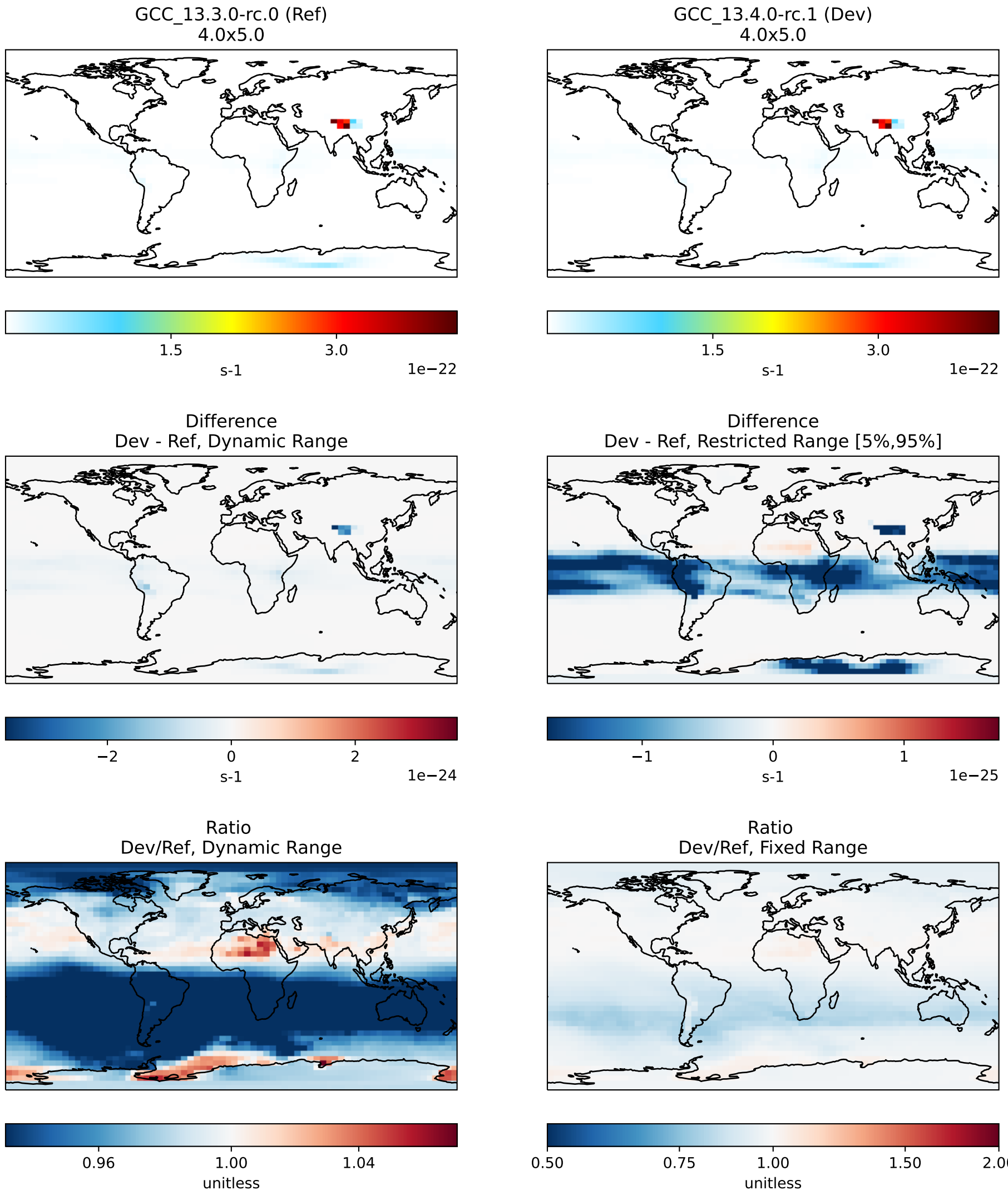
Jval_CFC113 (Oct2019)



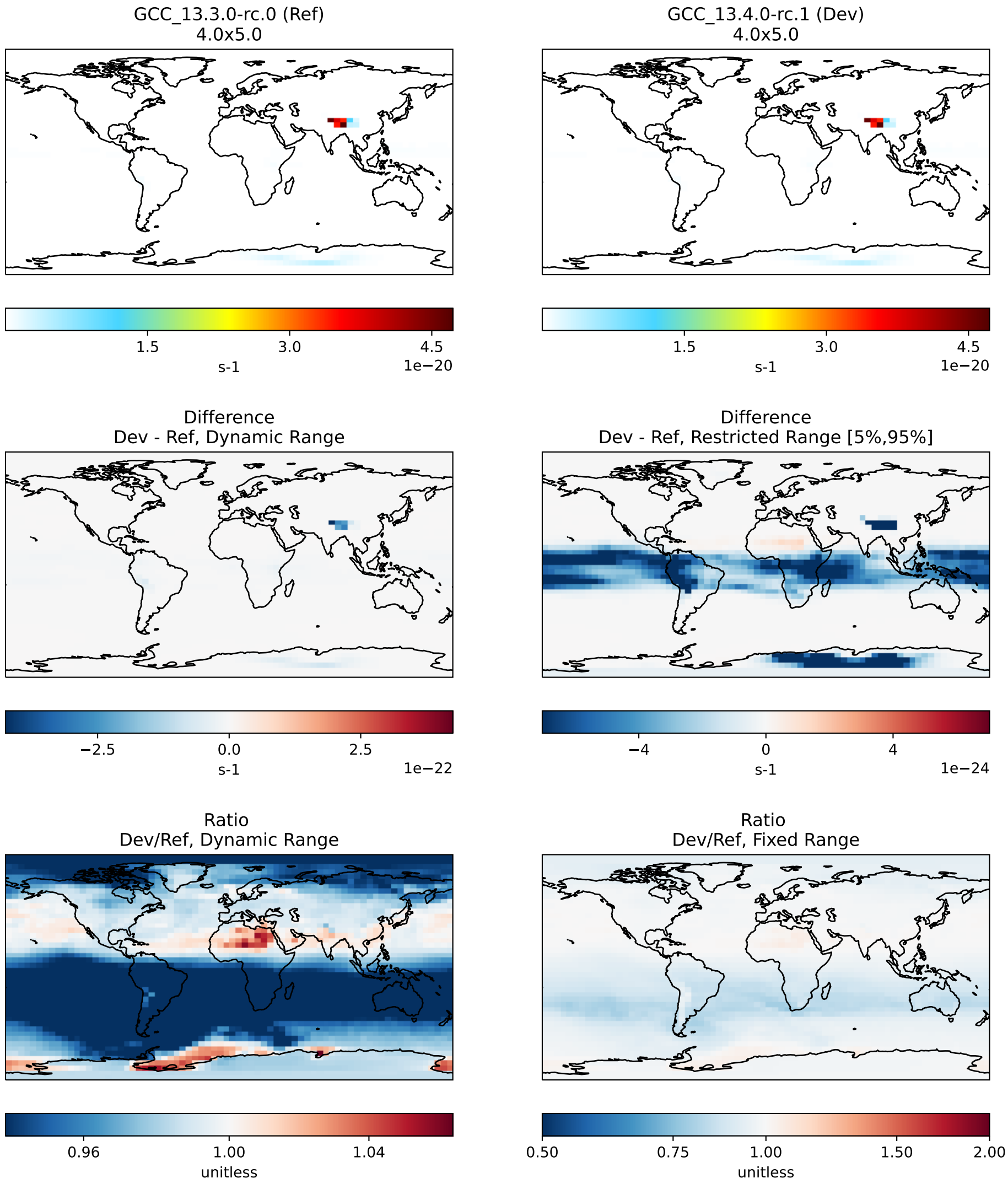
Jval_CFC114 (Oct2019)



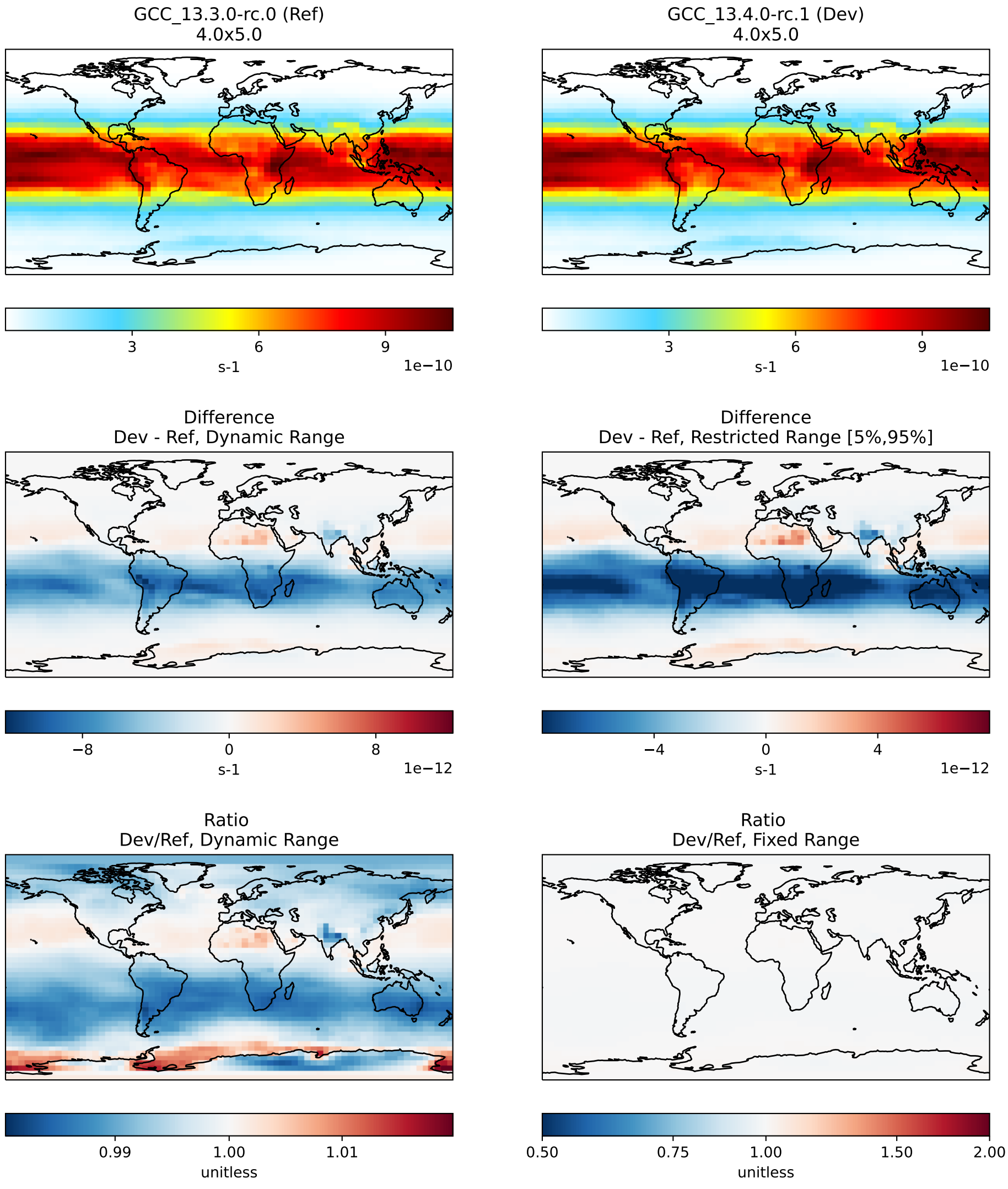
Jval_CFC115 (Oct2019)



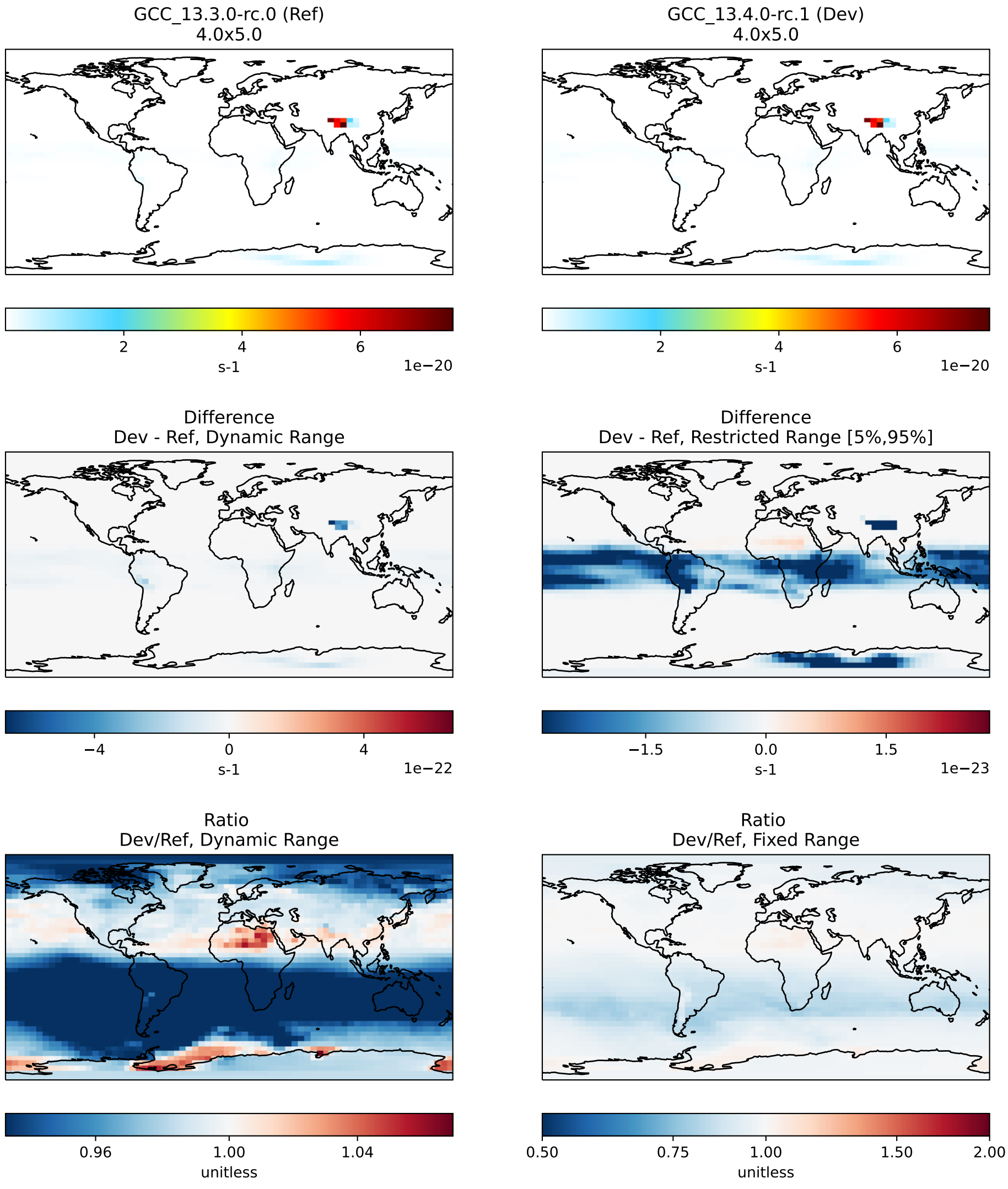
Jval_CFC12 (Oct2019)



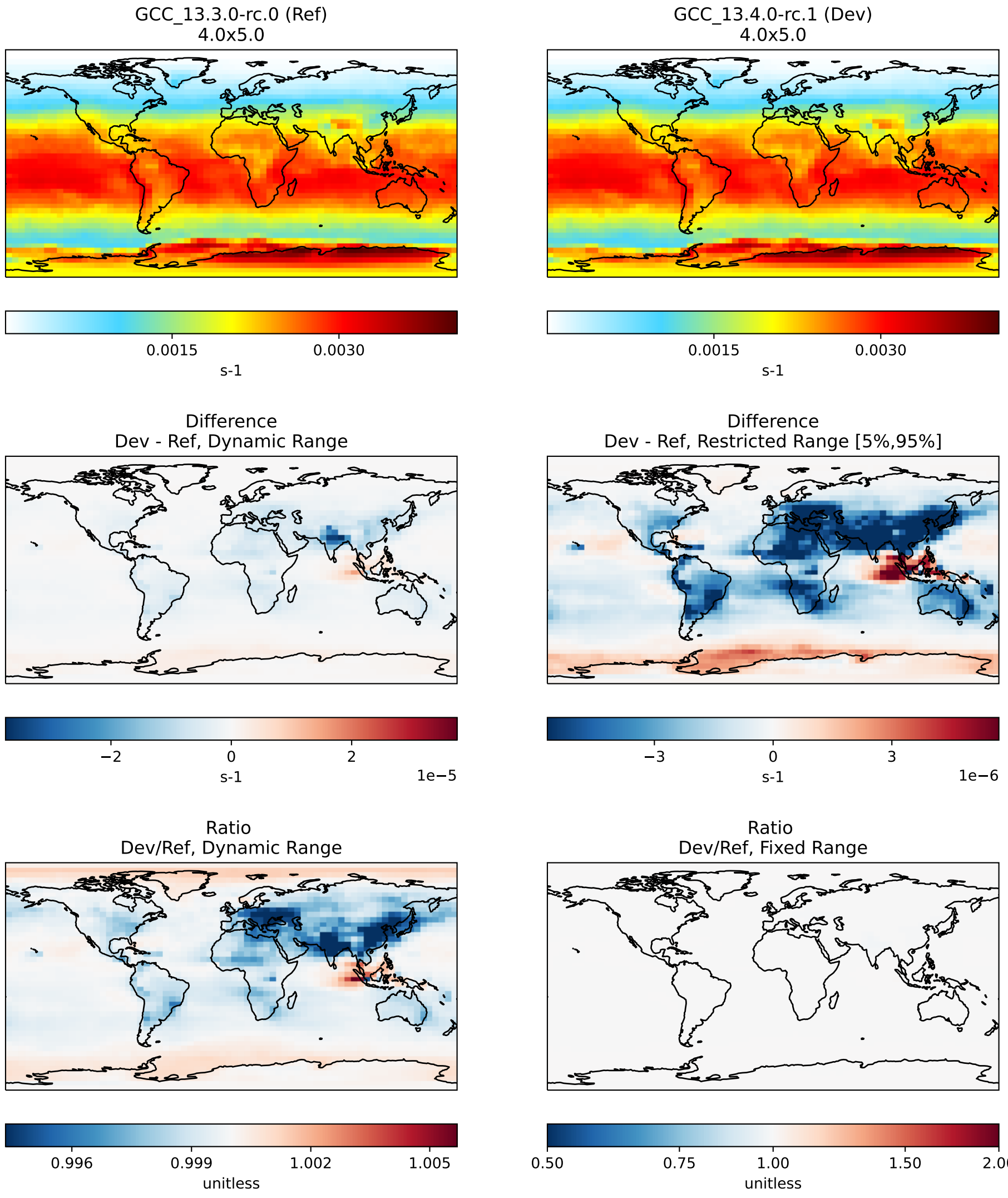
Jval_CH2Br2 (Oct2019)



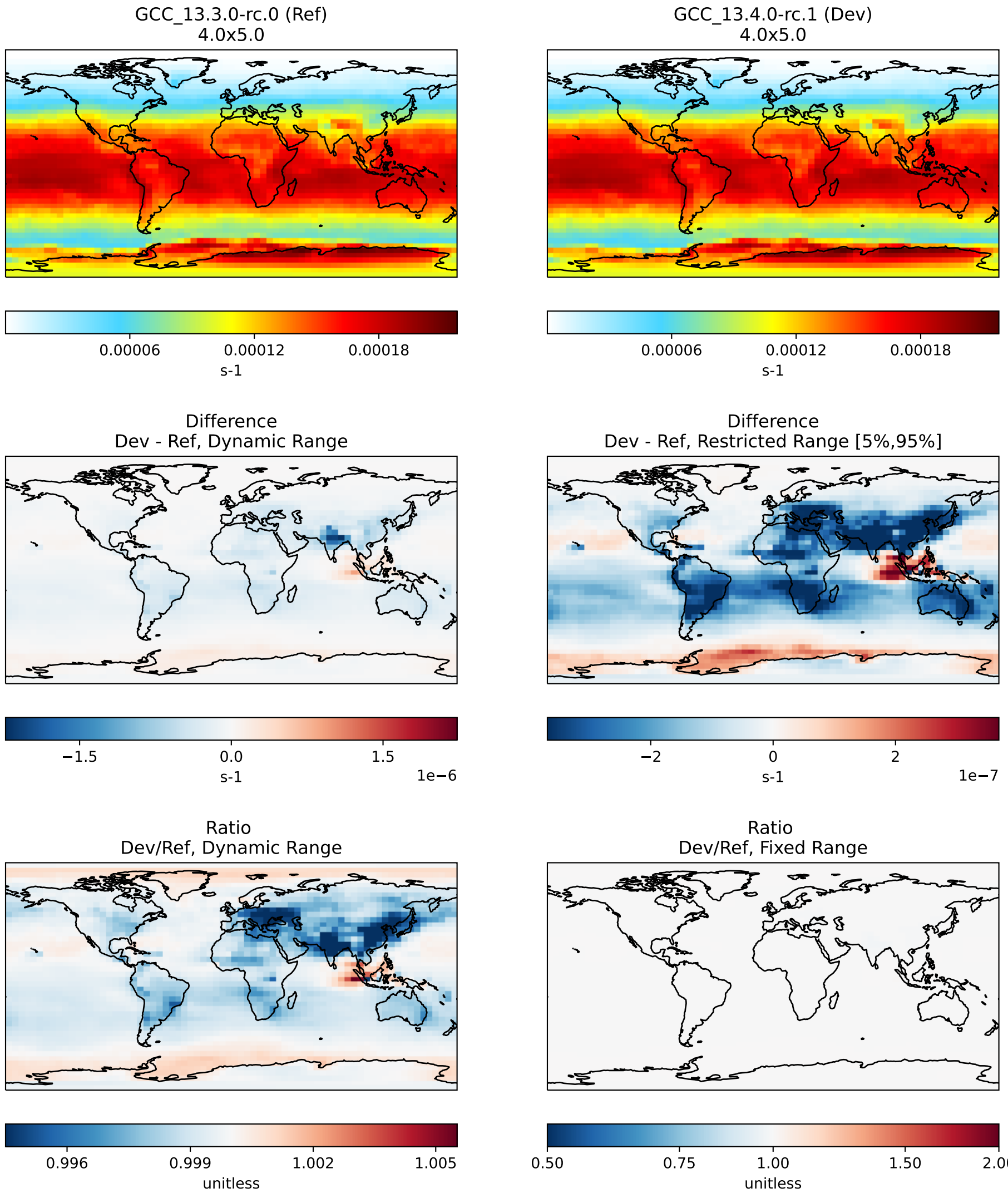
Jval_CH2Cl2 (Oct2019)



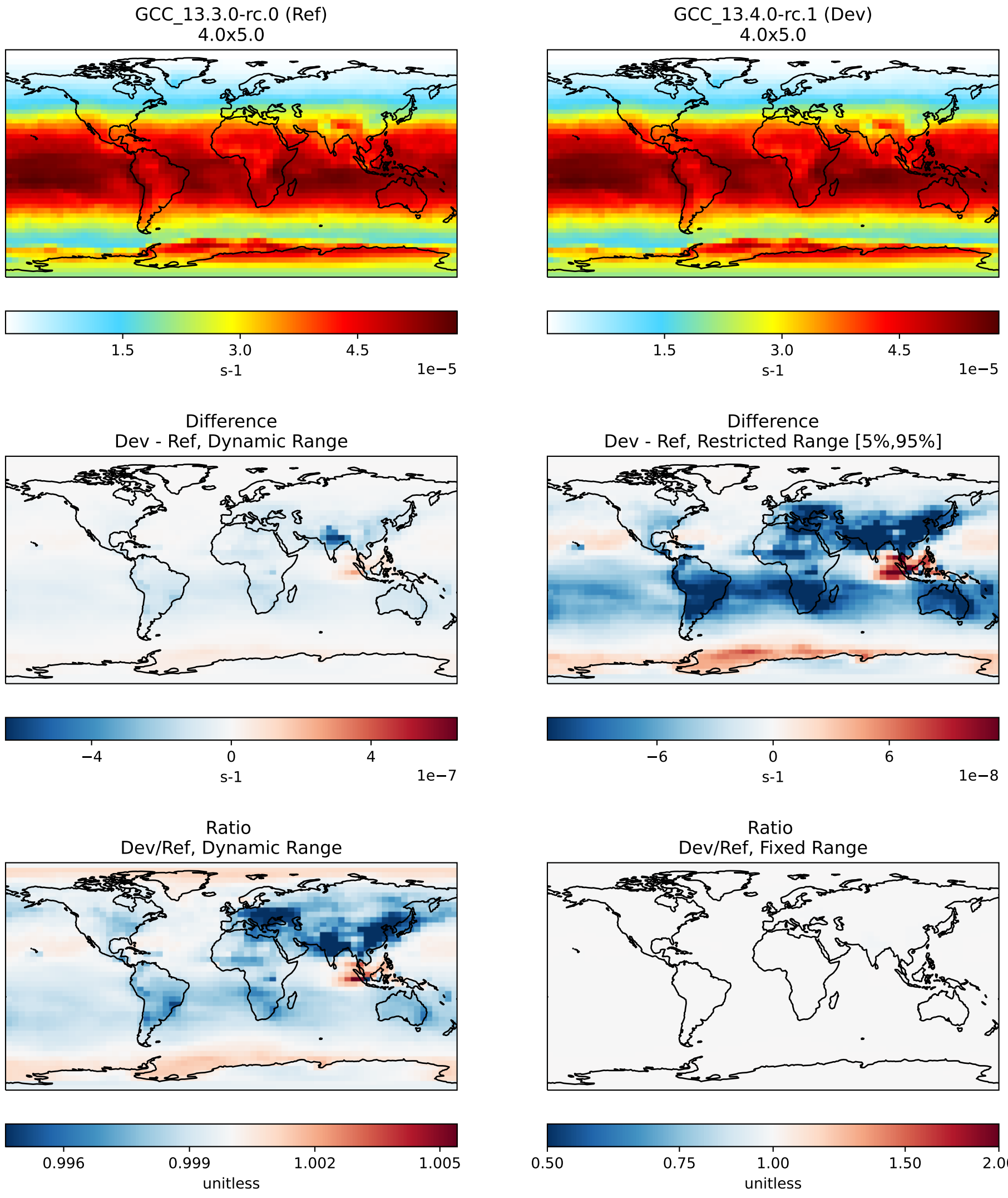
Jval_CH2I2 (Oct2019)



Jval_CH2IBr (Oct2019)

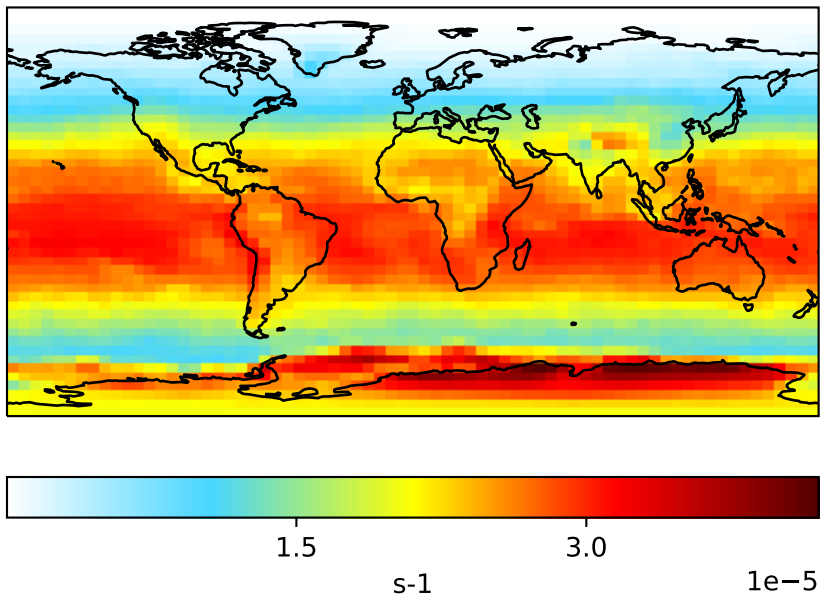


Jval_CH2ICl (Oct2019)

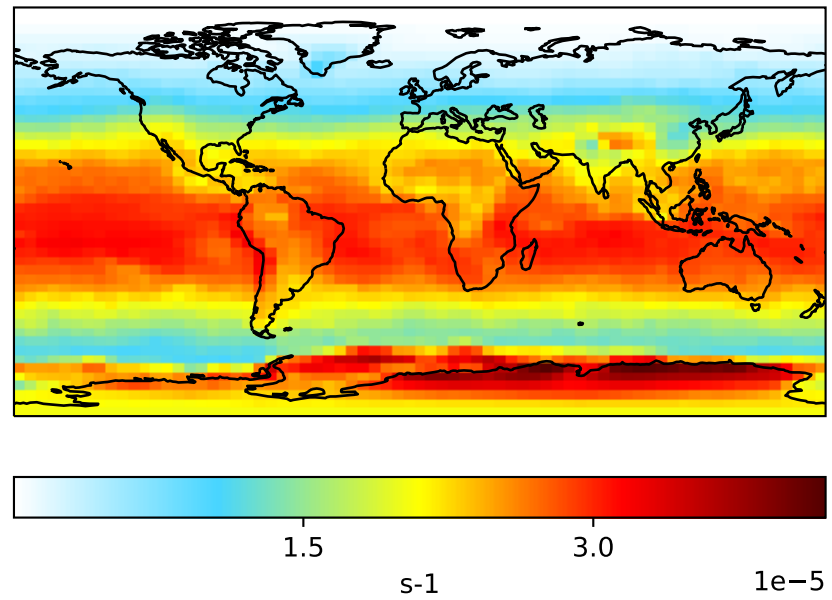


Jval_CH2O (Oct2019)

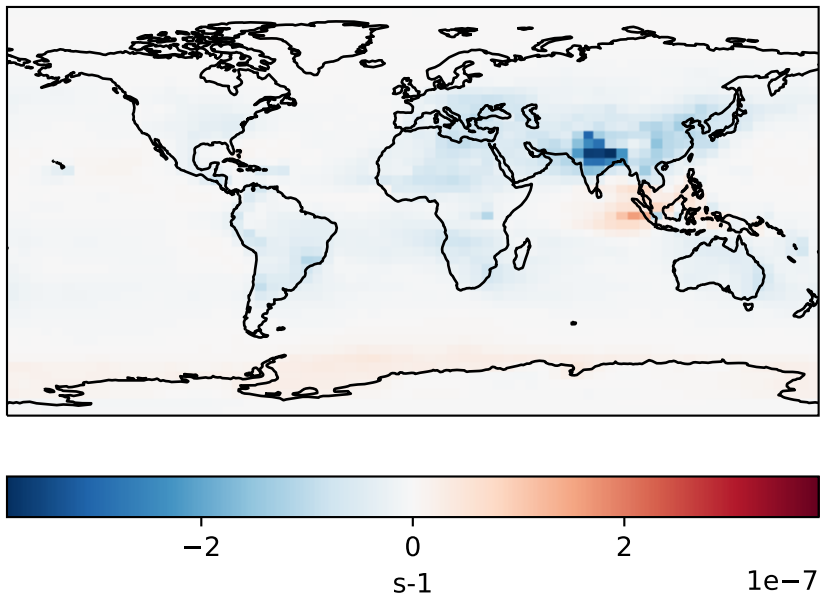
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



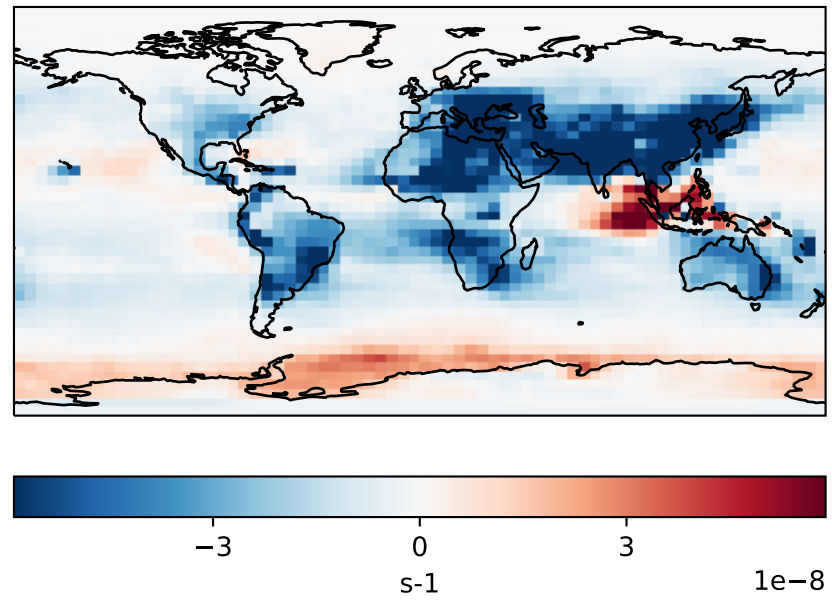
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



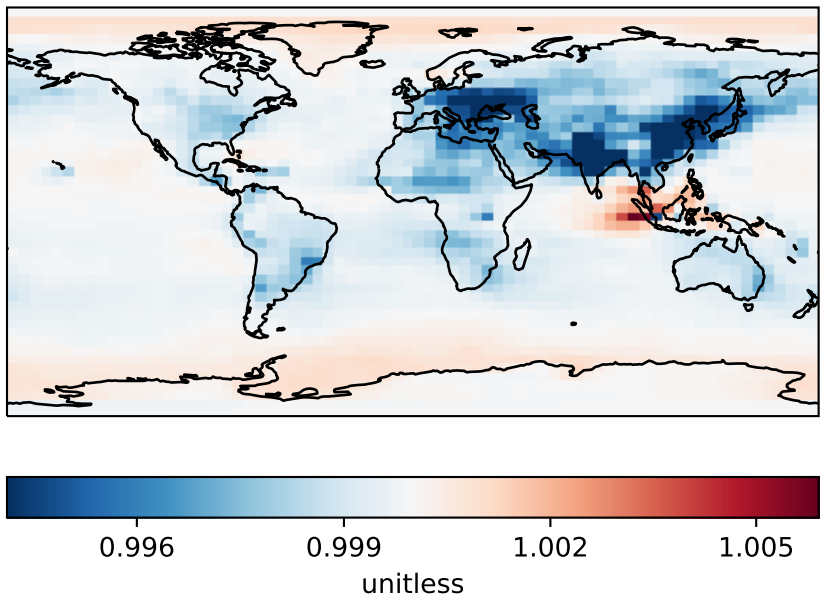
Difference
Dev - Ref, Dynamic Range



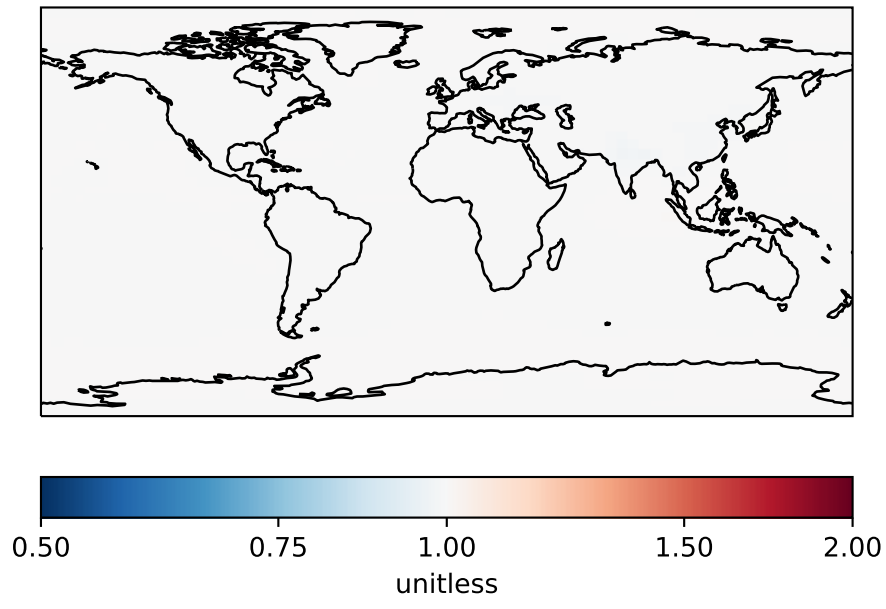
Difference
Dev - Ref, Restricted Range [5%,95%]



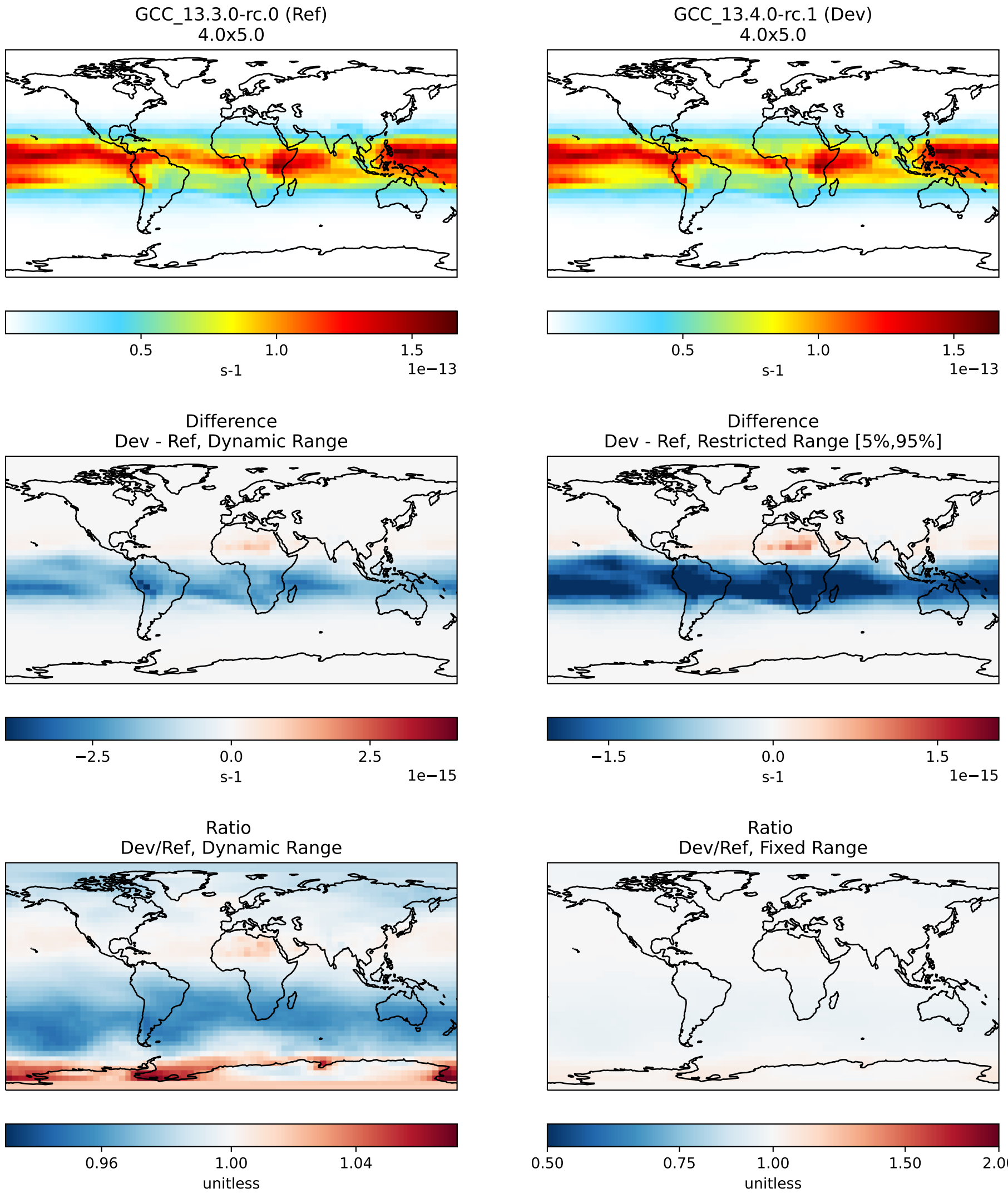
Ratio
Dev/Ref, Dynamic Range



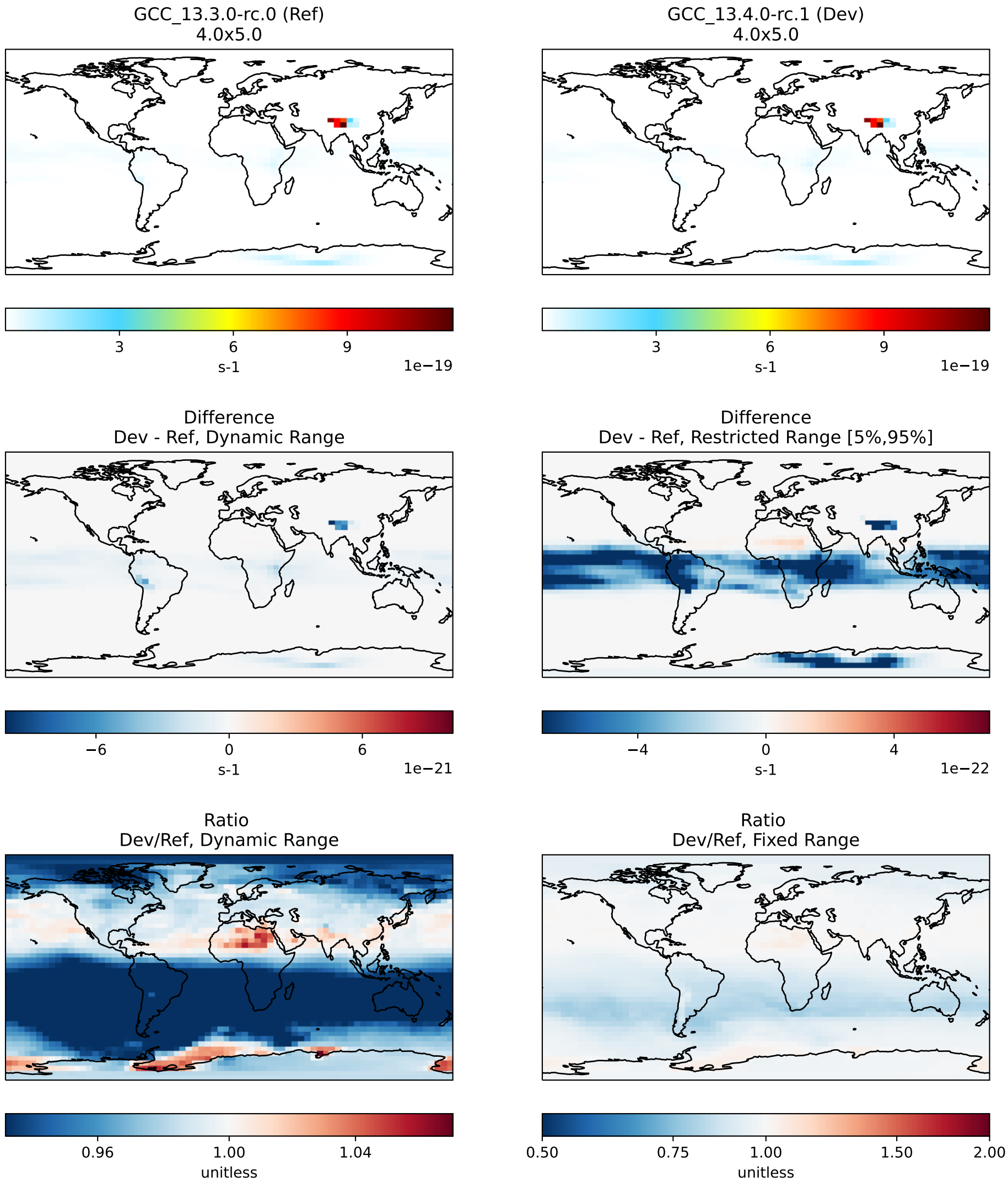
Ratio
Dev/Ref, Fixed Range



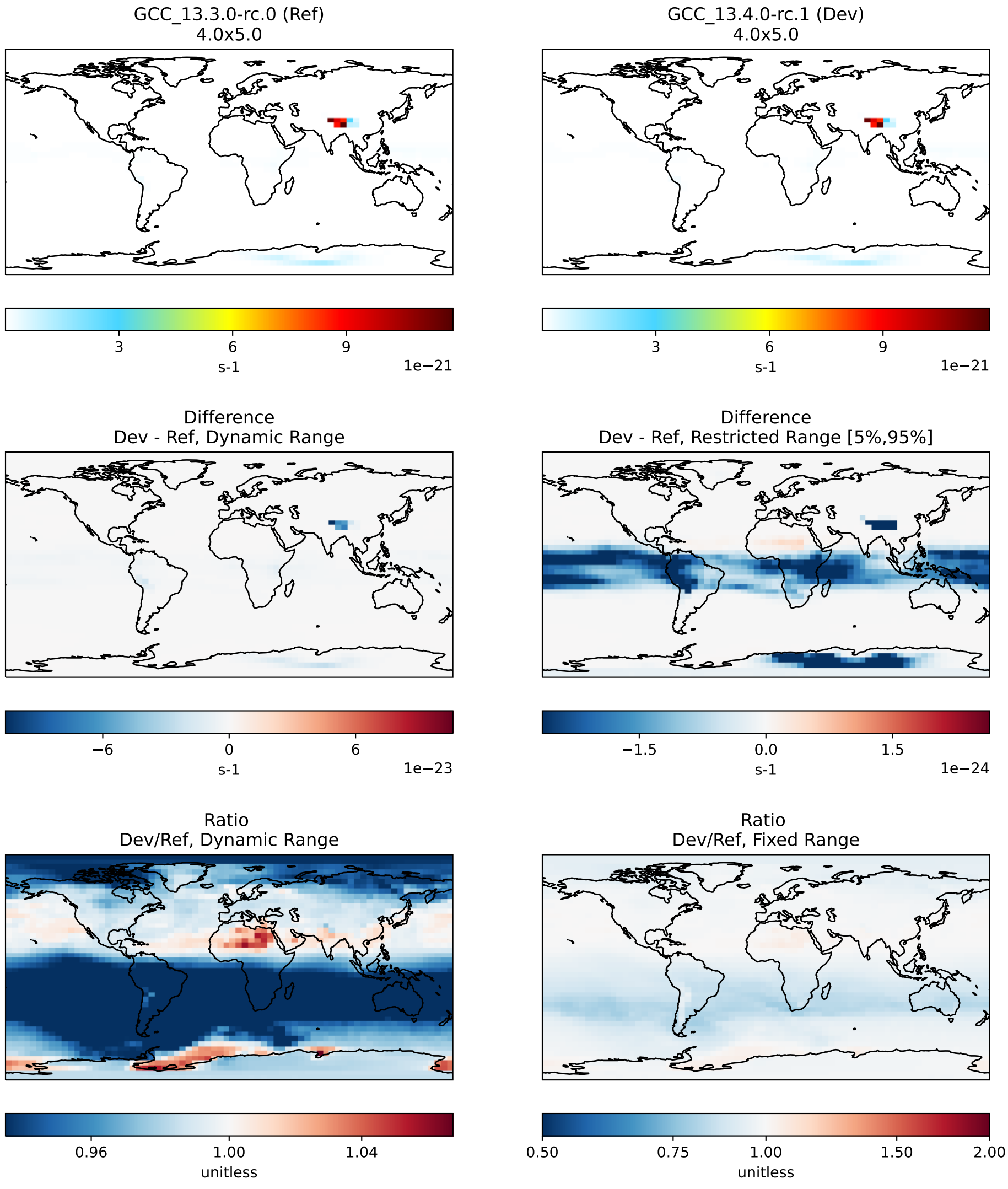
Jval_CH3Br (Oct2019)



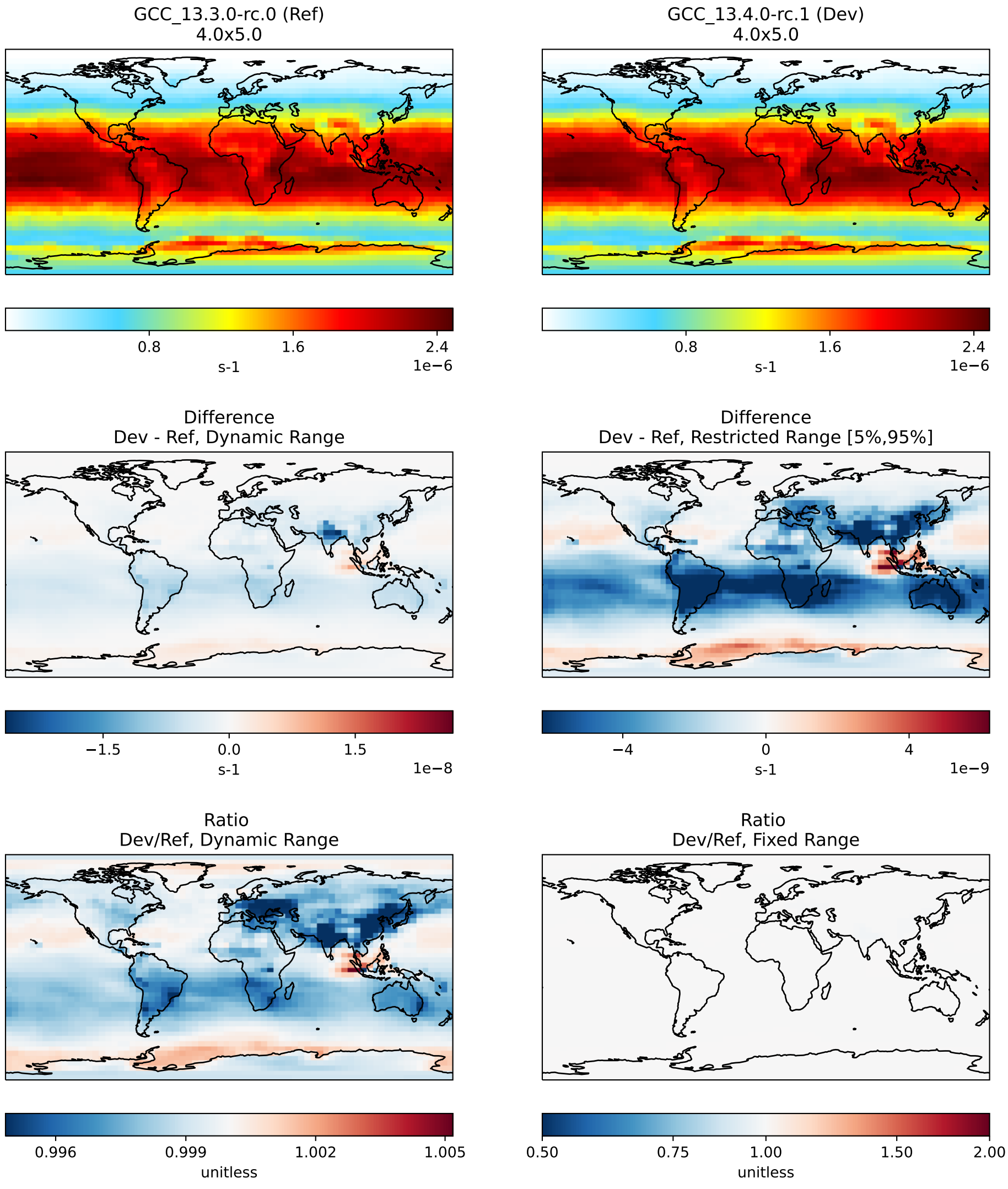
Jval_CH3CCl3 (Oct2019)



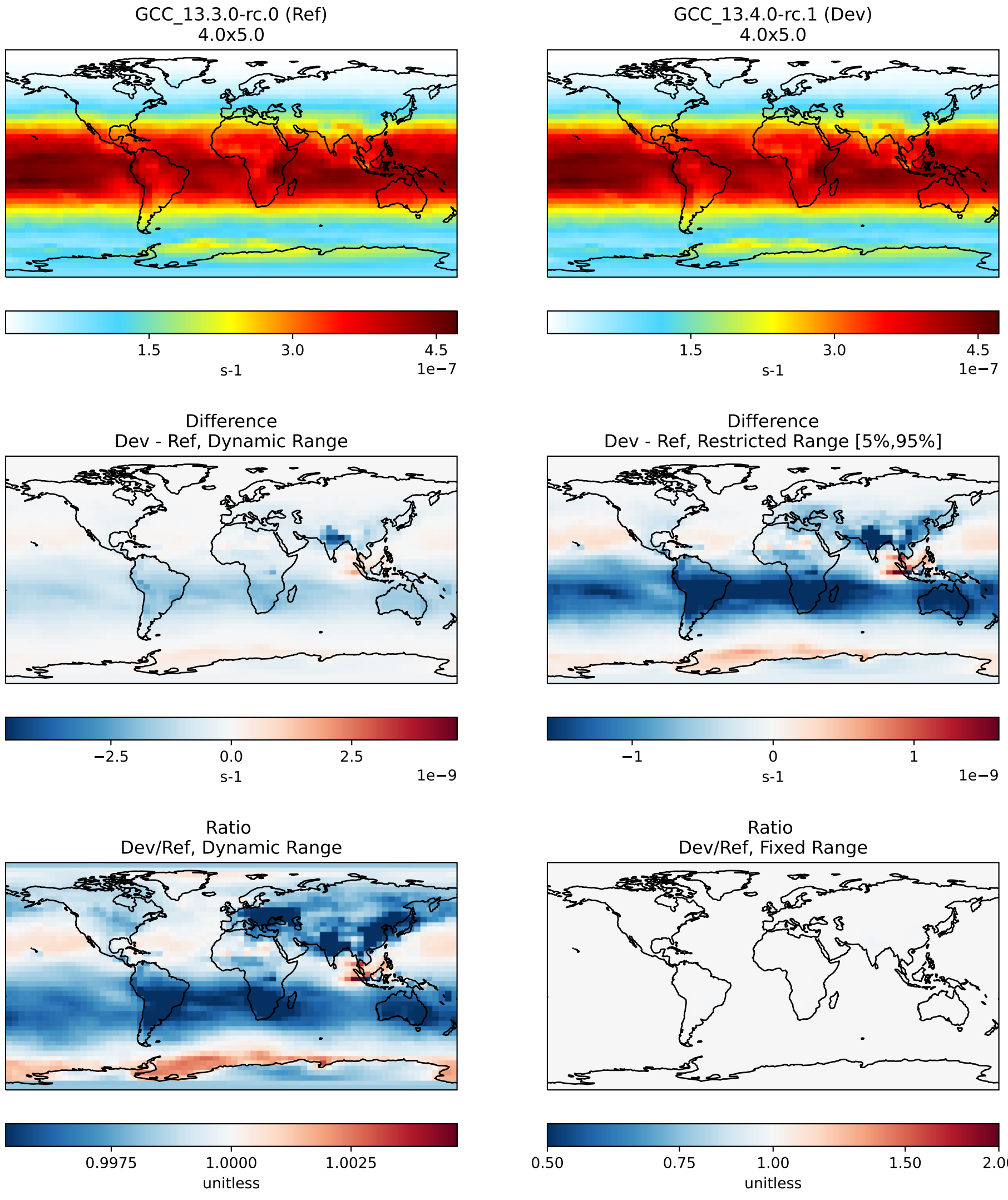
Jval_CH3Cl (Oct2019)



Jval_CH3I (Oct2019)

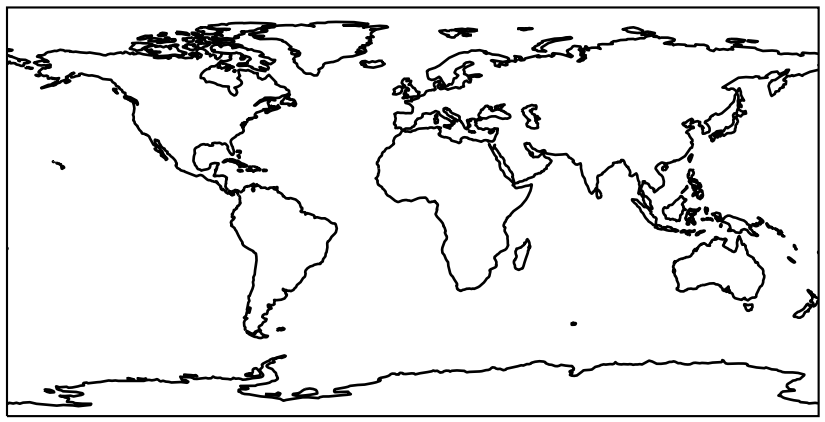


Jval_CHBr3 (Oct2019)



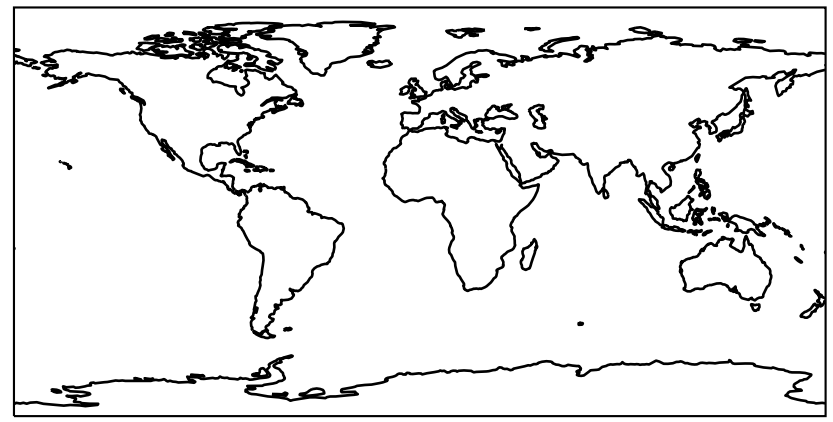
Jval_CHCl3 (Oct2019)

GCC_13.3.0-rc.0 (Ref)
4.0x5.0



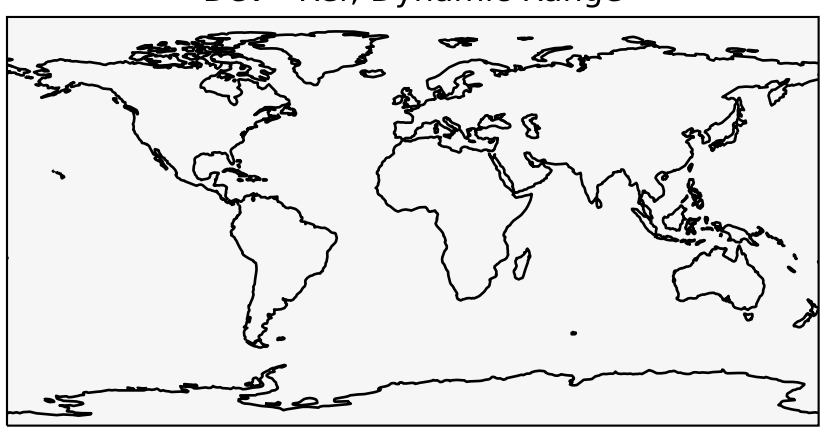
Zero throughout domain
s-1

GCC_13.4.0-rc.1 (Dev)
4.0x5.0



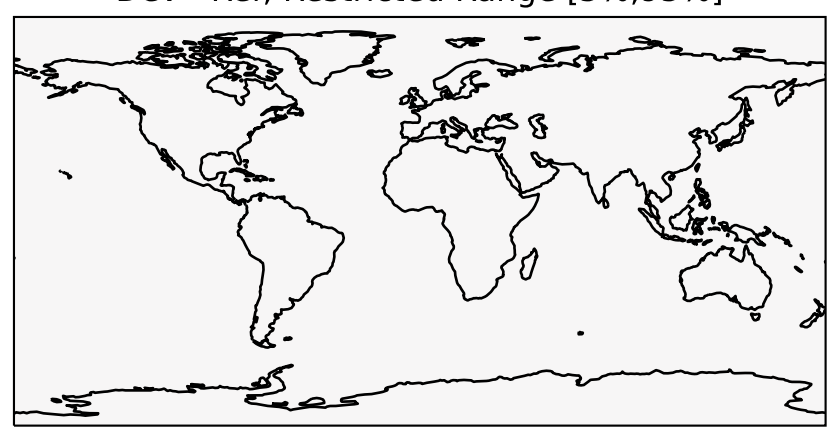
Zero throughout domain
s-1

Difference
Dev - Ref, Dynamic Range



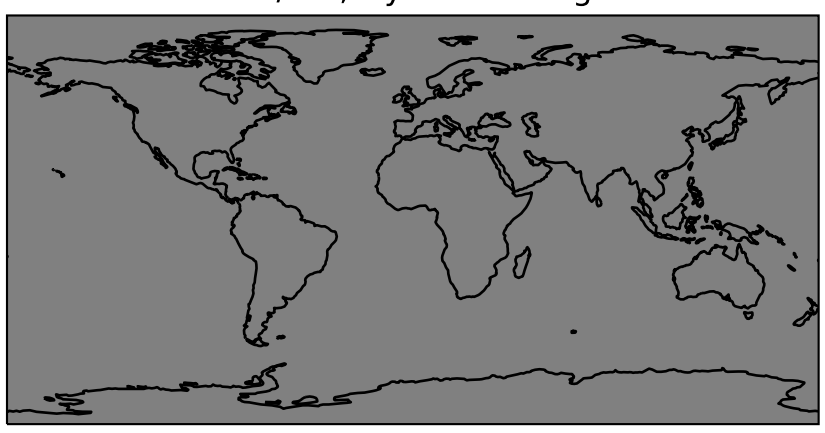
Zero throughout domain
s-1

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



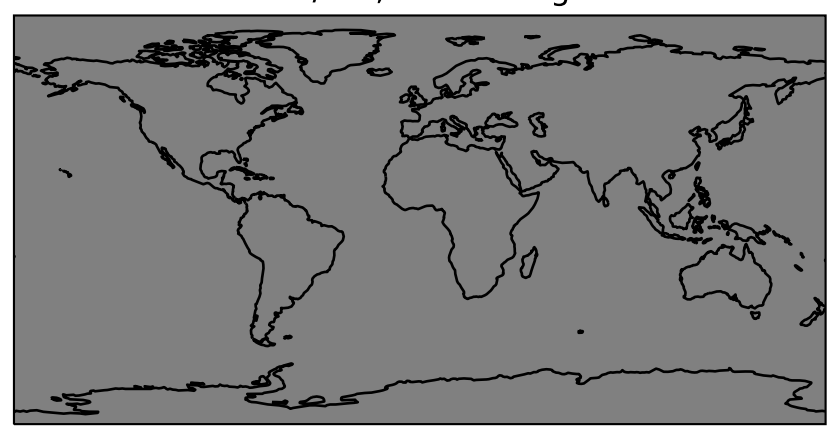
Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range



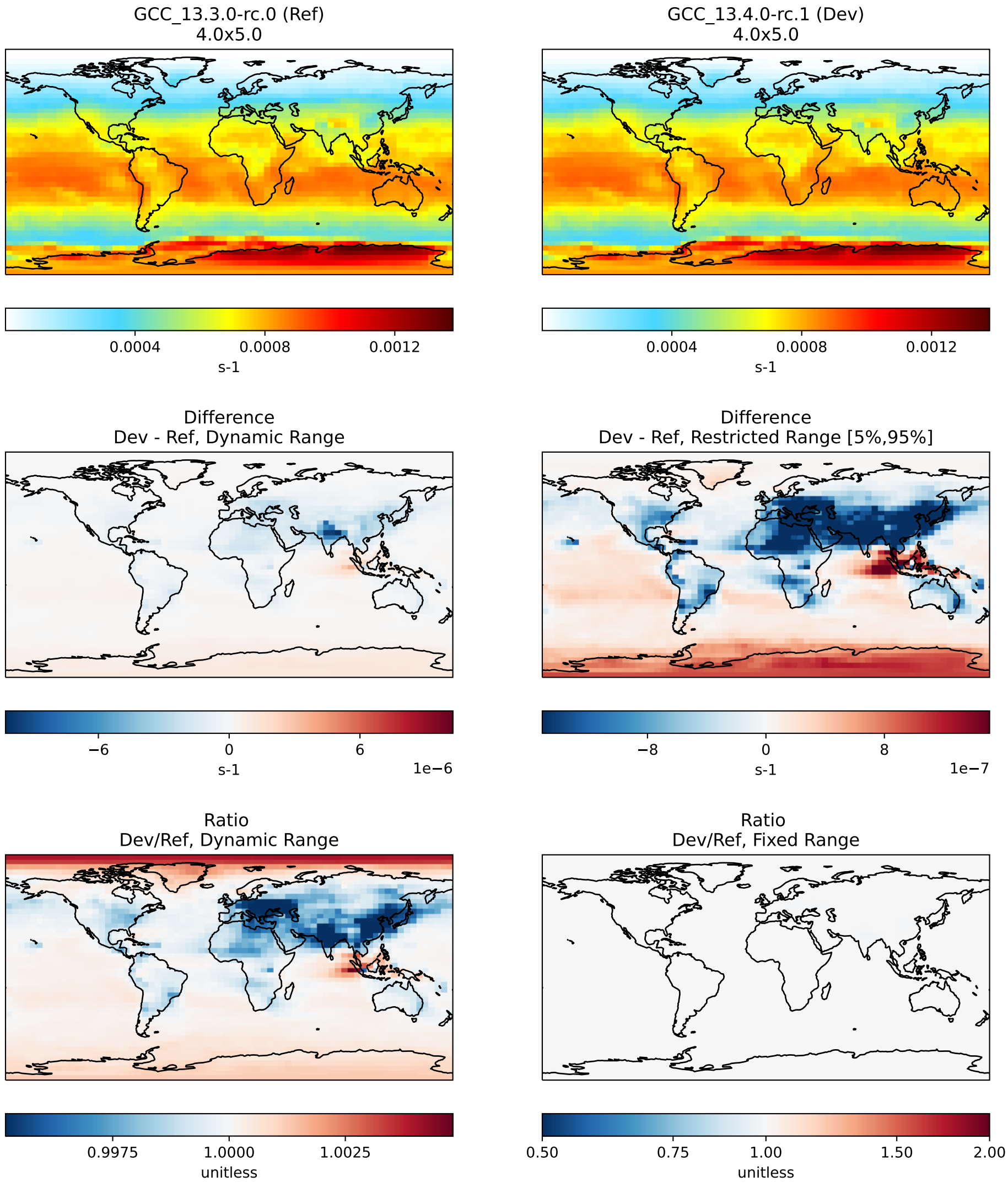
Undefined throughout domain
unitless

Ratio
Dev/Ref, Fixed Range

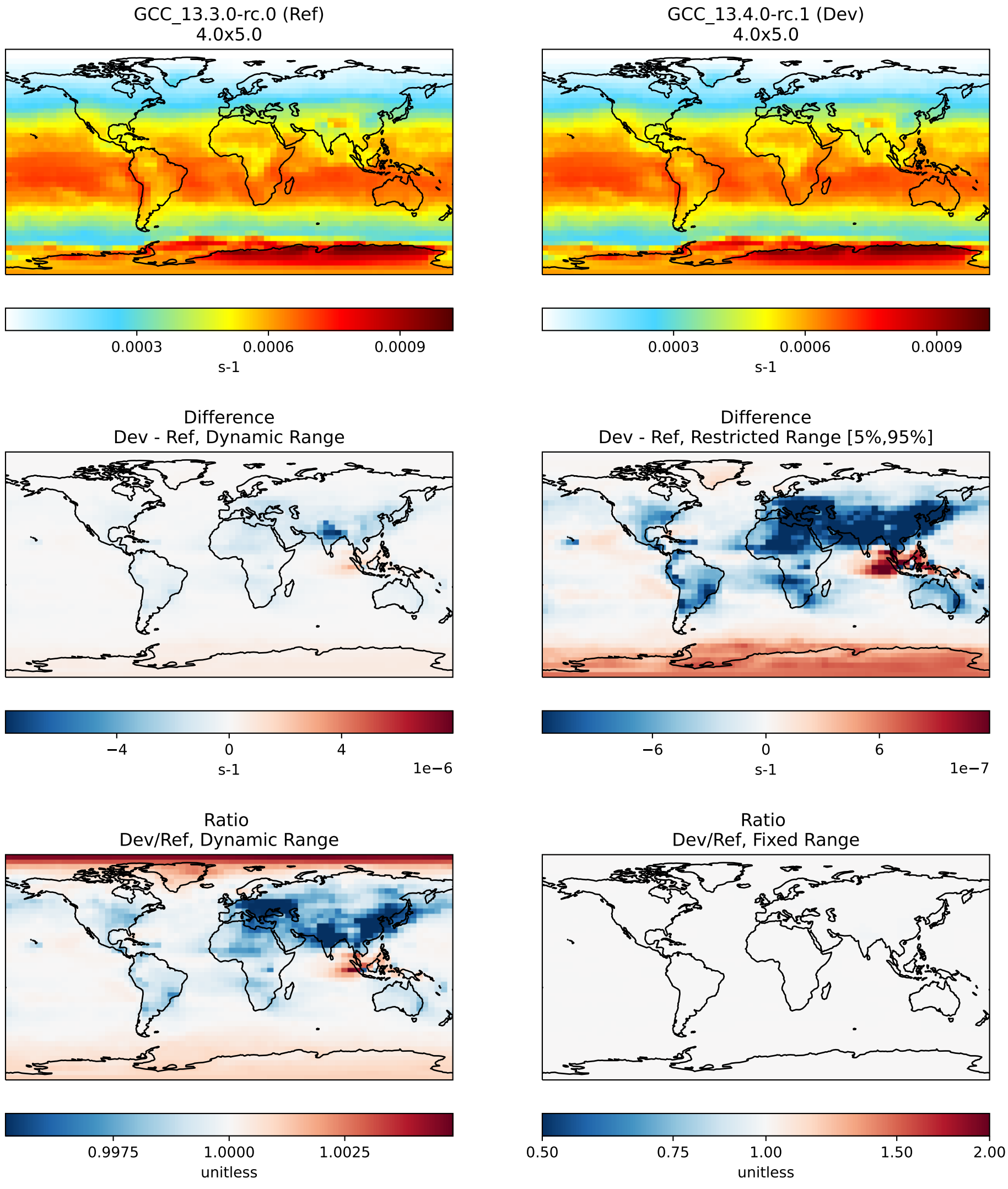


Undefined throughout domain
unitless

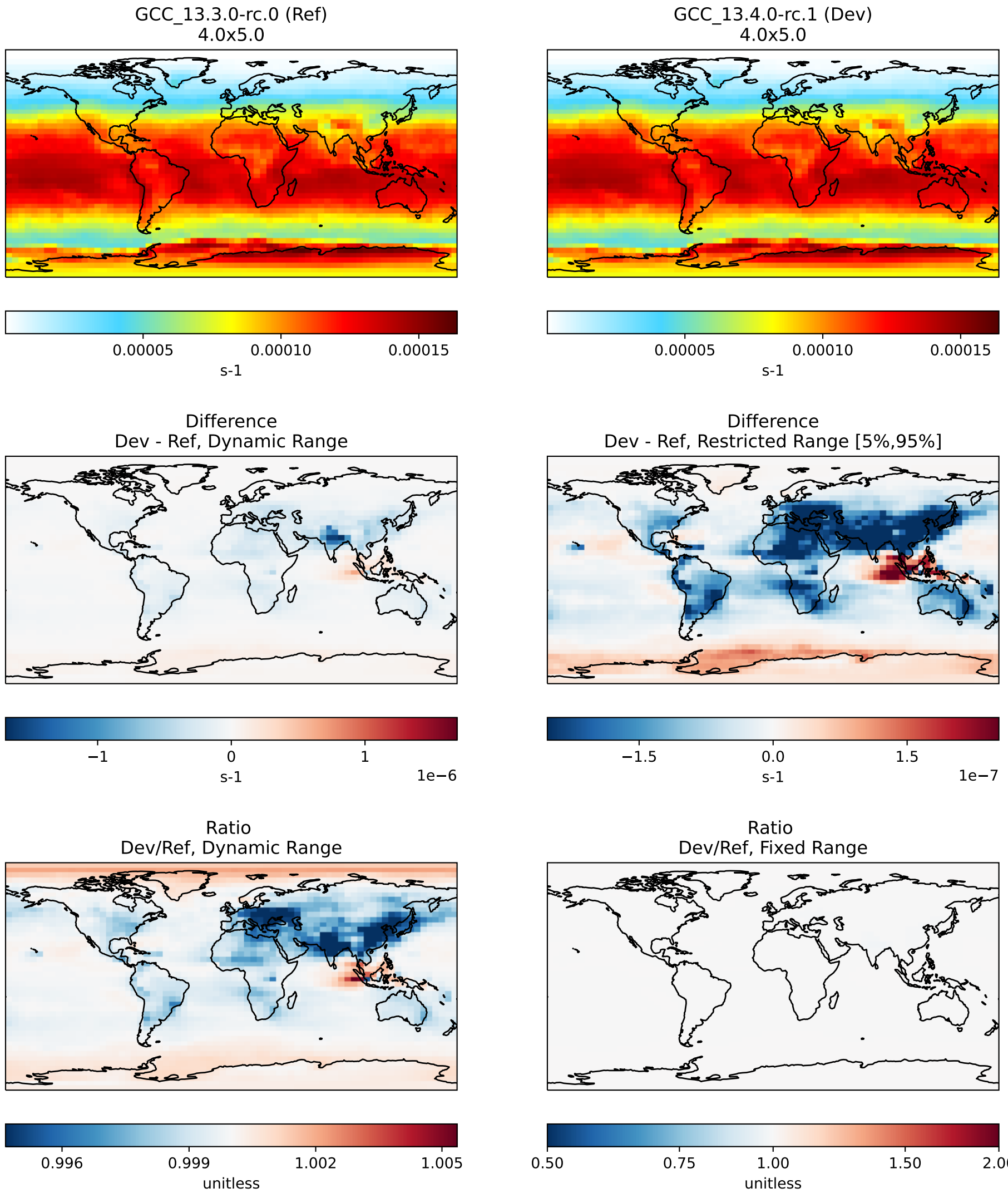
Jval_Cl2 (Oct2019)



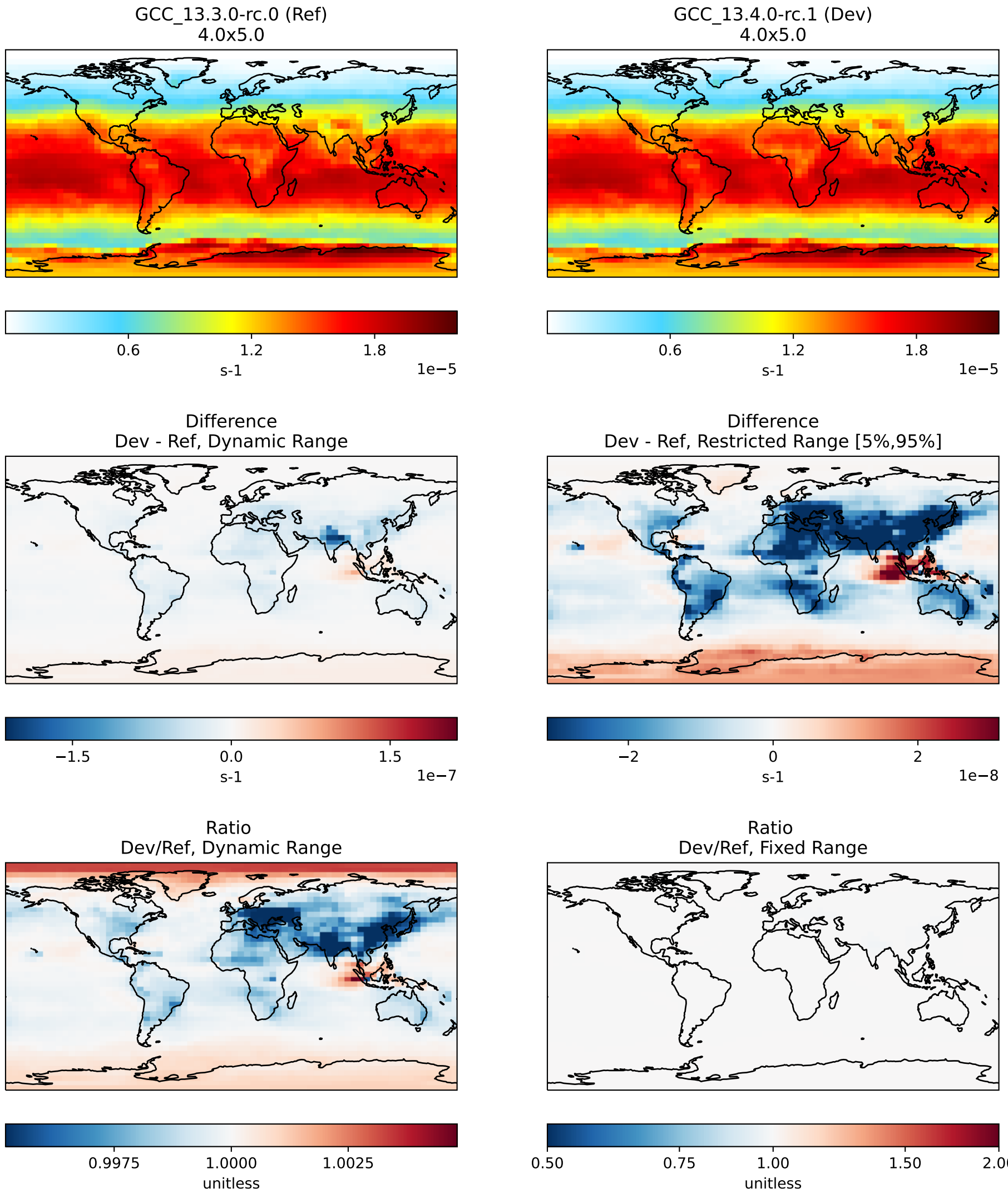
Jval_Cl2O2 (Oct2019)



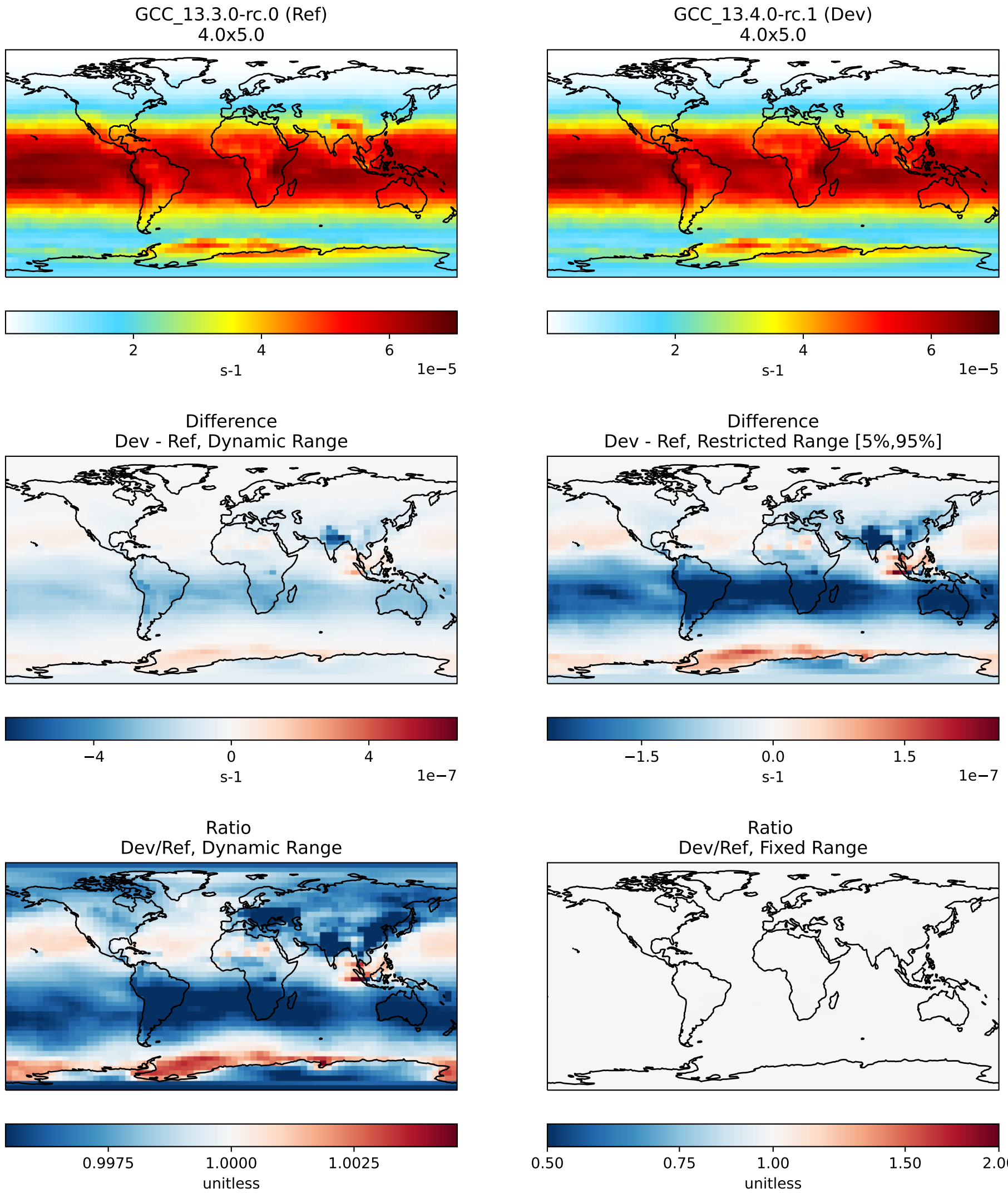
Jval_ClNO2 (Oct2019)



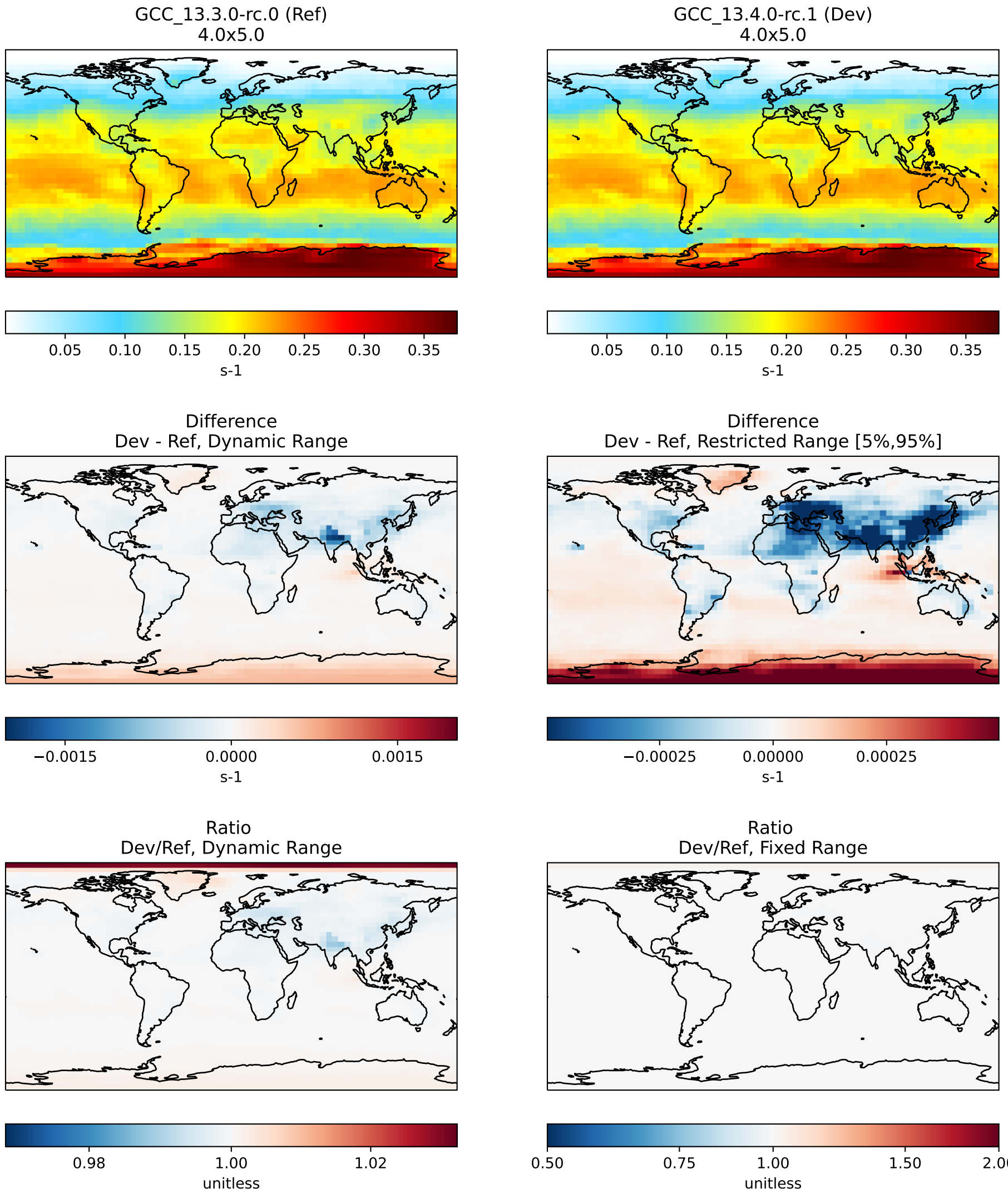
Jval_ClNO3 (Oct2019)



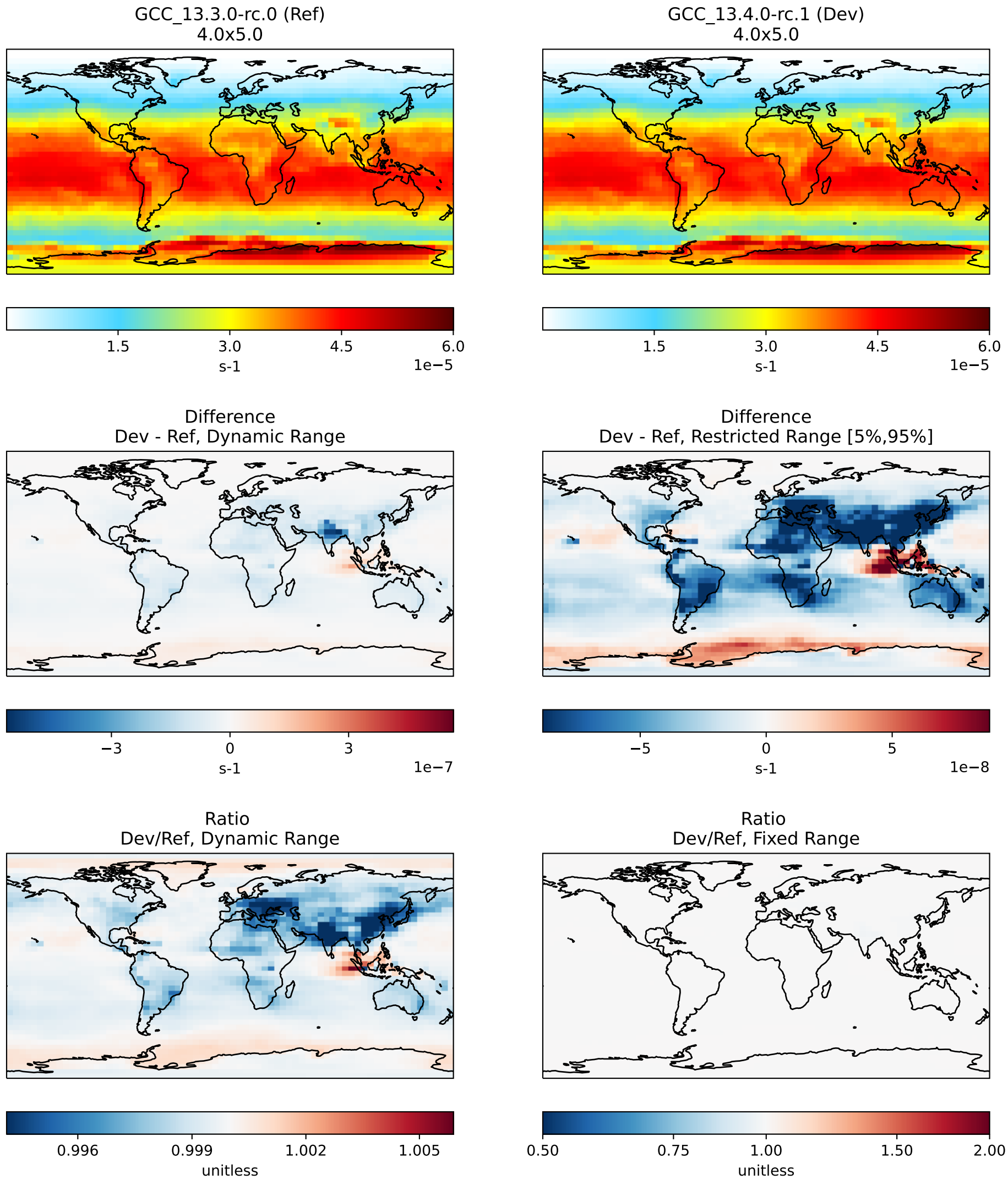
Jval_ClO (Oct2019)



Jval_ClOO (Oct2019)

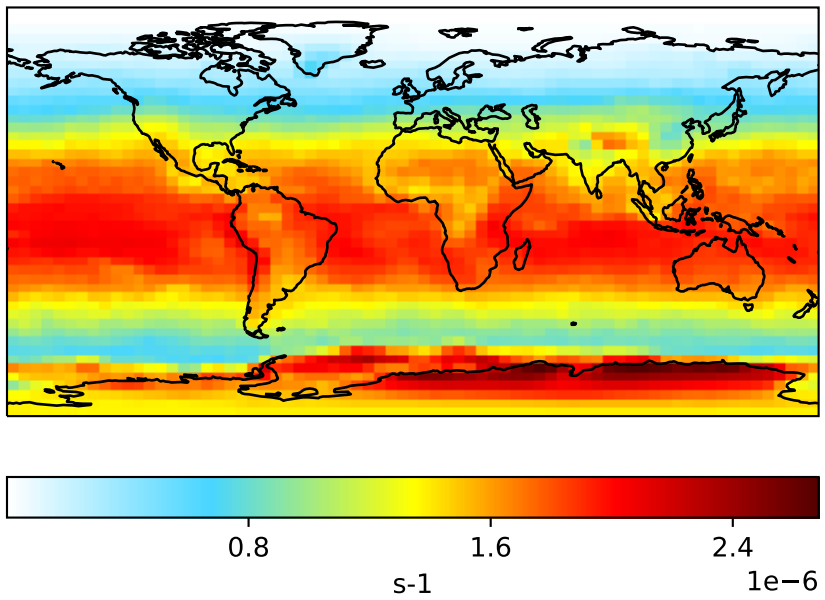


Jval_ETHLN (Oct2019)

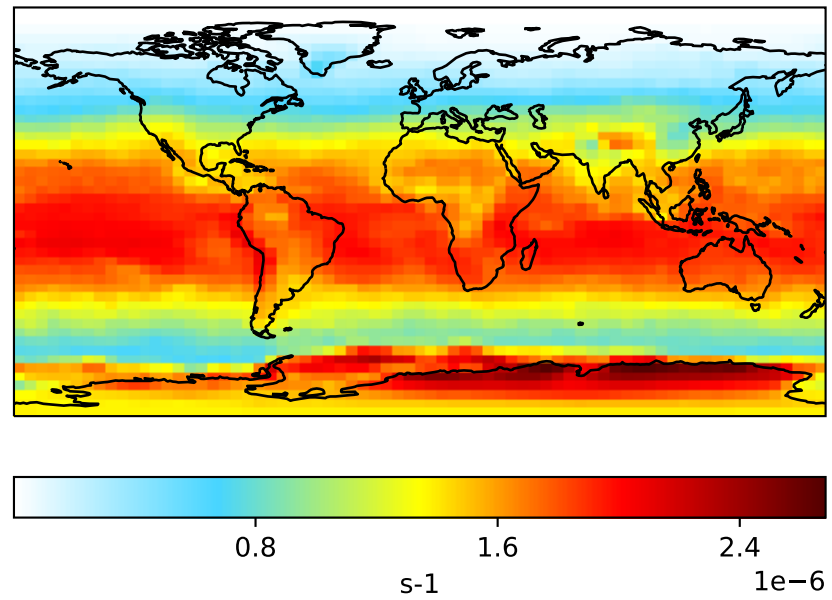


Jval_ETHP (Oct2019)

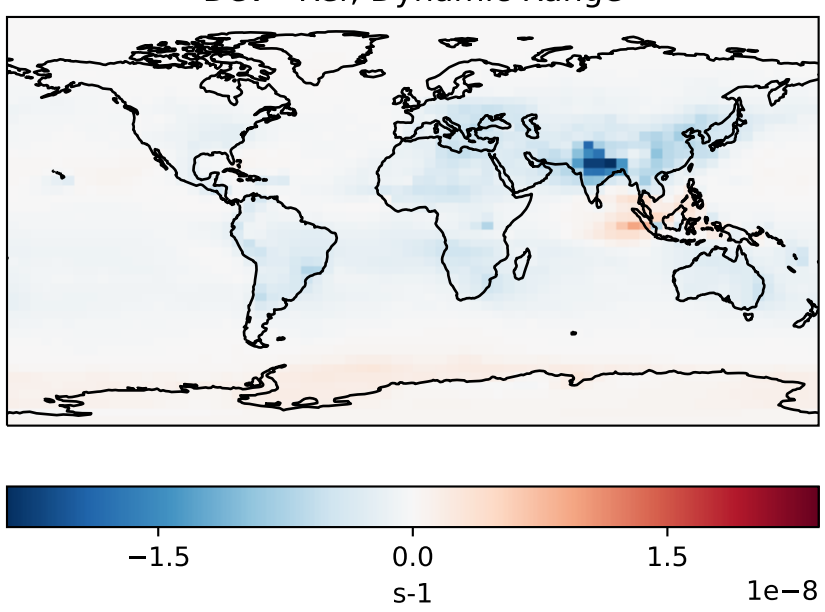
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



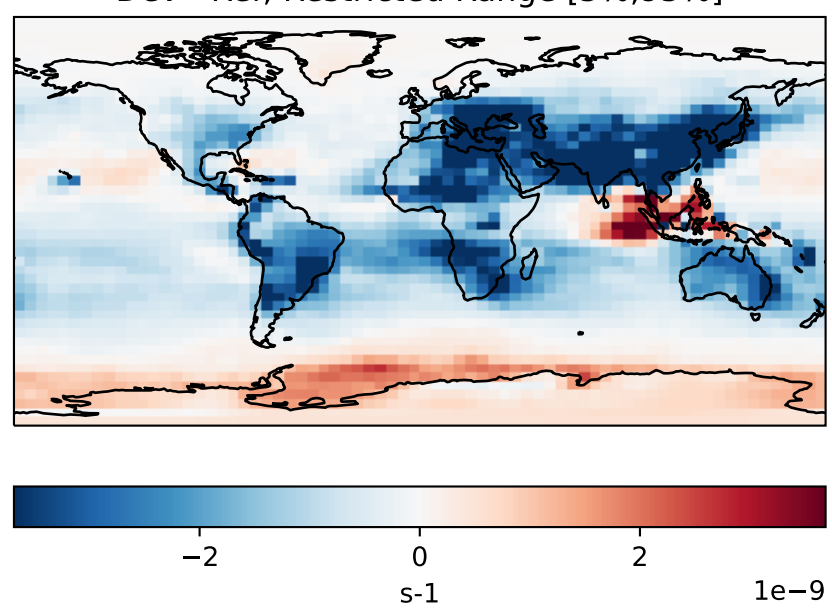
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



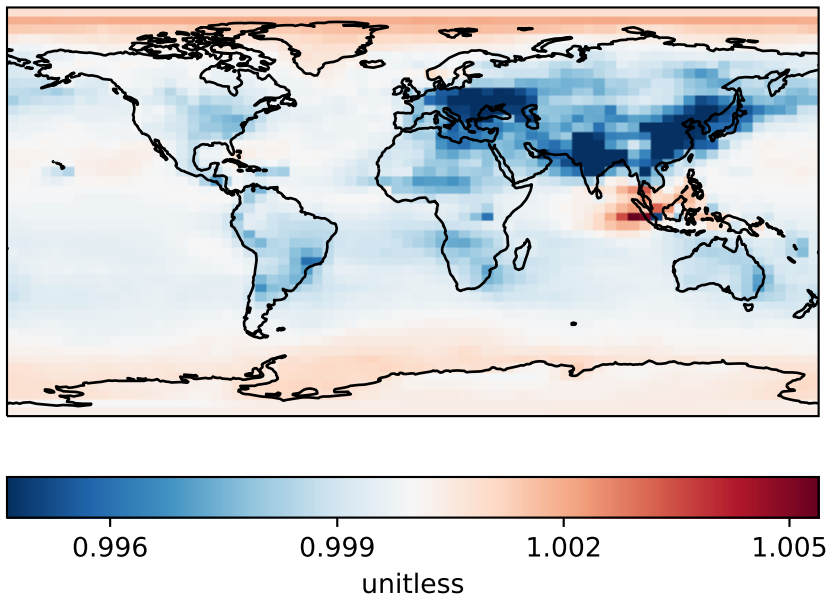
Difference
Dev - Ref, Dynamic Range



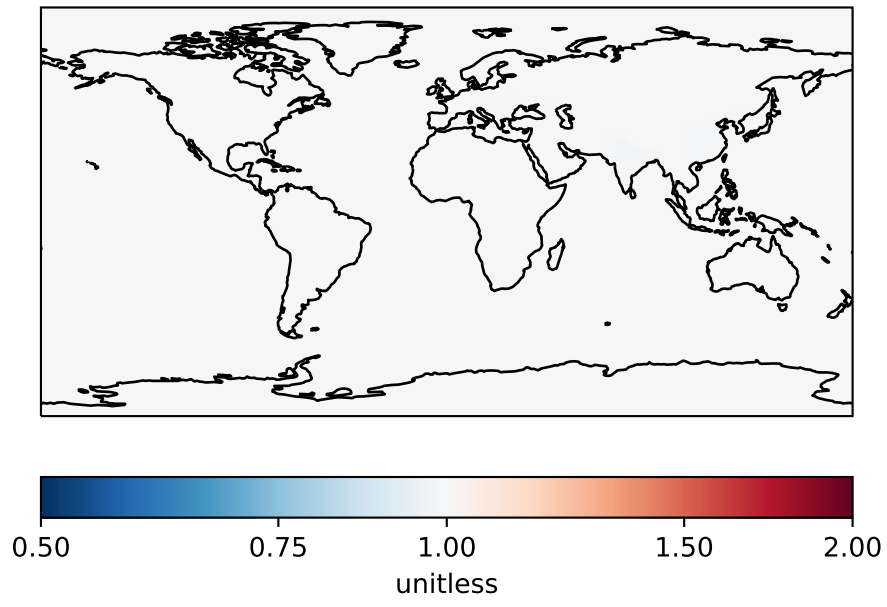
Difference
Dev - Ref, Restricted Range [5%,95%]



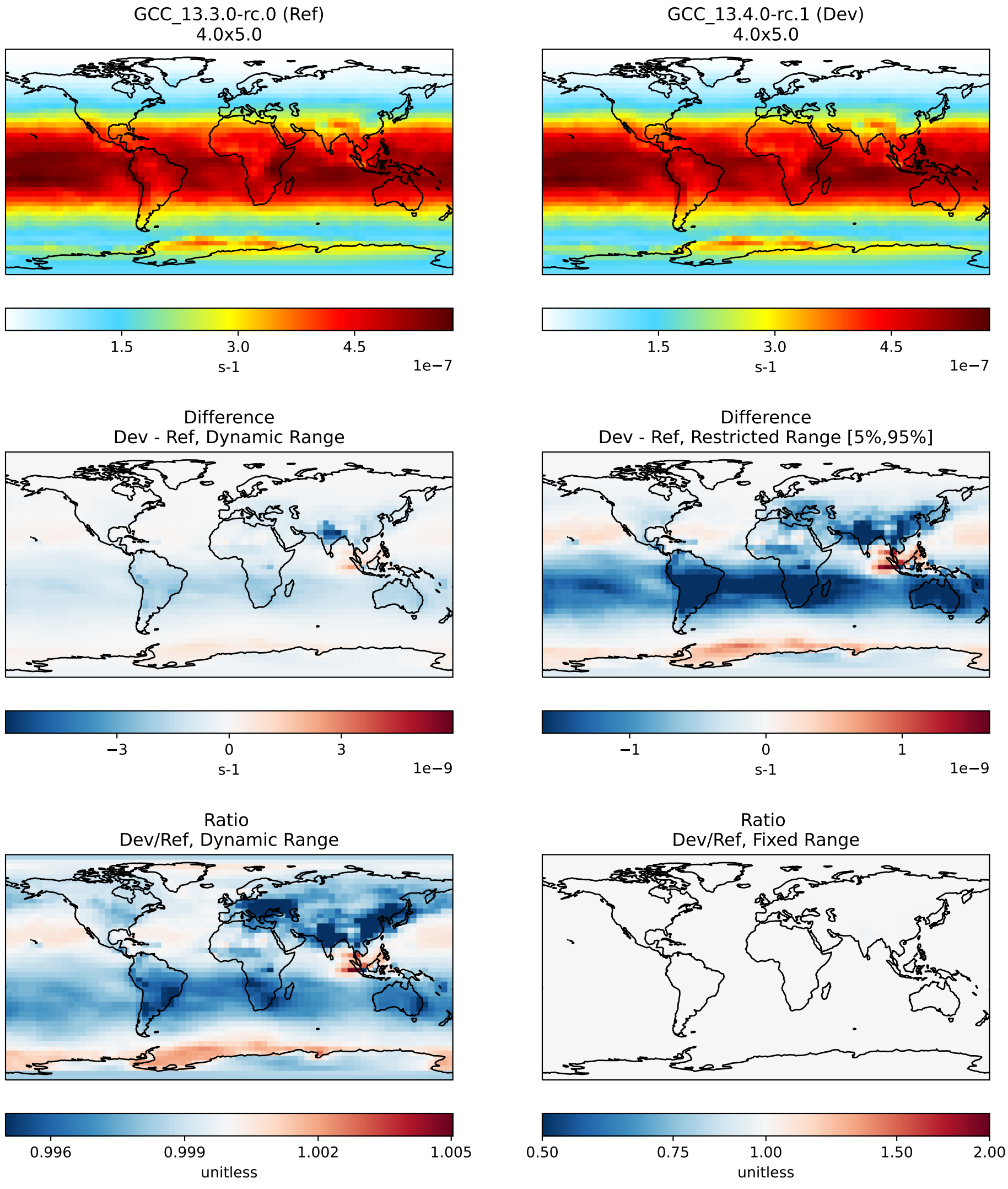
Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

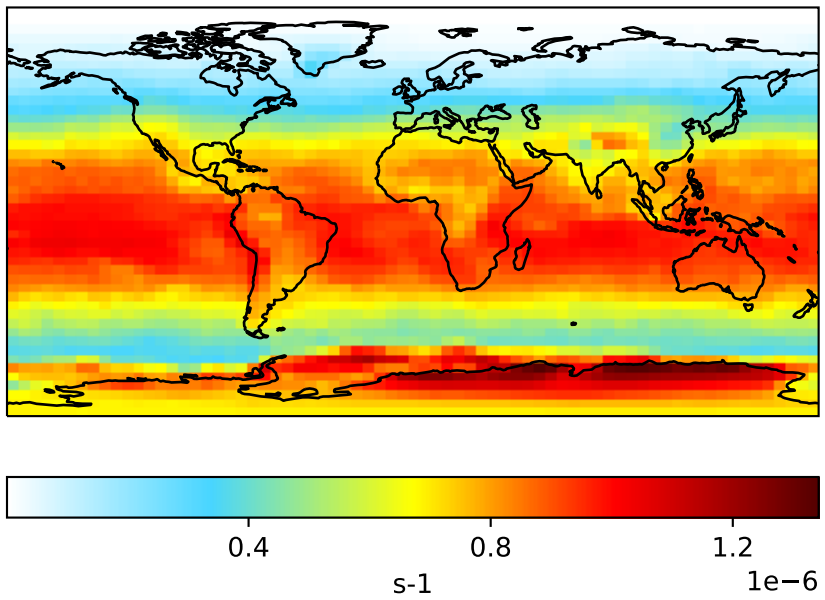


Jval_ETNO3 (Oct2019)

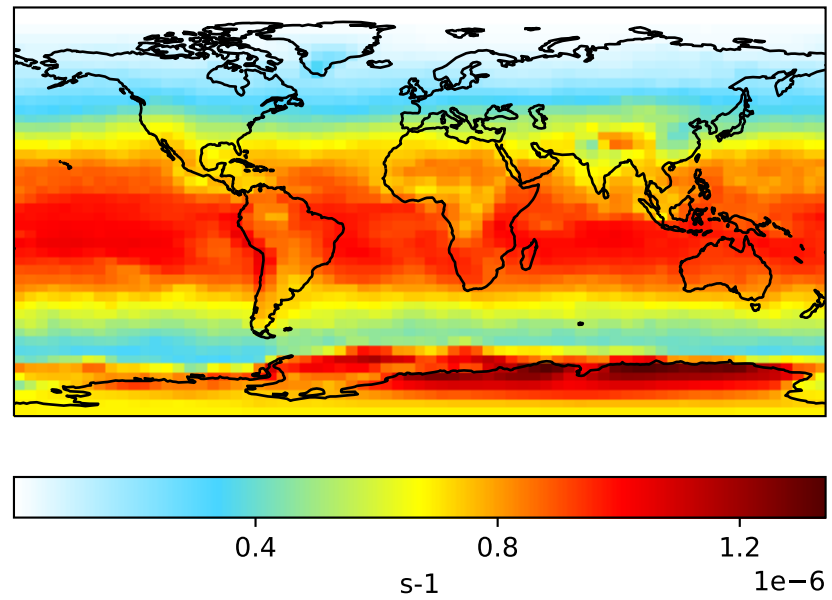


Jval_ETP (Oct2019)

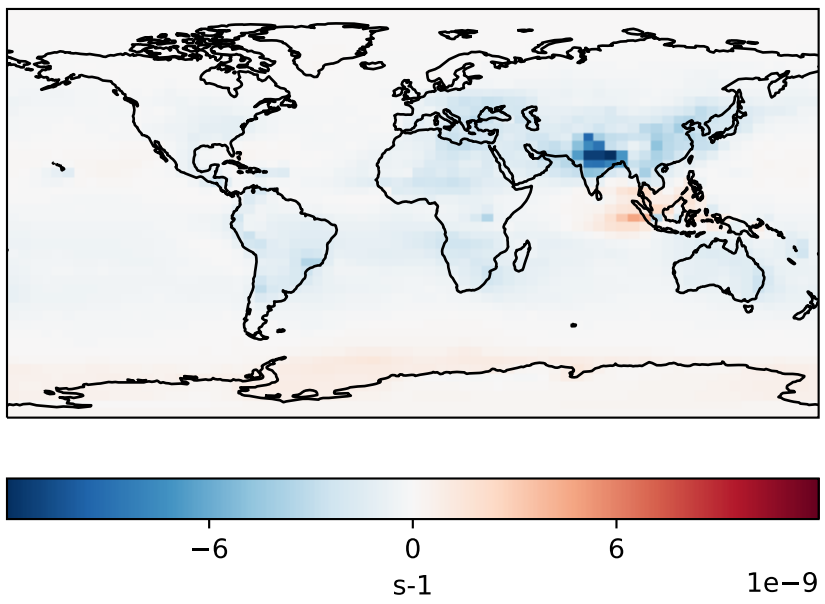
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



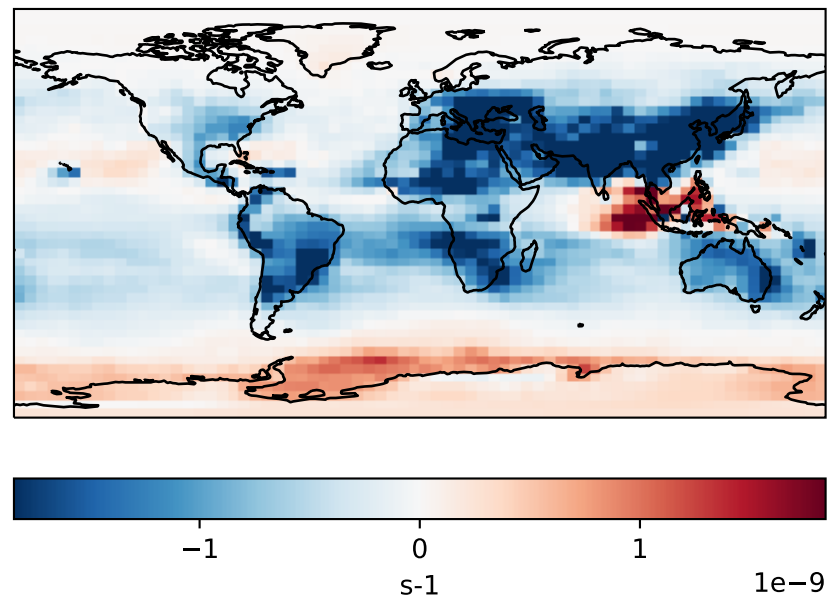
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



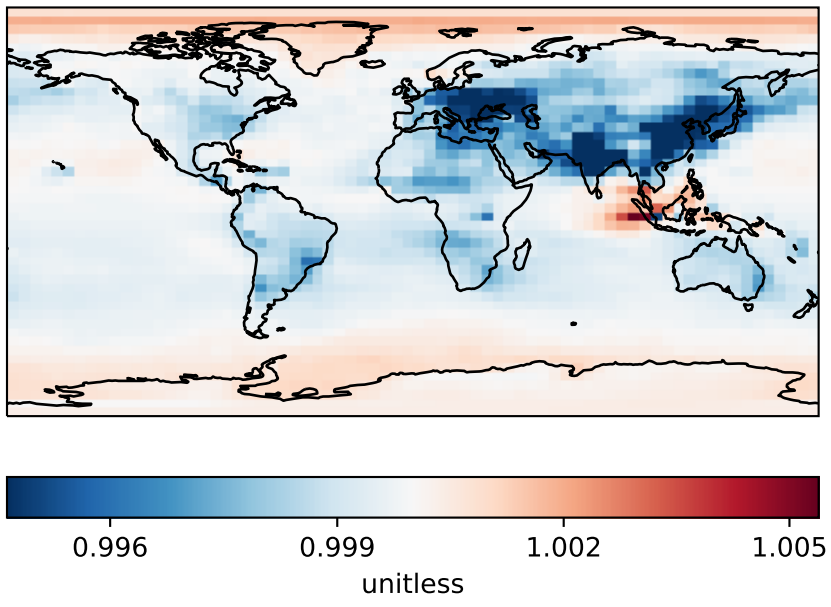
Difference
Dev - Ref, Dynamic Range



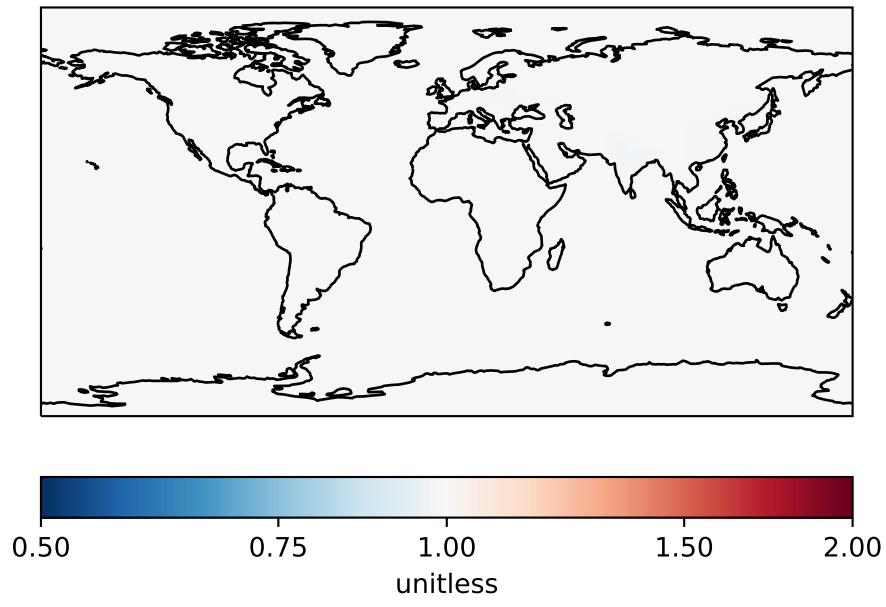
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

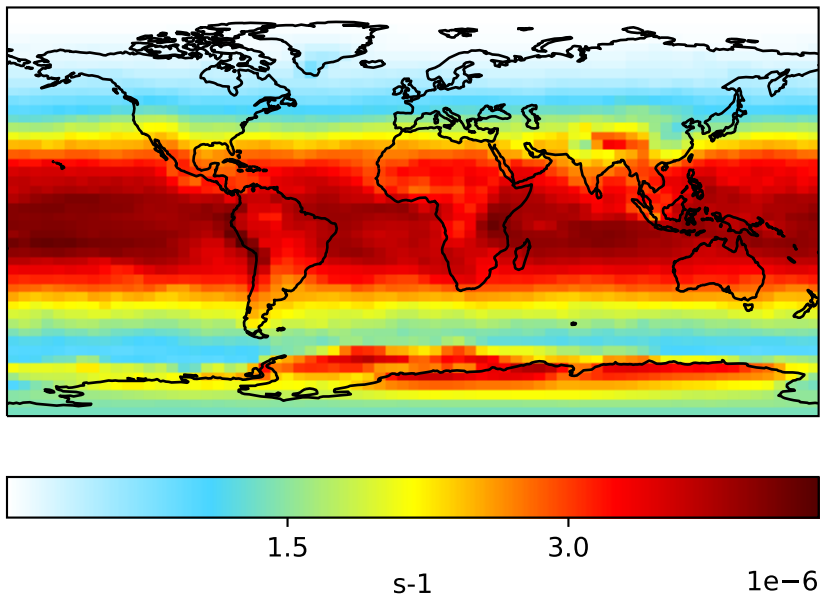


Ratio
Dev/Ref, Fixed Range

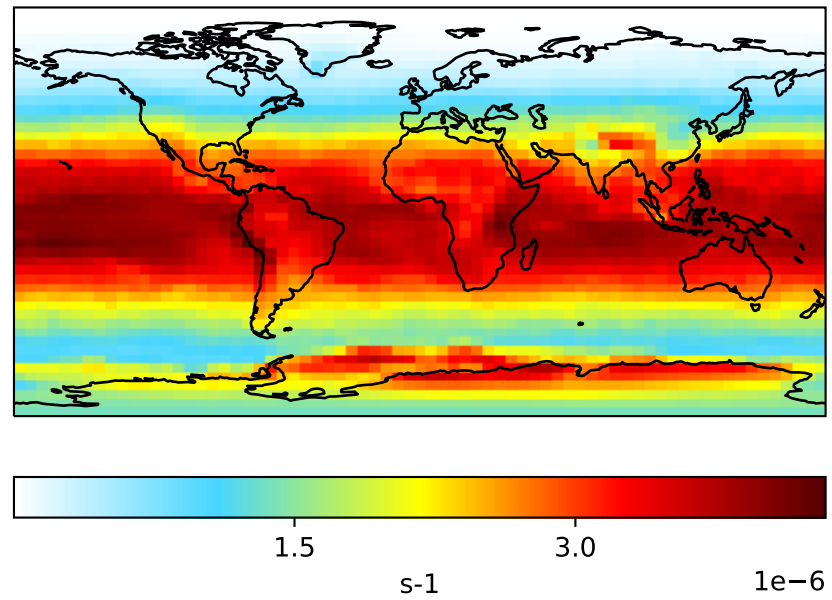


Jval_GLYC (Oct2019)

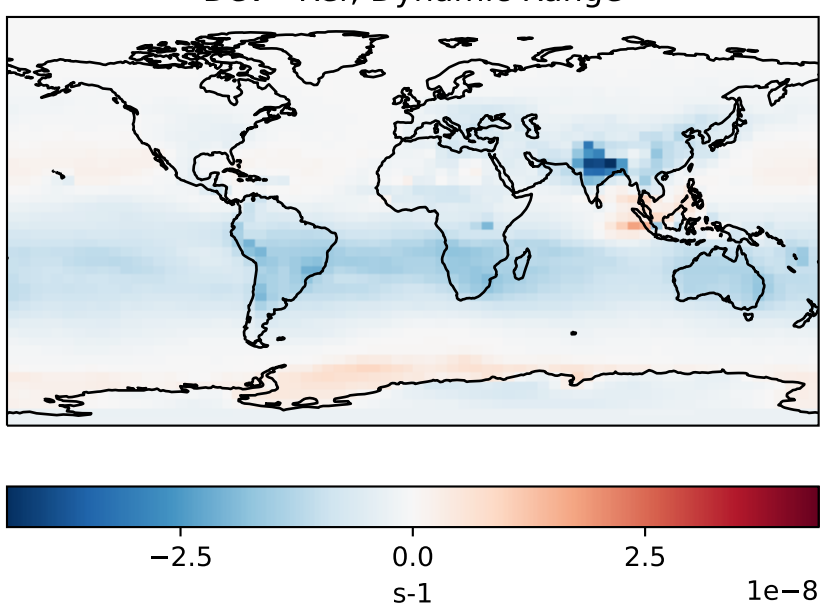
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



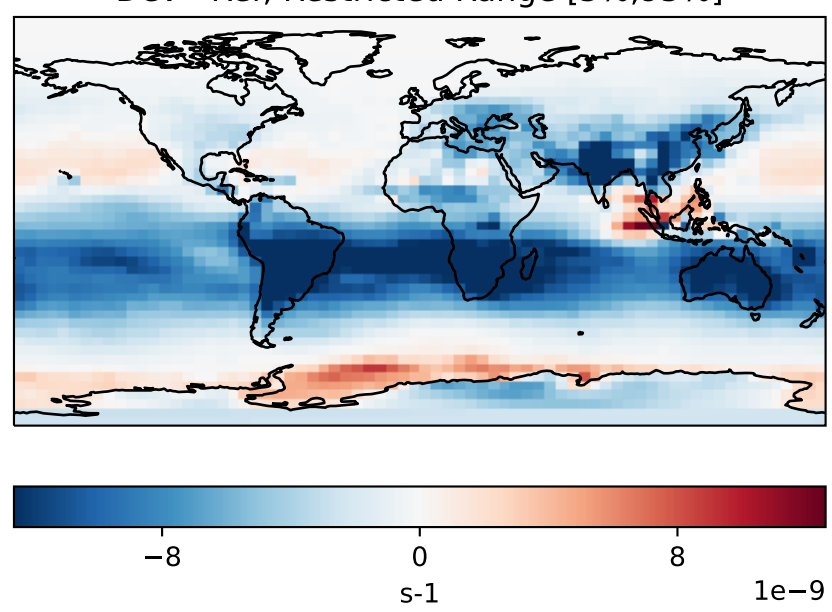
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



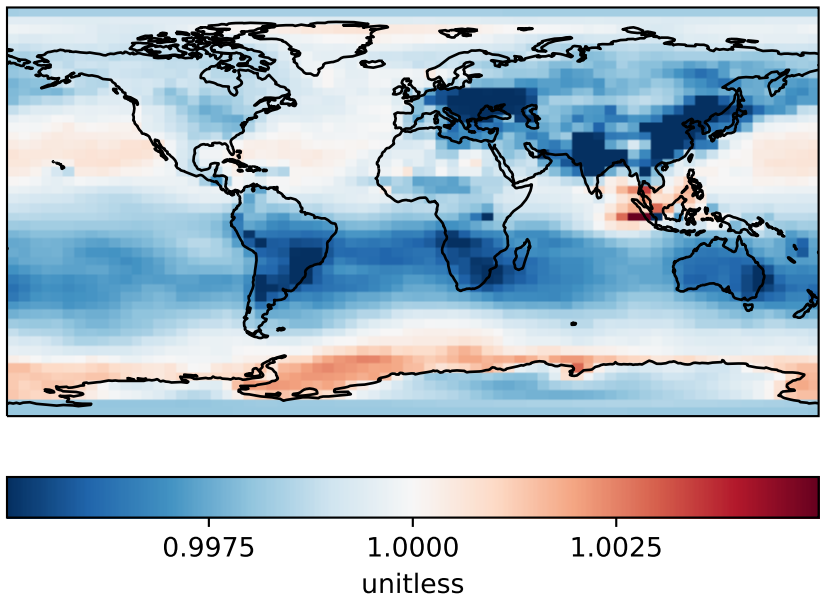
Difference
Dev - Ref, Dynamic Range



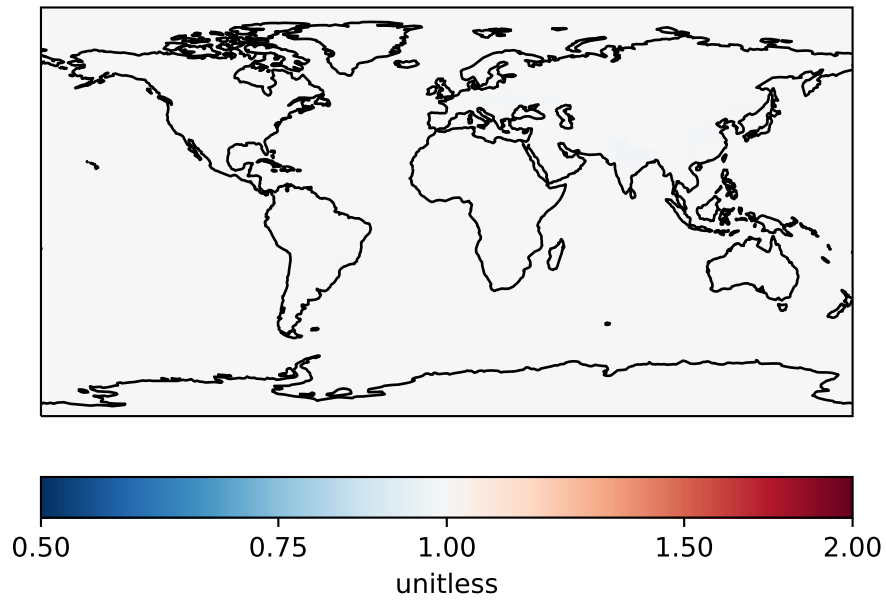
Difference
Dev - Ref, Restricted Range [5%,95%]



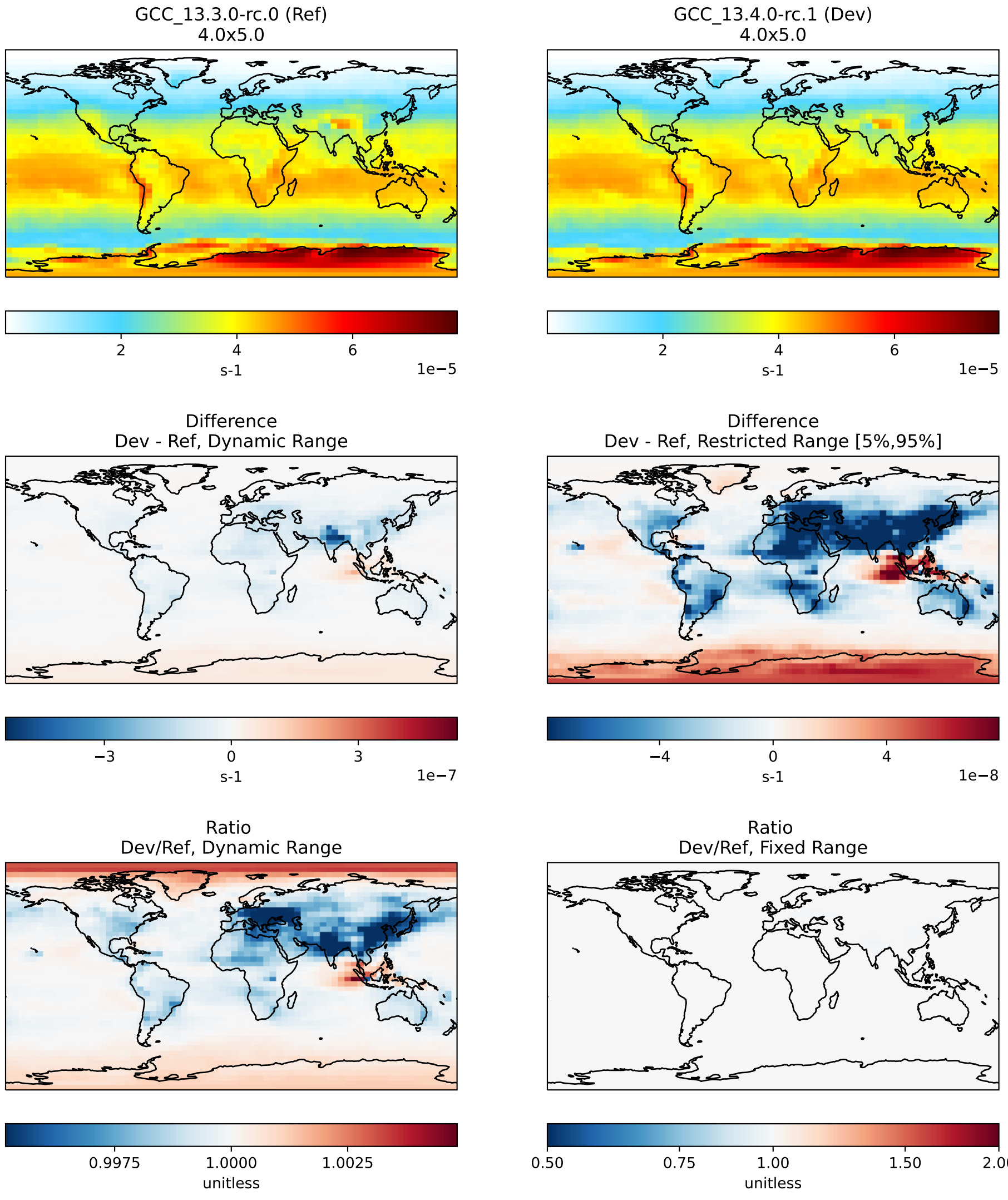
Ratio
Dev/Ref, Dynamic Range



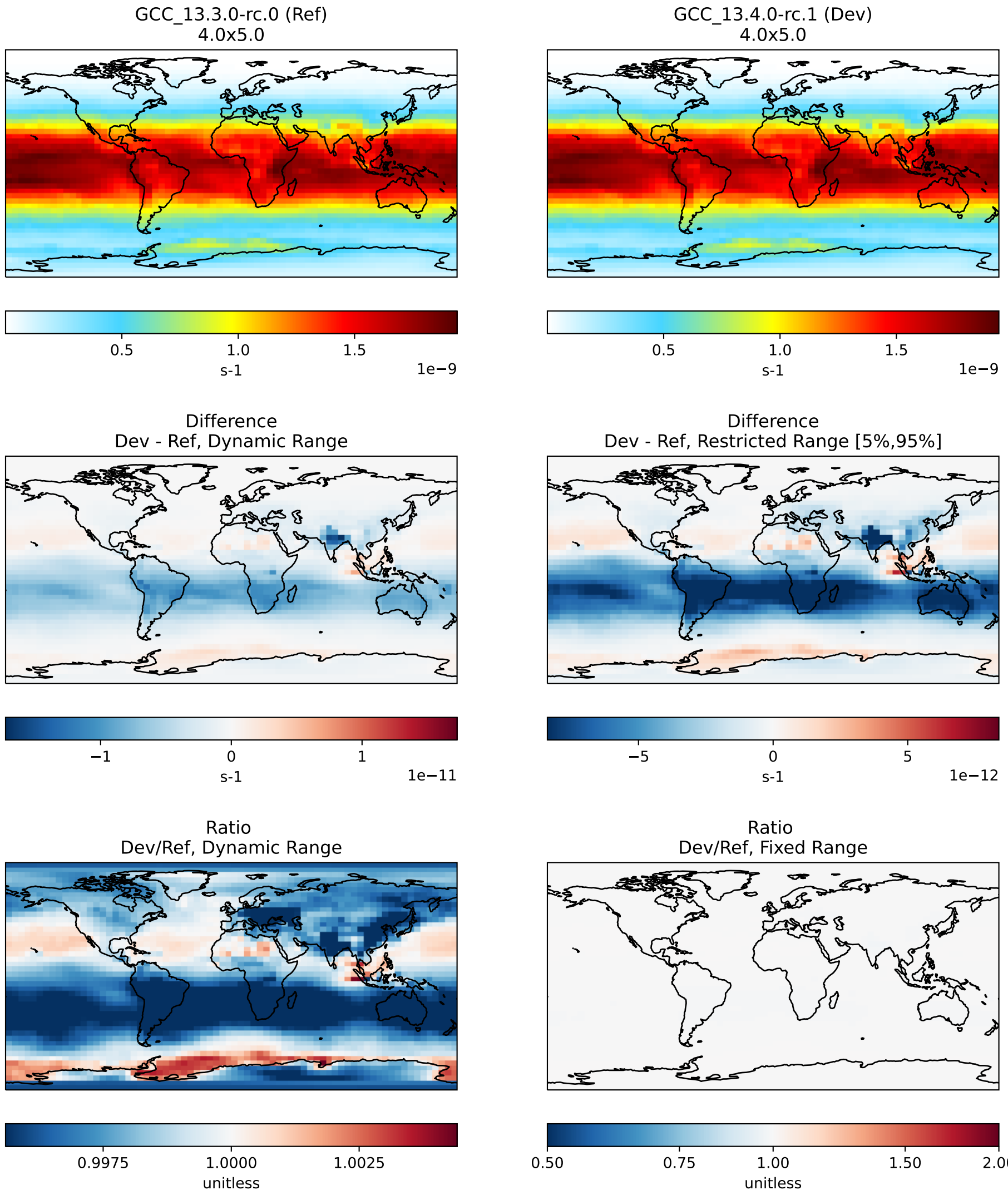
Ratio
Dev/Ref, Fixed Range



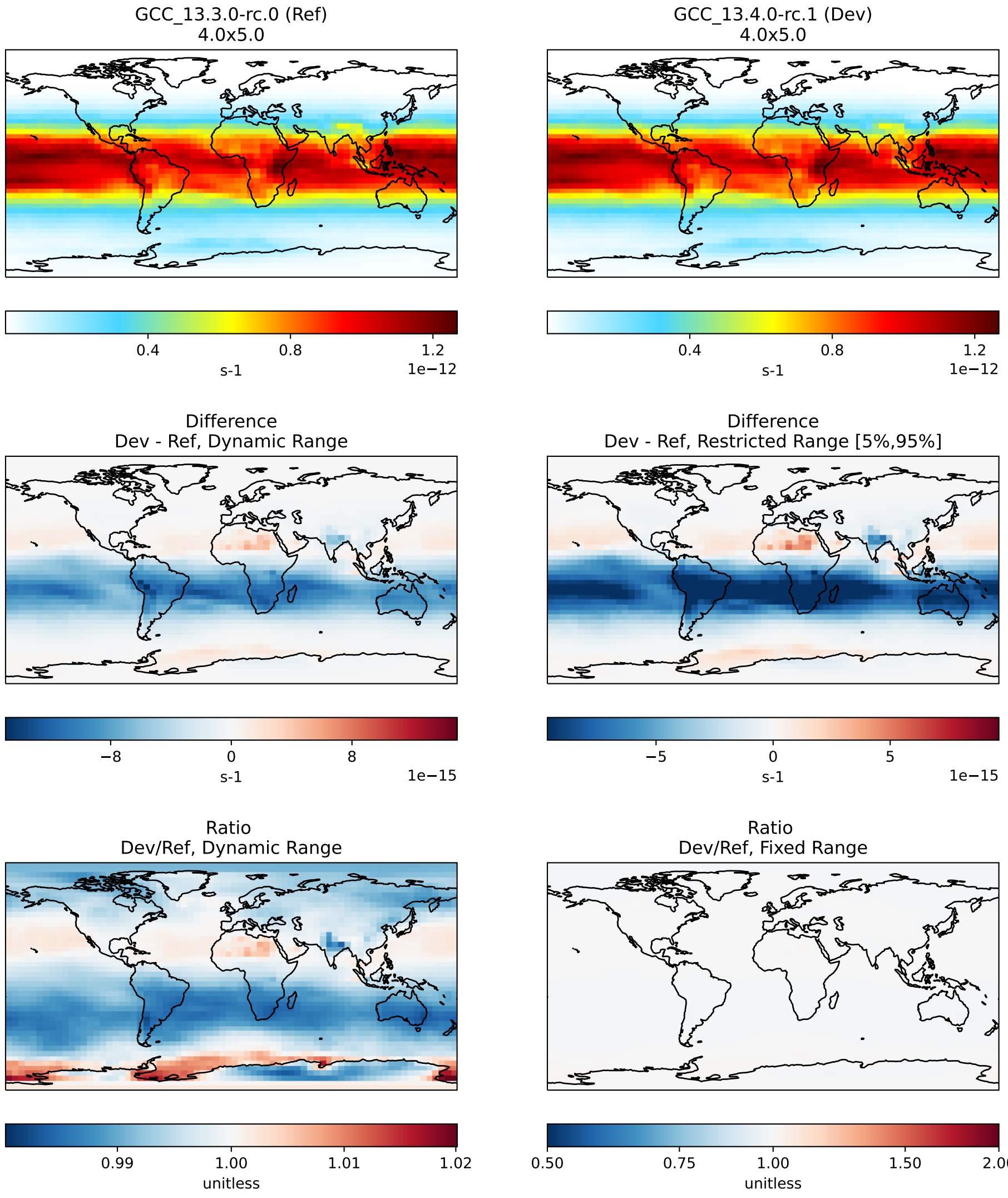
Jval_GLYX (Oct2019)



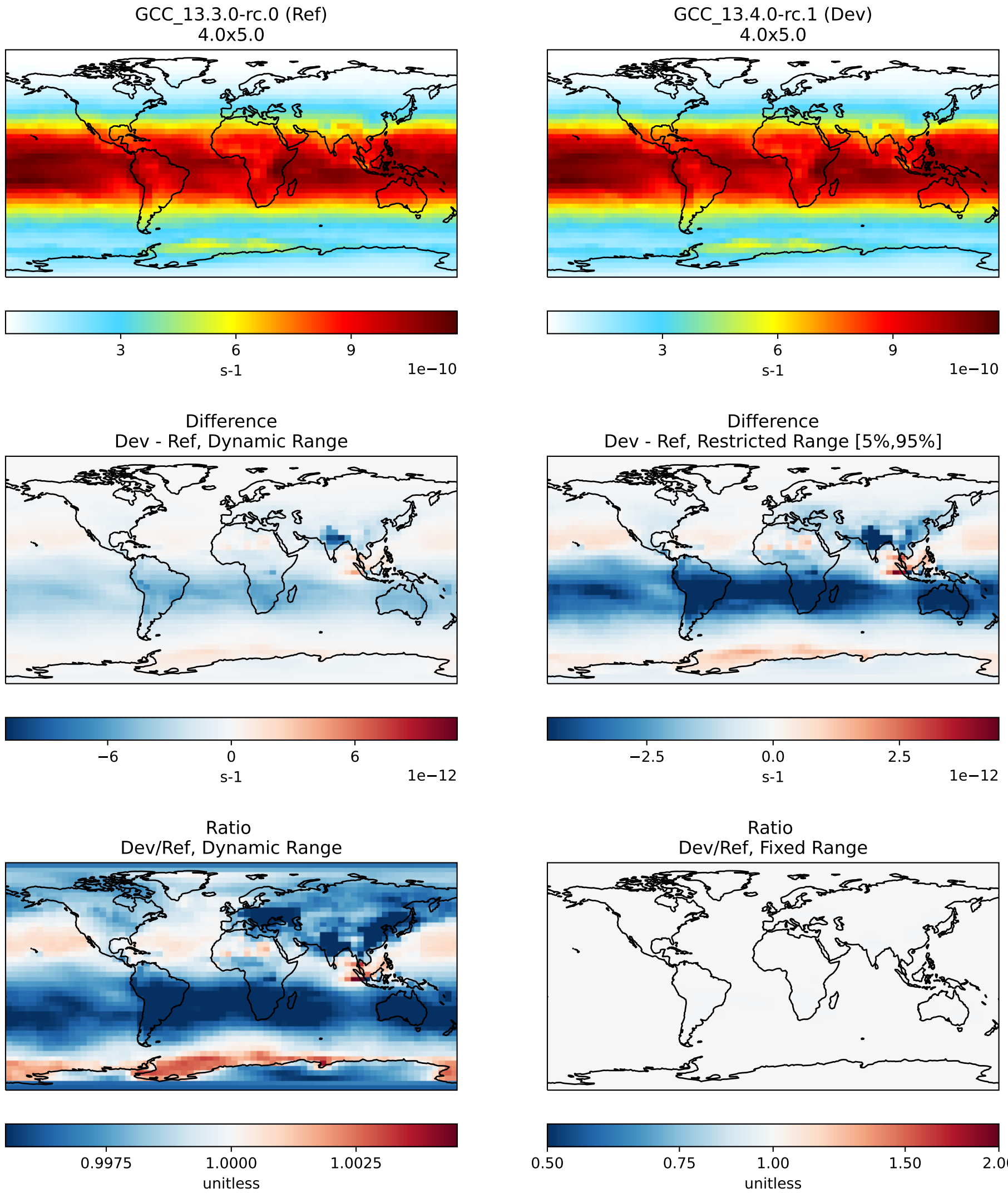
Jval_H1211 (Oct2019)



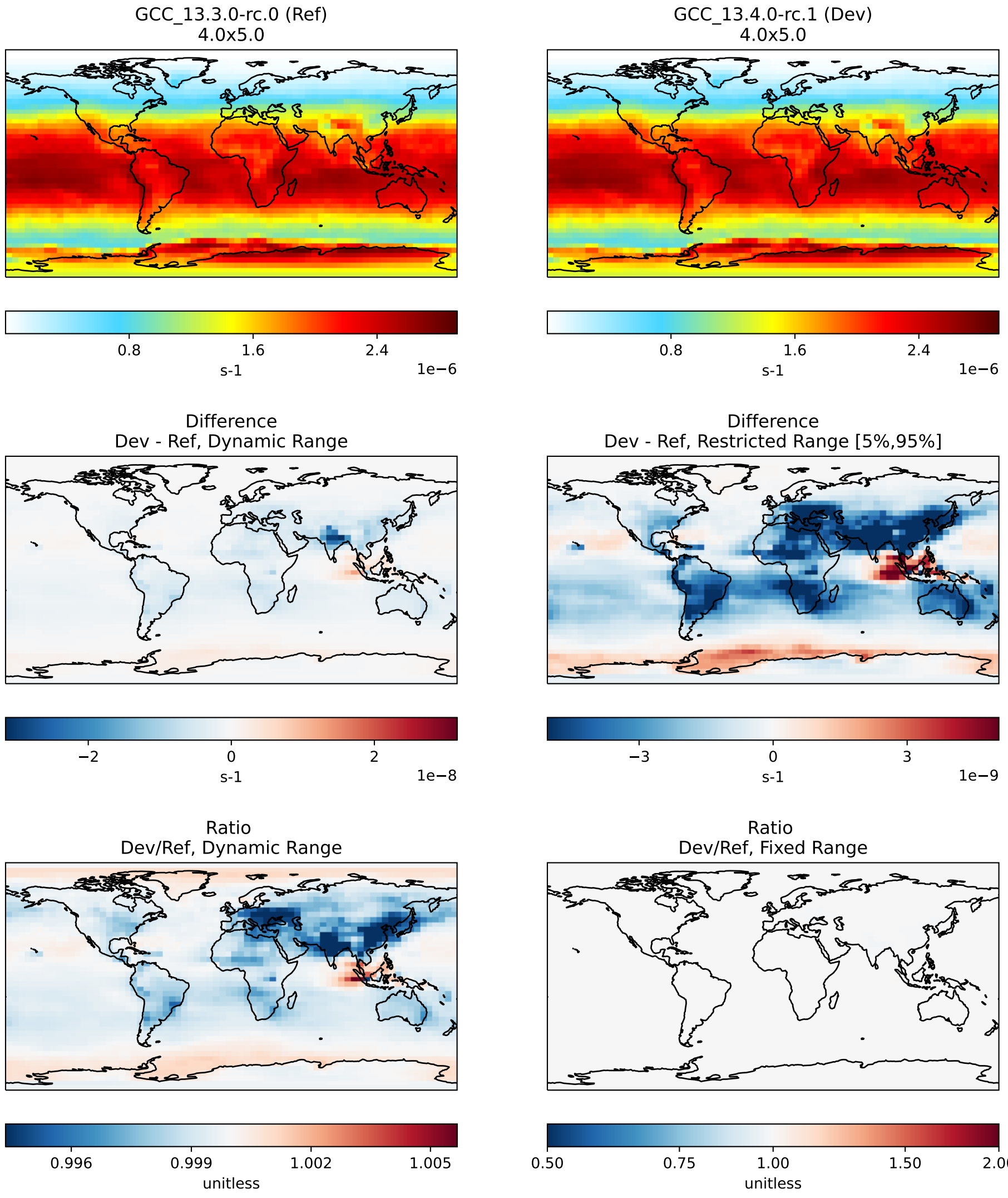
Jval_H1301 (Oct2019)



Jval_H2402 (Oct2019)

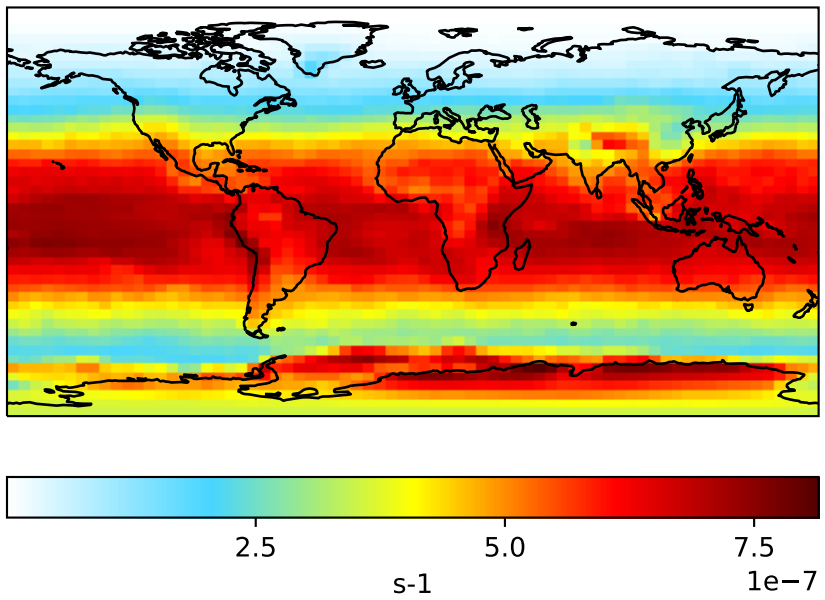


Jval_H2O2 (Oct2019)

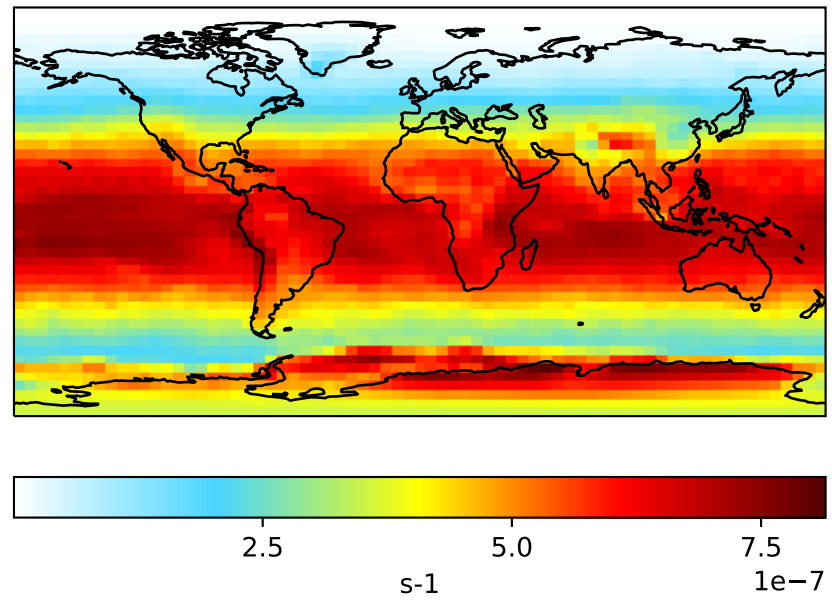


Jval_HAC (Oct2019)

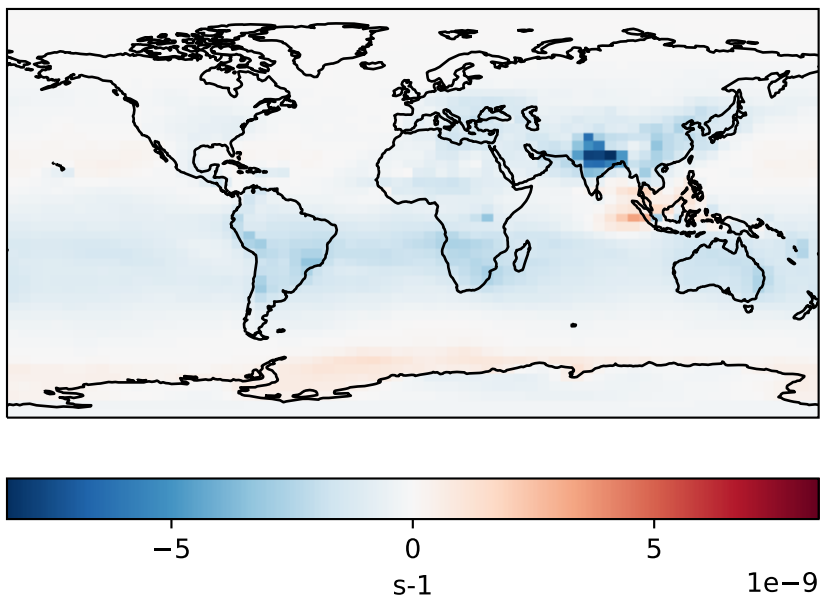
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



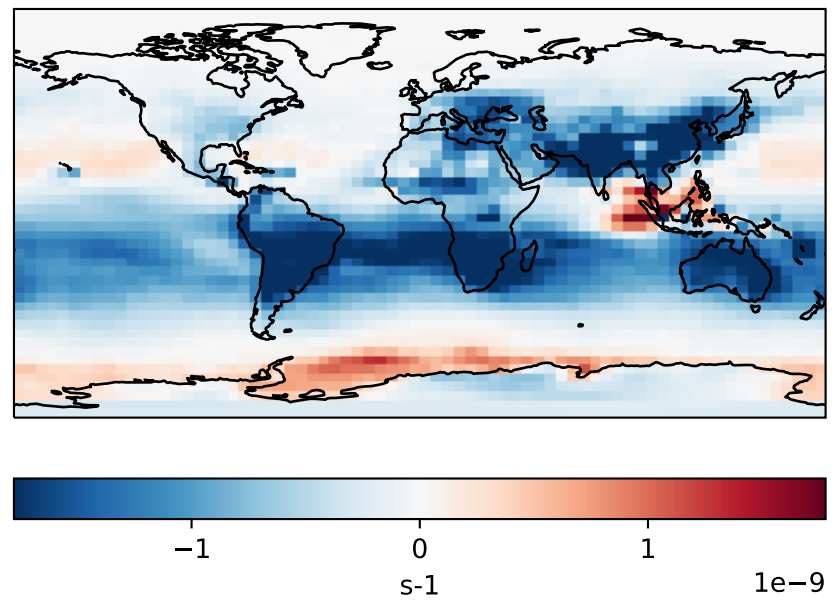
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



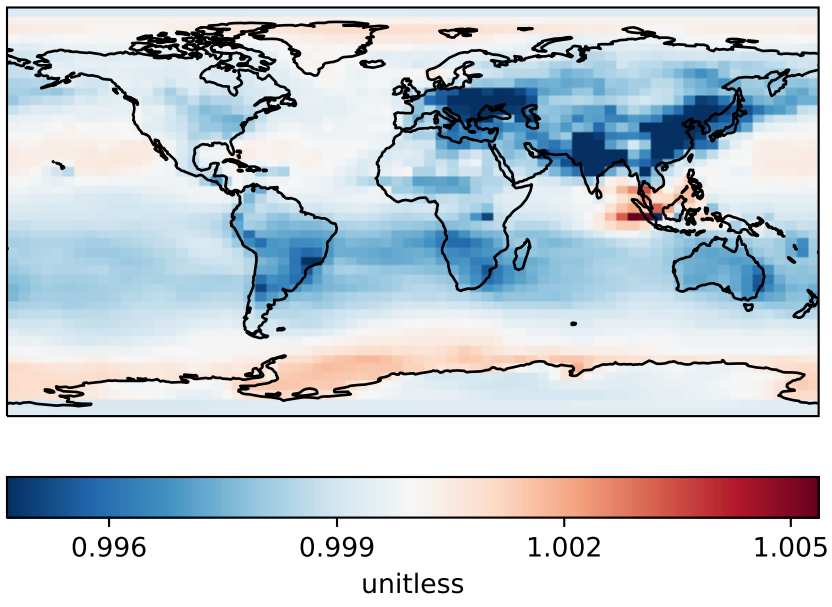
Difference
Dev - Ref, Dynamic Range



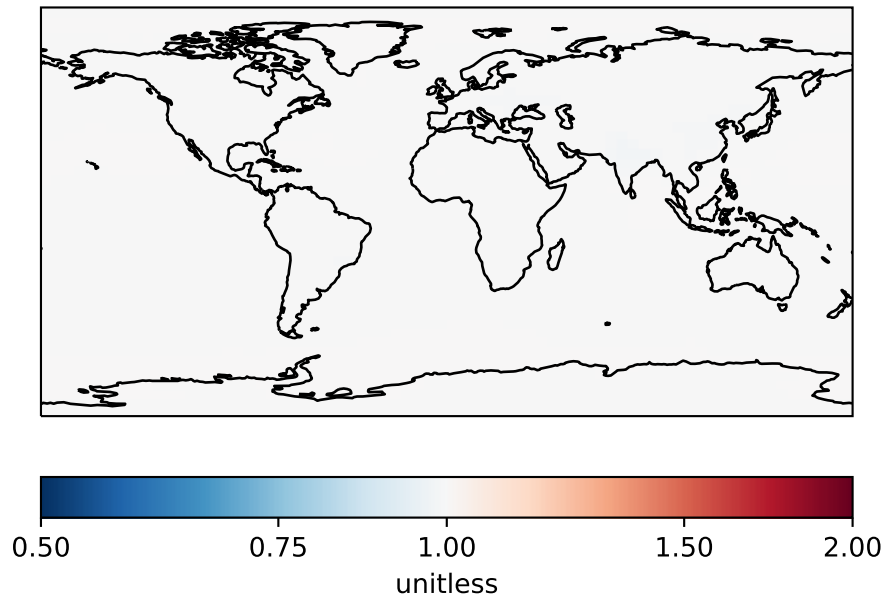
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

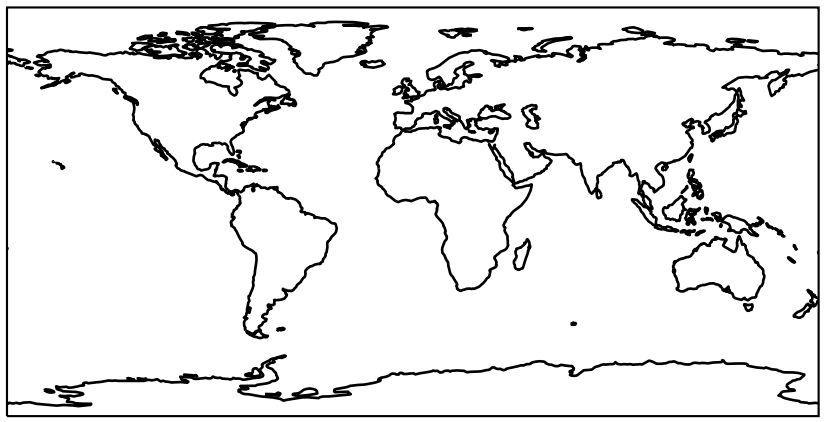


Ratio
Dev/Ref, Fixed Range



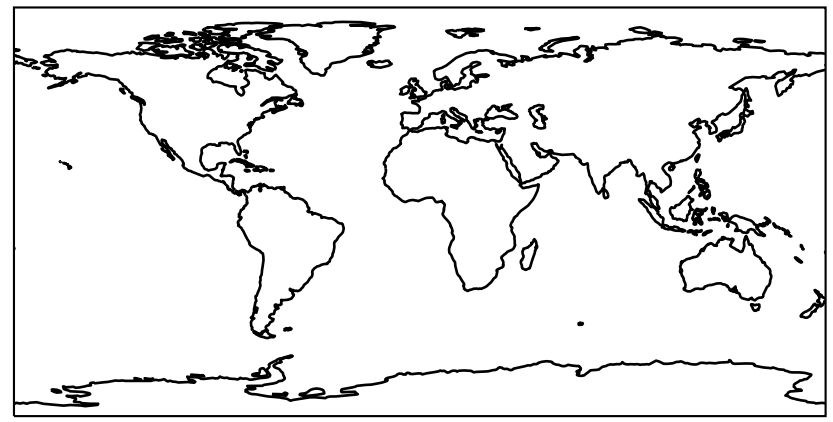
Jval_HC5A (Oct2019)

GCC_13.3.0-rc.0 (Ref)
4.0x5.0



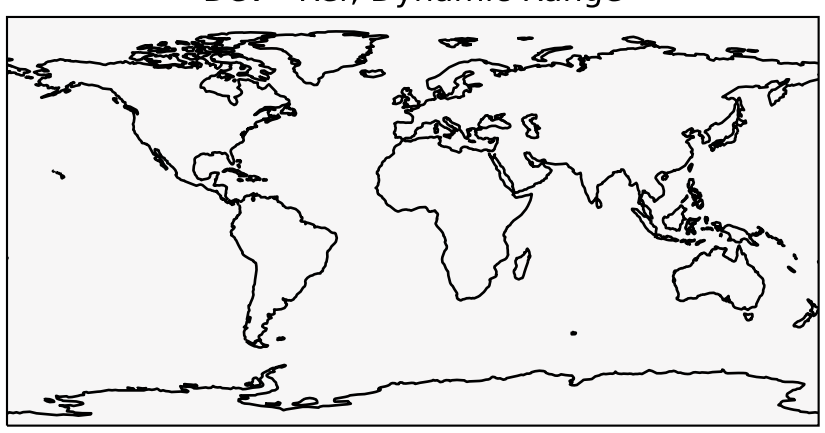
Zero throughout domain
s-1

GCC_13.4.0-rc.1 (Dev)
4.0x5.0



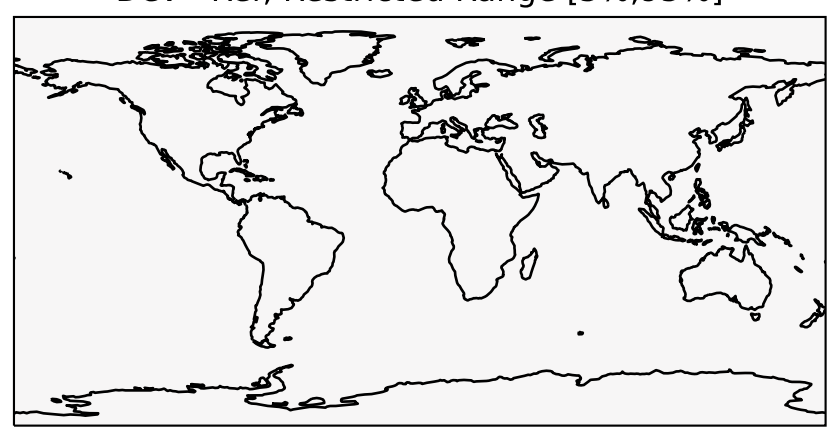
Zero throughout domain
s-1

Difference
Dev - Ref, Dynamic Range



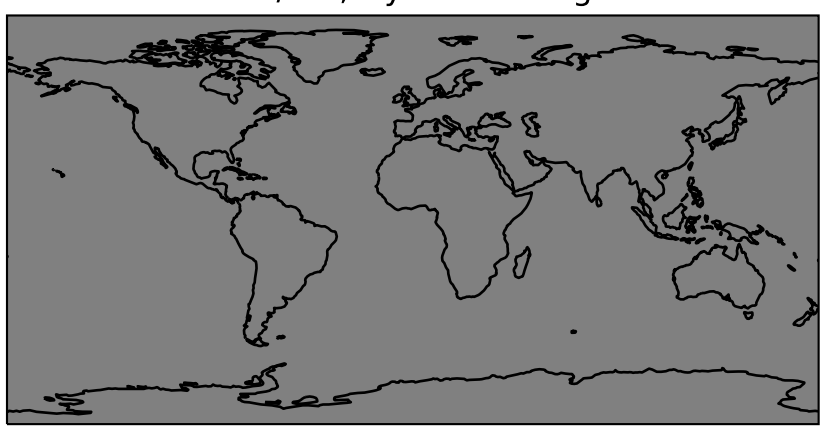
Zero throughout domain
s-1

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



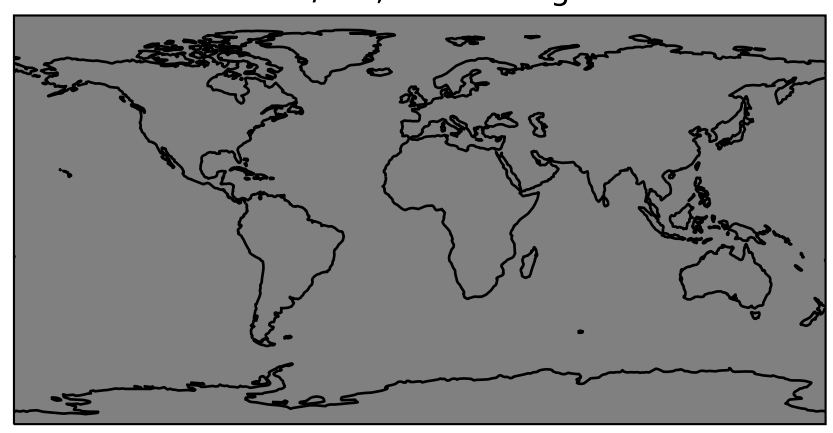
Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range



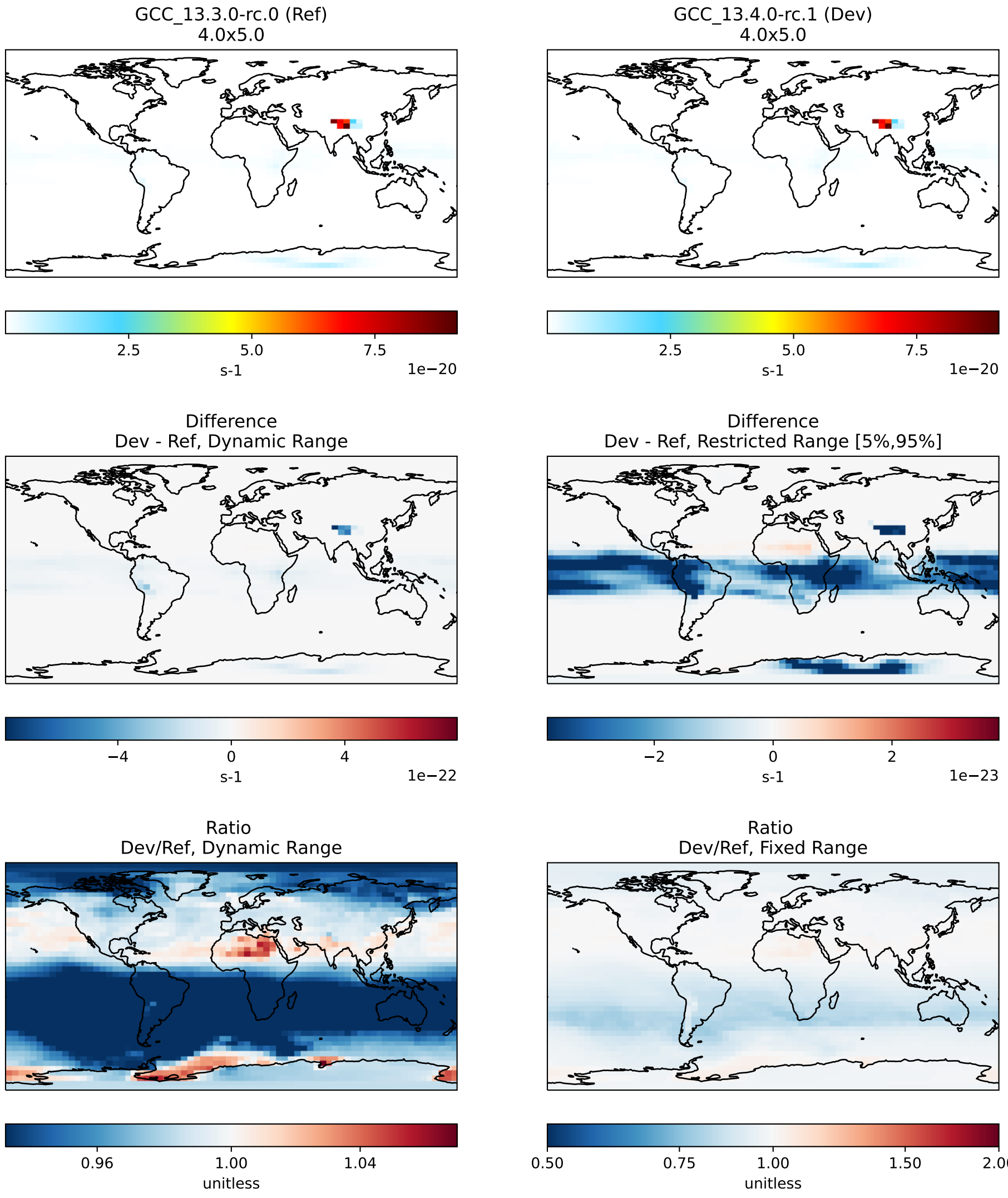
Undefined throughout domain
unitless

Ratio
Dev/Ref, Fixed Range

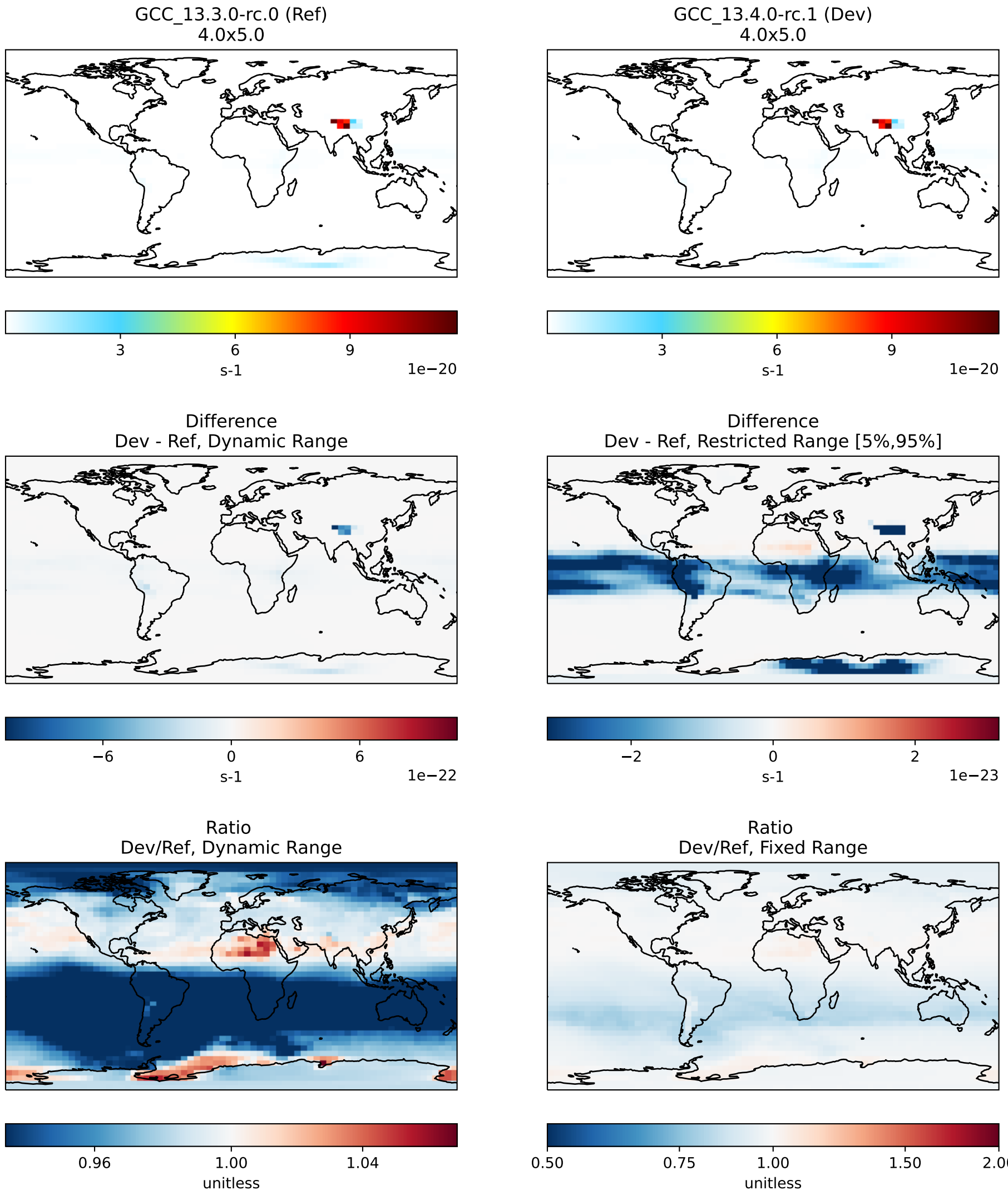


Undefined throughout domain
unitless

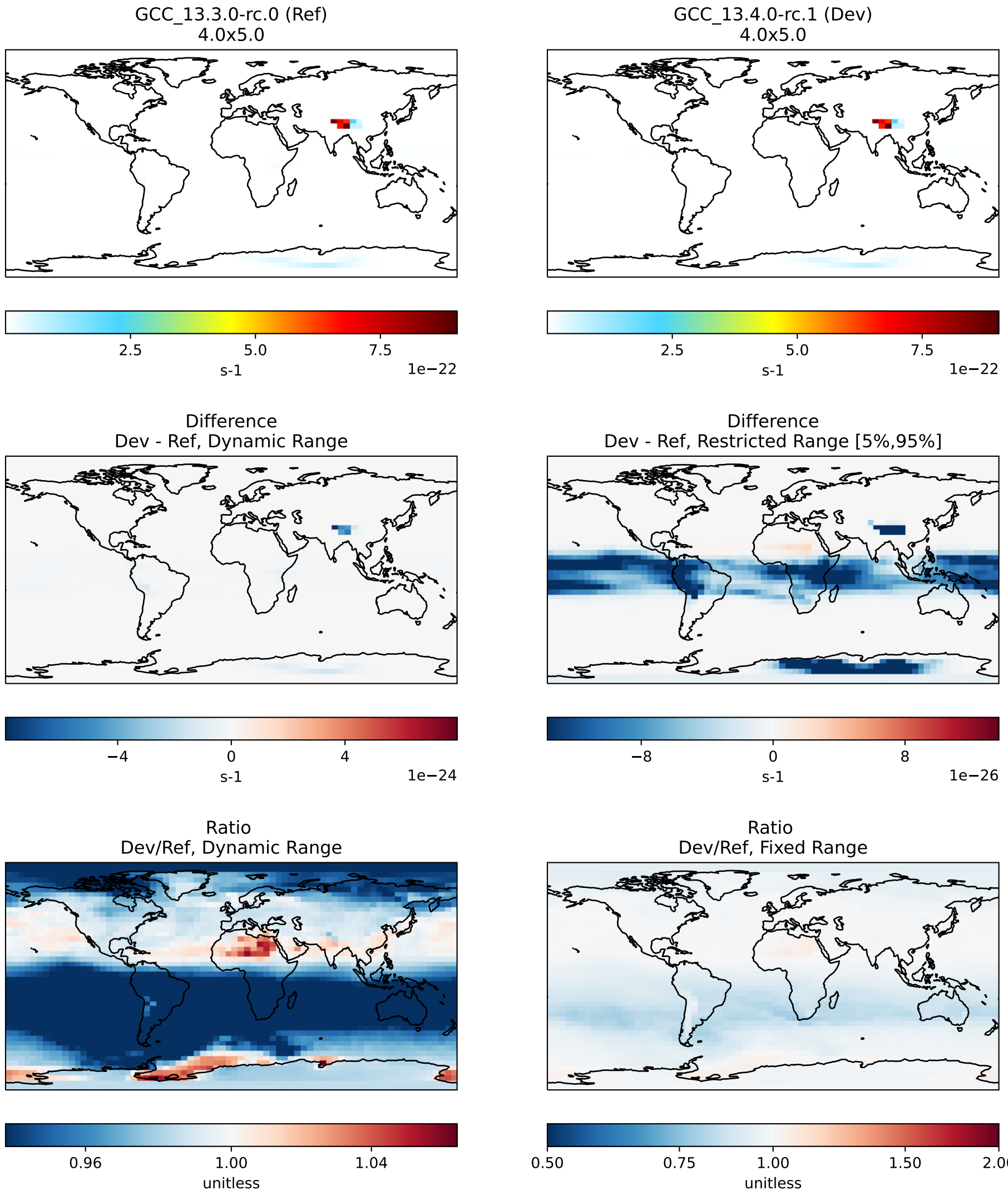
Jval_HCFC123 (Oct2019)



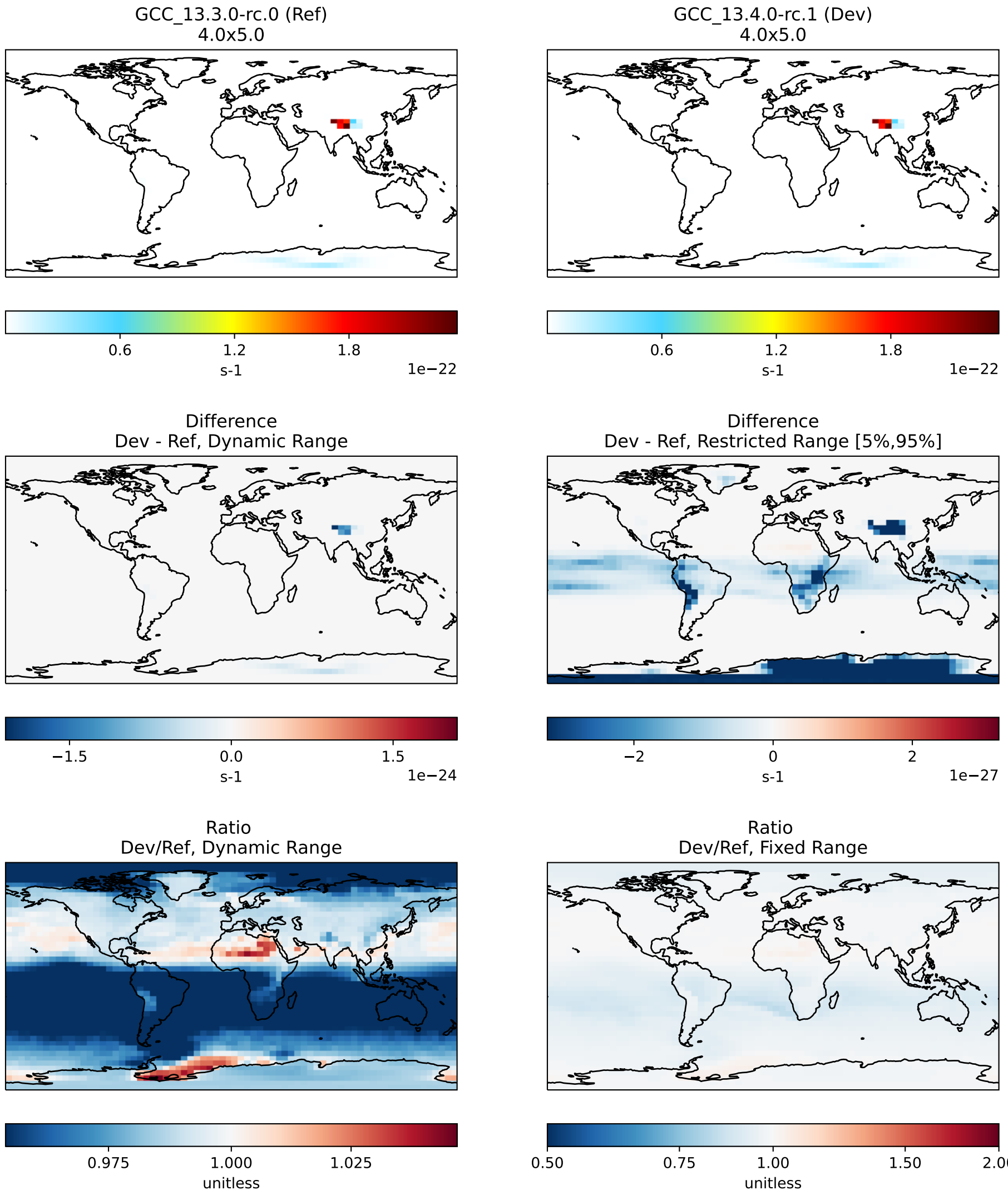
Jval_HCFC141b (Oct2019)



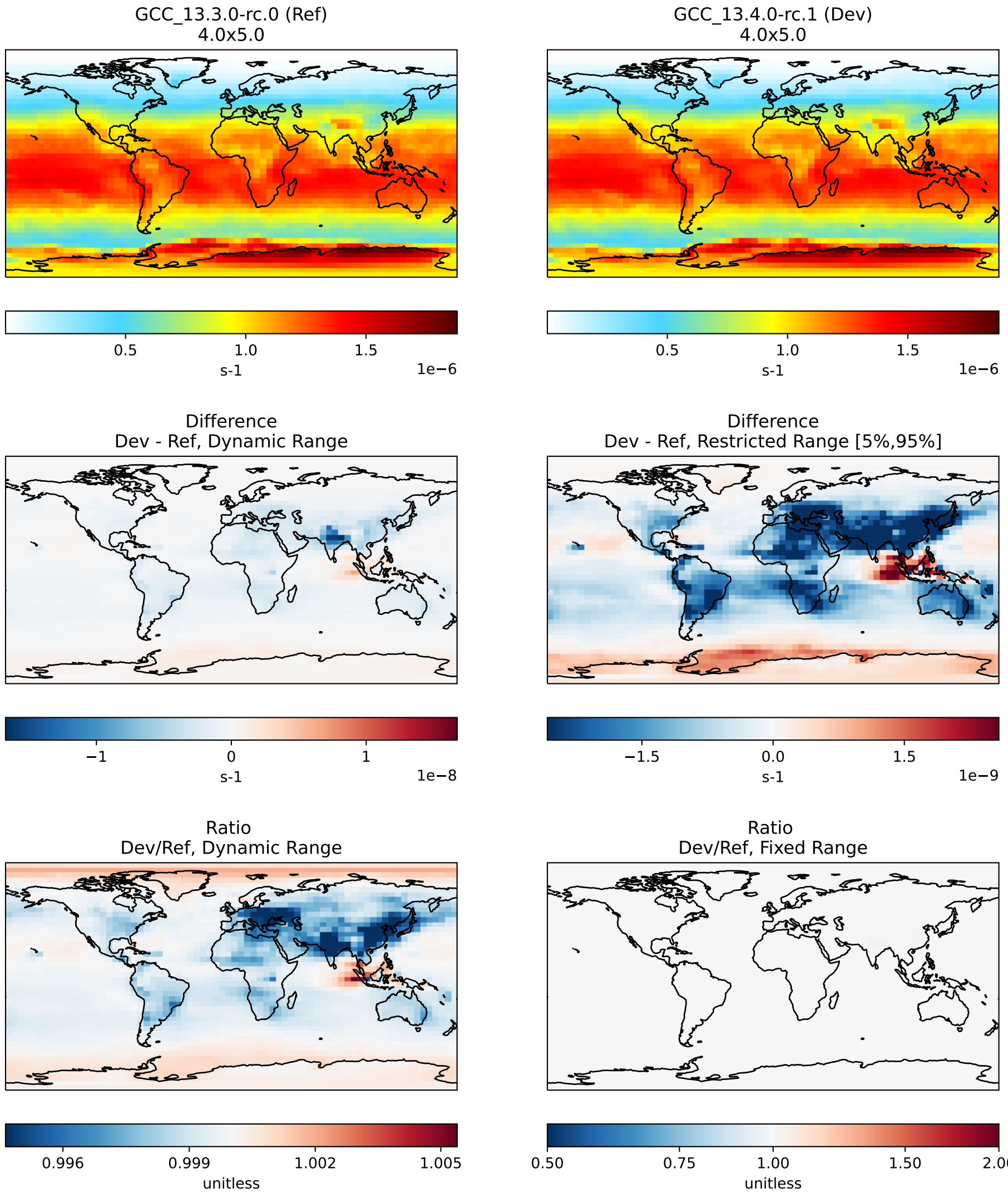
Jval_HCFC142b (Oct2019)



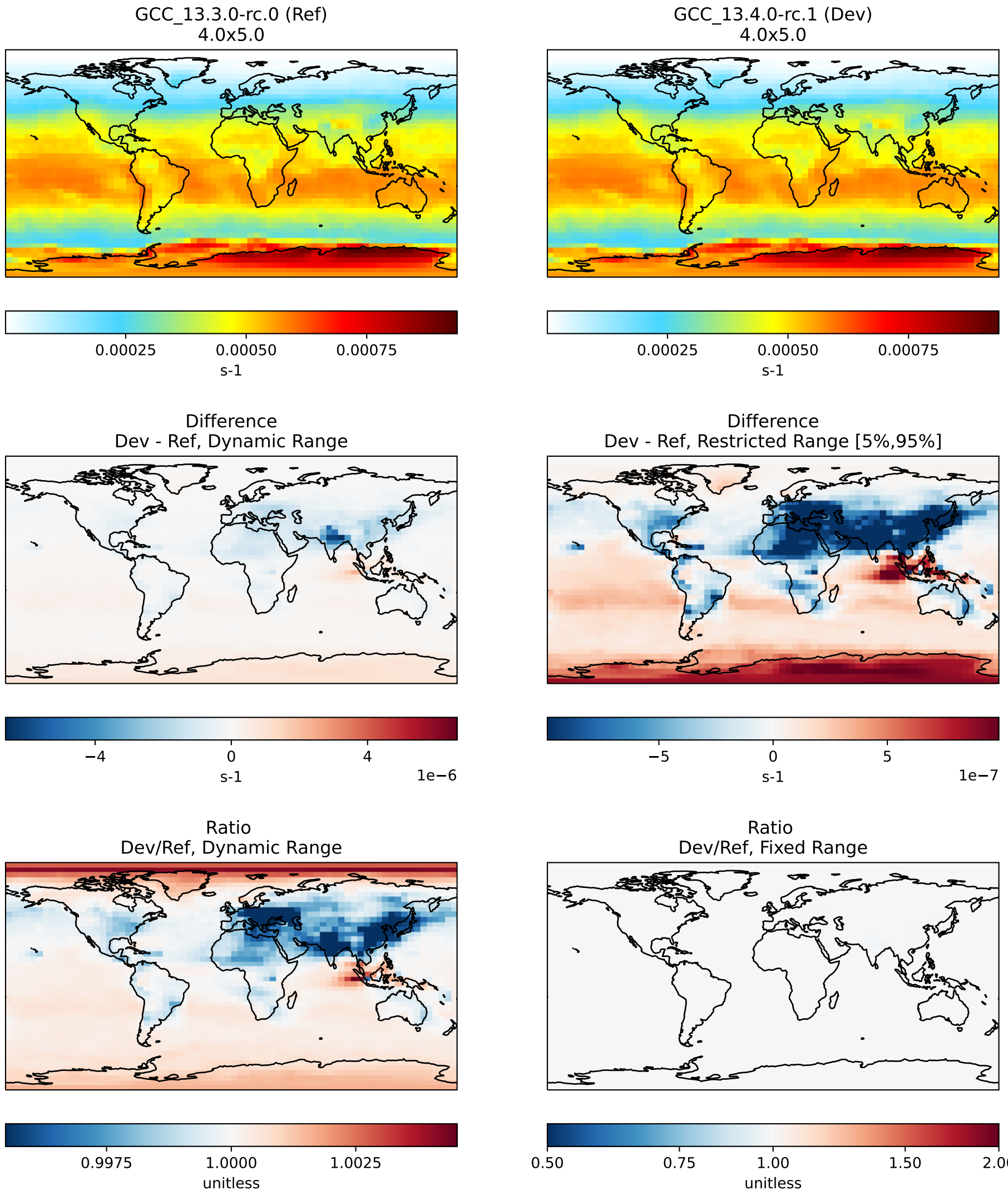
Jval_HCFC22 (Oct2019)



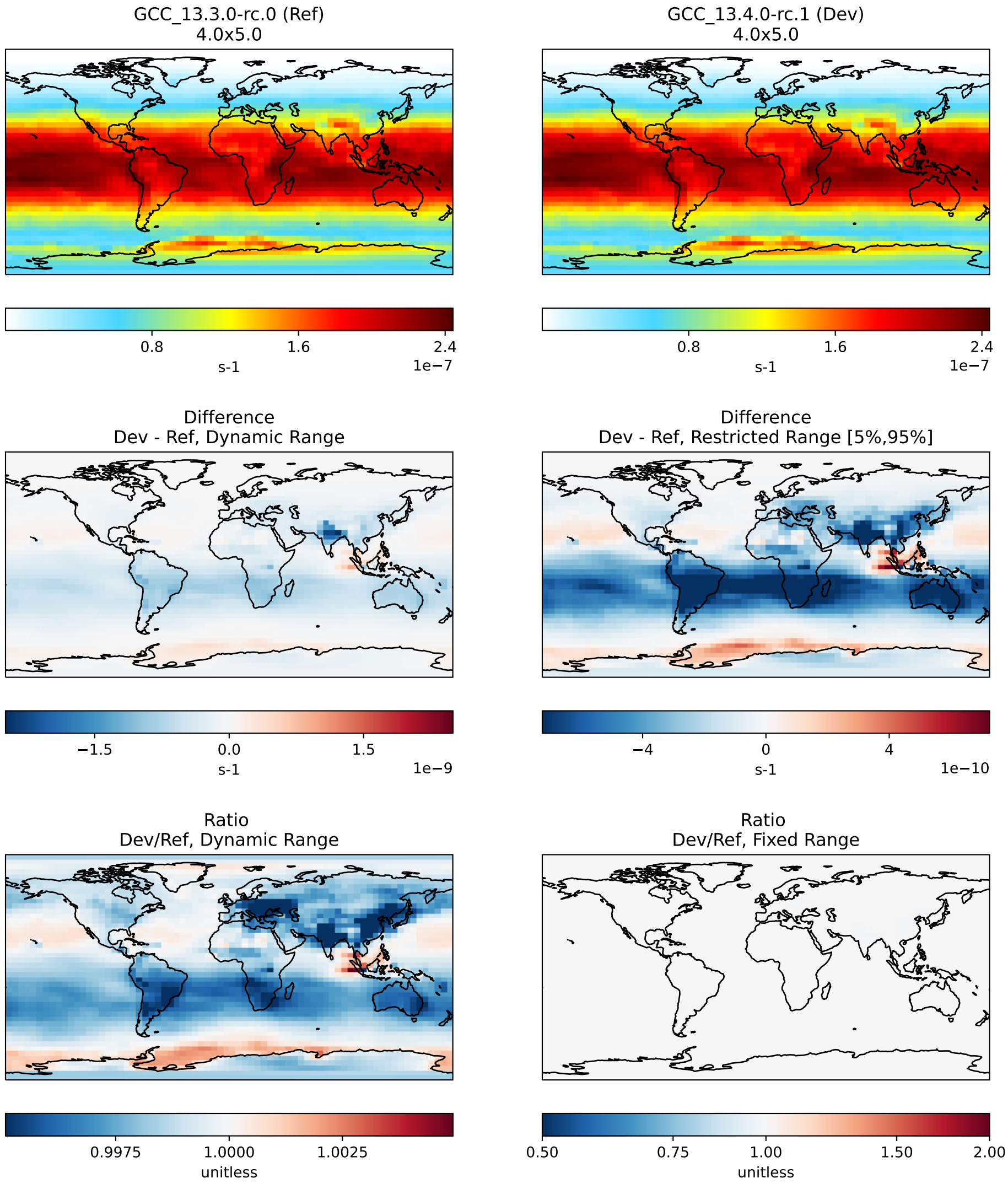
Jval_HMHP (Oct2019)



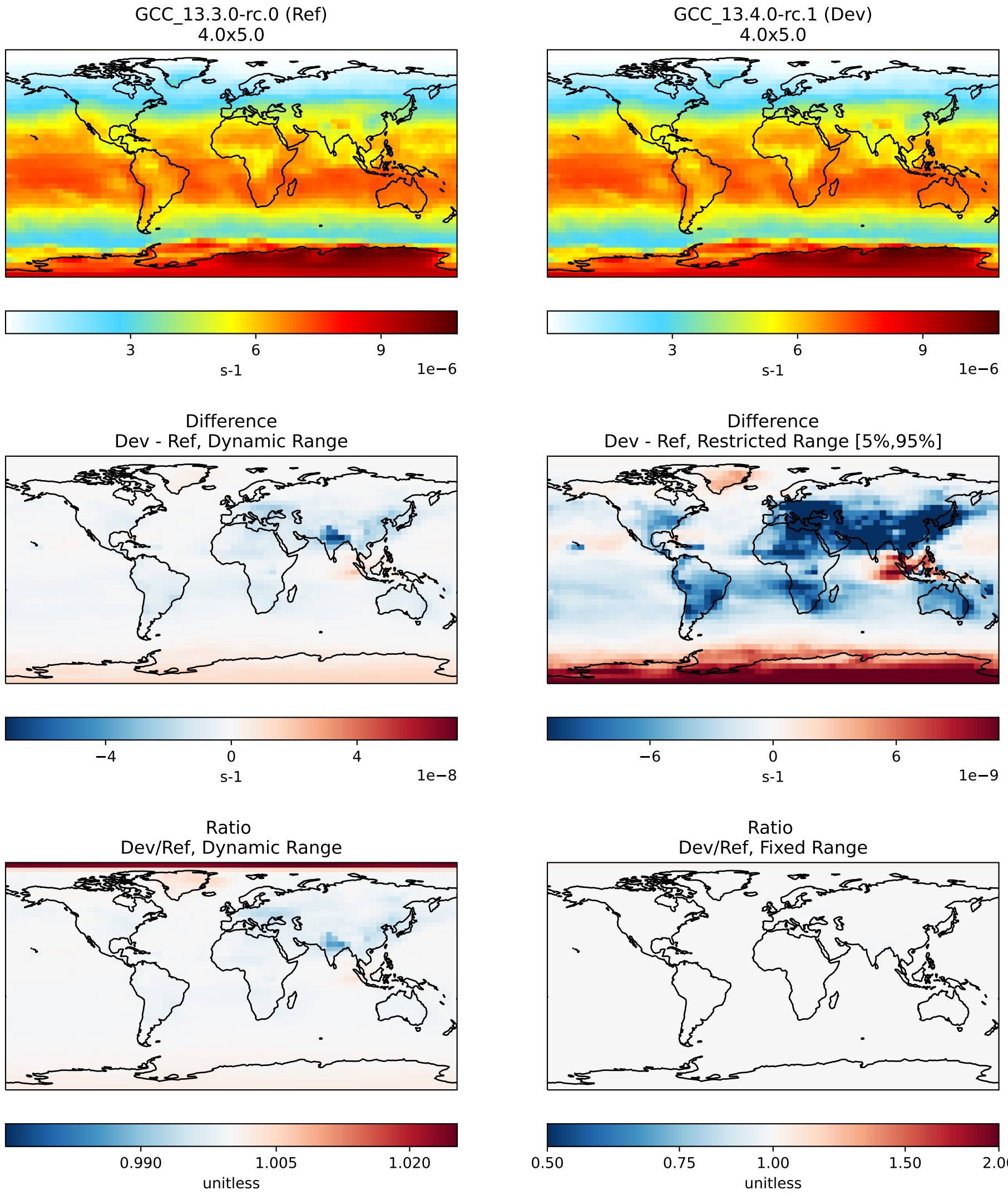
Jval_HNO2 (Oct2019)



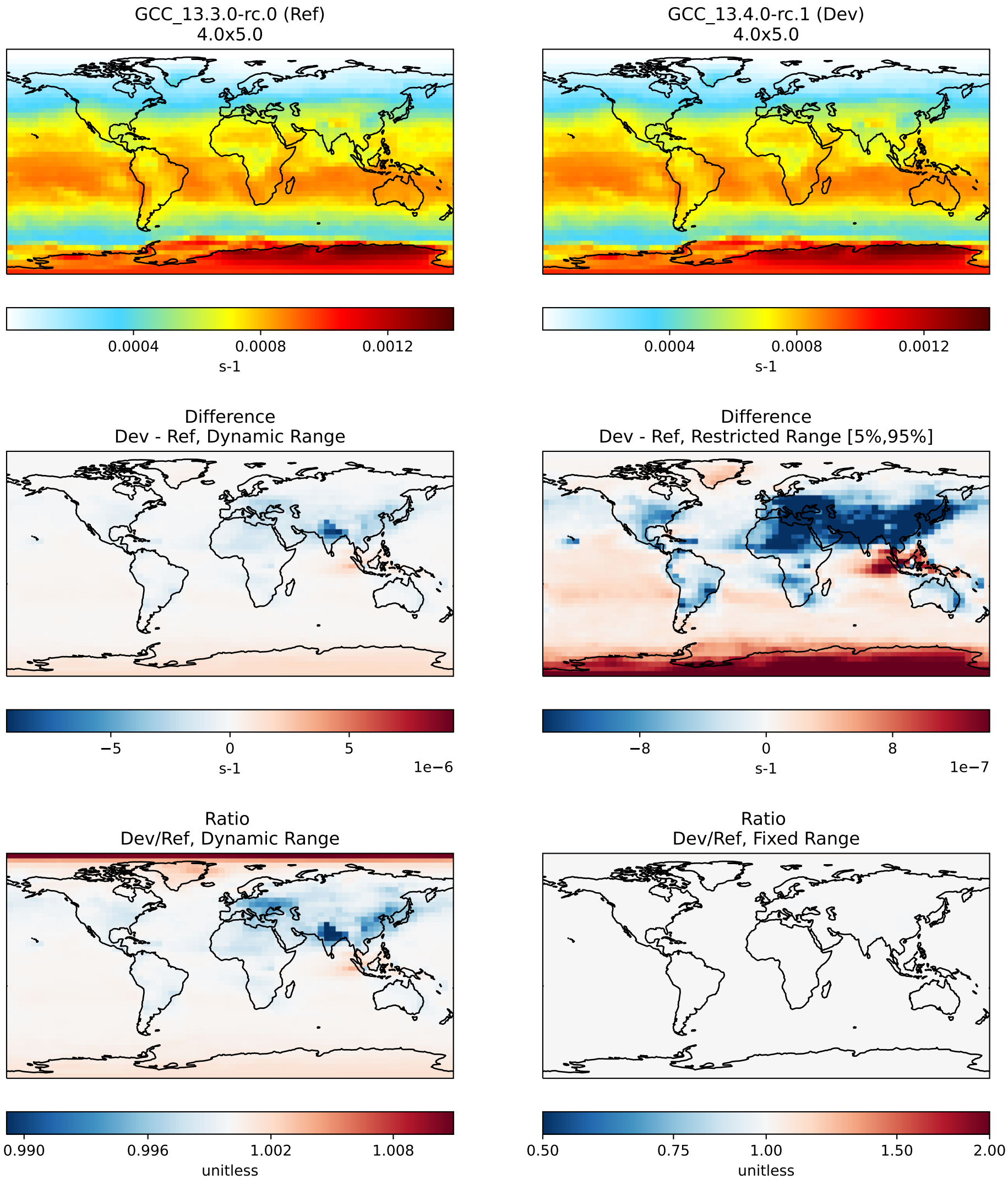
Jval_HNO3 (Oct2019)



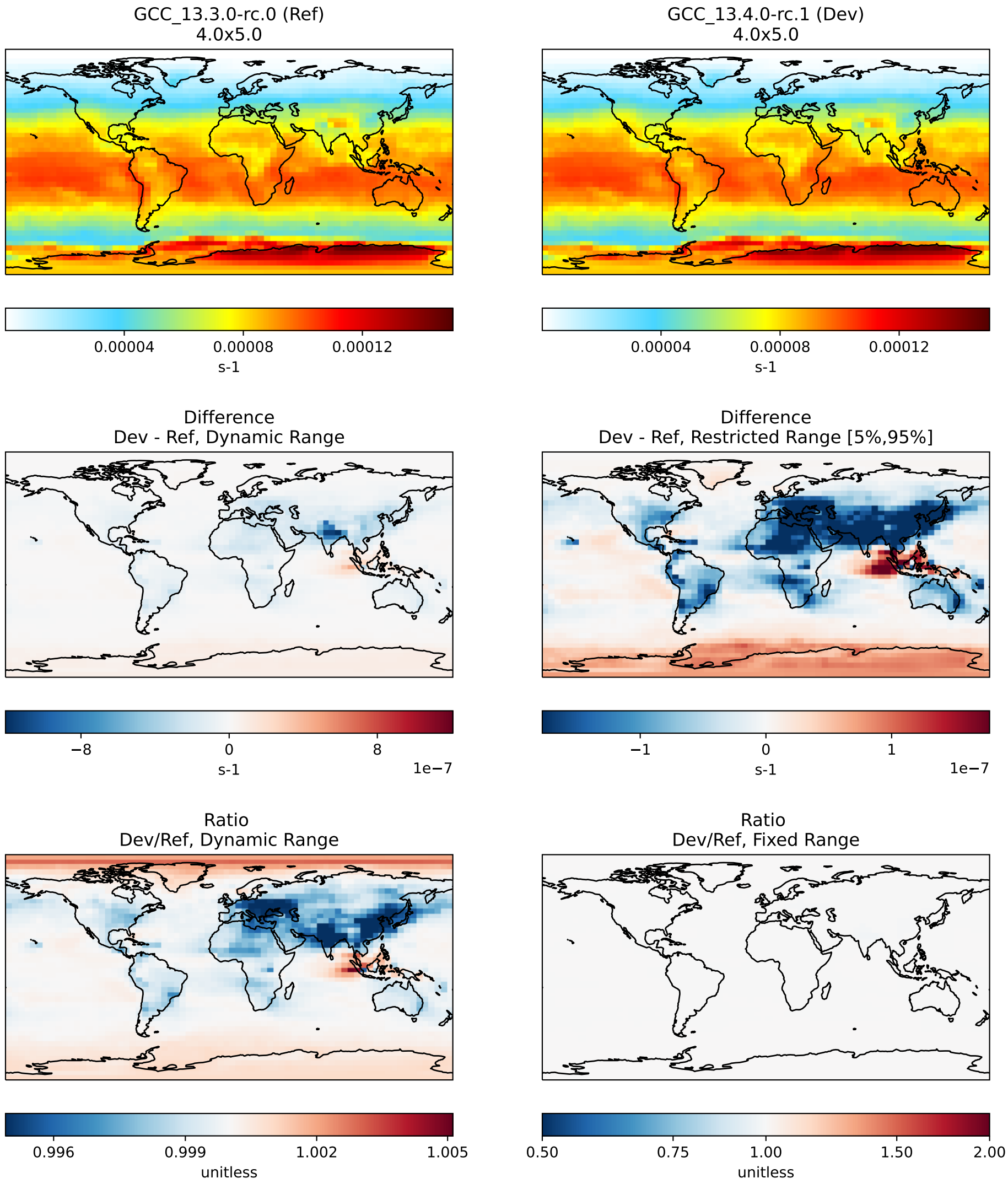
Jval_HNO4 (Oct2019)



Jval_HOBr (Oct2019)

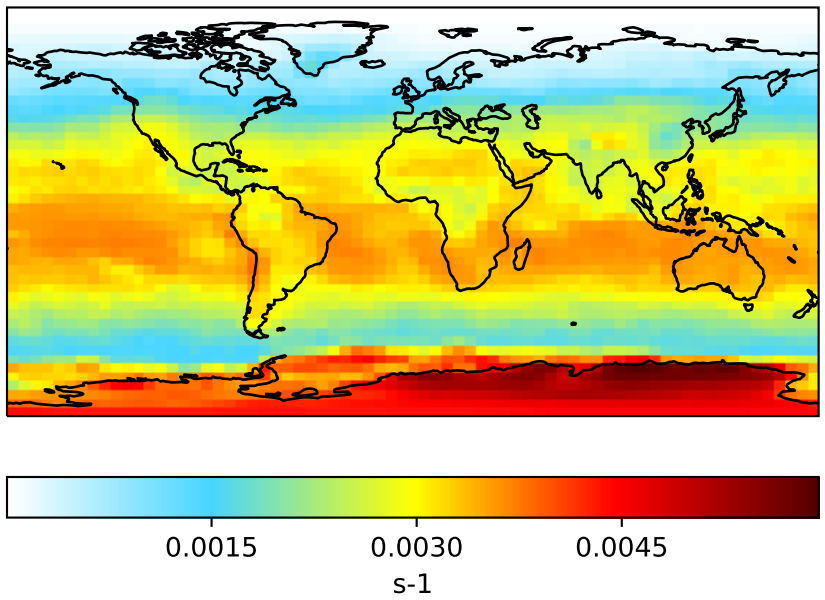


Jval_HOCl (Oct2019)

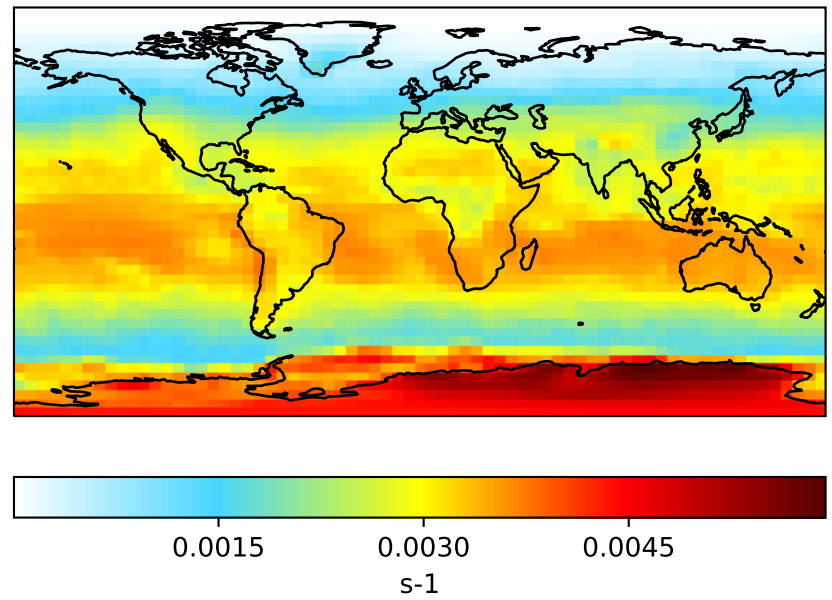


Jval_HOI (Oct2019)

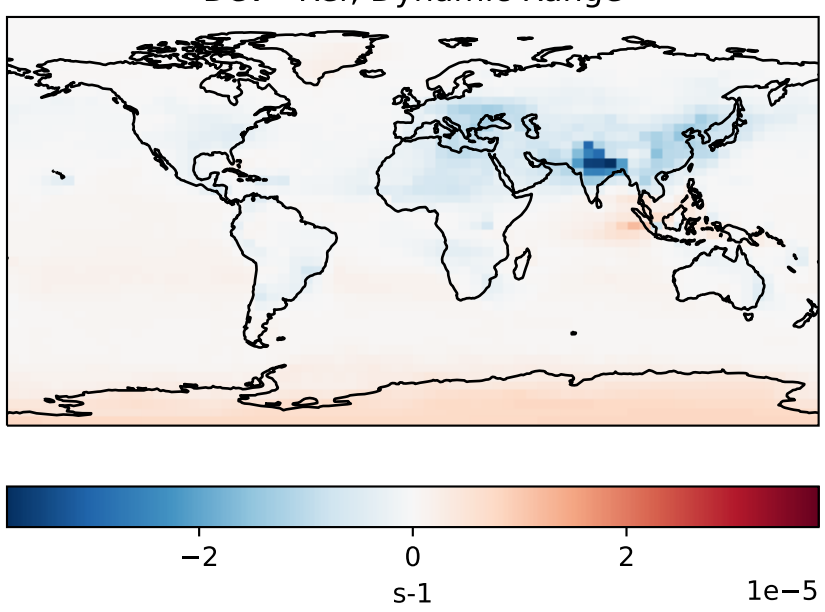
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



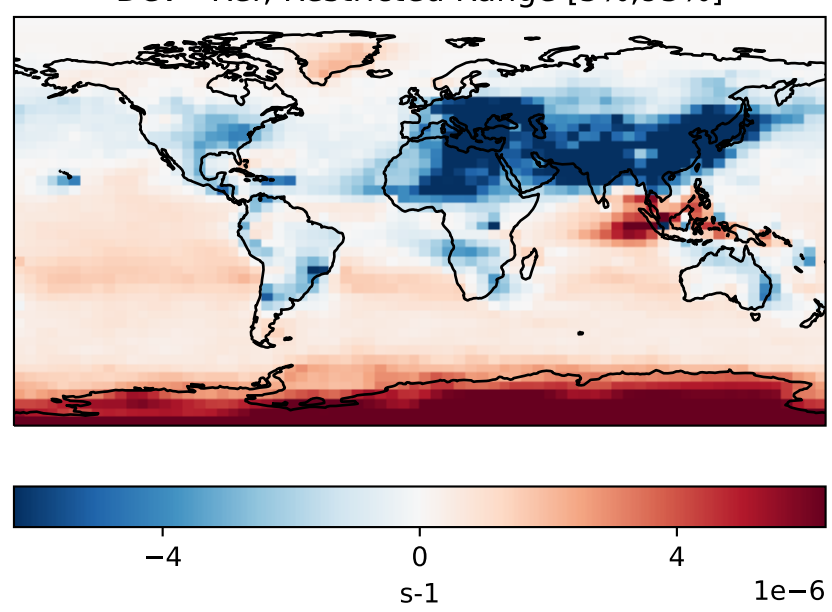
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



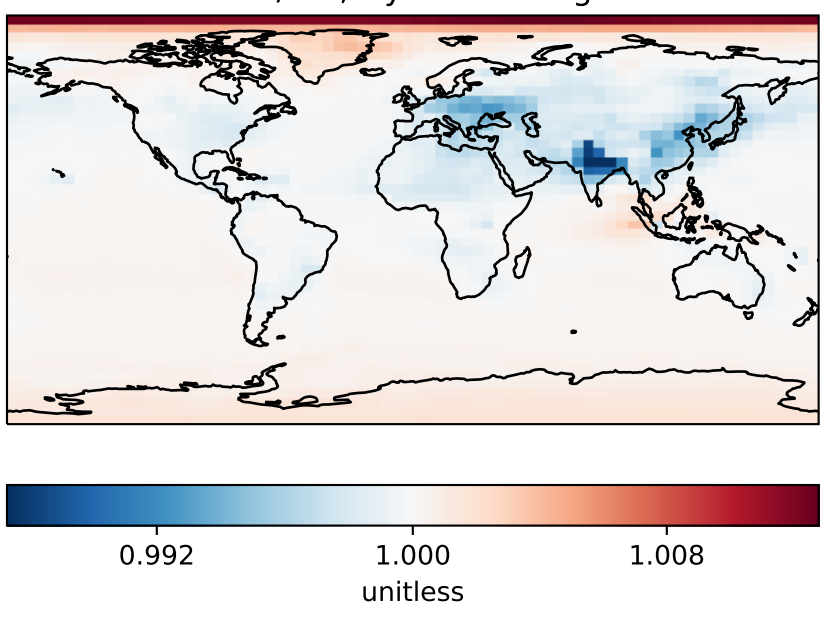
Difference
Dev - Ref, Dynamic Range



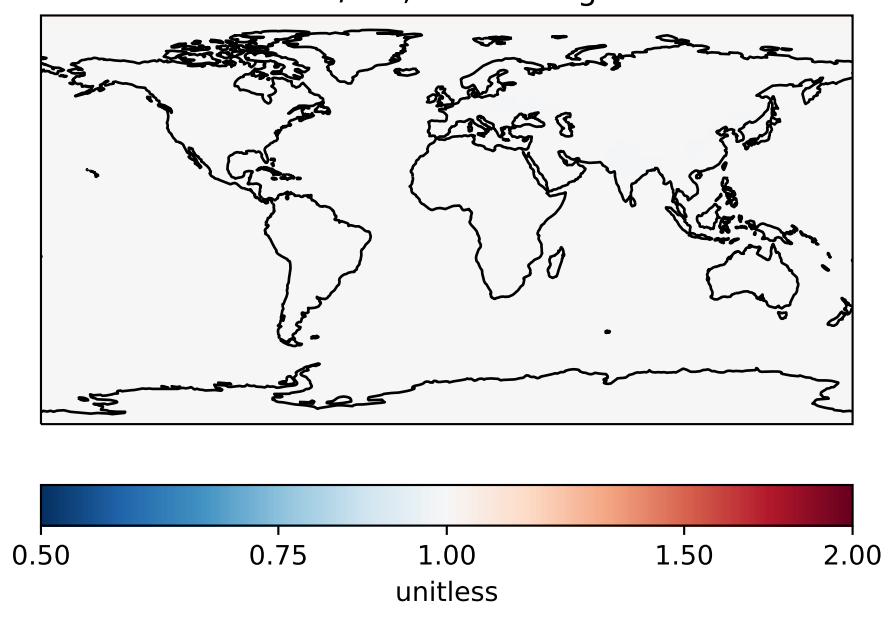
Difference
Dev - Ref, Restricted Range [5%,95%]



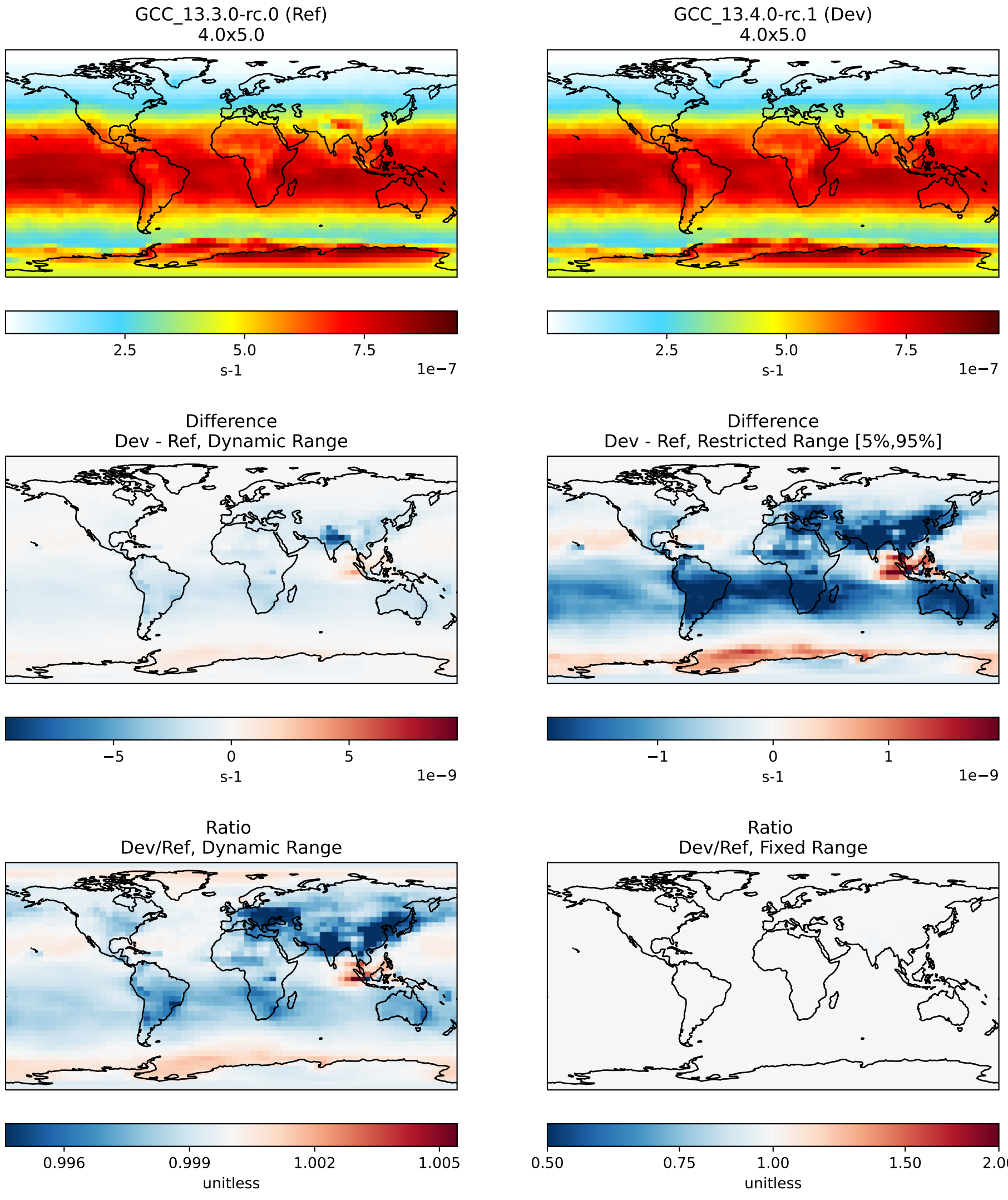
Ratio
Dev/Ref, Dynamic Range



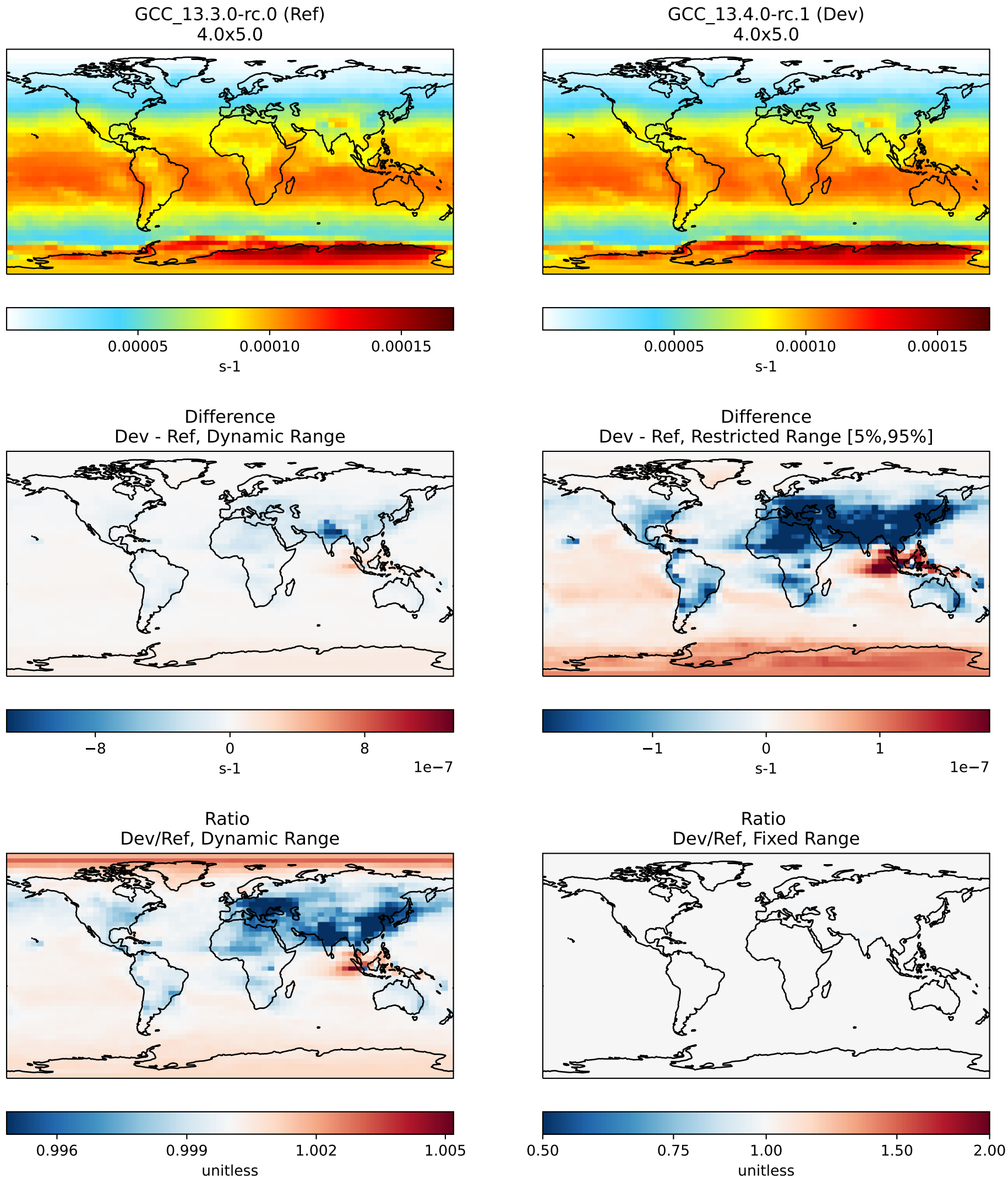
Ratio
Dev/Ref, Fixed Range



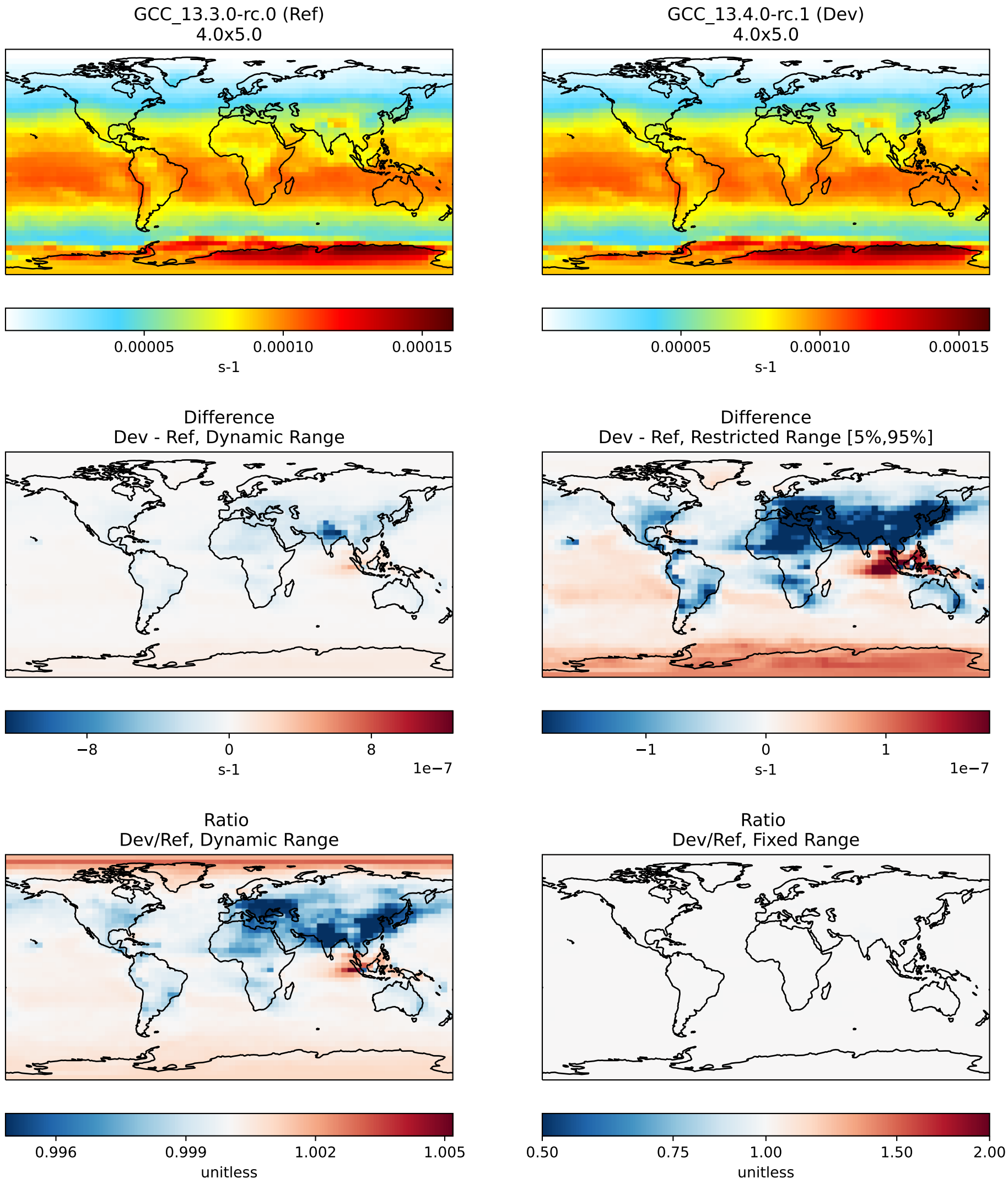
Jval_HONIT (Oct2019)



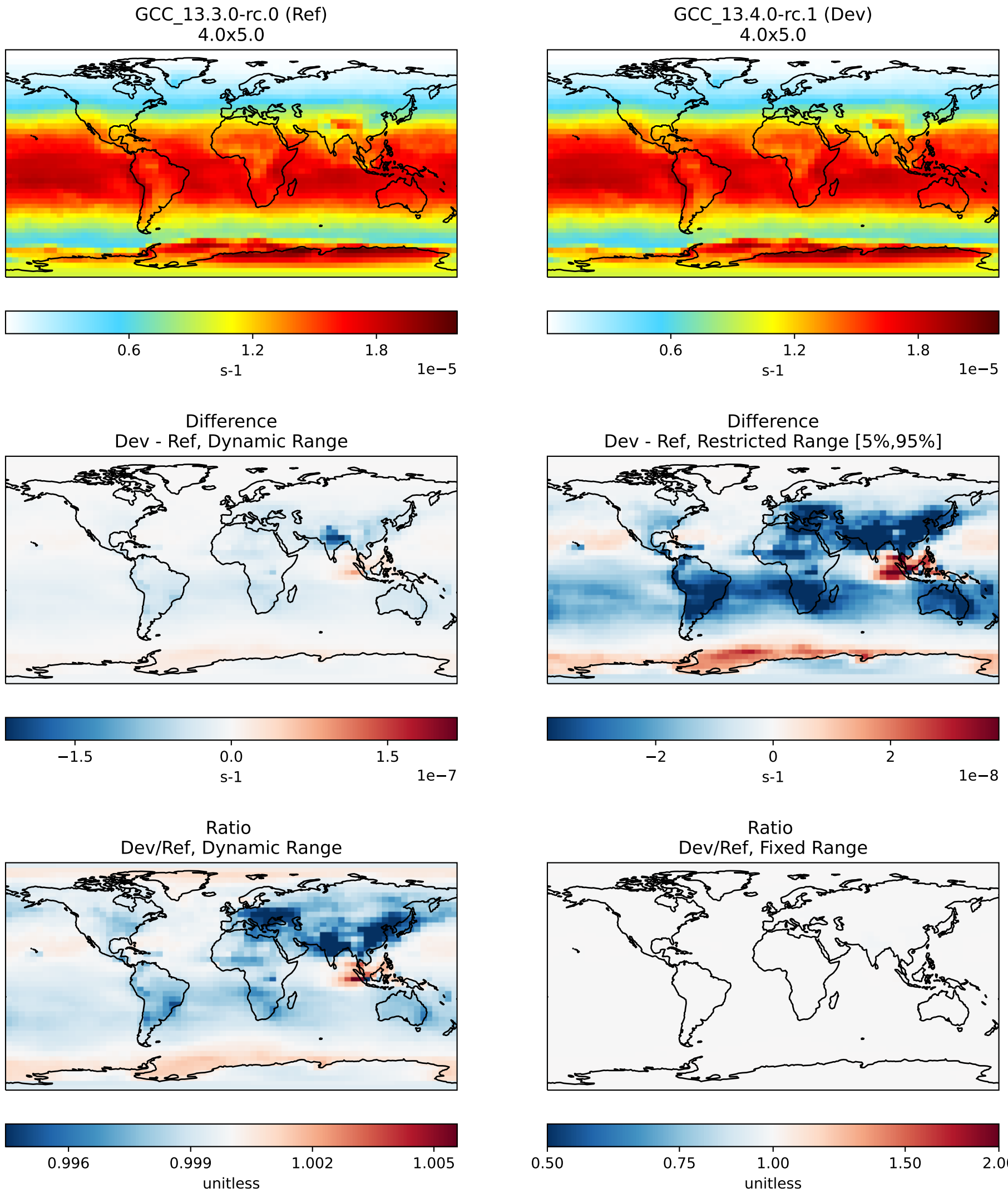
Jval_HPALD1 (Oct2019)



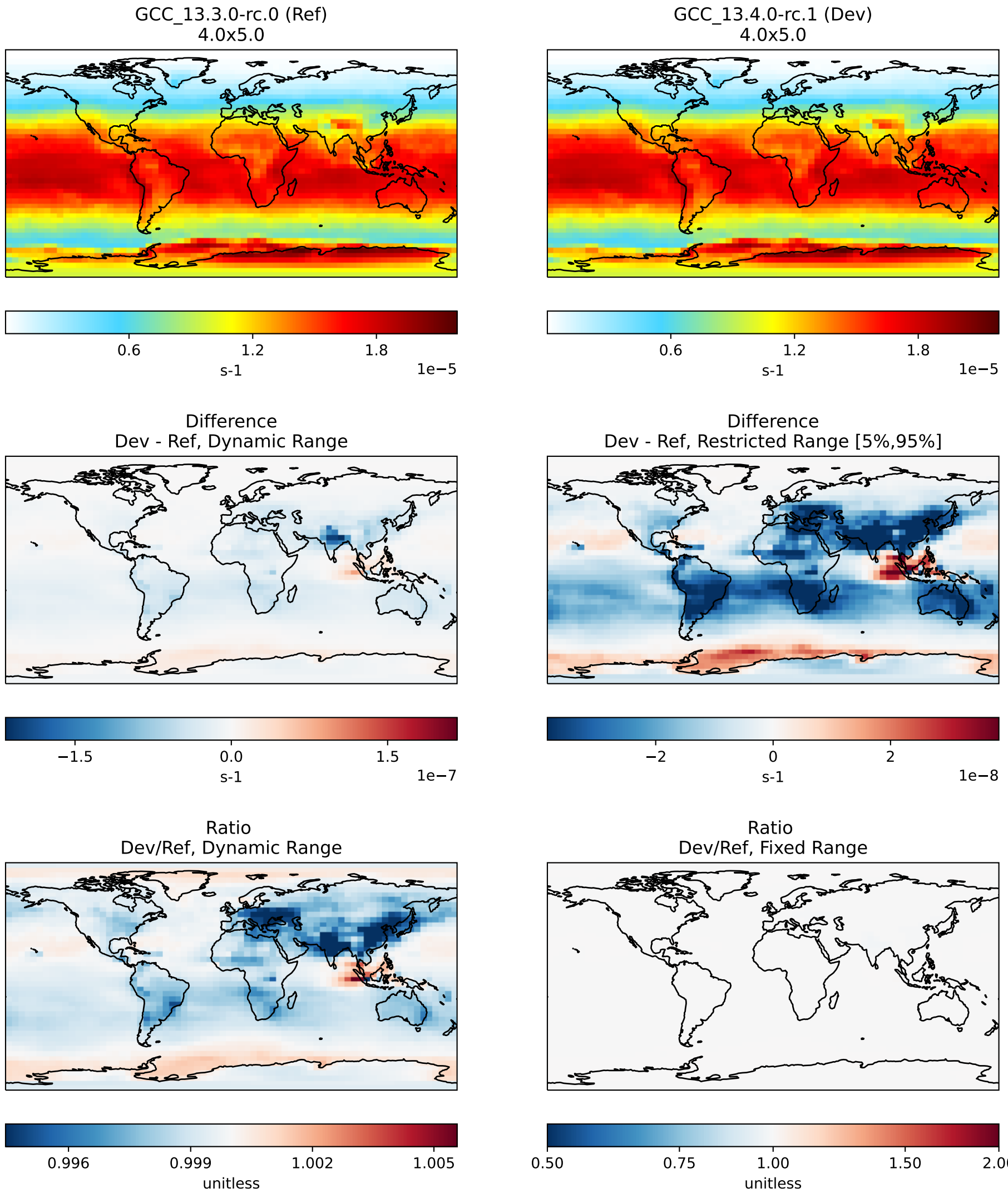
Jval_HPALD2 (Oct2019)



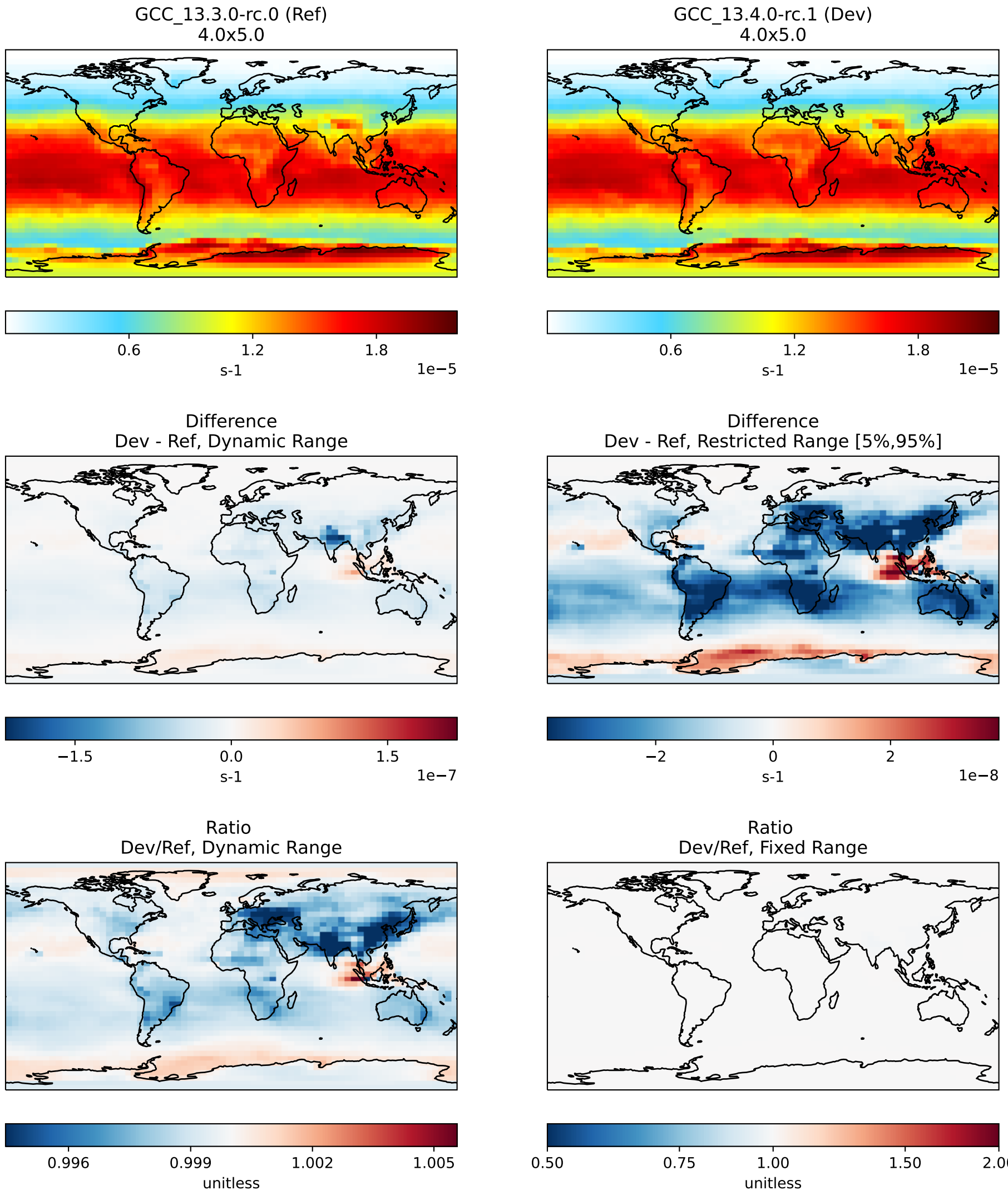
Jval_HPALD3 (Oct2019)



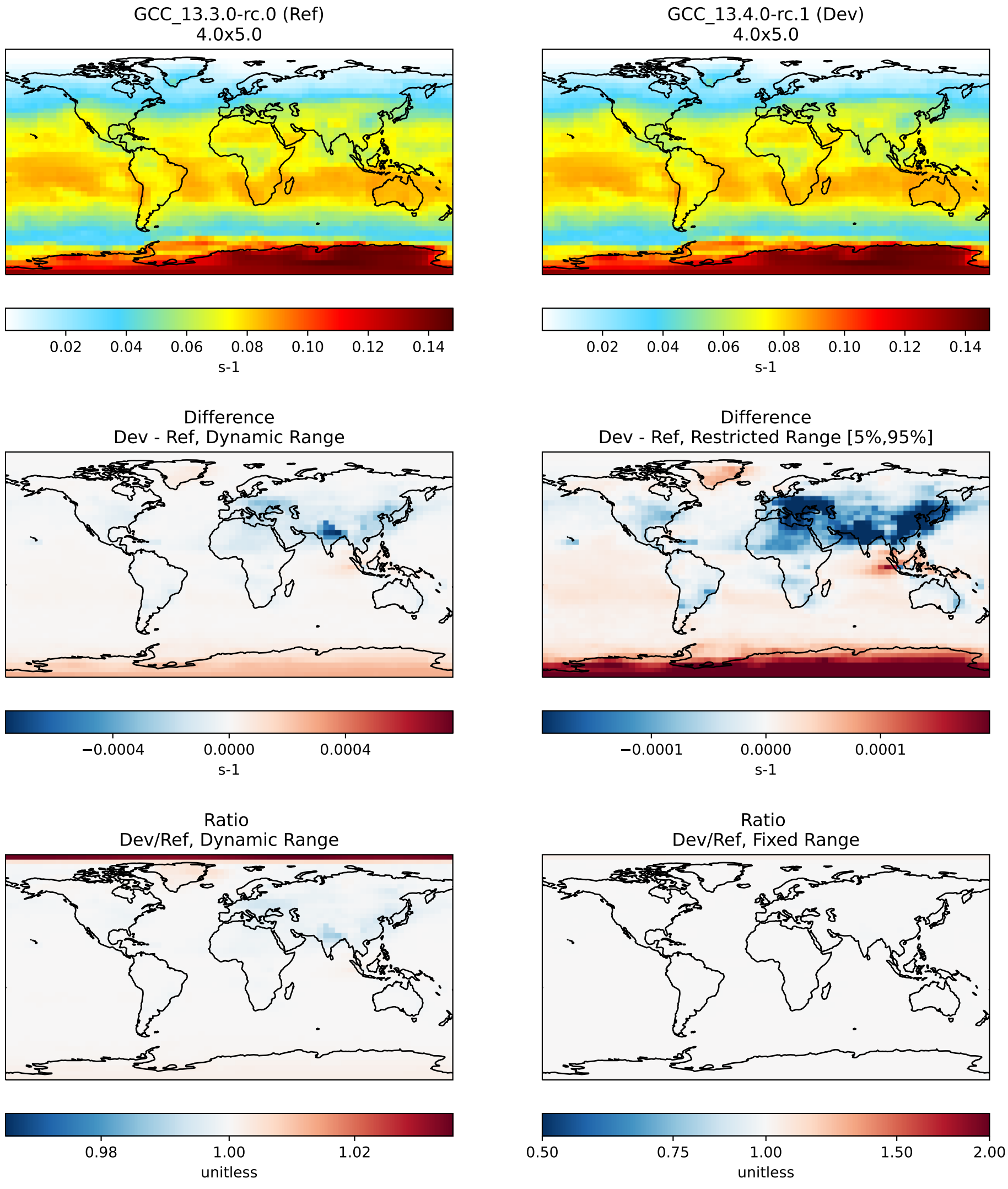
Jval_HPALD4 (Oct2019)



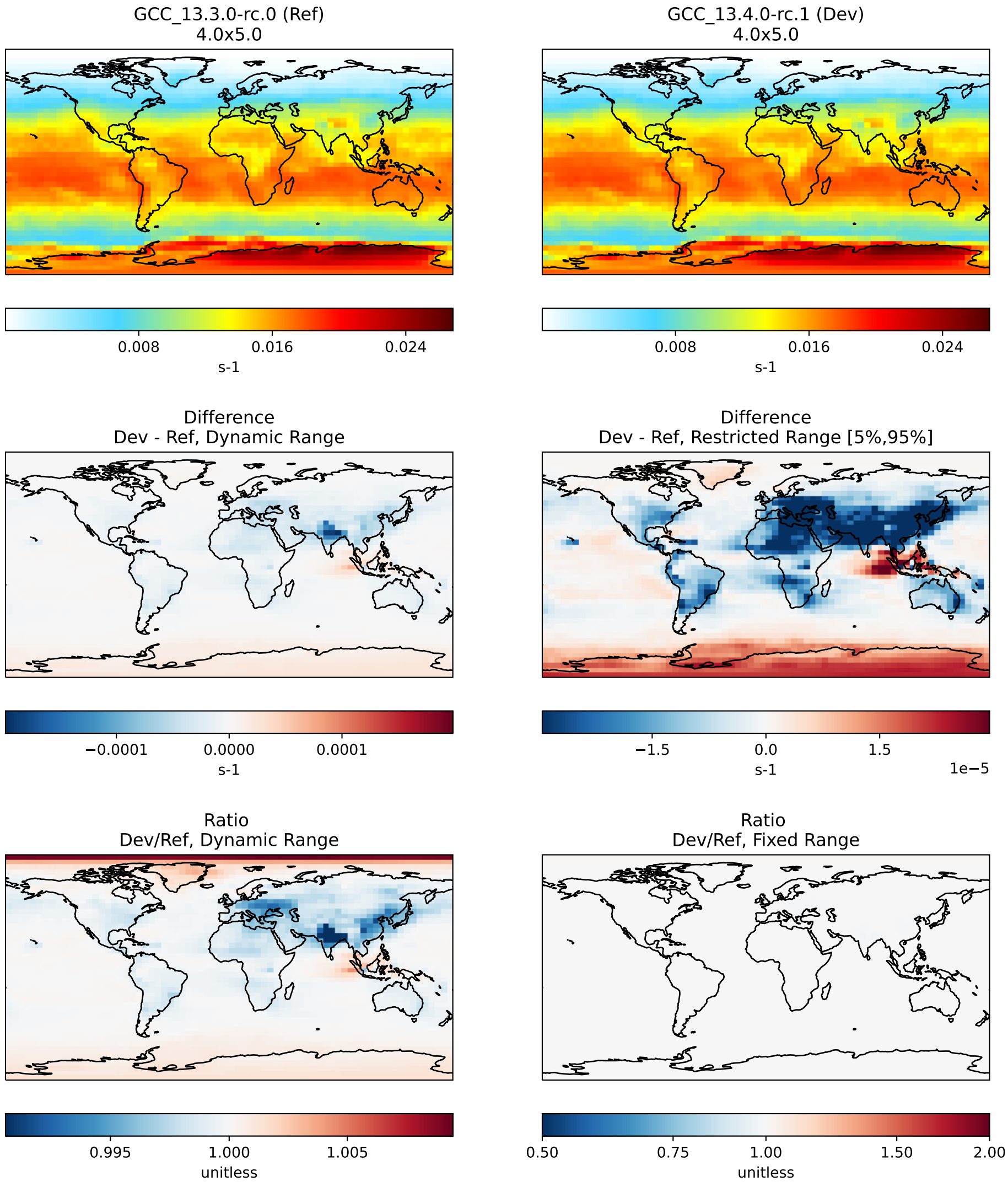
Jval_HPETHNL (Oct2019)



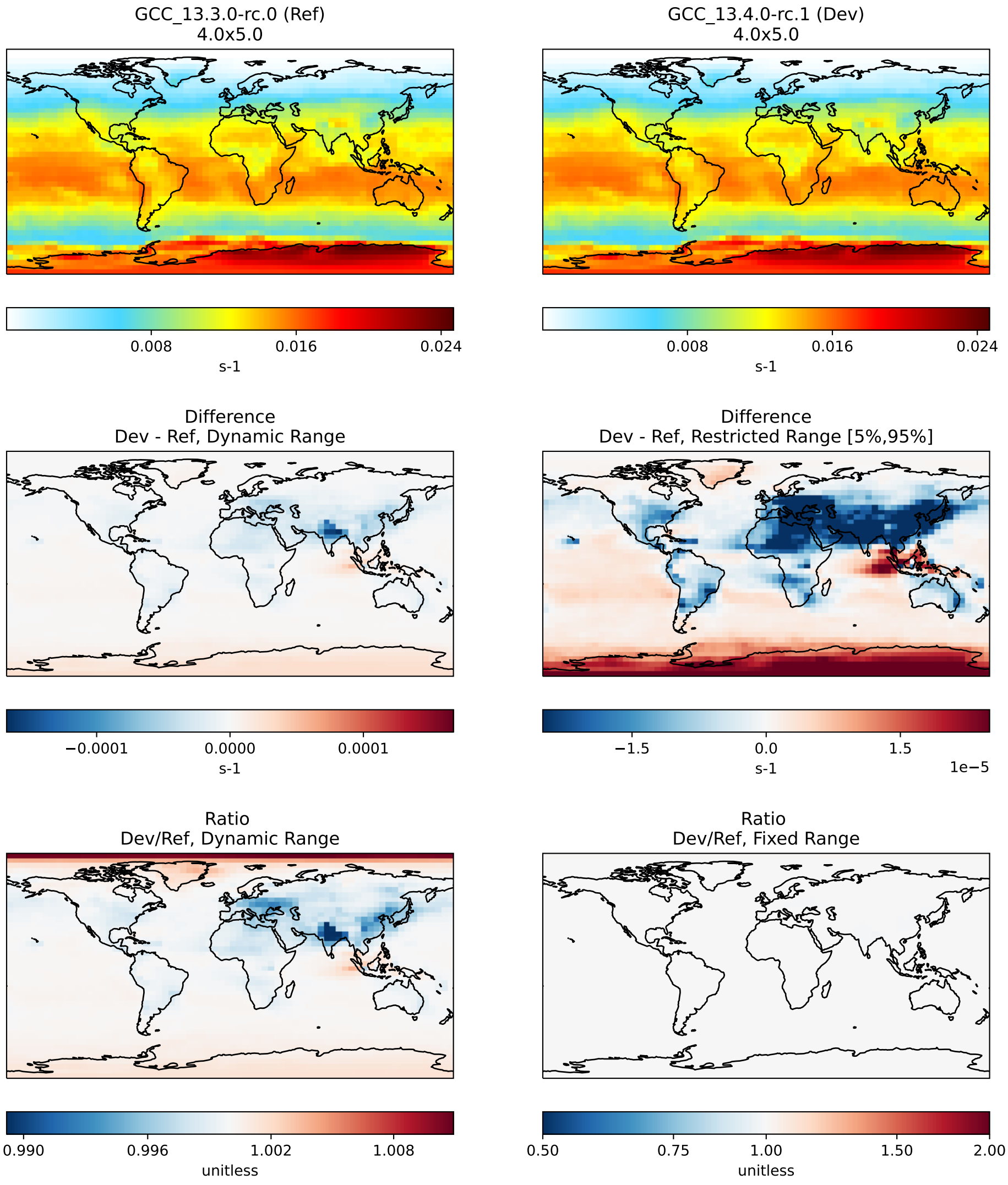
Jval_I2 (Oct2019)



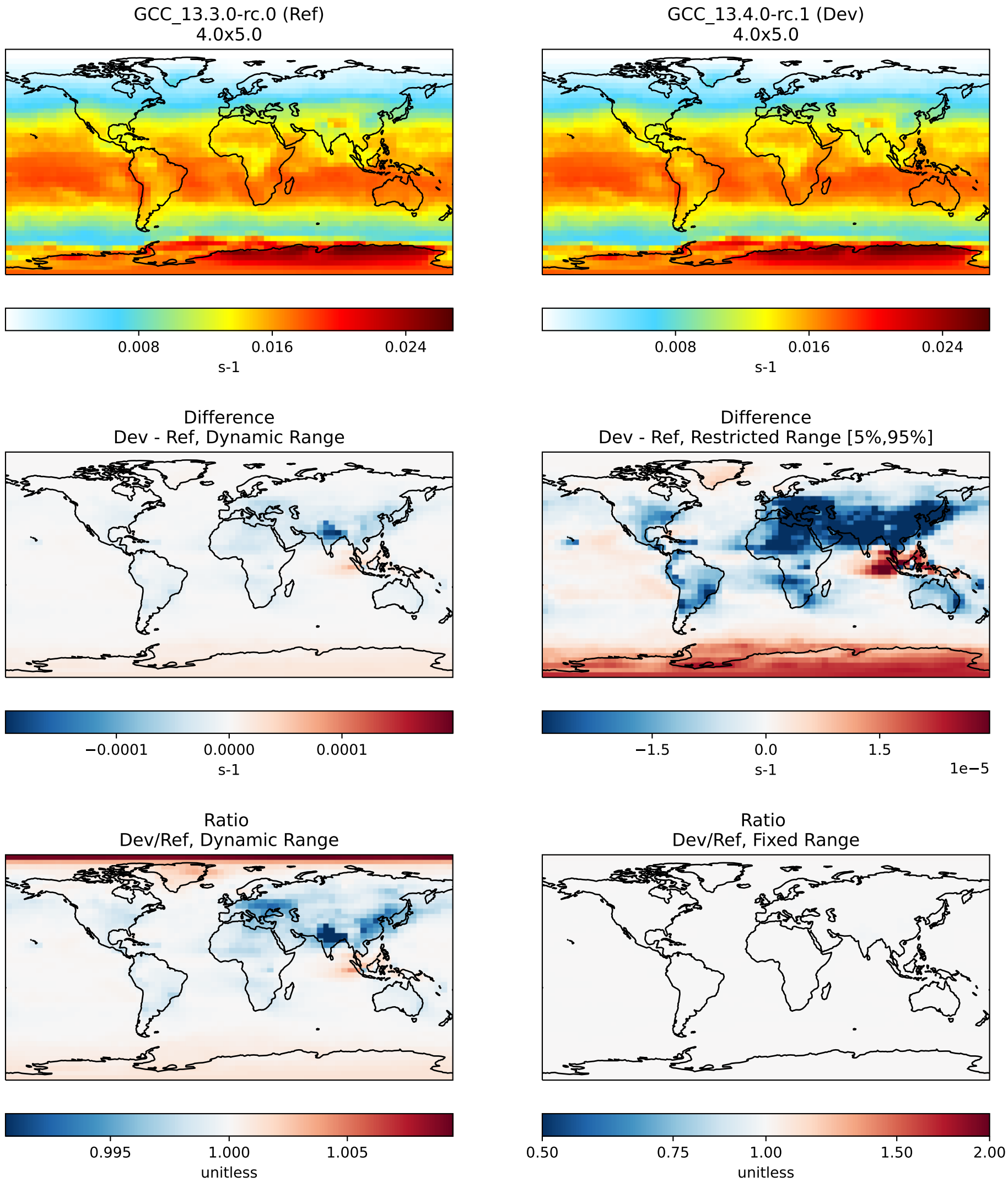
Jval_I2O2 (Oct2019)



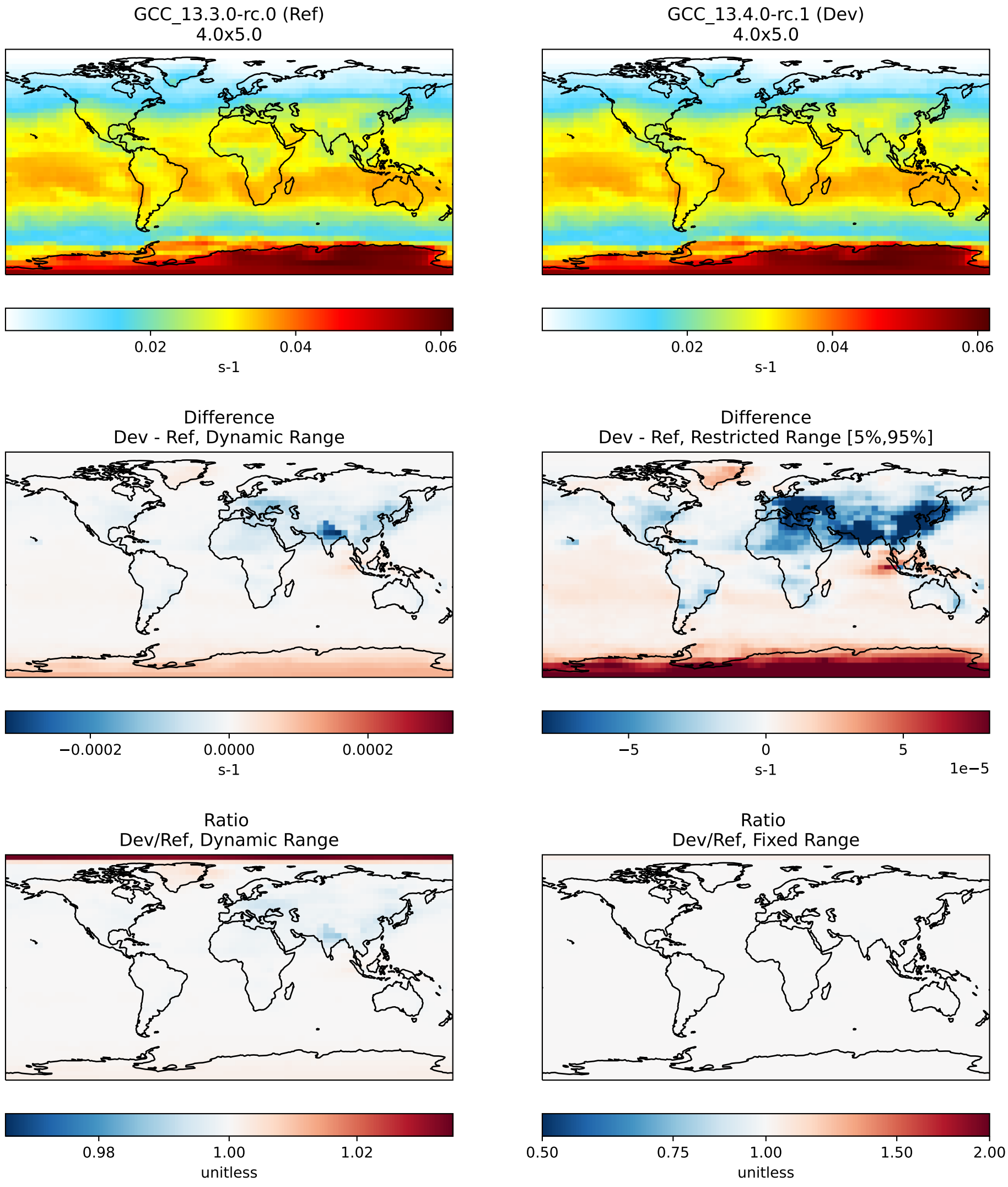
Jval_I2O3 (Oct2019)



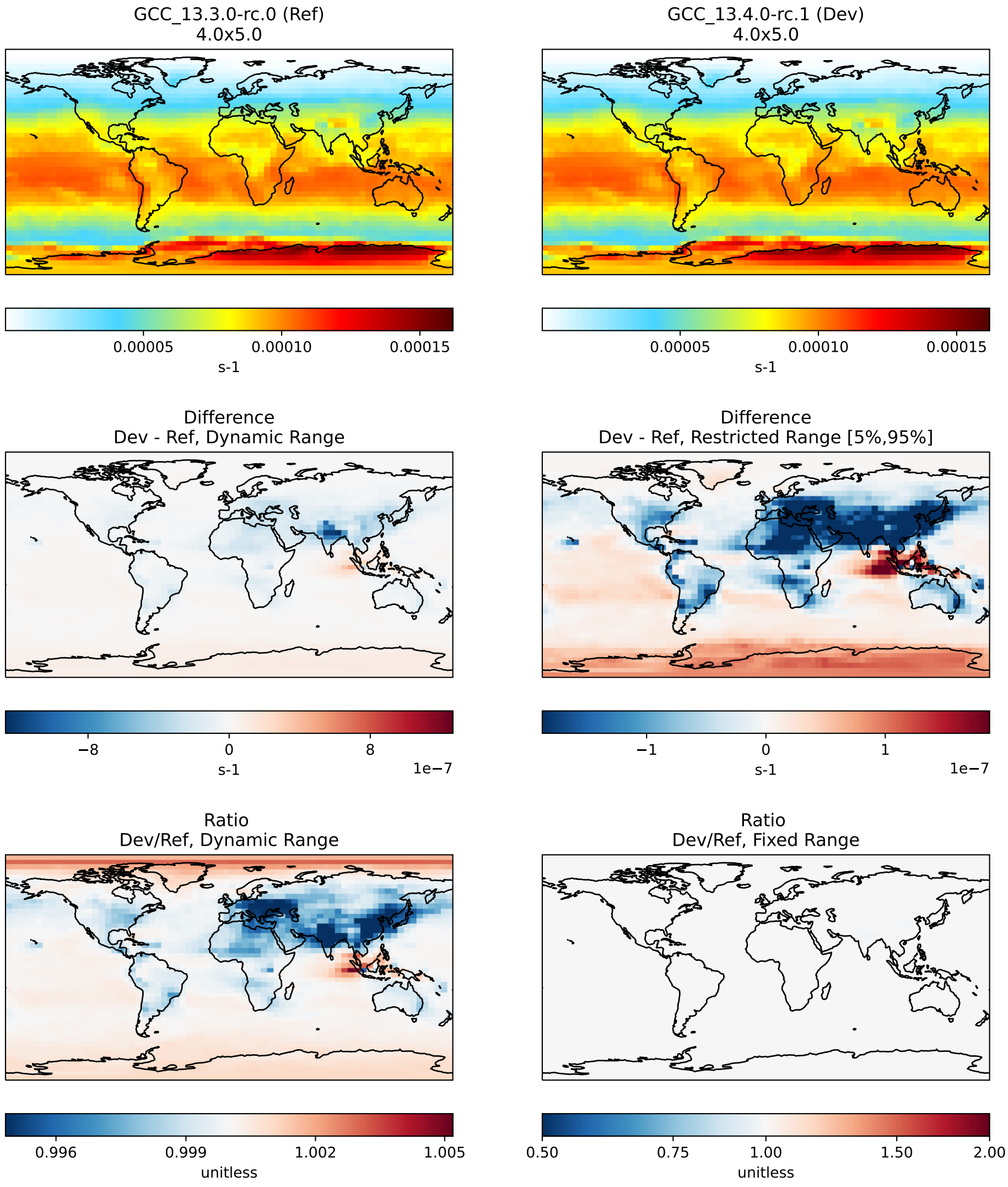
Jval_I2O4 (Oct2019)



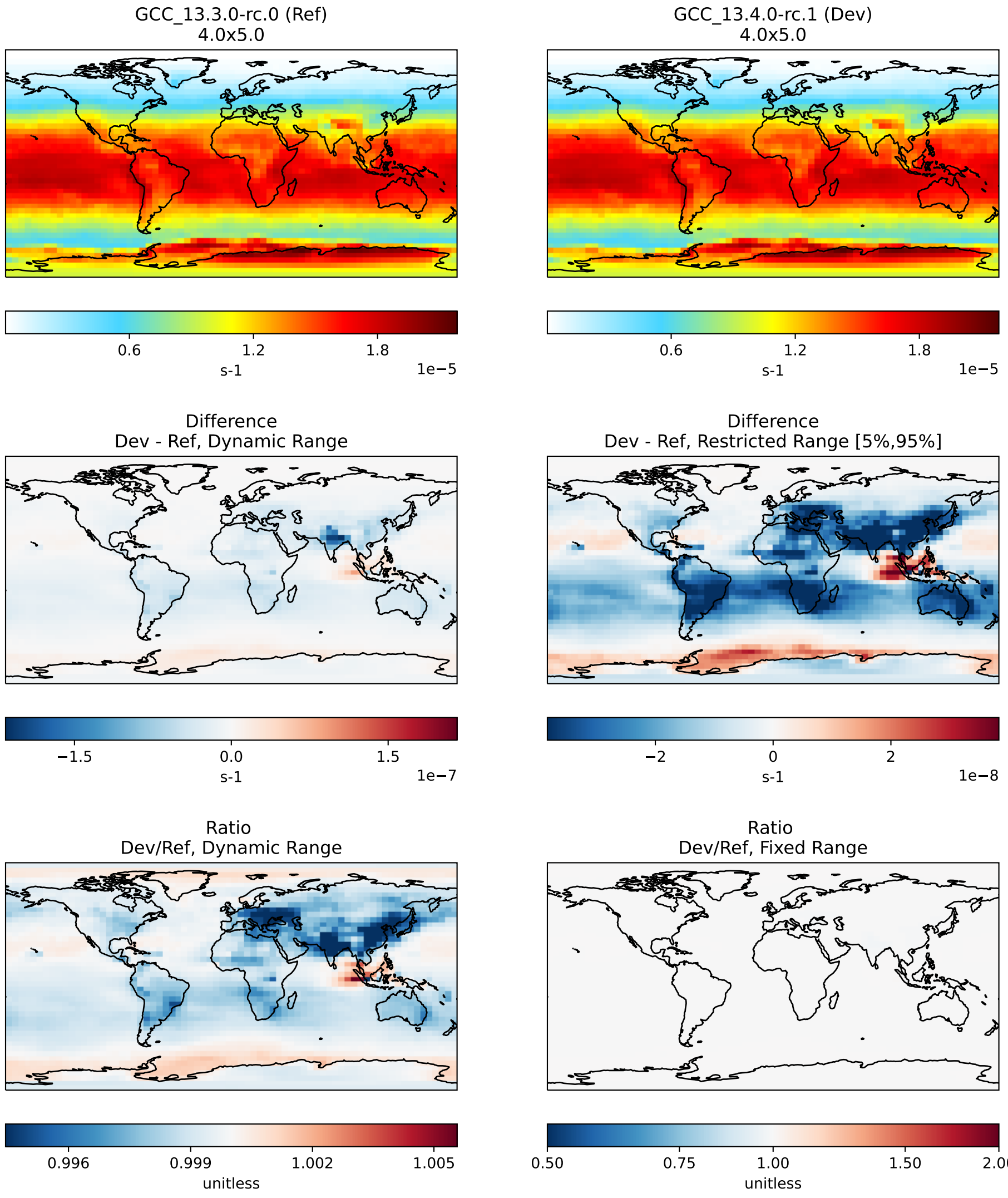
Jval_IBr (Oct2019)



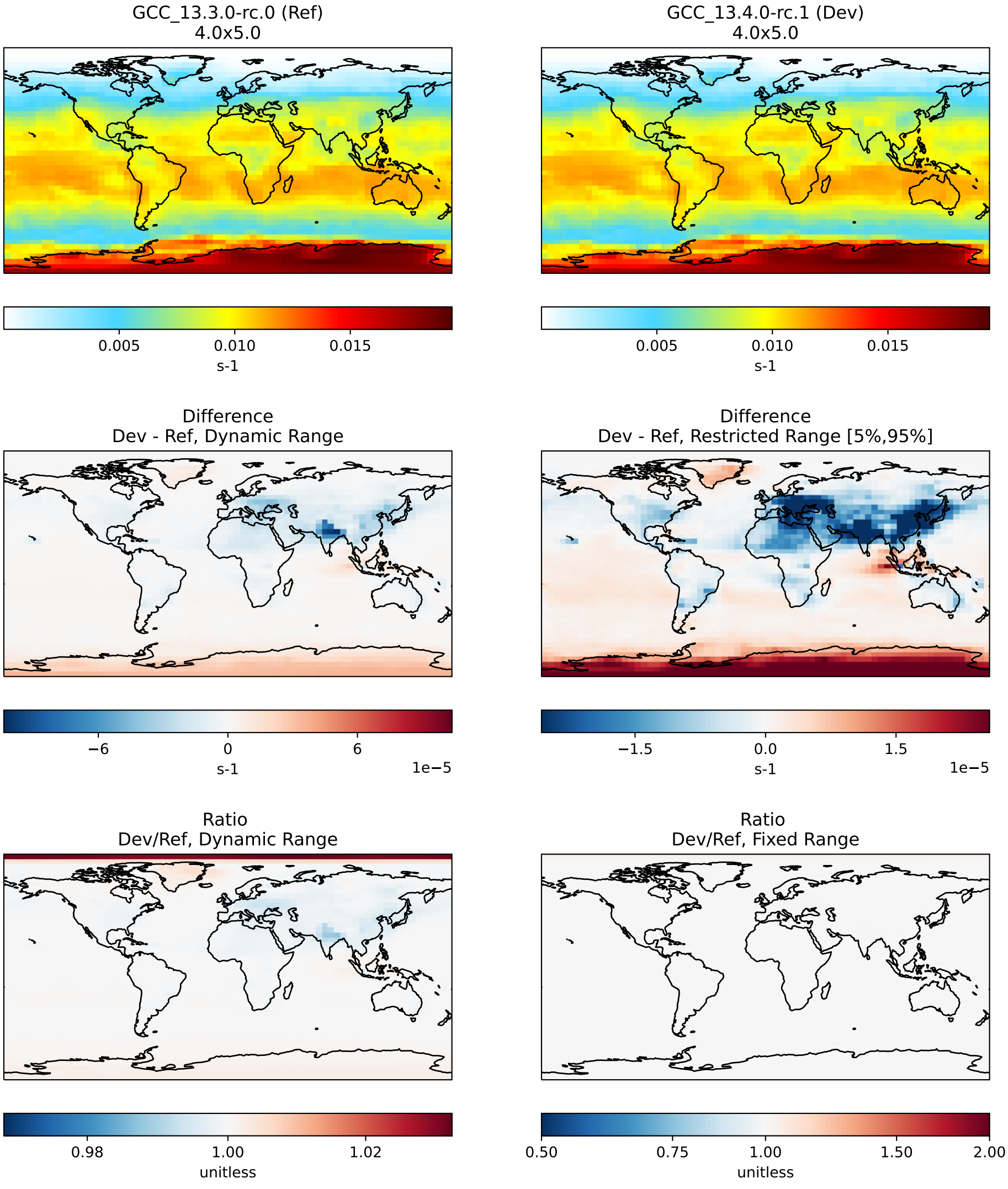
Jval_ICN (Oct2019)



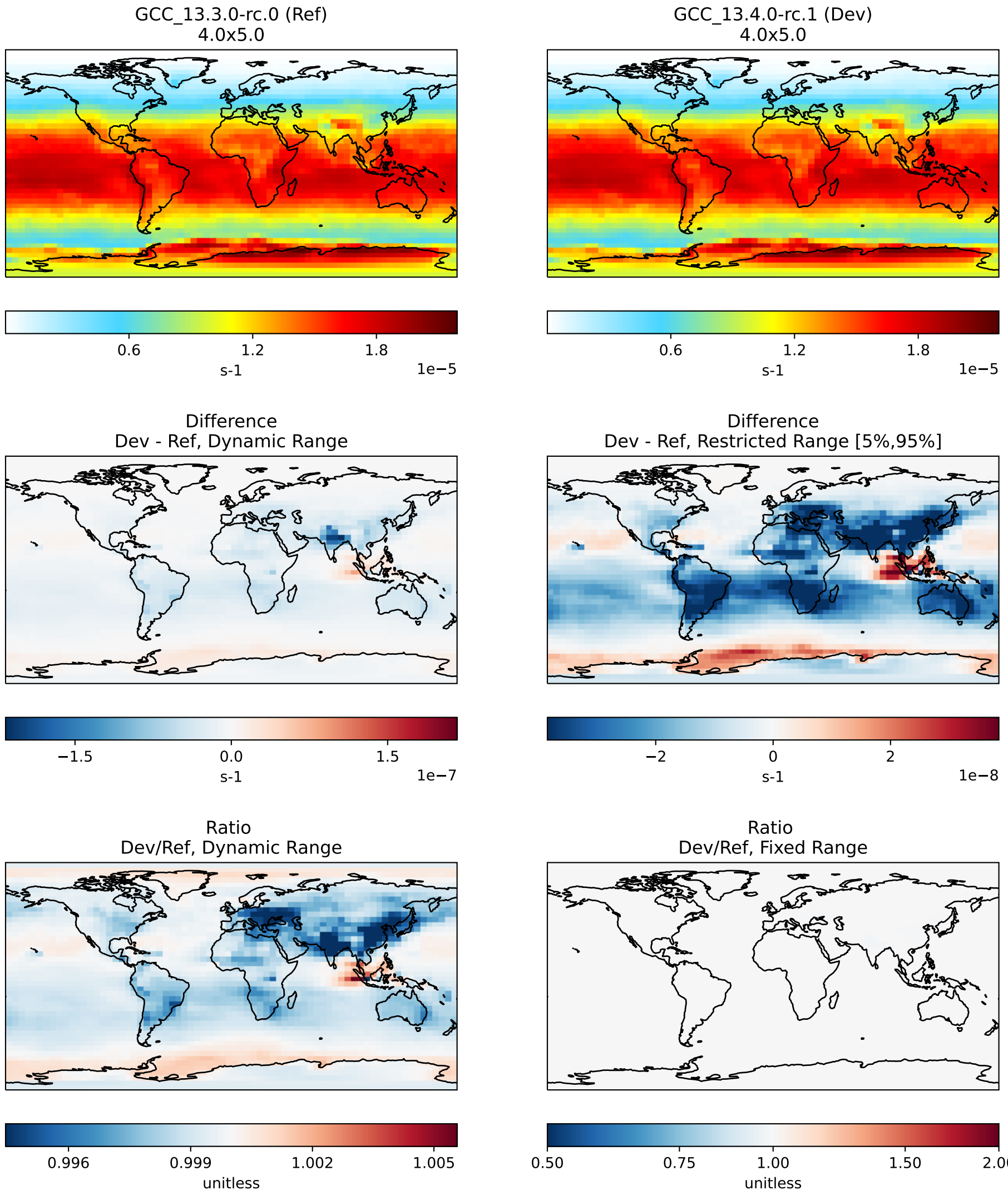
Jval_ICPDH (Oct2019)



Jval_ICl (Oct2019)

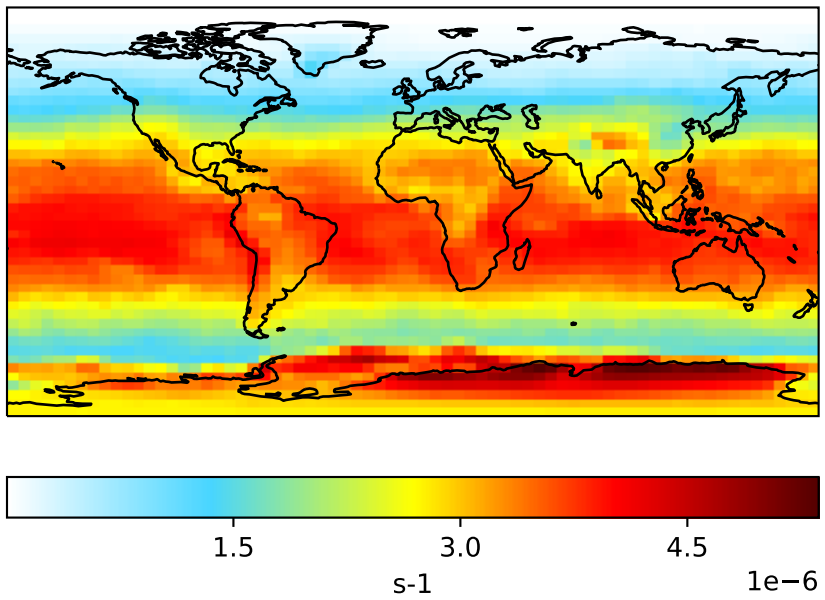


Jval_IDCHP (Oct2019)

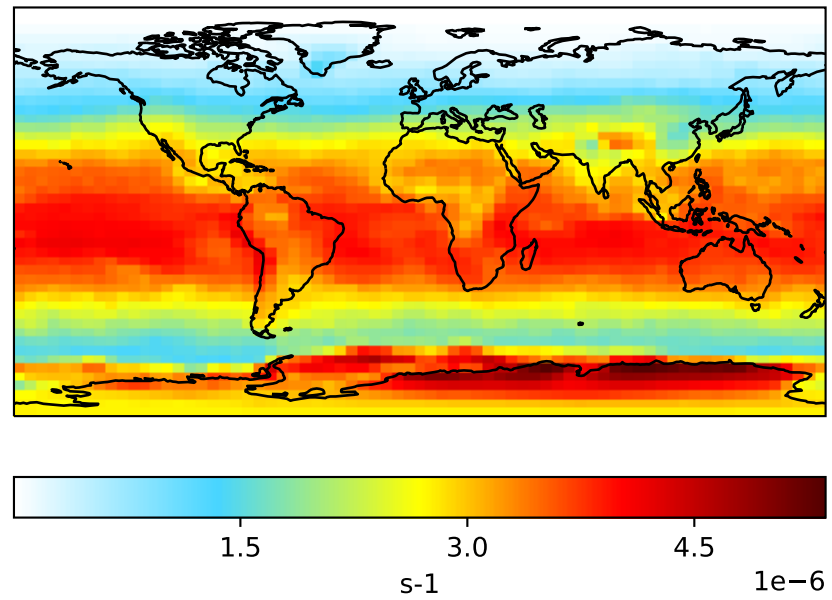


Jval_IDHDP (Oct2019)

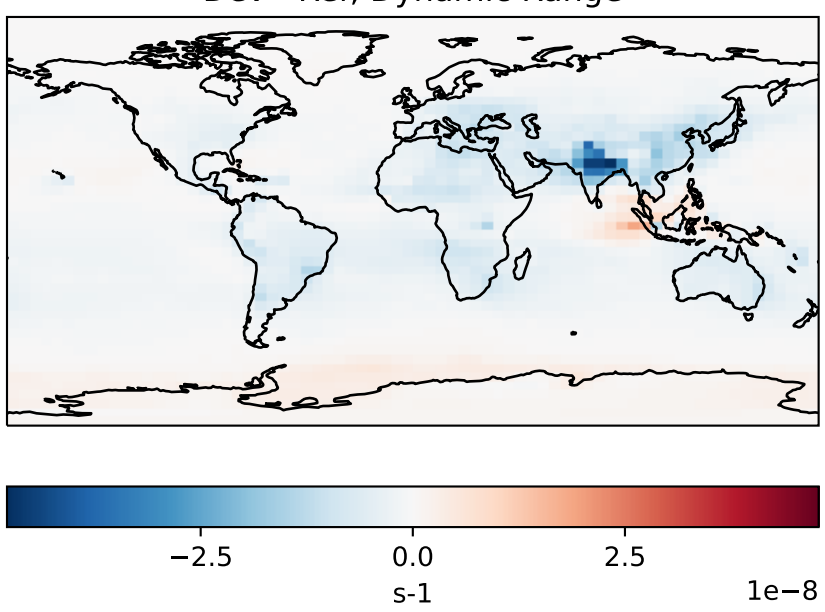
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



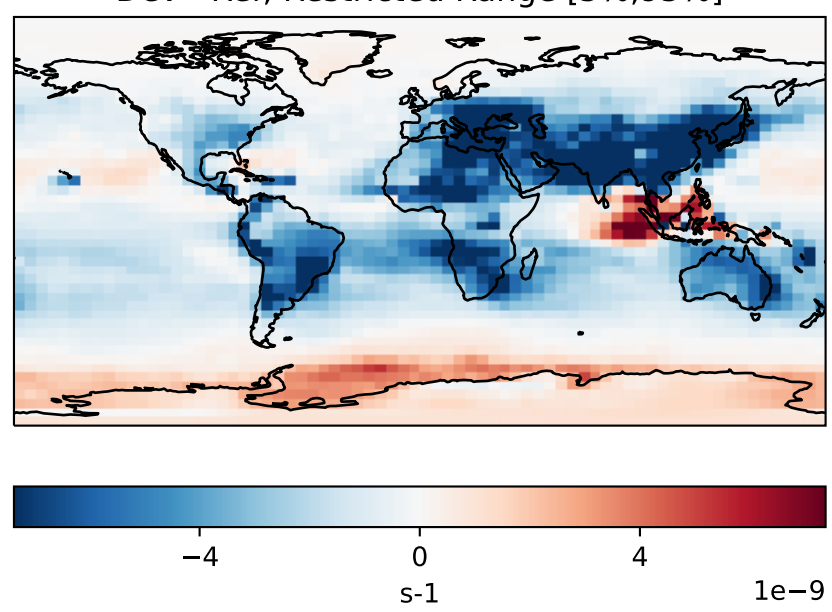
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



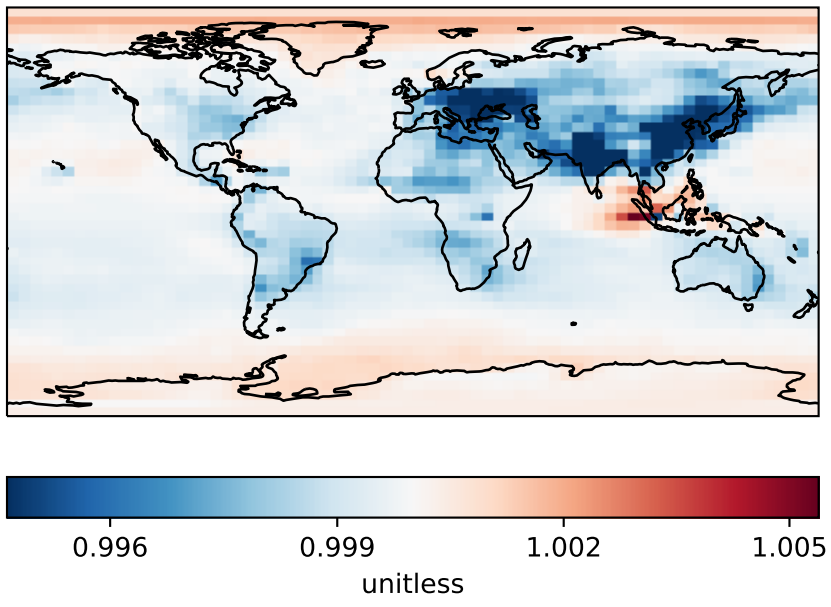
Difference
Dev - Ref, Dynamic Range



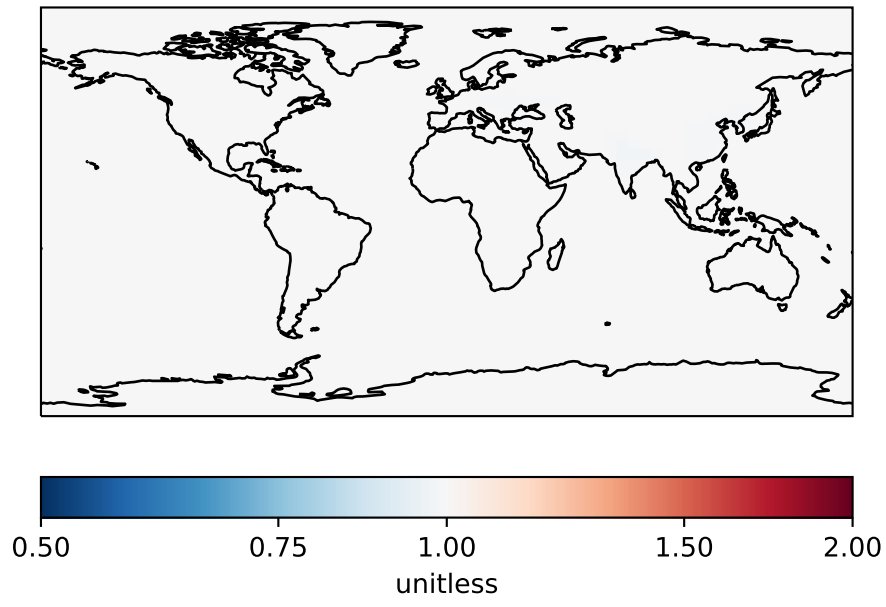
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

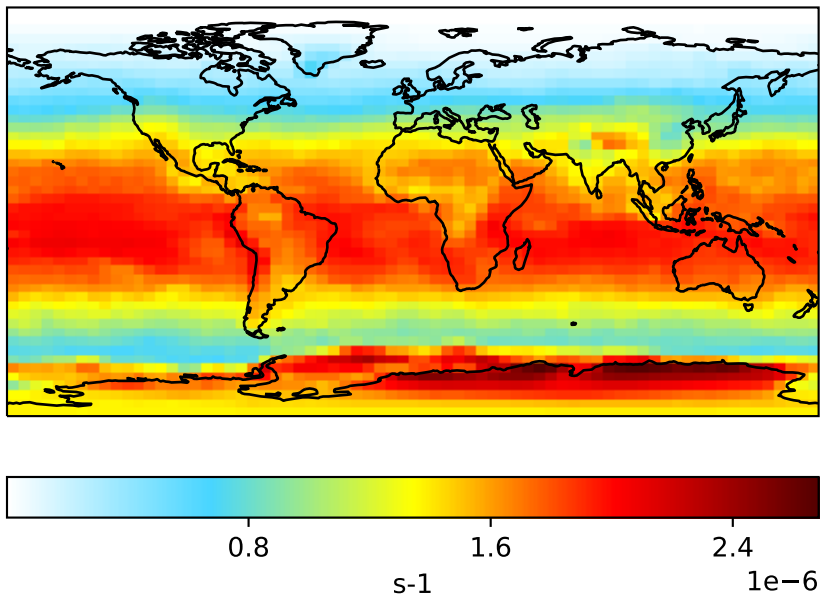


Ratio
Dev/Ref, Fixed Range

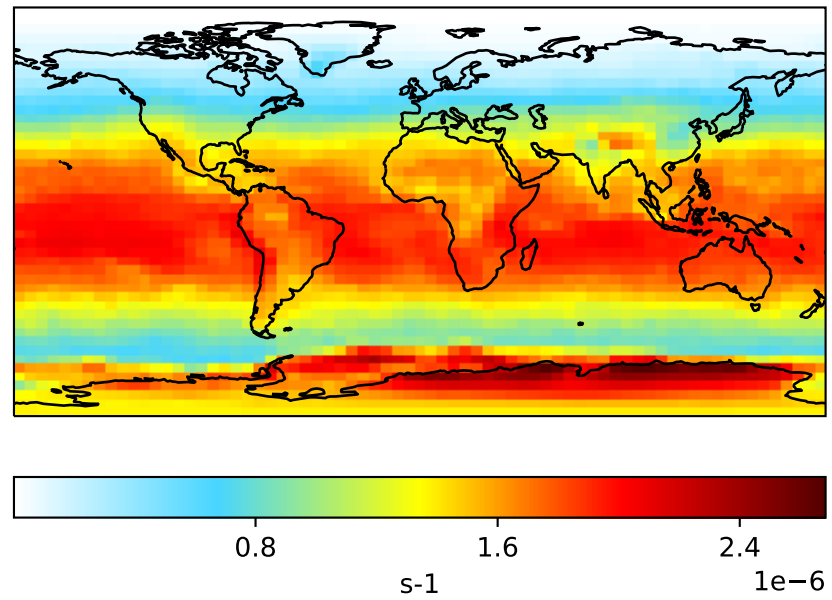


Jval_IDHPE (Oct2019)

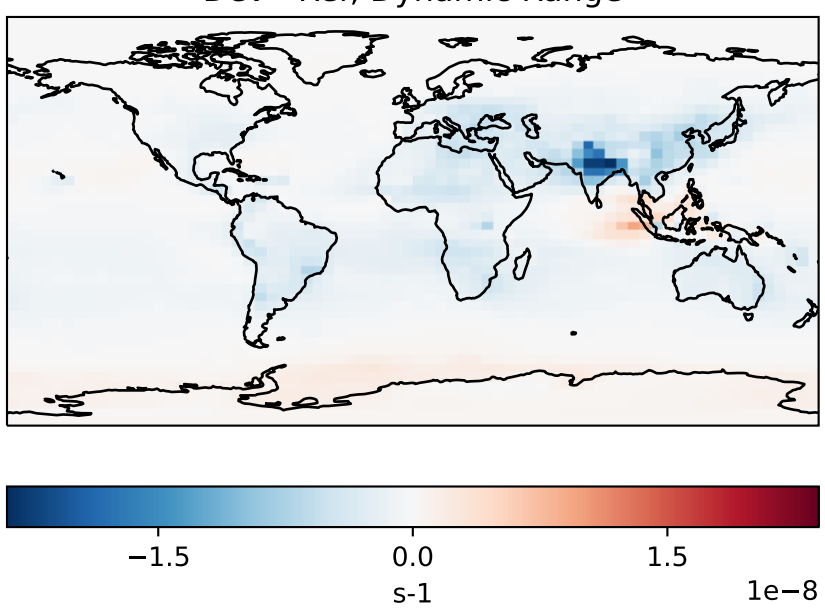
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



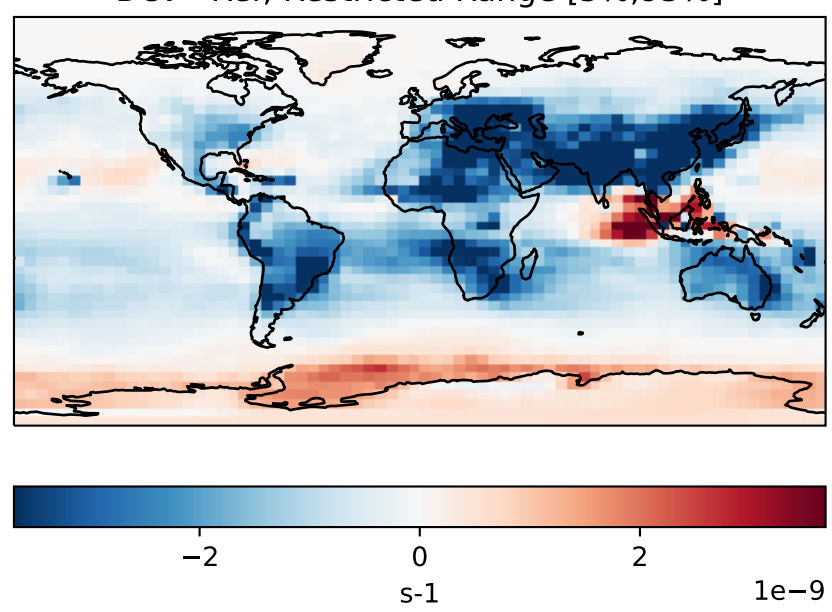
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



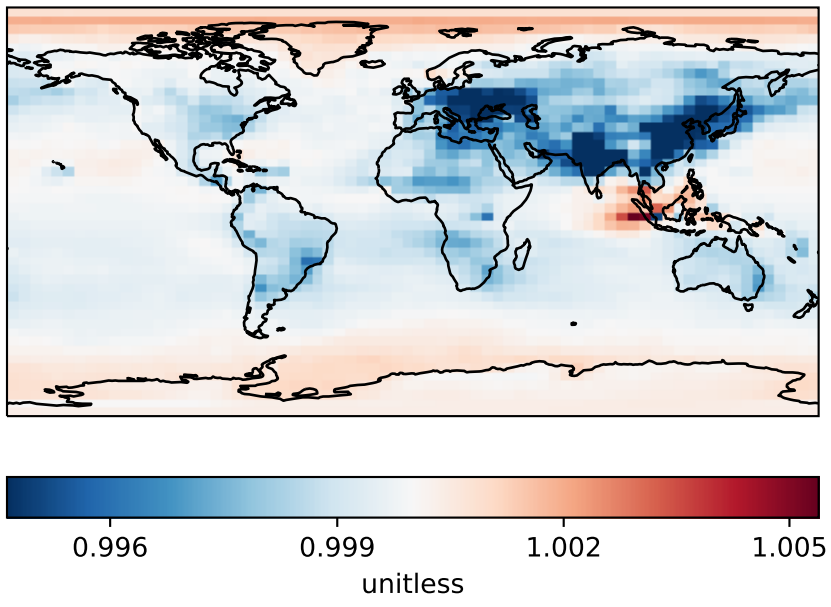
Difference
Dev - Ref, Dynamic Range



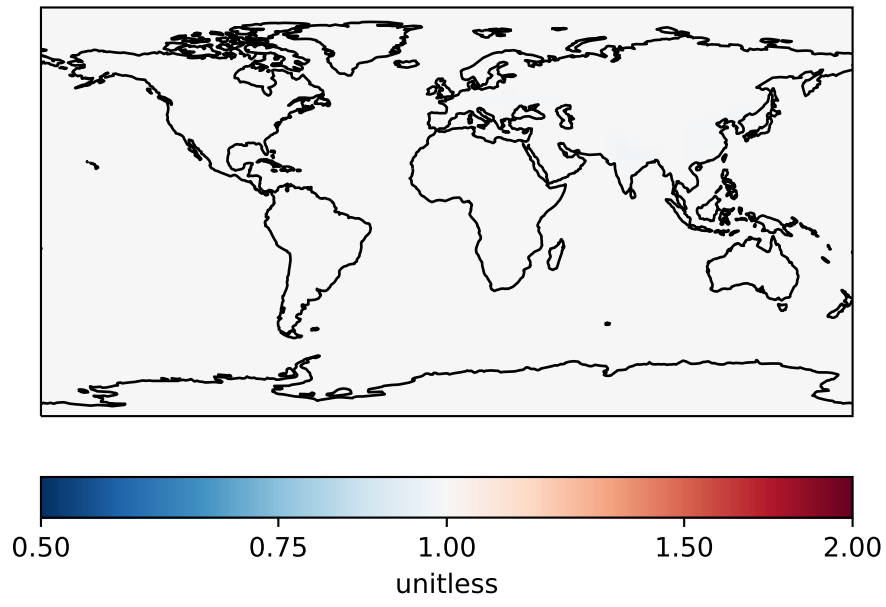
Difference
Dev - Ref, Restricted Range [5%,95%]



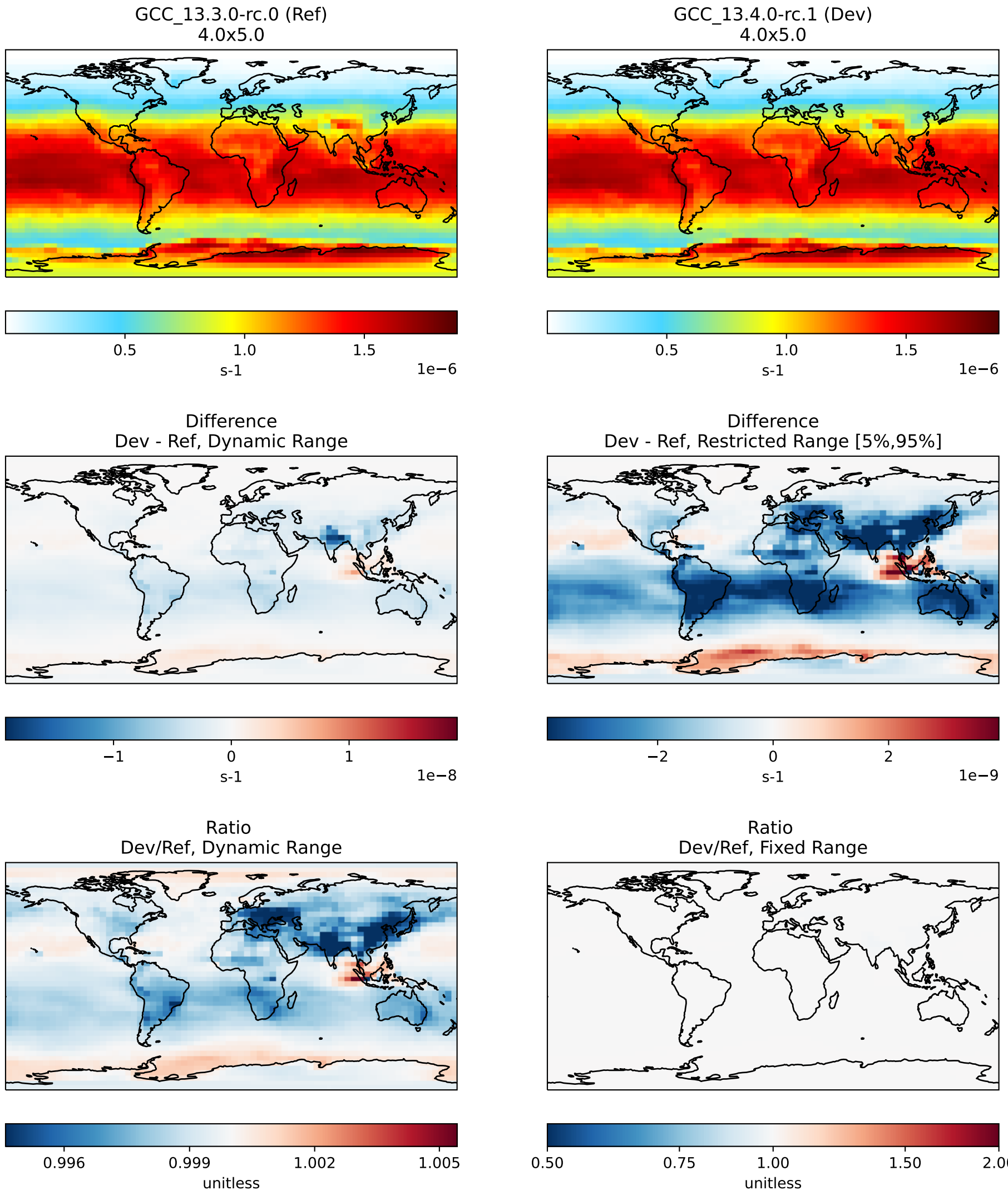
Ratio
Dev/Ref, Dynamic Range



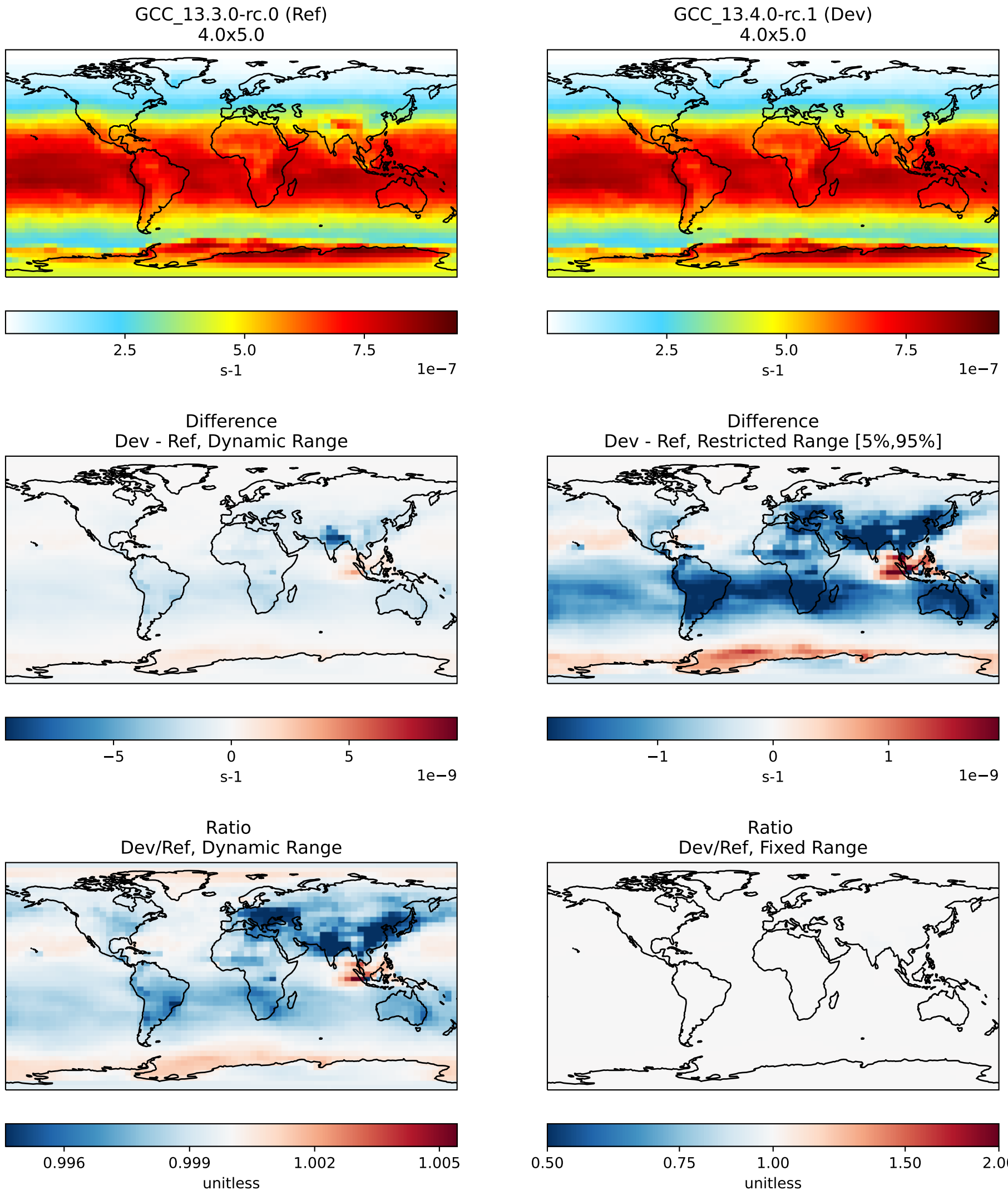
Ratio
Dev/Ref, Fixed Range



Jval_IDN (Oct2019)

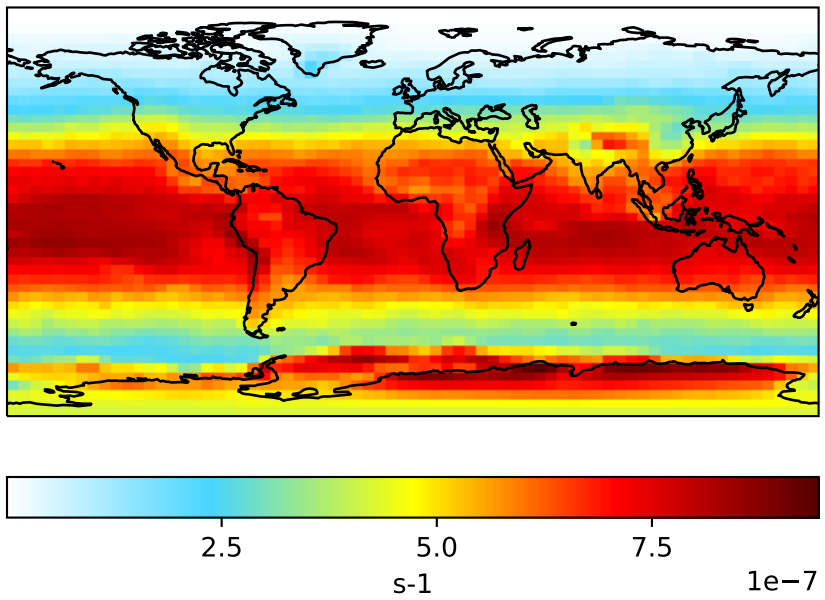


Jval_IHN1 (Oct2019)

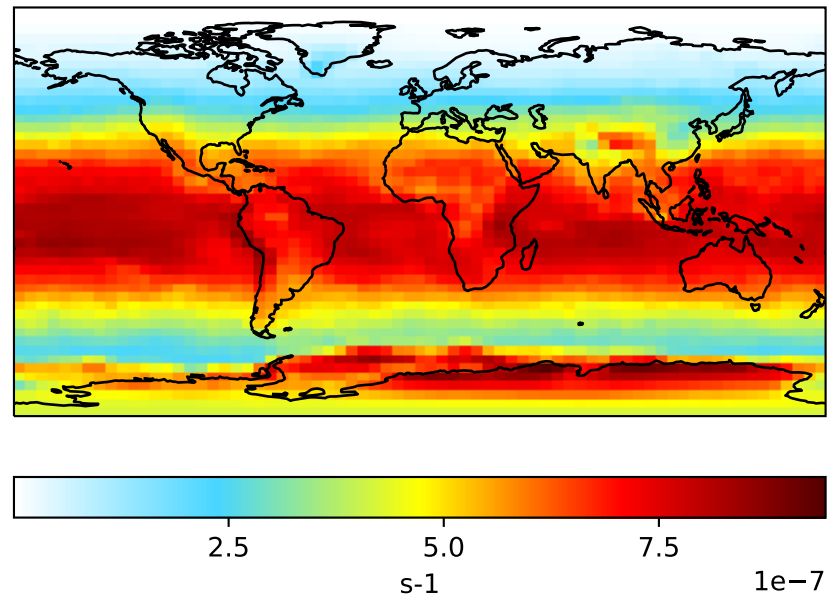


Jval_IHN2 (Oct2019)

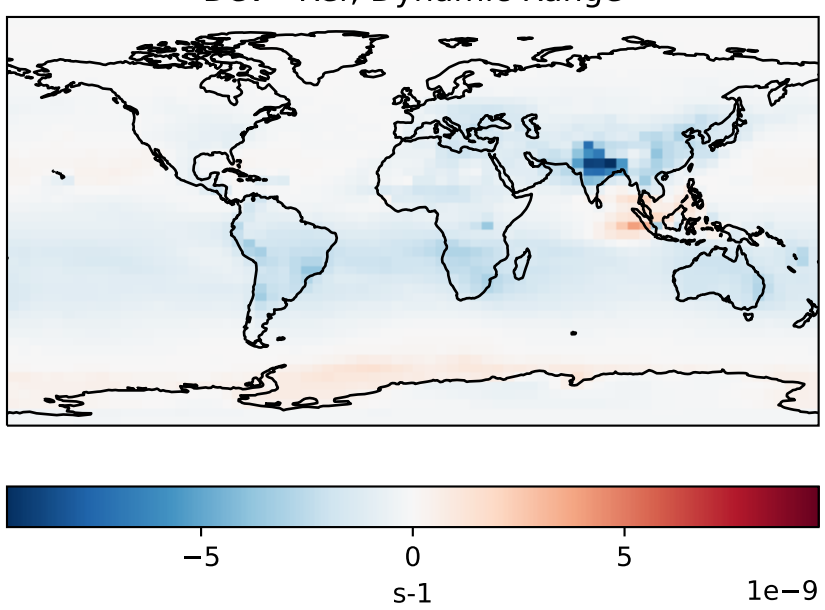
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



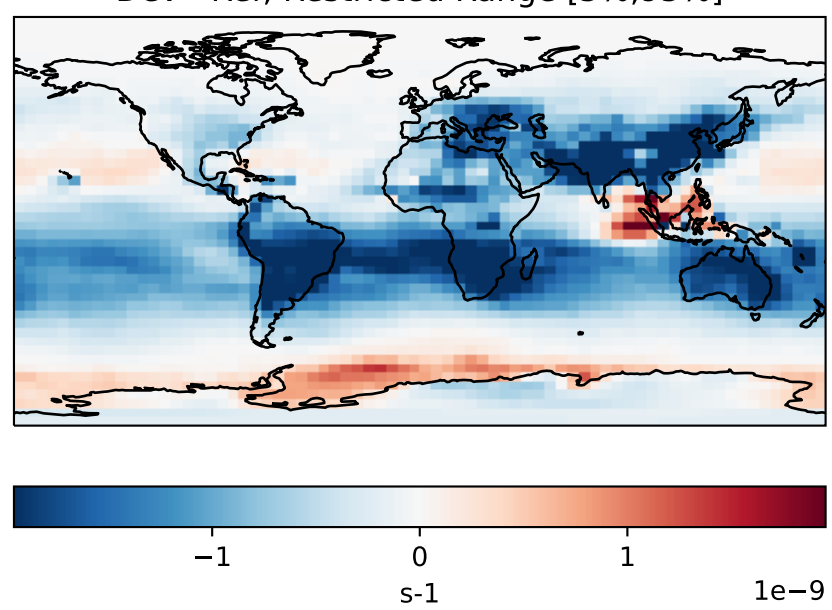
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



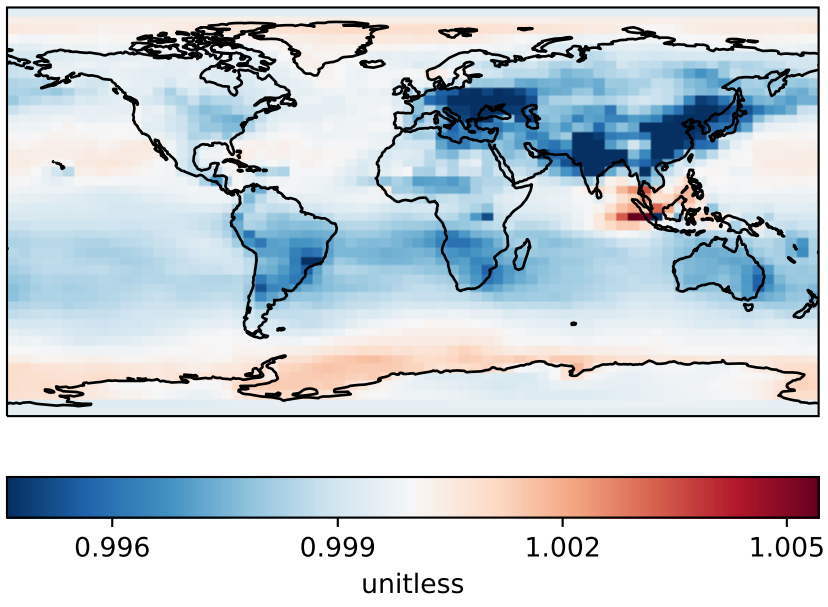
Difference
Dev - Ref, Dynamic Range



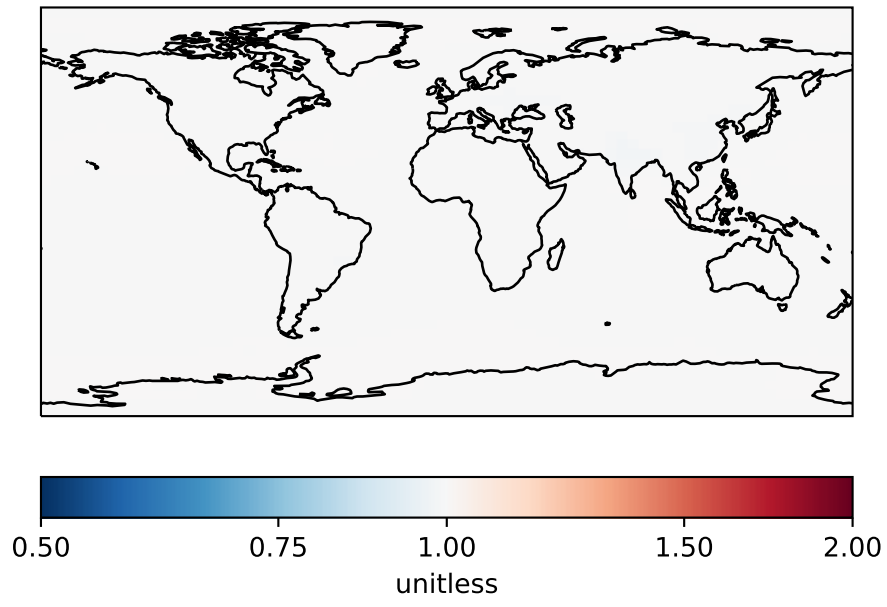
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

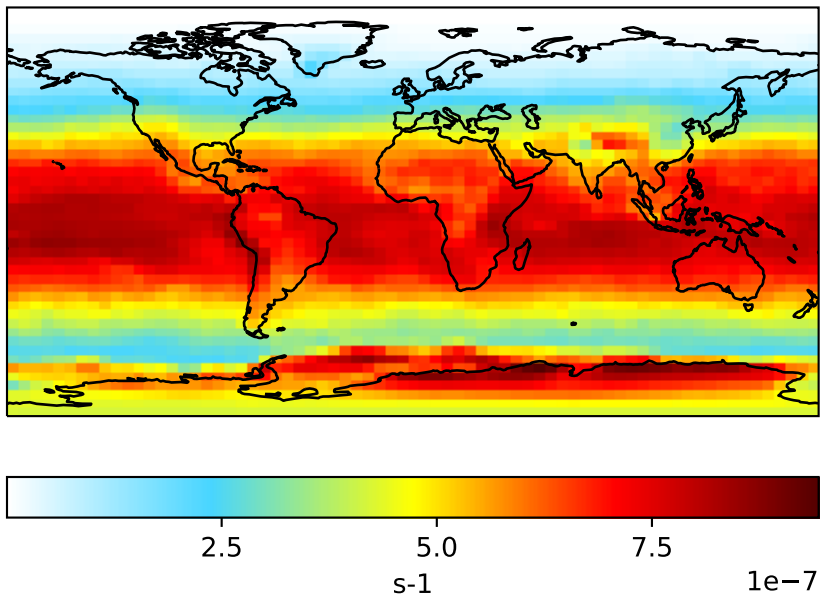


Ratio
Dev/Ref, Fixed Range

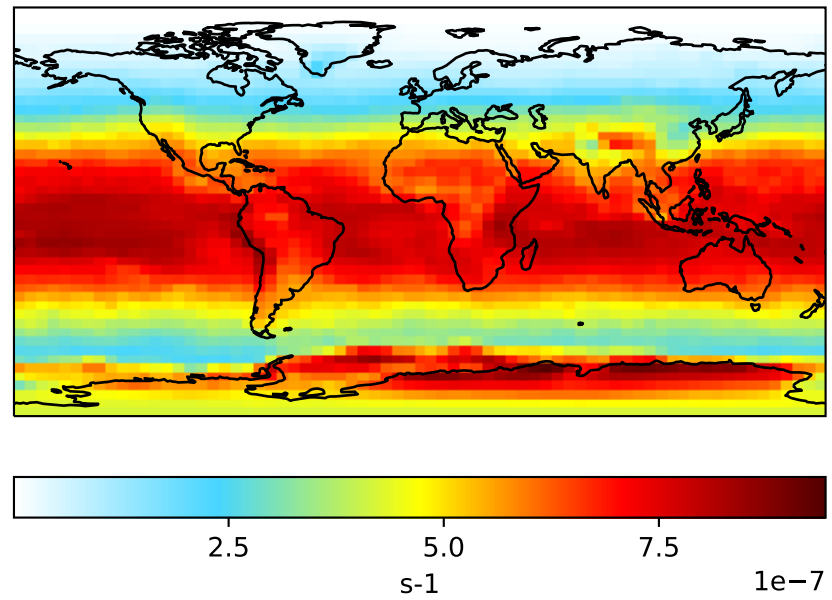


Jval_IHN3 (Oct2019)

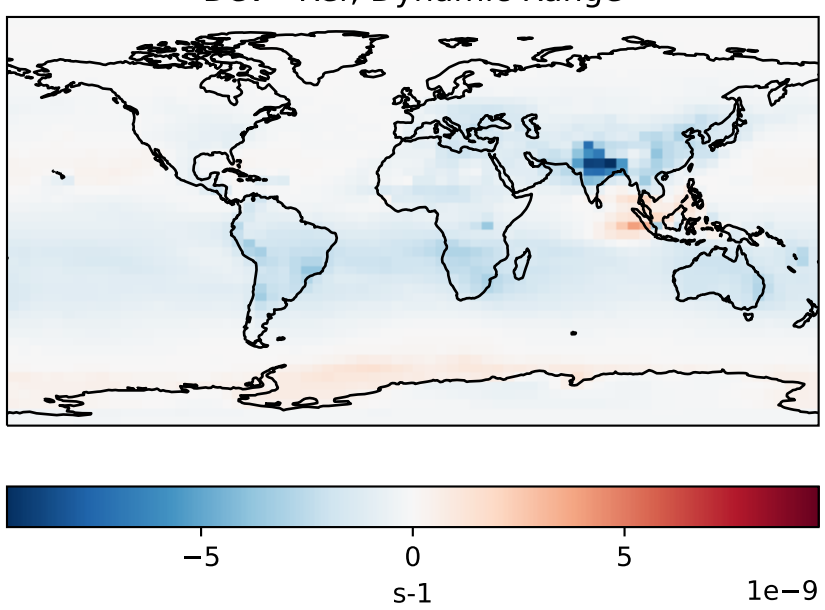
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



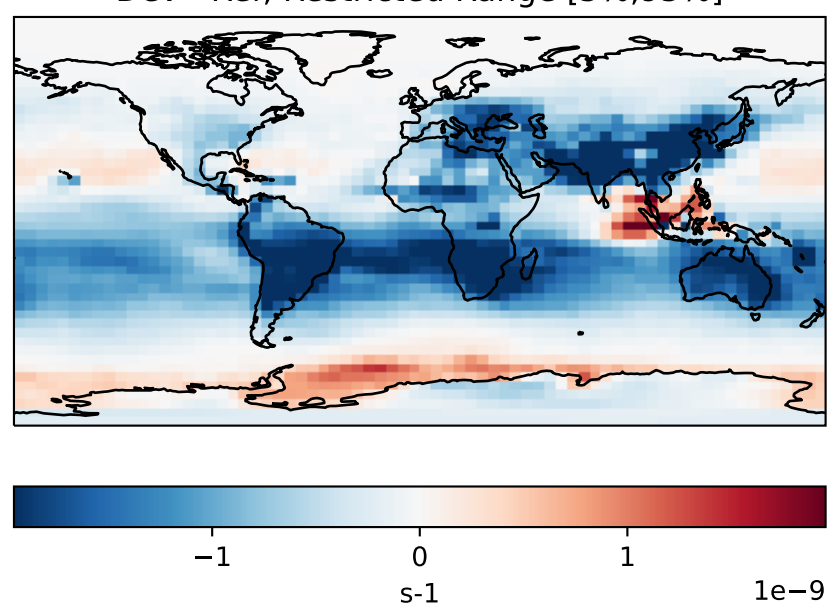
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



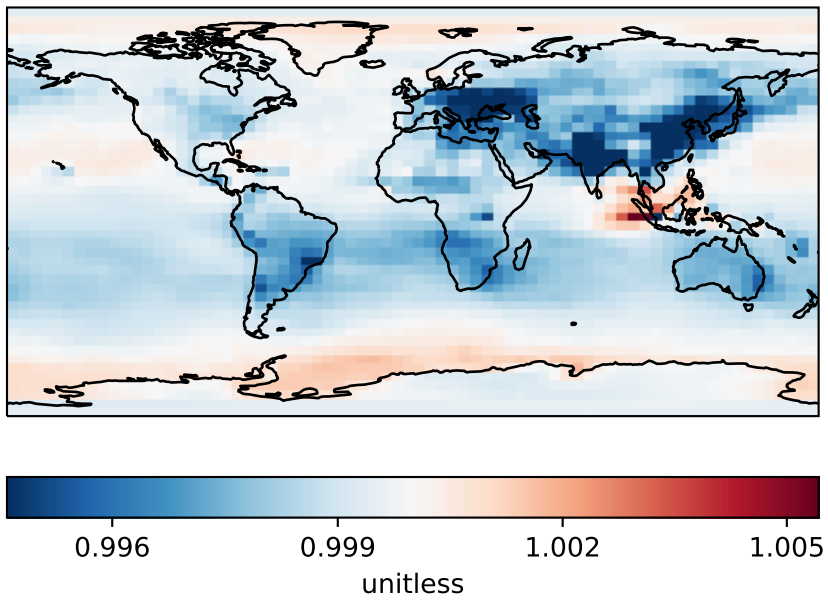
Difference
Dev - Ref, Dynamic Range



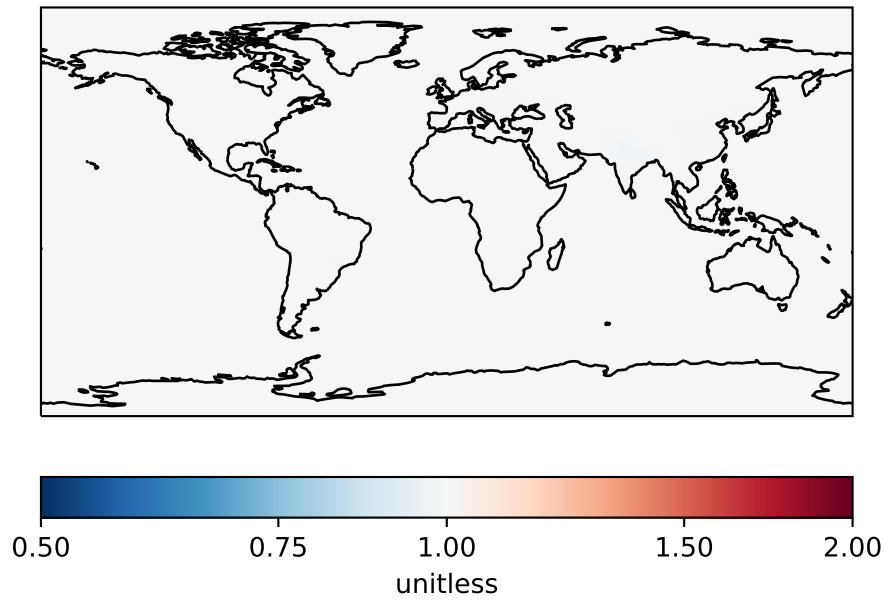
Difference
Dev - Ref, Restricted Range [5%,95%]



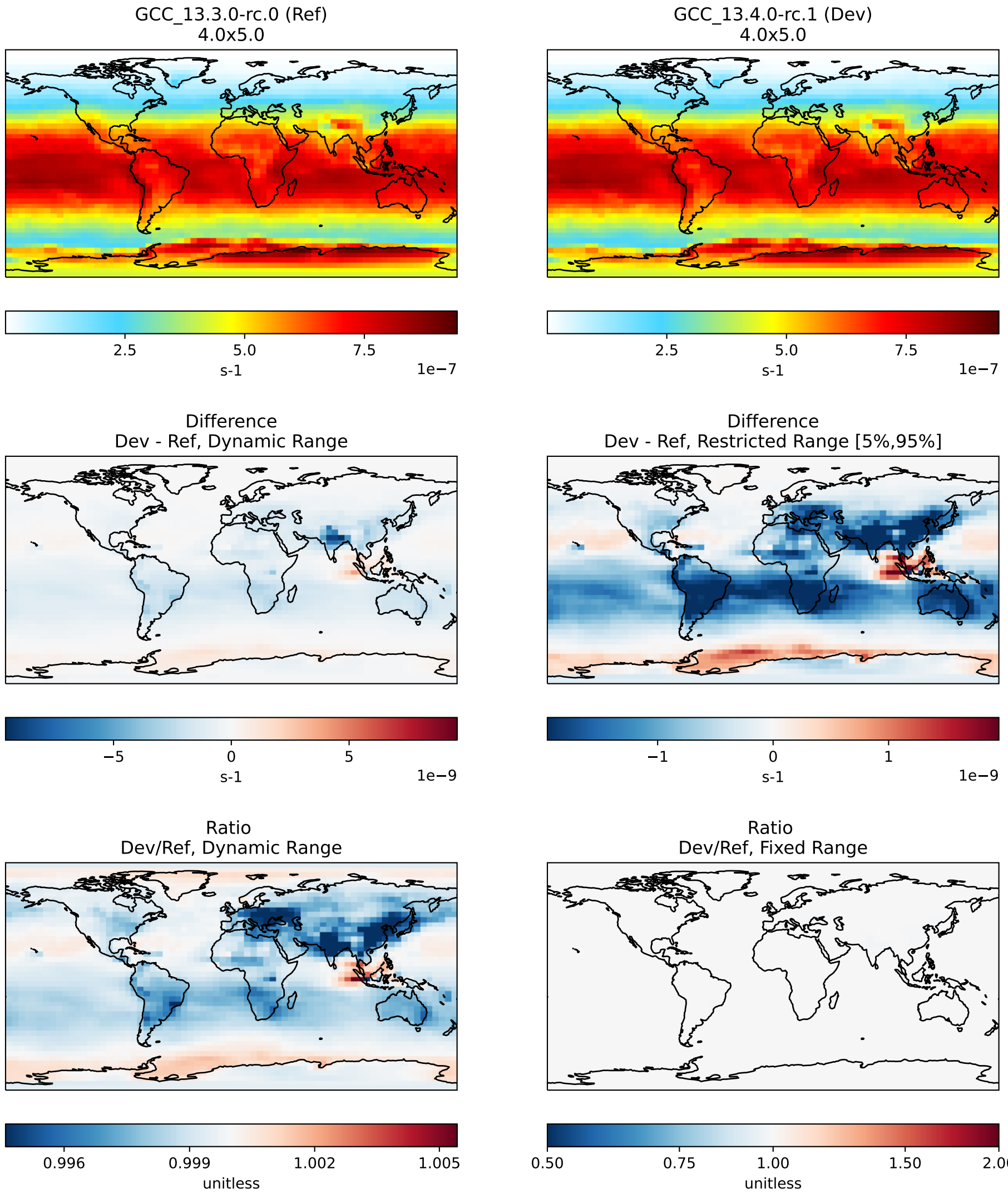
Ratio
Dev/Ref, Dynamic Range



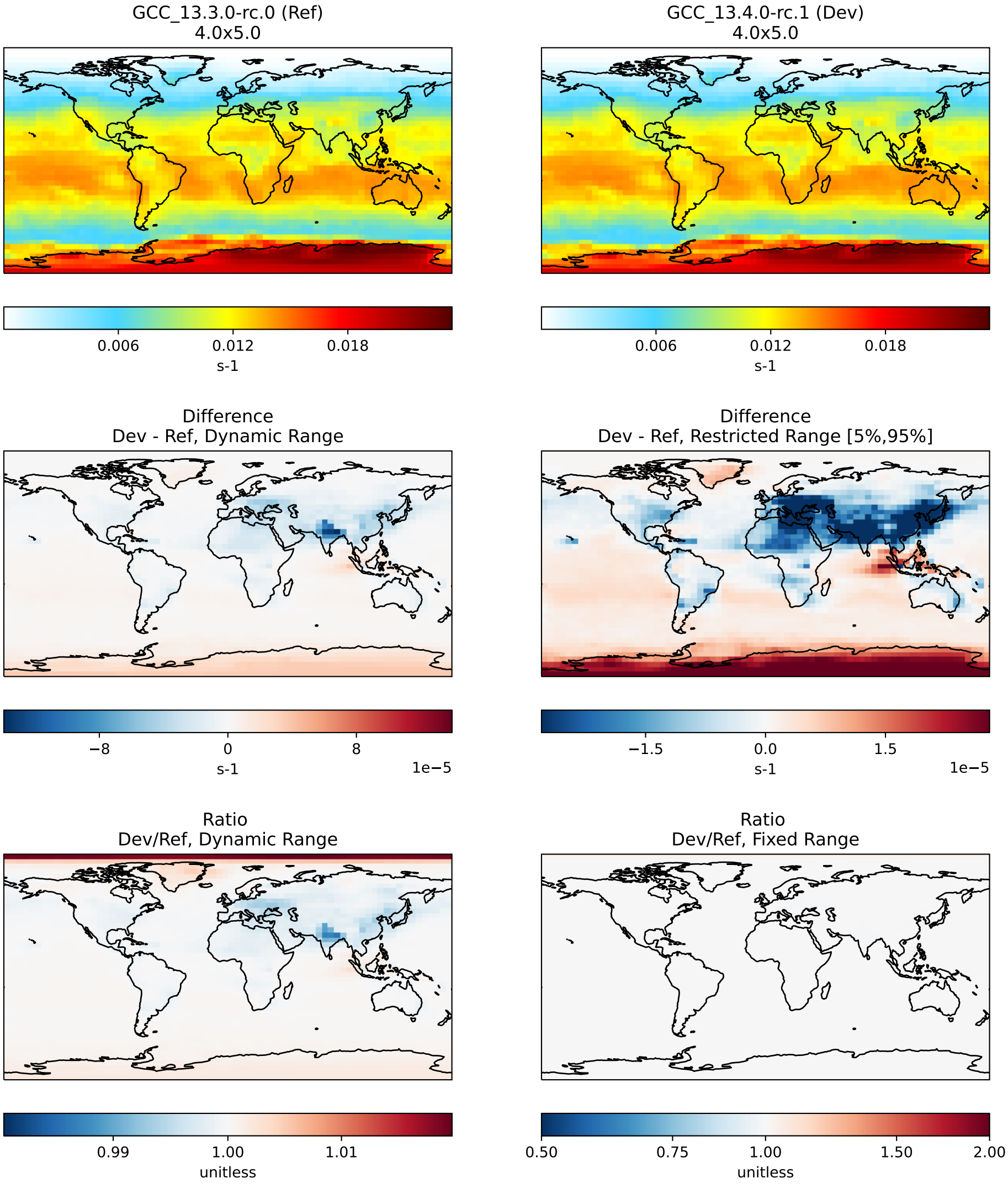
Ratio
Dev/Ref, Fixed Range



Jval_IHN4 (Oct2019)

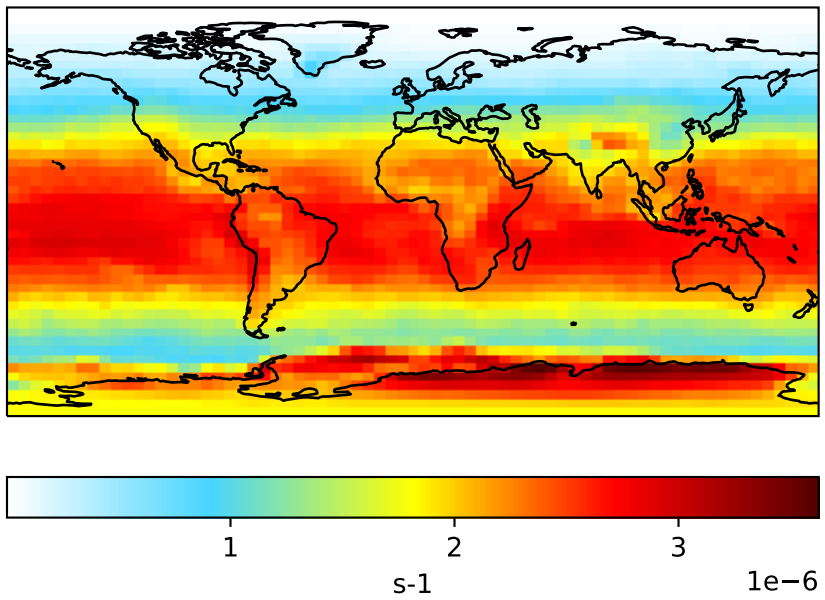


Jval_INO (Oct2019)

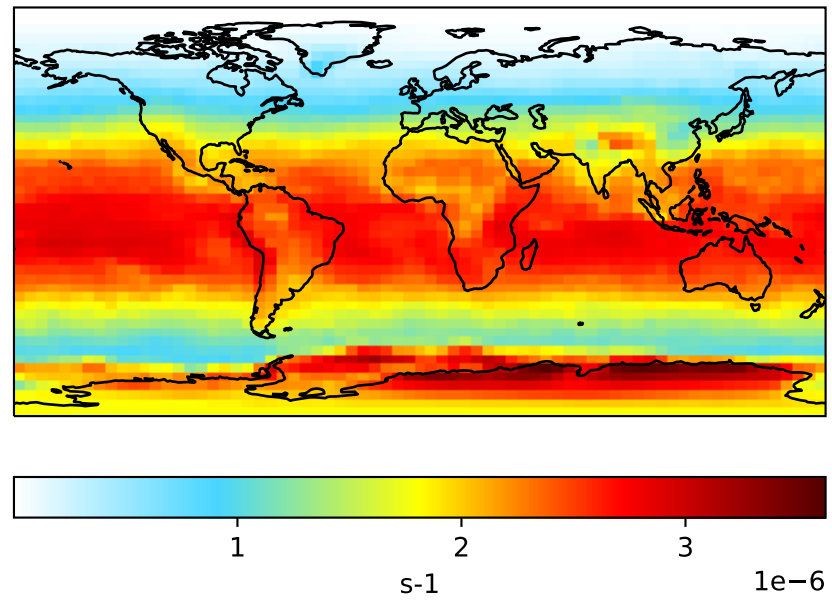


Jval_INPB (Oct2019)

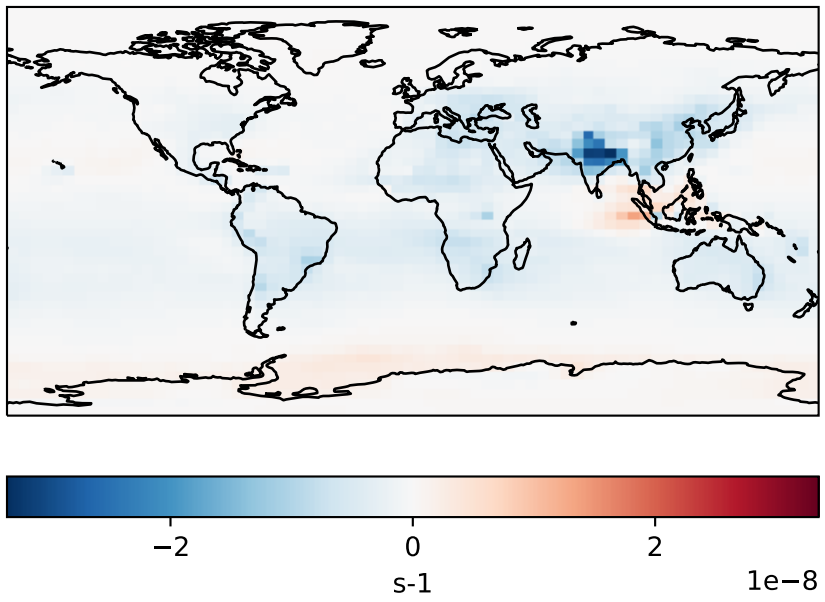
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



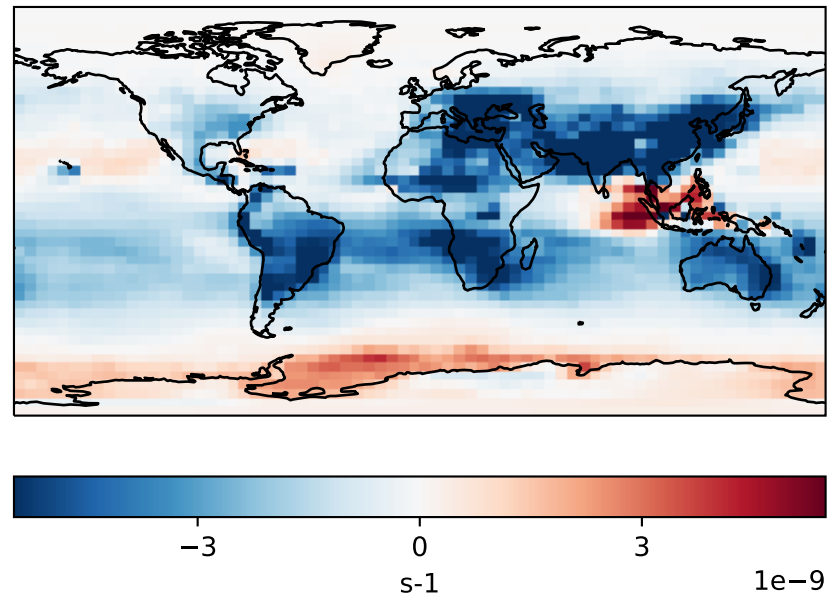
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



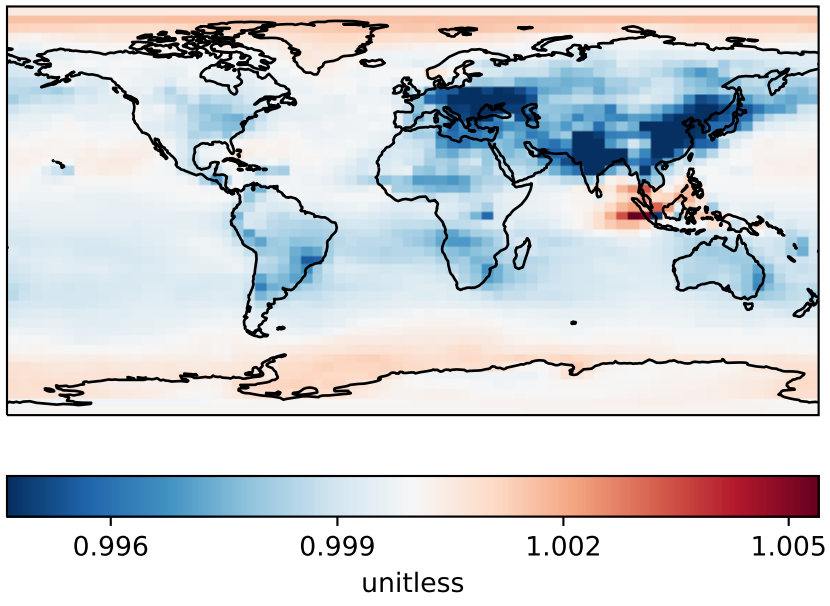
Difference
Dev - Ref, Dynamic Range



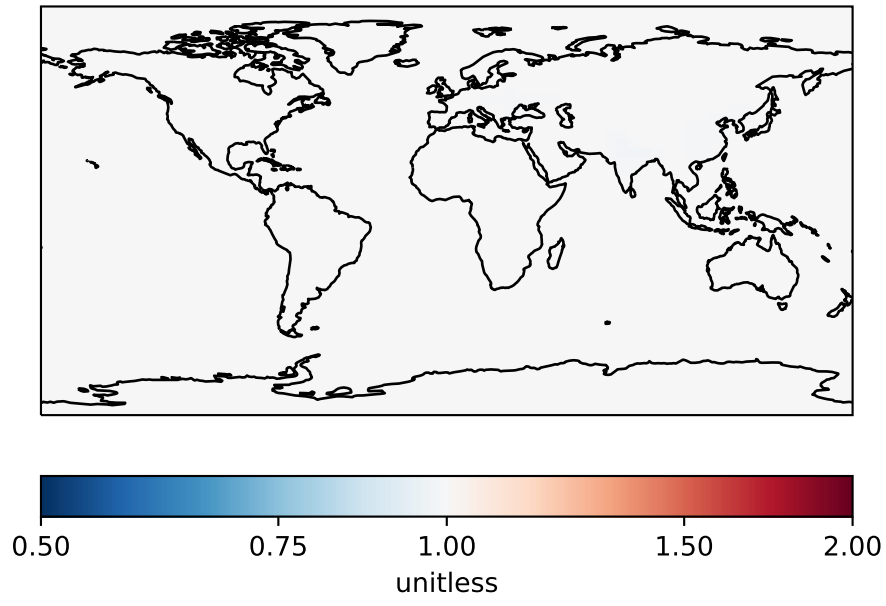
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

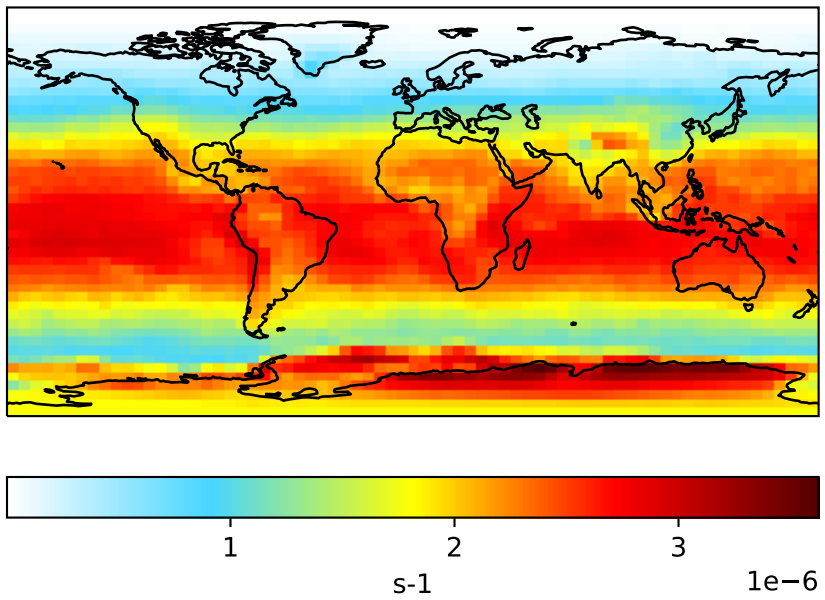


Ratio
Dev/Ref, Fixed Range

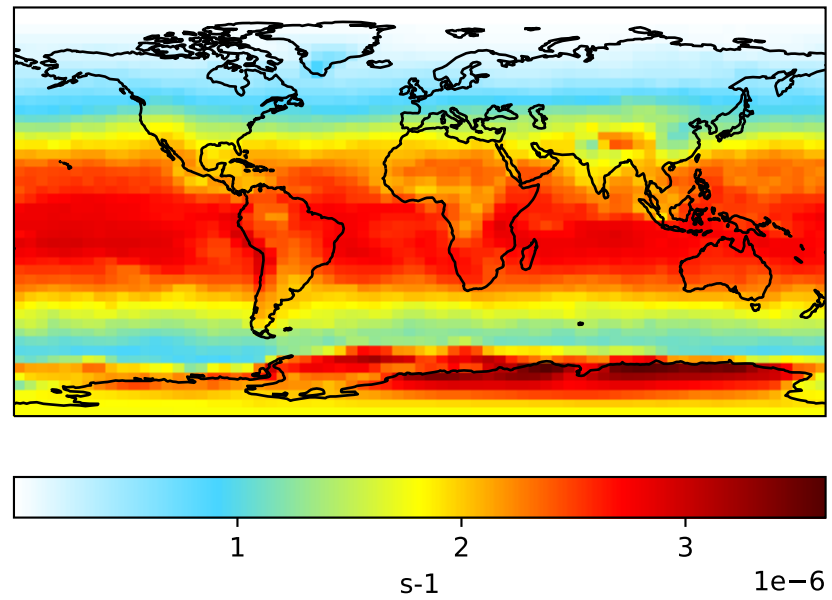


Jval_INPD (Oct2019)

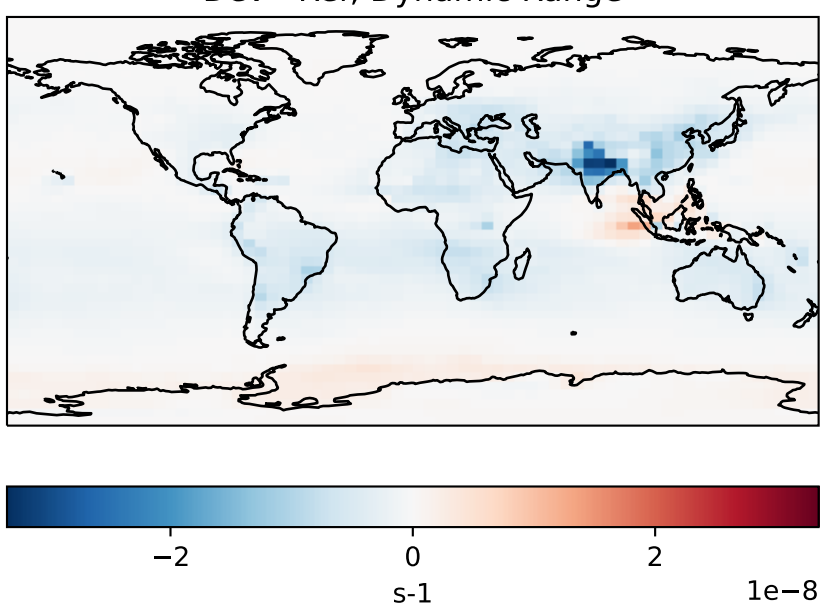
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



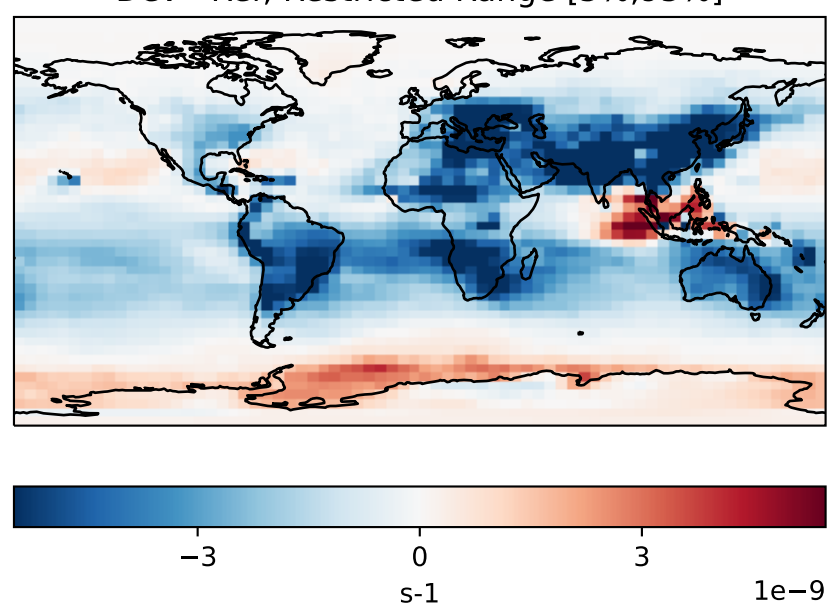
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



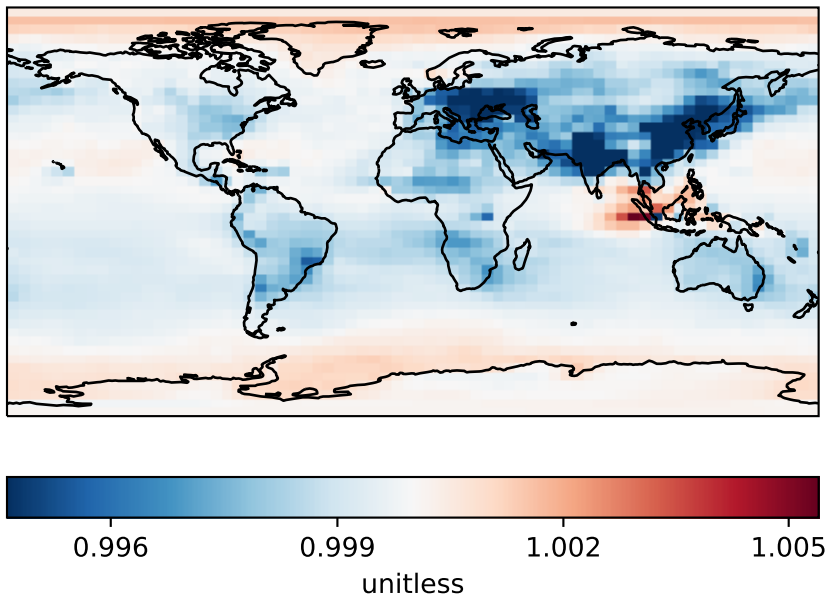
Difference
Dev - Ref, Dynamic Range



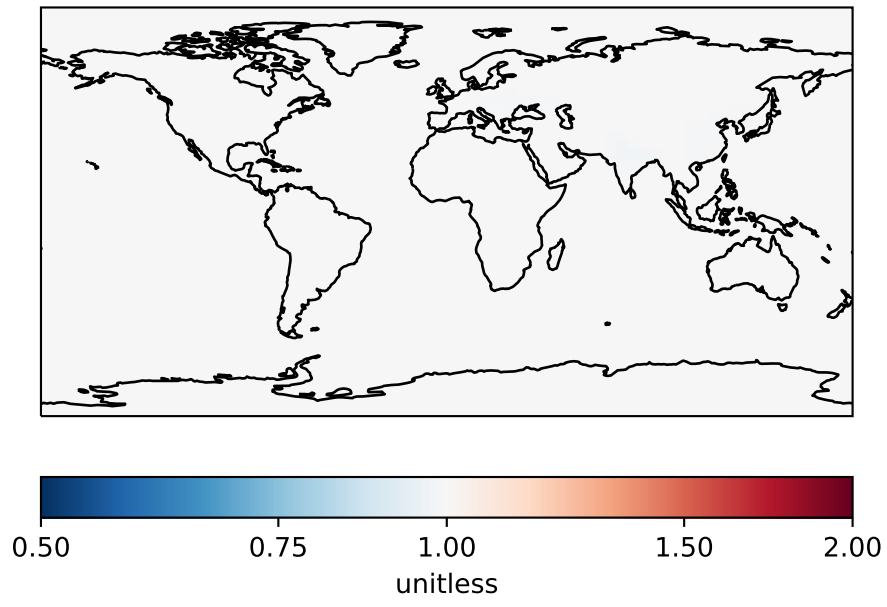
Difference
Dev - Ref, Restricted Range [5%,95%]



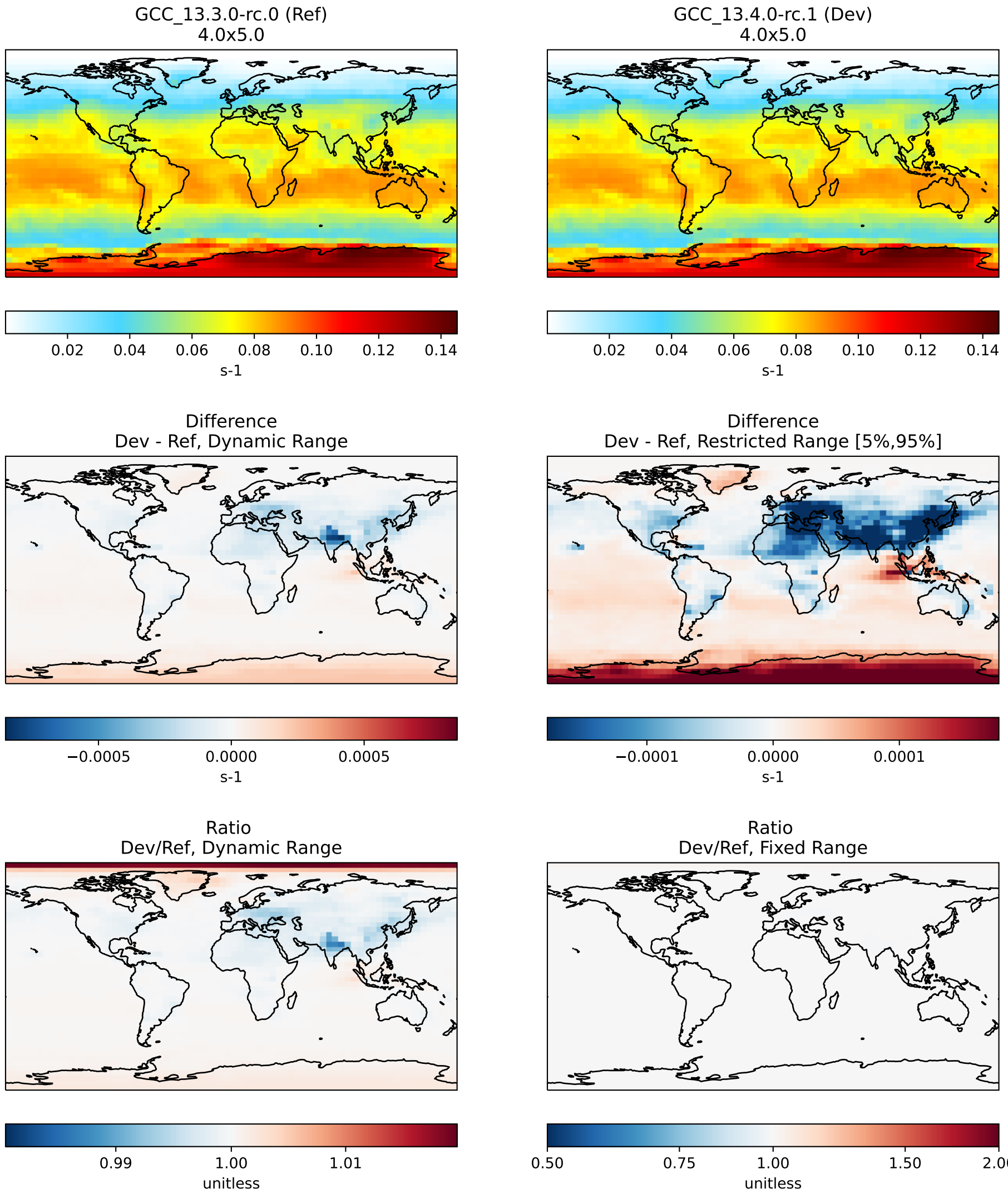
Ratio
Dev/Ref, Dynamic Range



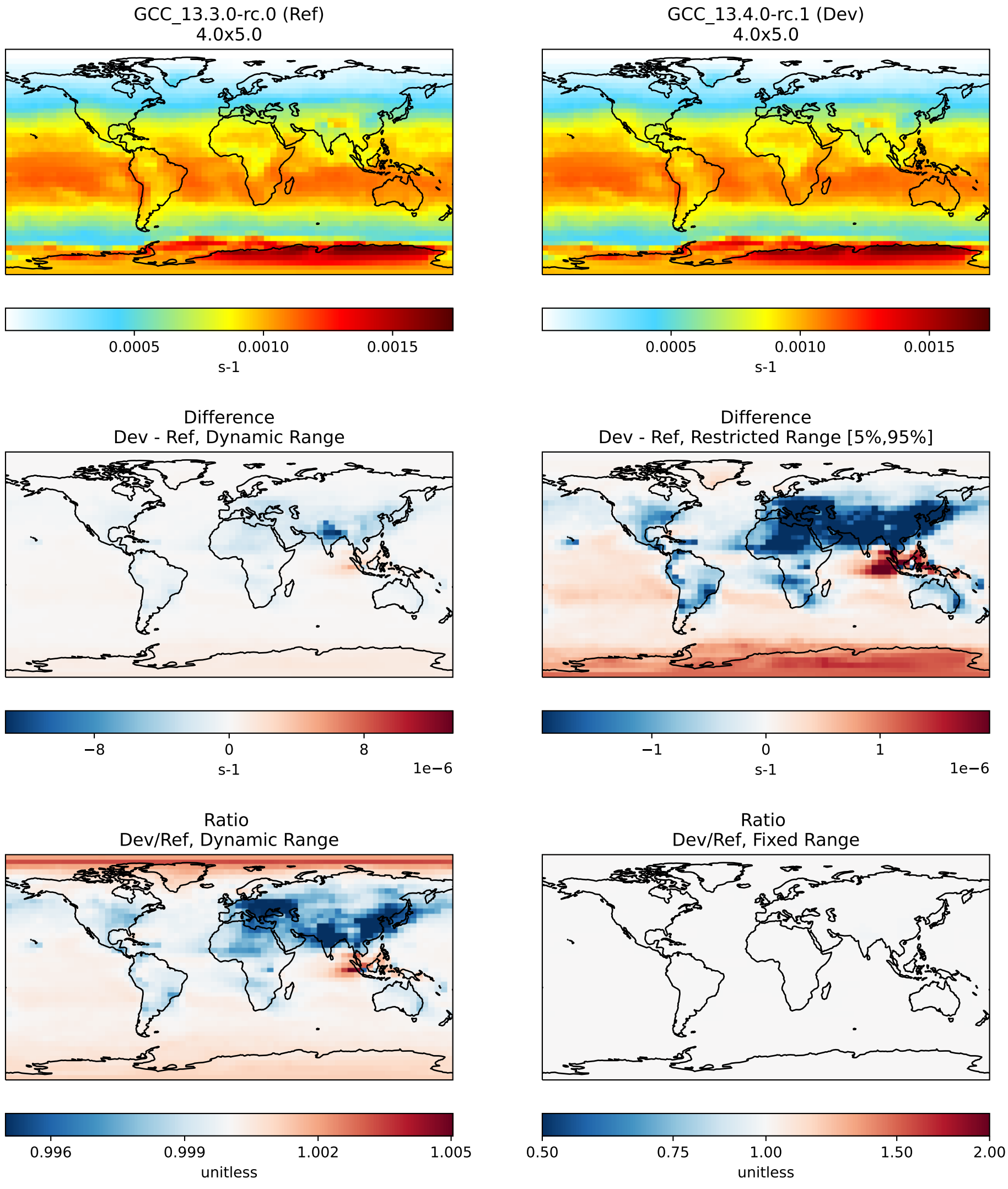
Ratio
Dev/Ref, Fixed Range



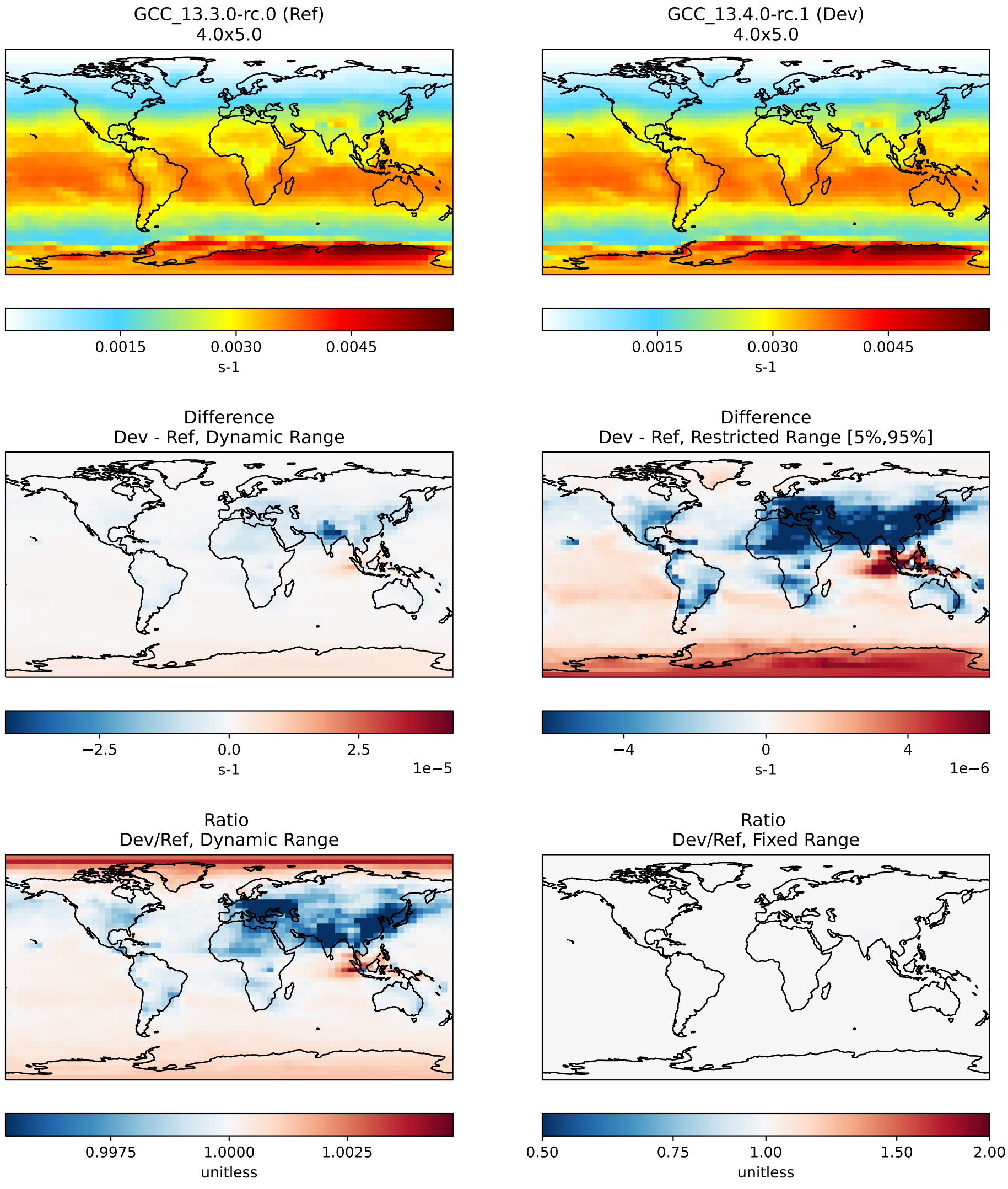
Jval_IO (Oct2019)



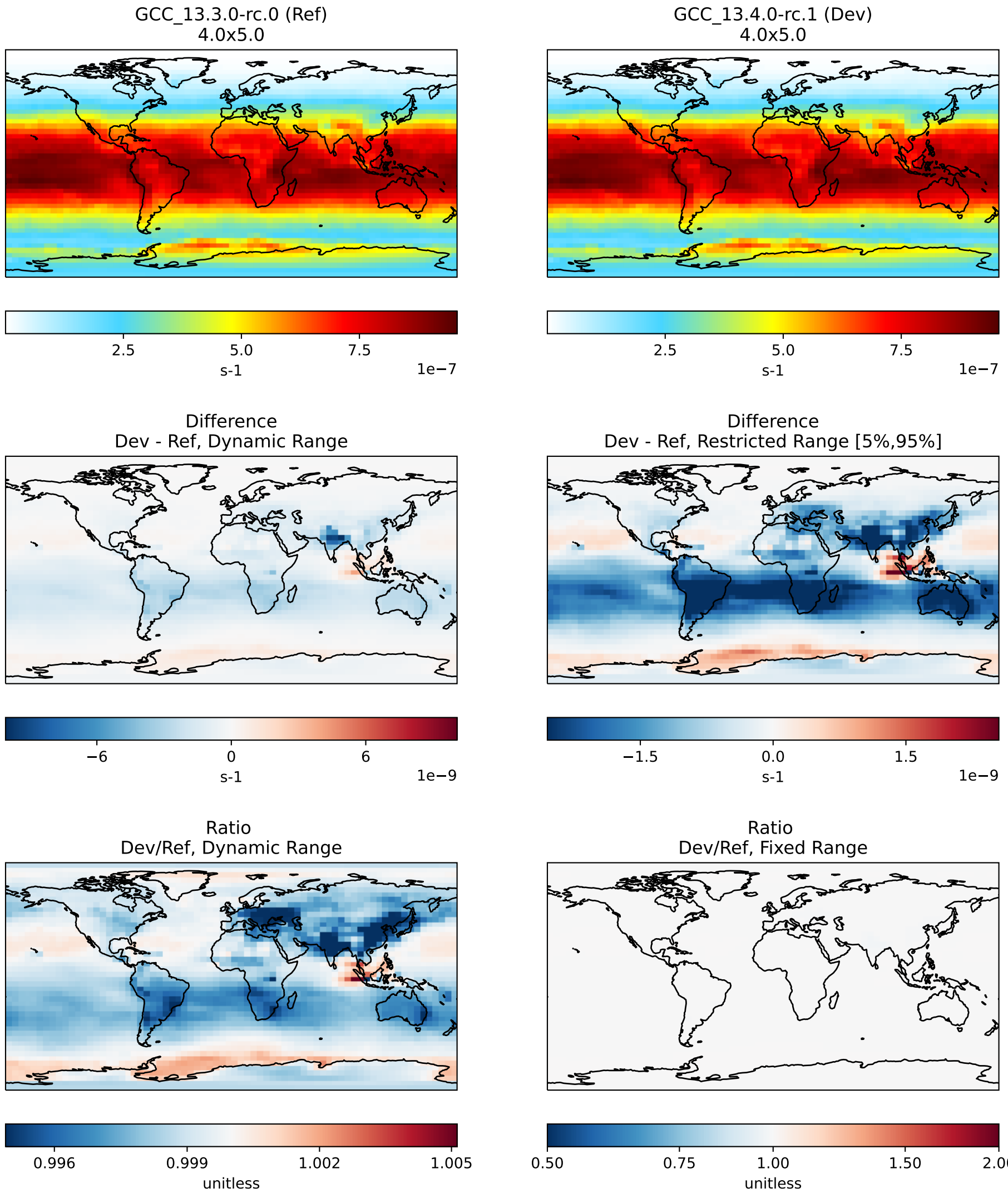
Jval_IONO (Oct2019)



Jval_IONO2 (Oct2019)

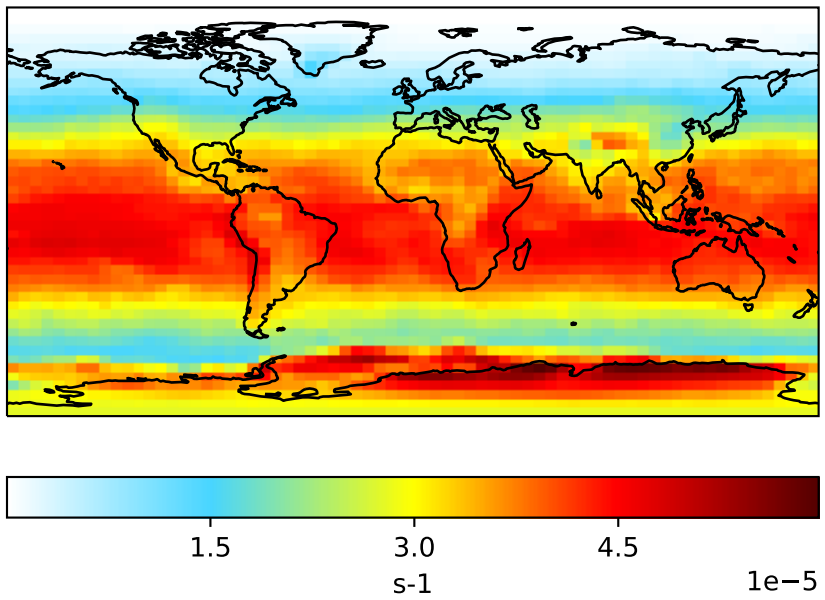


Jval_IPRNO3 (Oct2019)

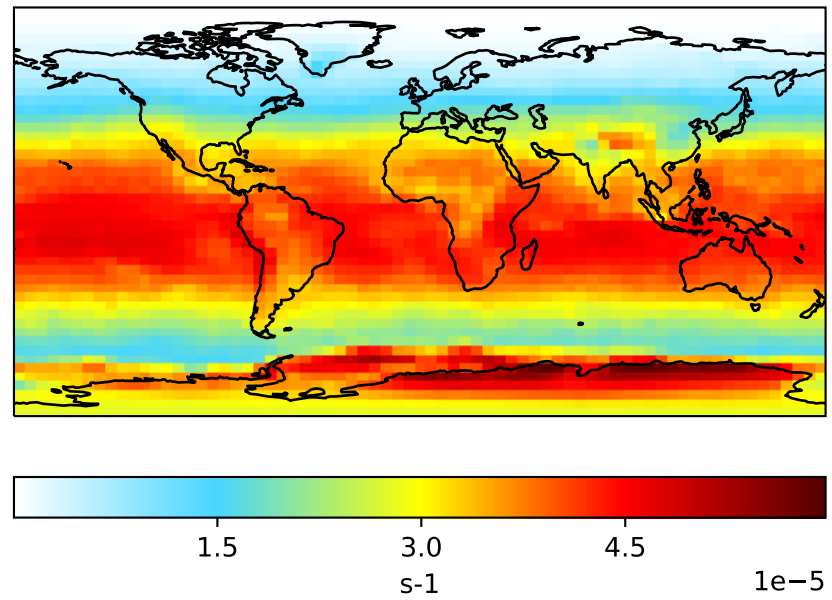


Jval_ITCN (Oct2019)

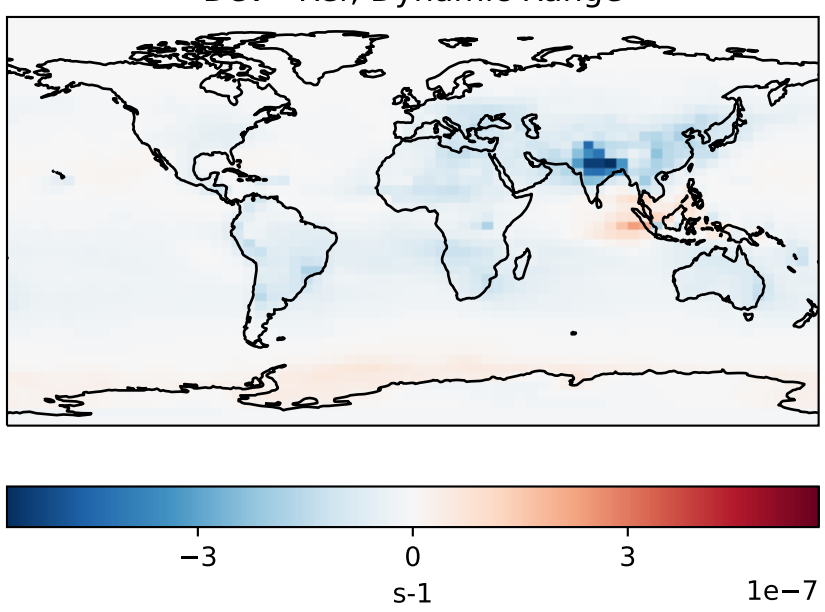
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



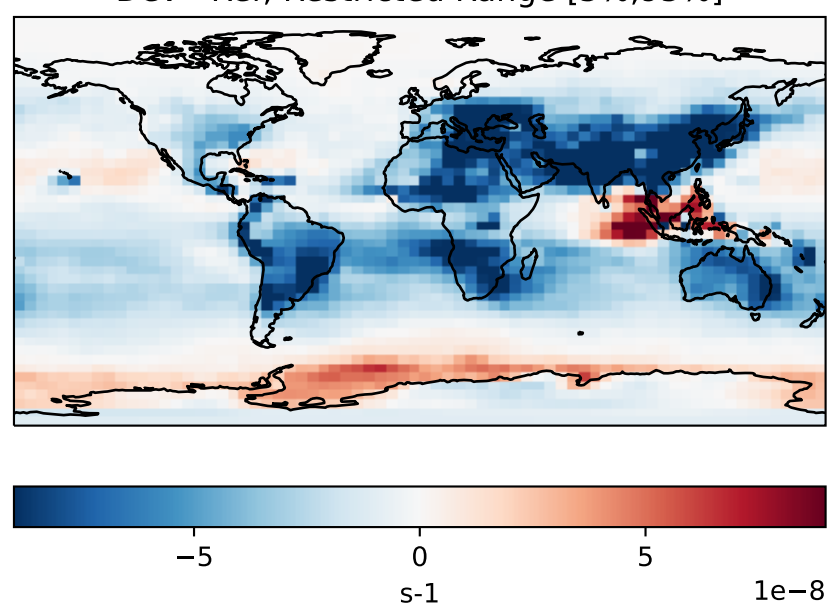
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



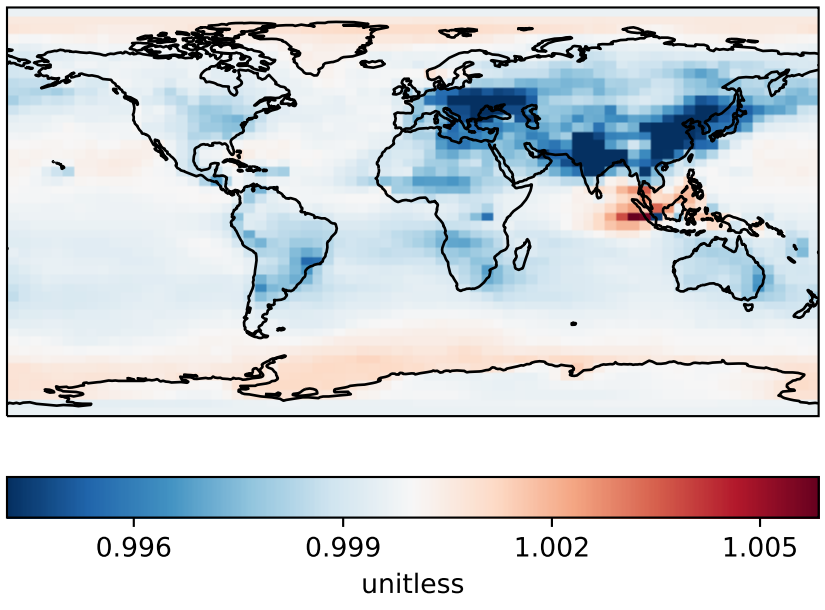
Difference
Dev - Ref, Dynamic Range



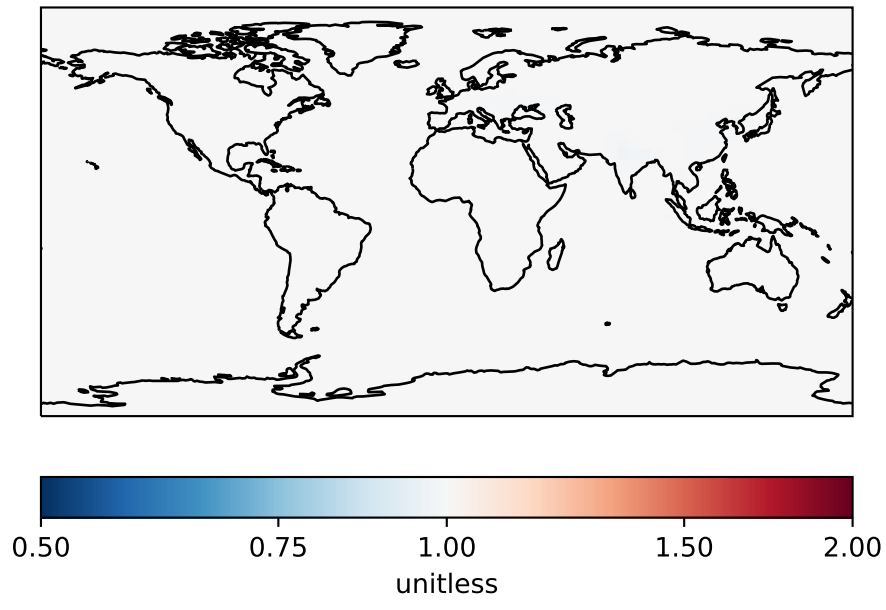
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

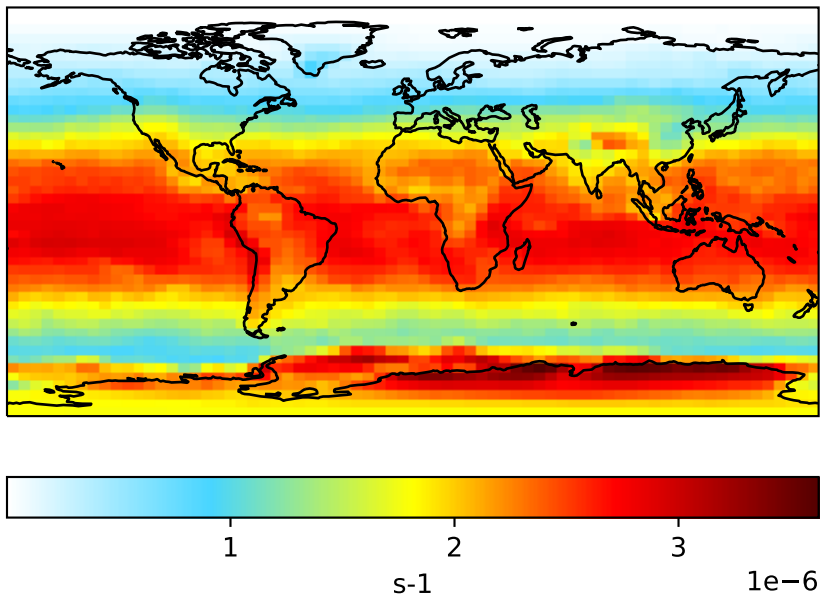


Ratio
Dev/Ref, Fixed Range

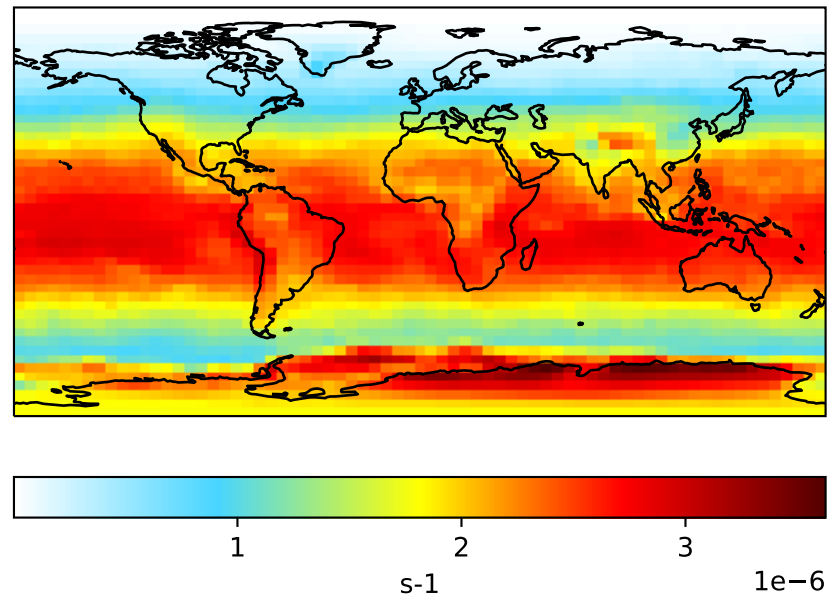


Jval_ITHN (Oct2019)

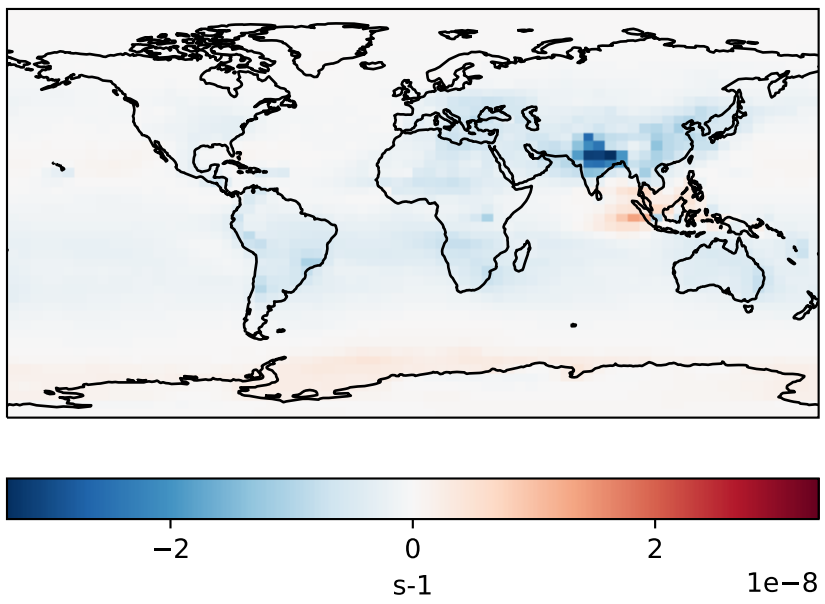
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



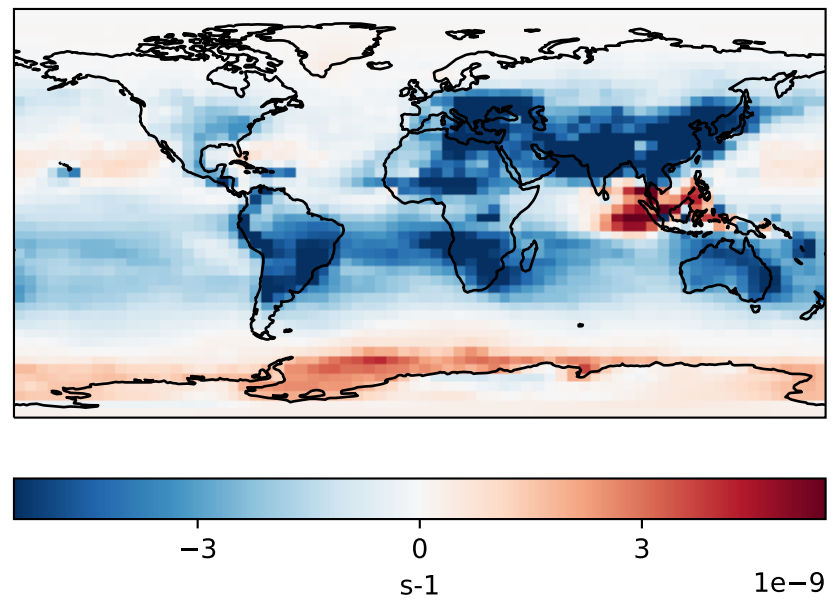
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



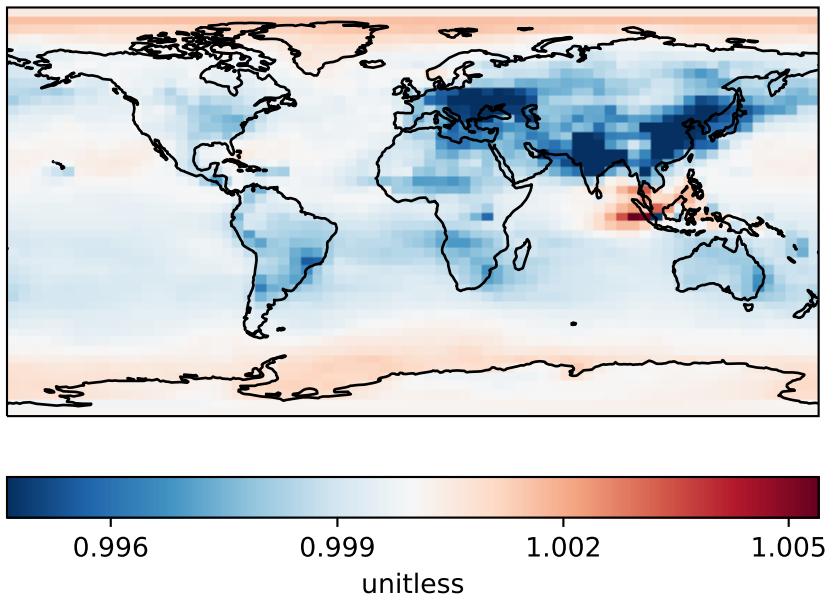
Difference
Dev - Ref, Dynamic Range



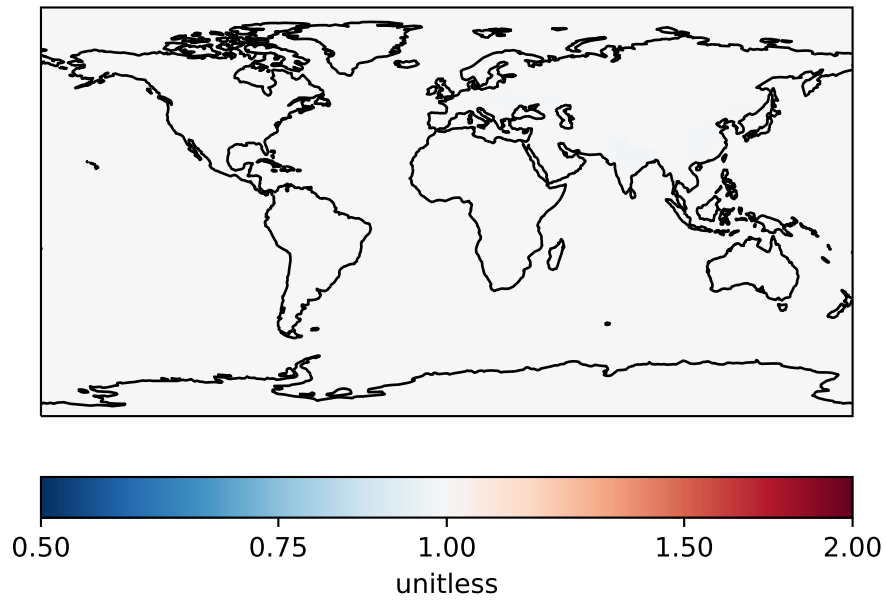
Difference
Dev - Ref, Restricted Range [5%,95%]



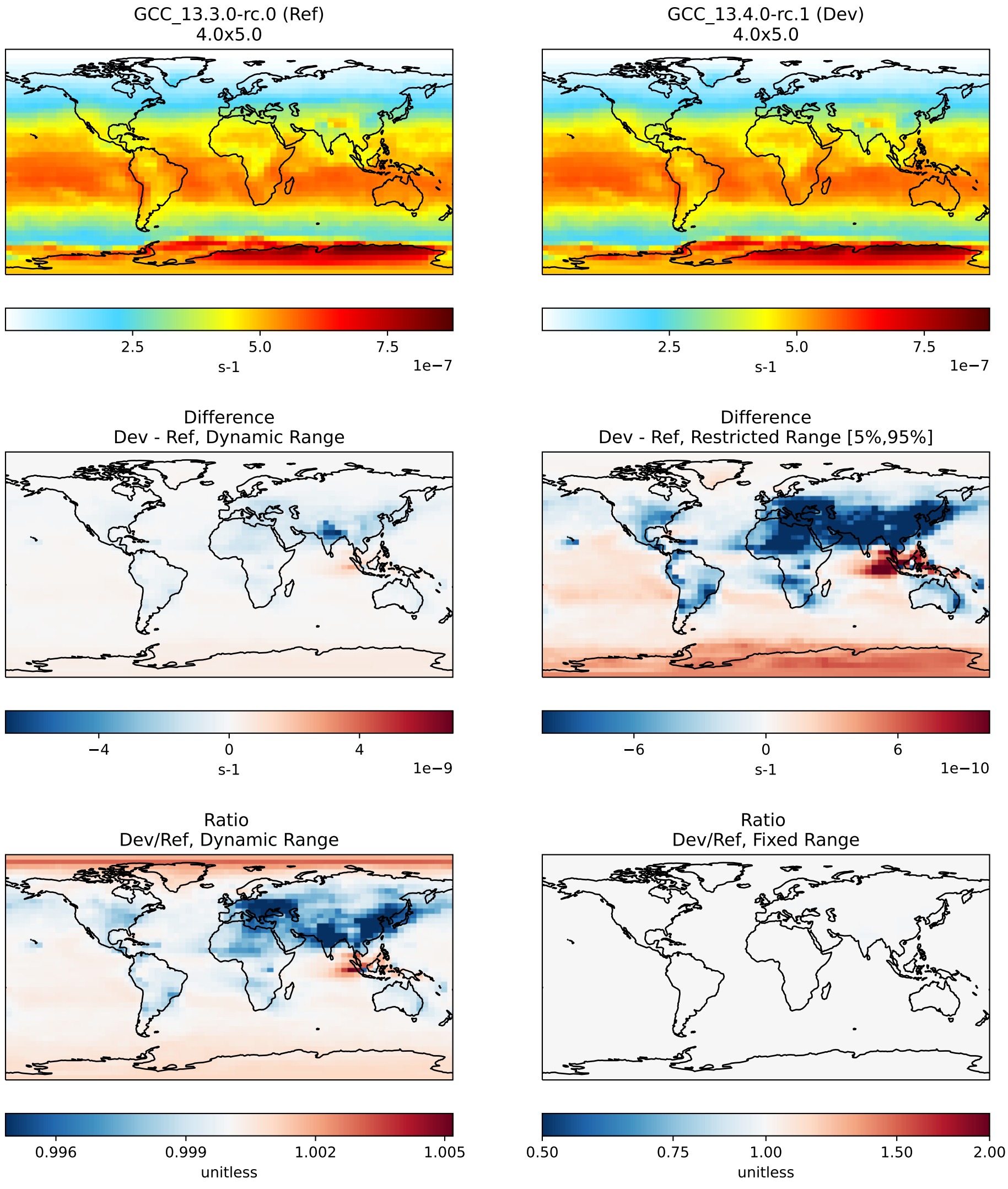
Ratio
Dev/Ref, Dynamic Range



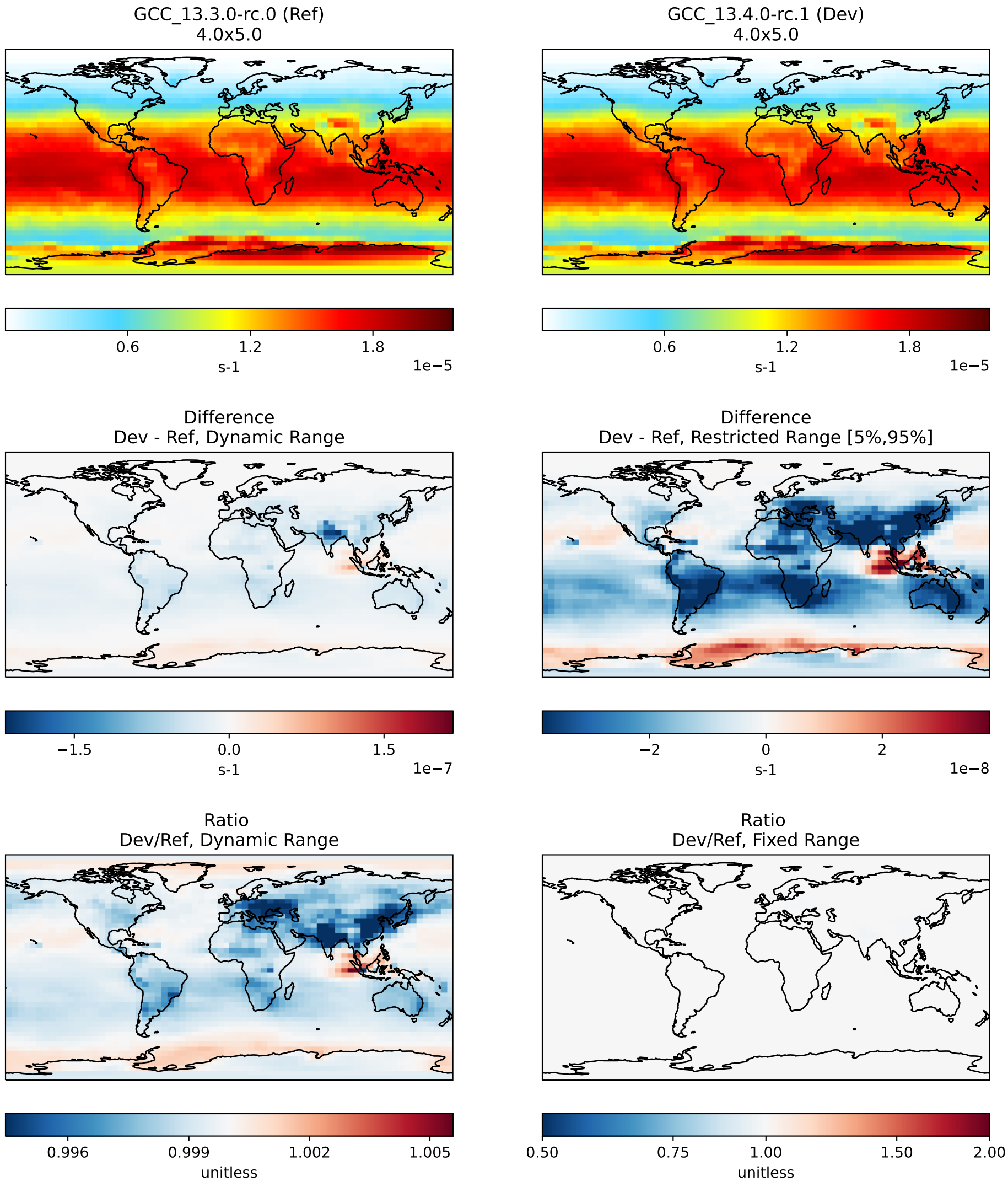
Ratio
Dev/Ref, Fixed Range



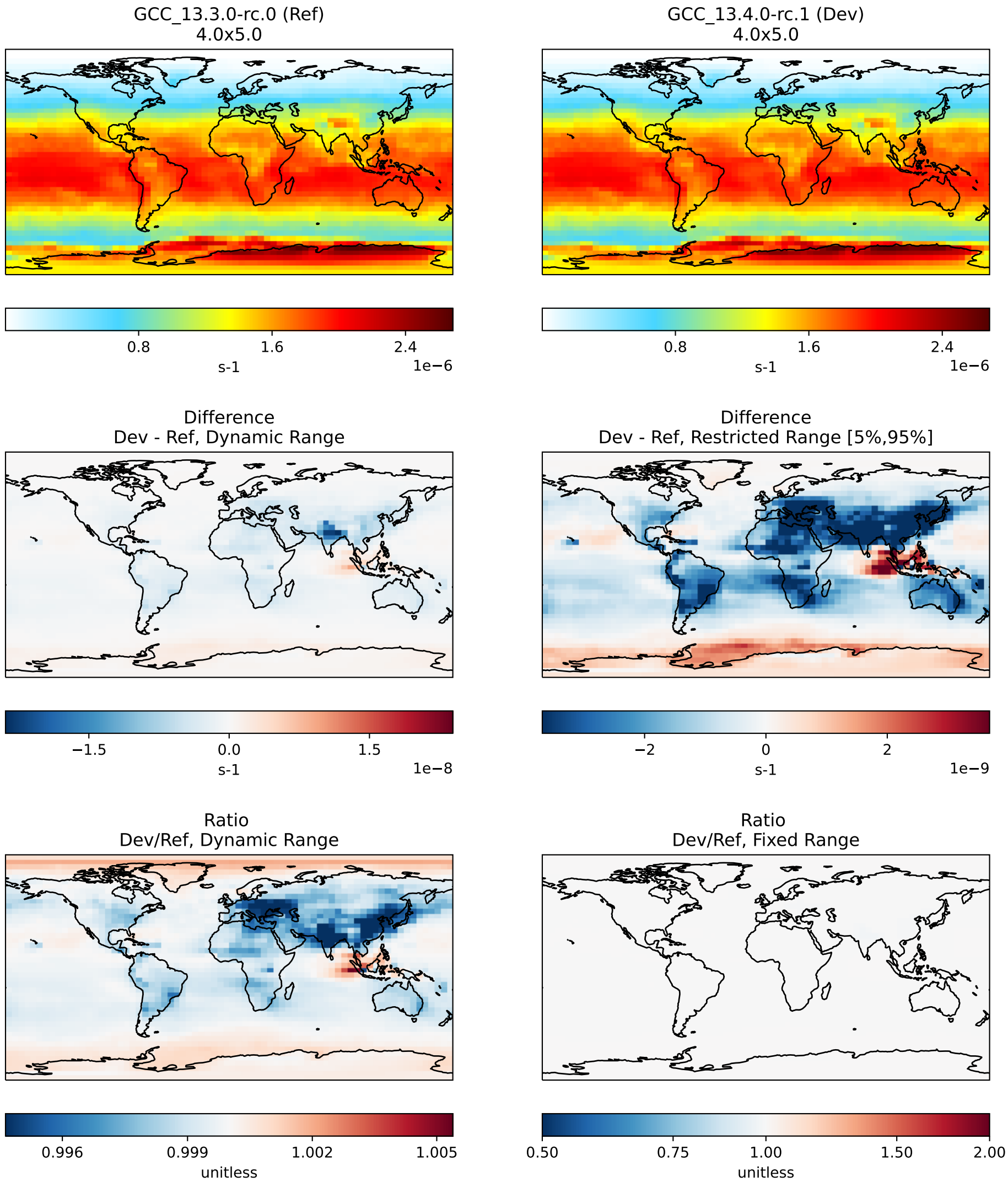
Jval_MACR (Oct2019)



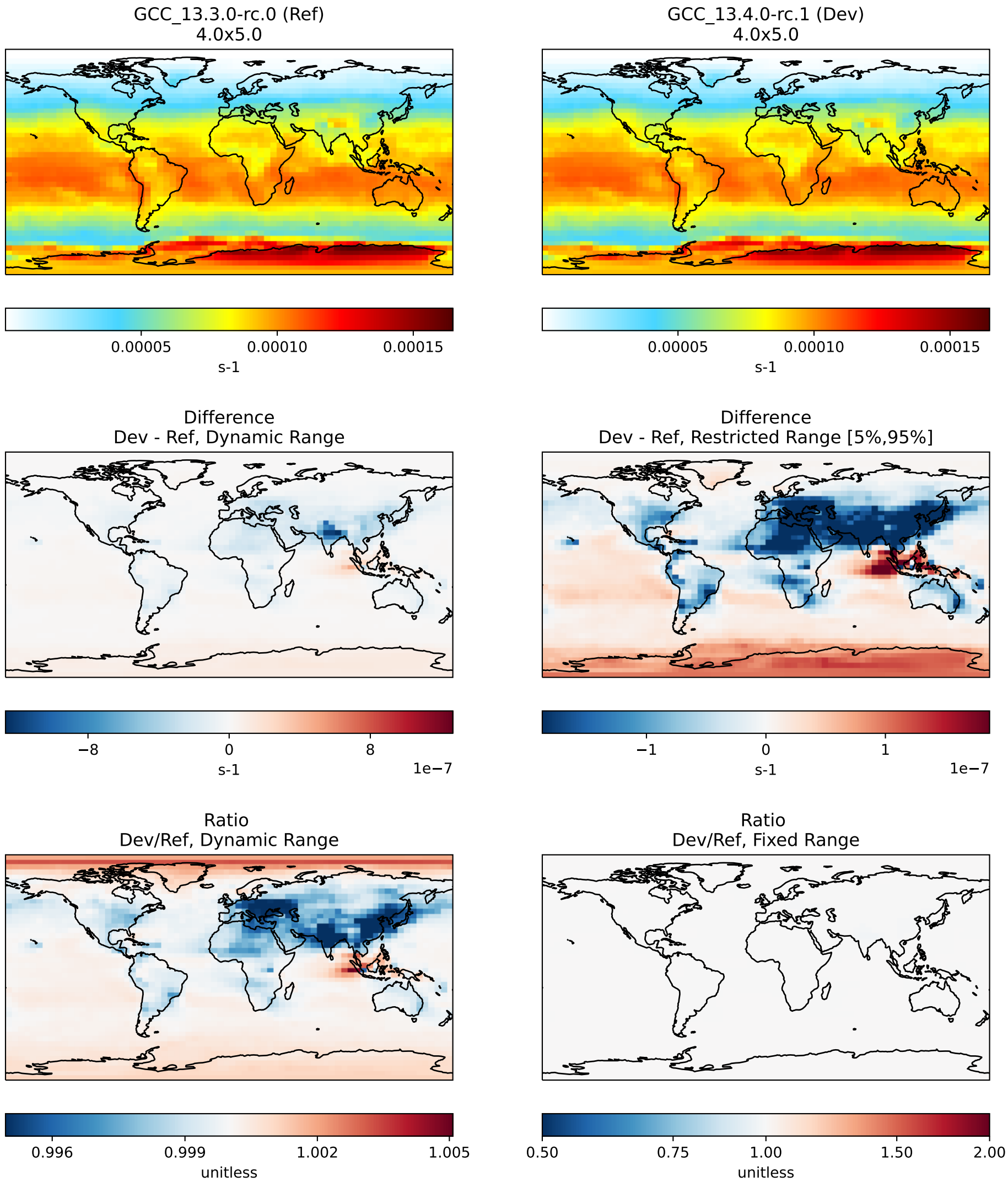
Jval_MACR1OOH (Oct2019)



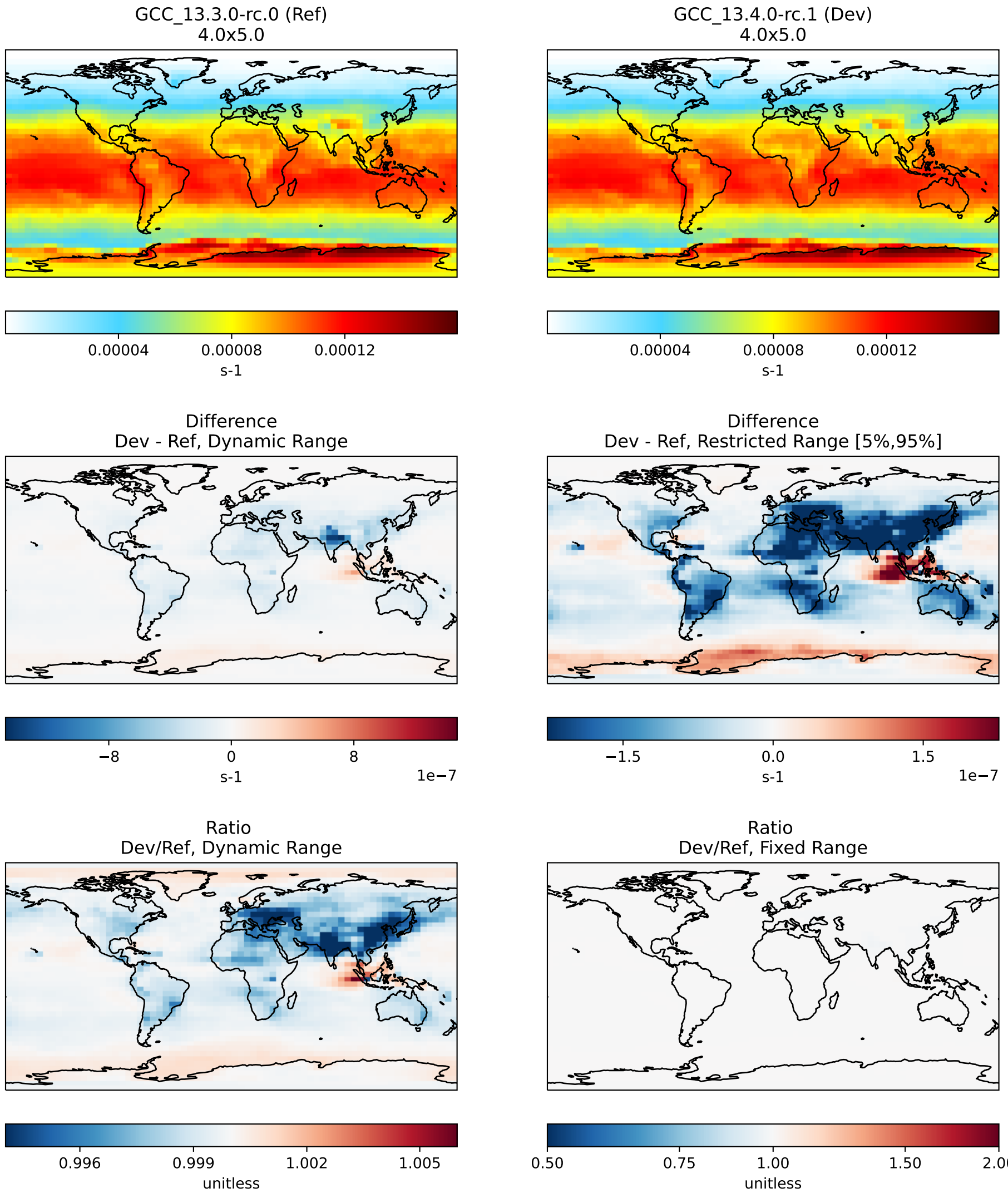
Jval_MAP (Oct2019)



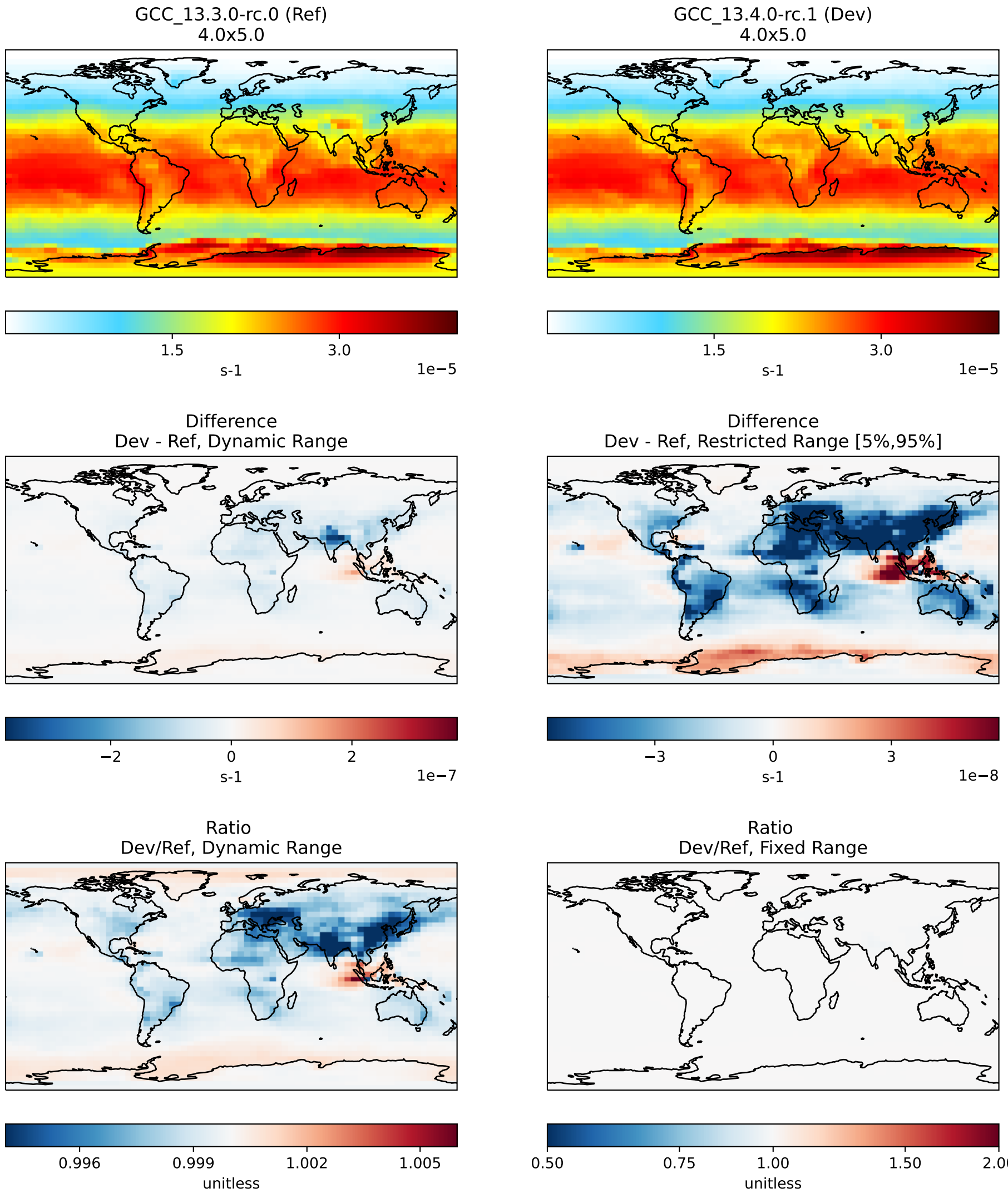
Jval_MCRENOL (Oct2019)



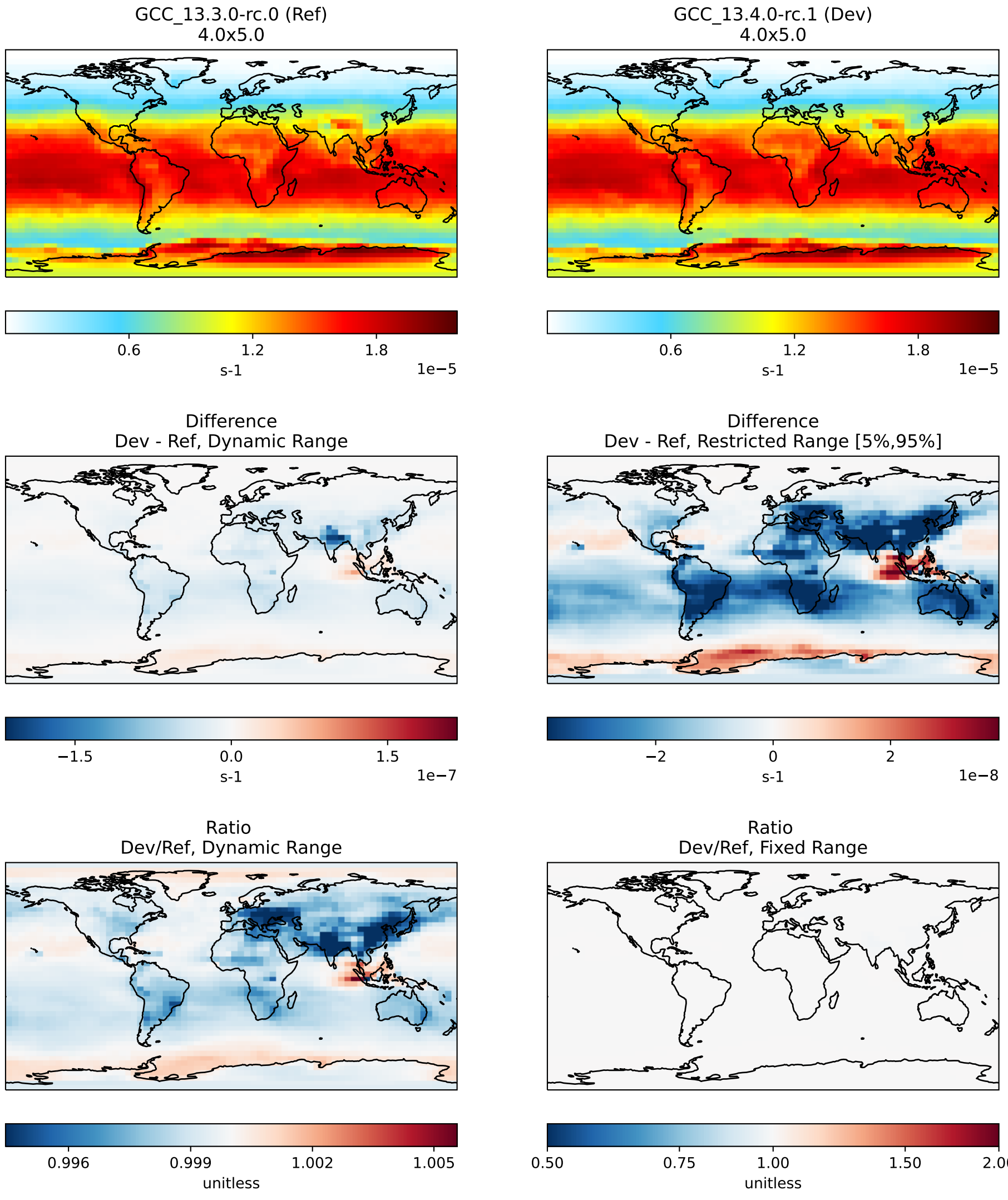
Jval_MCRHN (Oct2019)



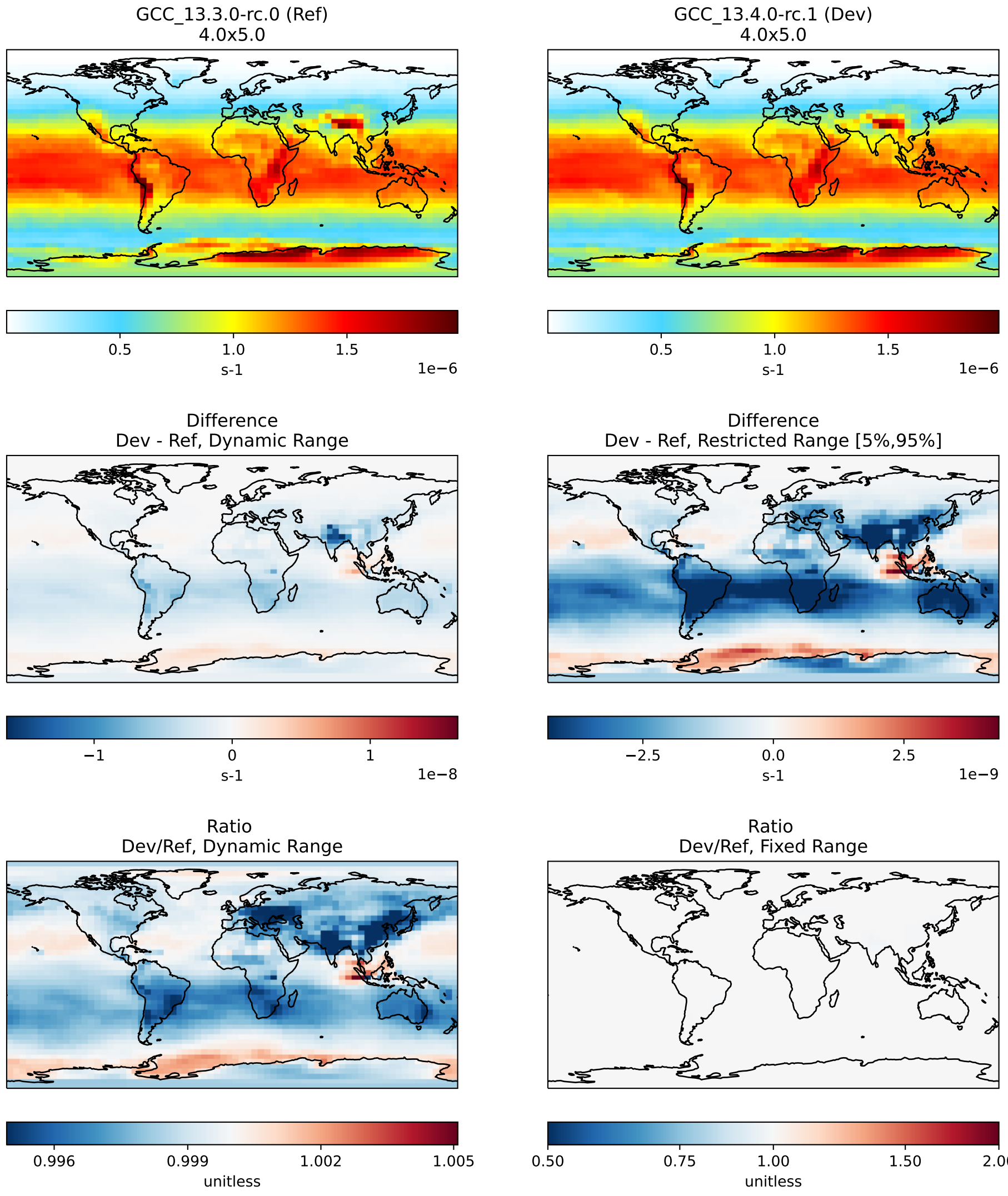
Jval_MCRHNB (Oct2019)



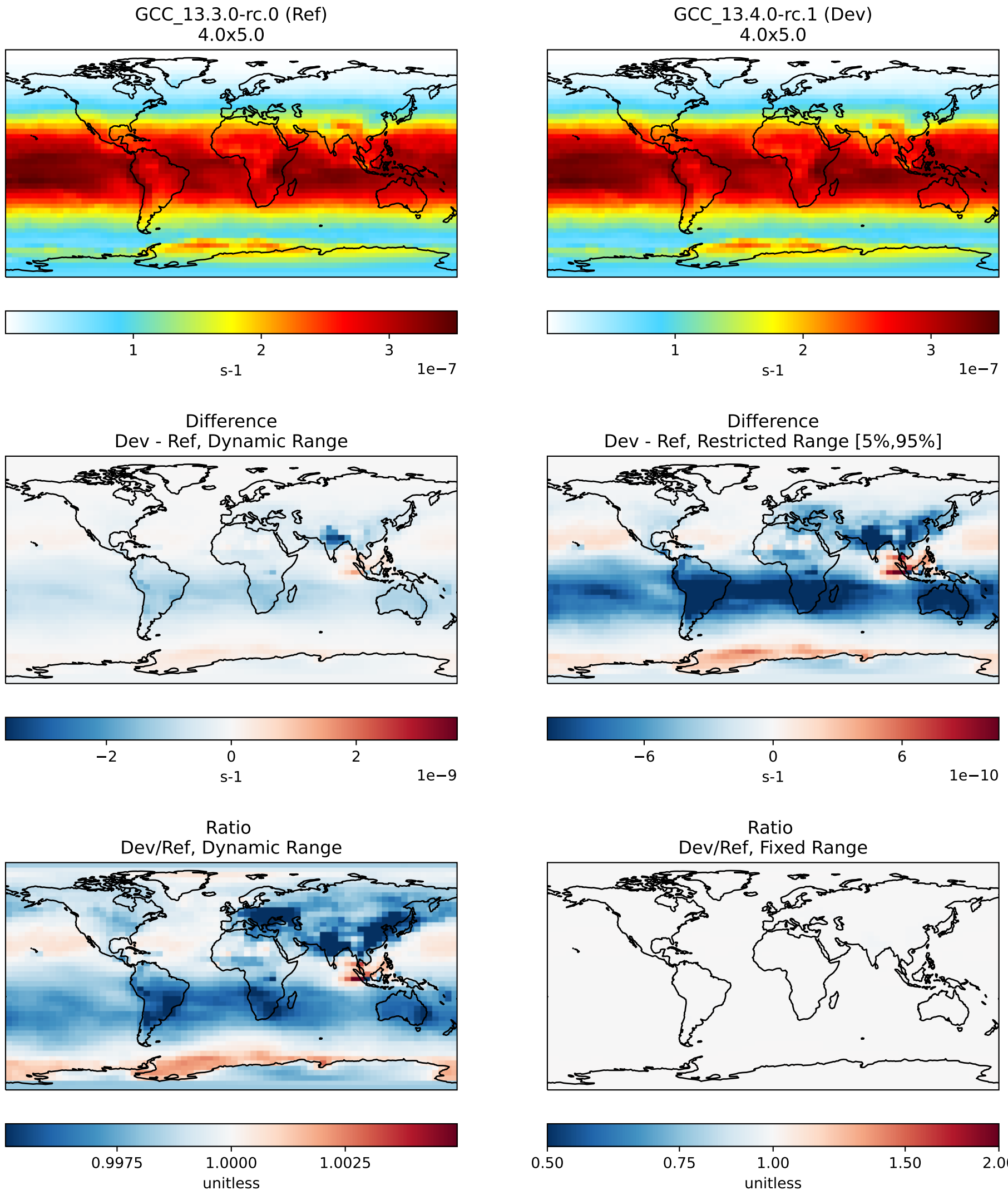
Jval_MCRHP (Oct2019)



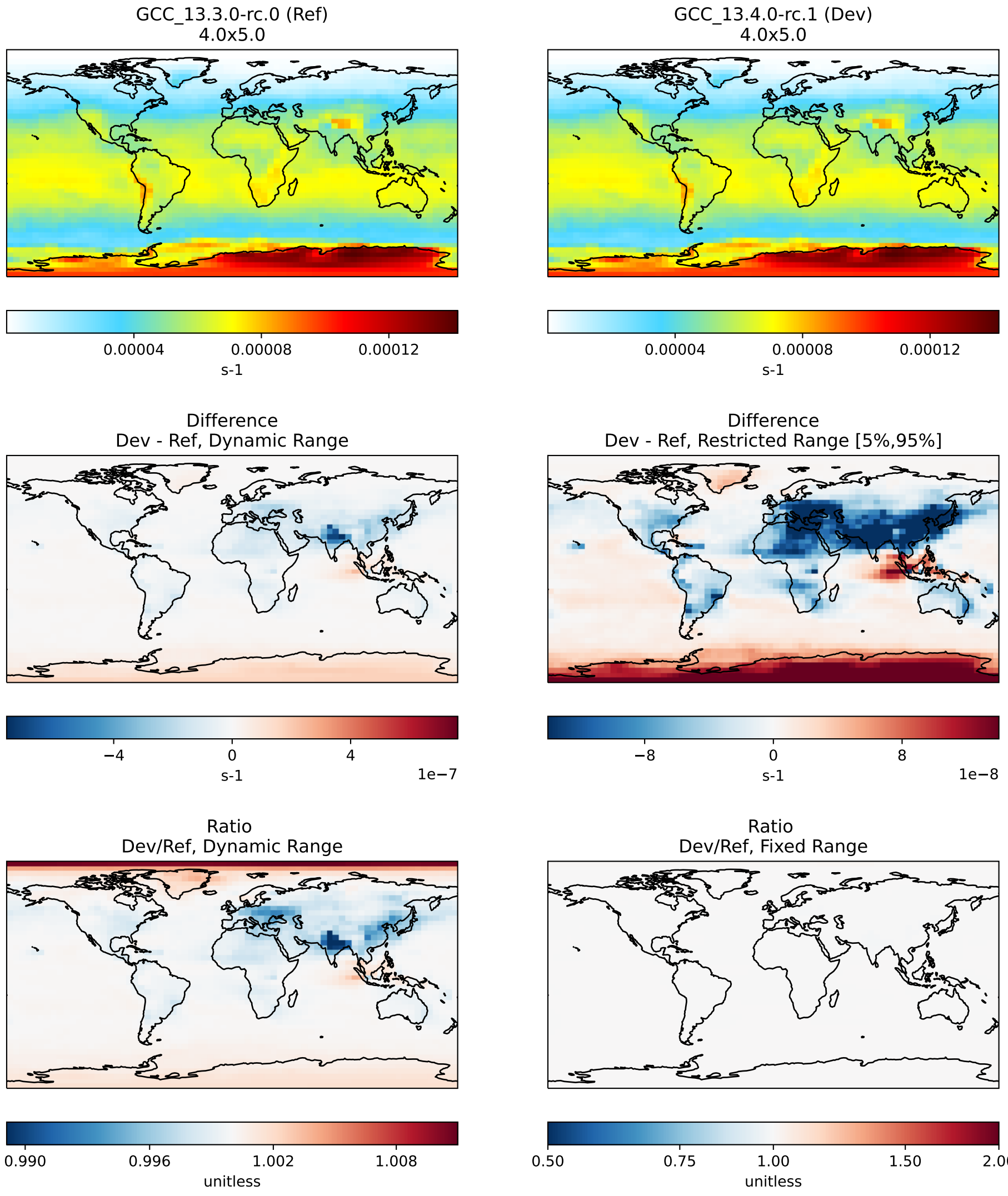
Jval_MEK (Oct2019)



Jval_MENO3 (Oct2019)

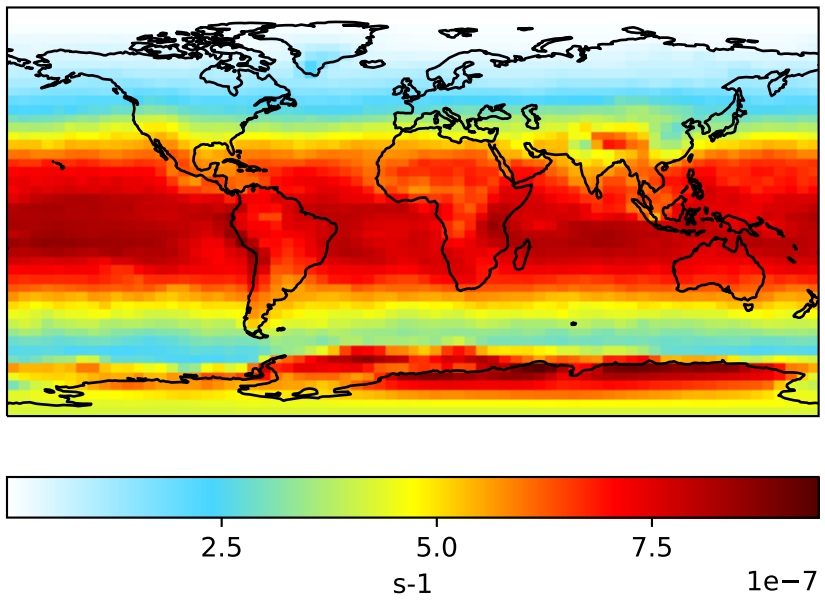


Jval_MGLY (Oct2019)

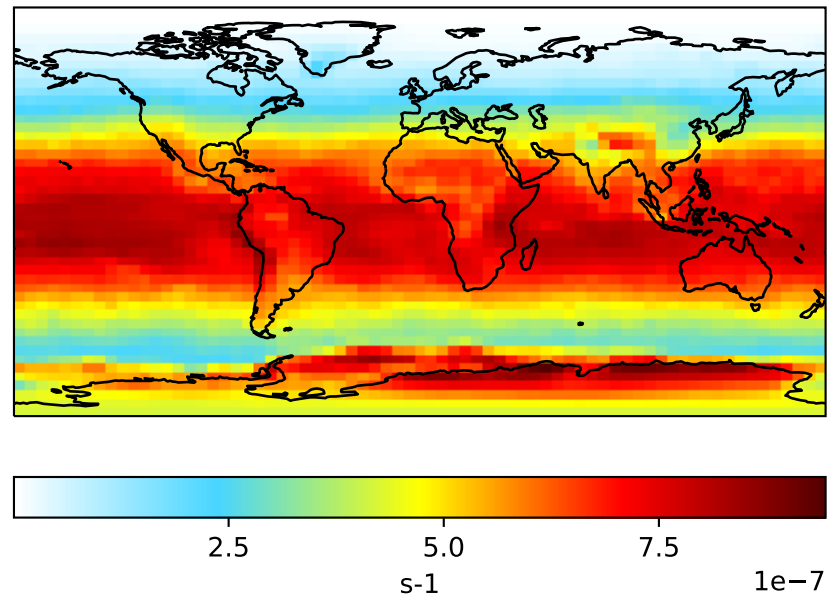


Jval_MONITS (Oct2019)

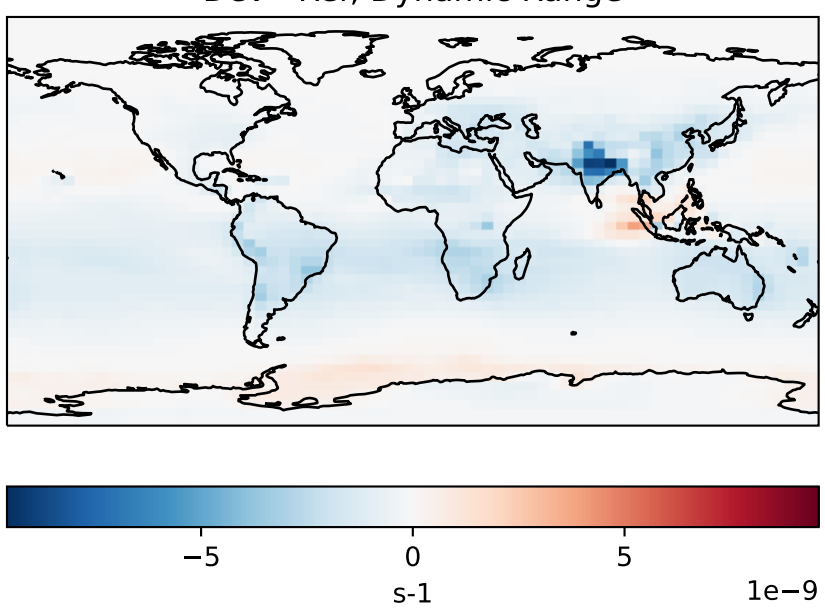
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



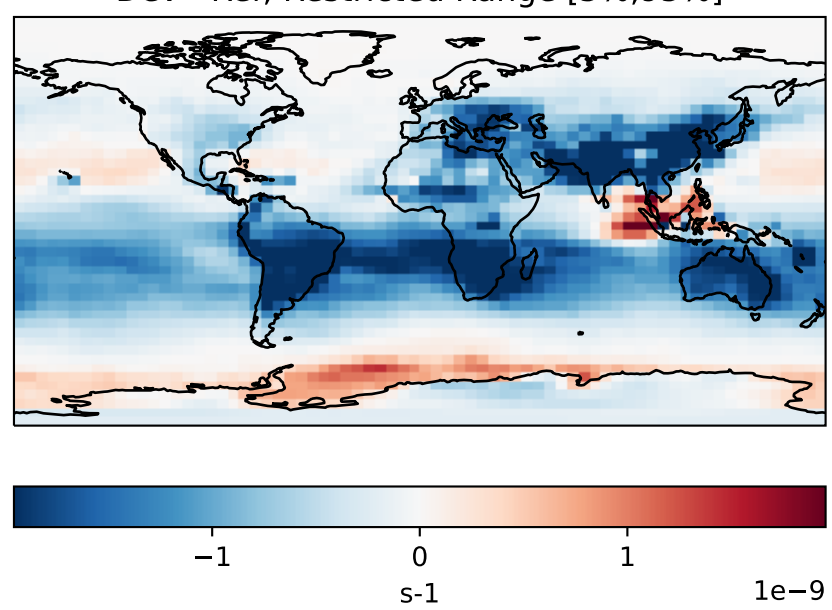
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



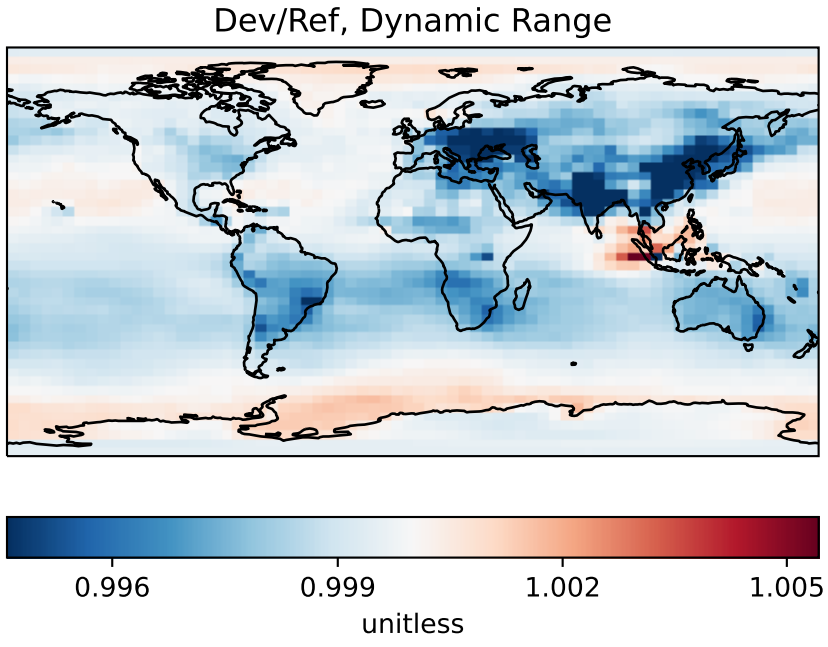
Difference
Dev - Ref, Dynamic Range



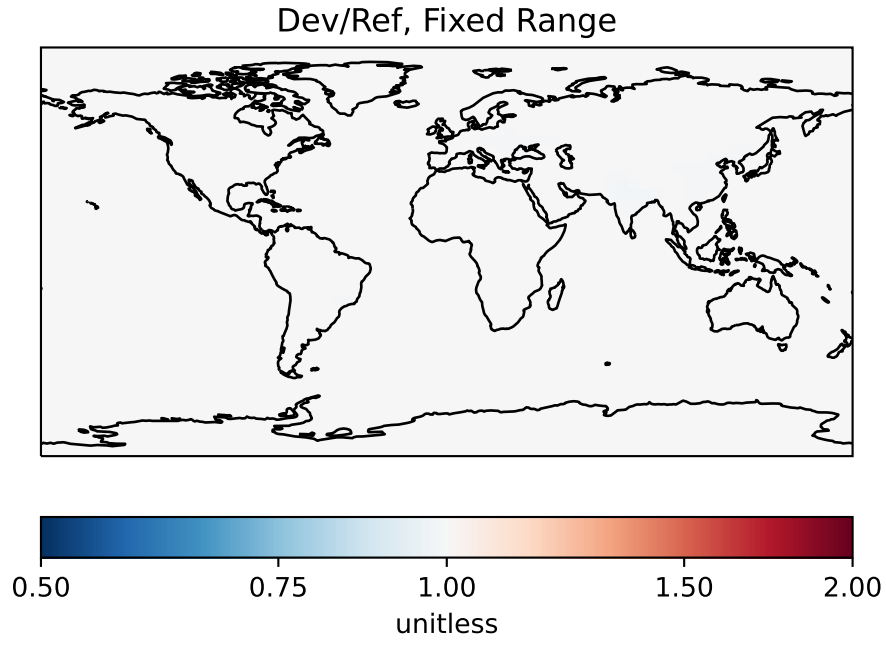
Difference
Dev - Ref, Restricted Range [5%,95%]



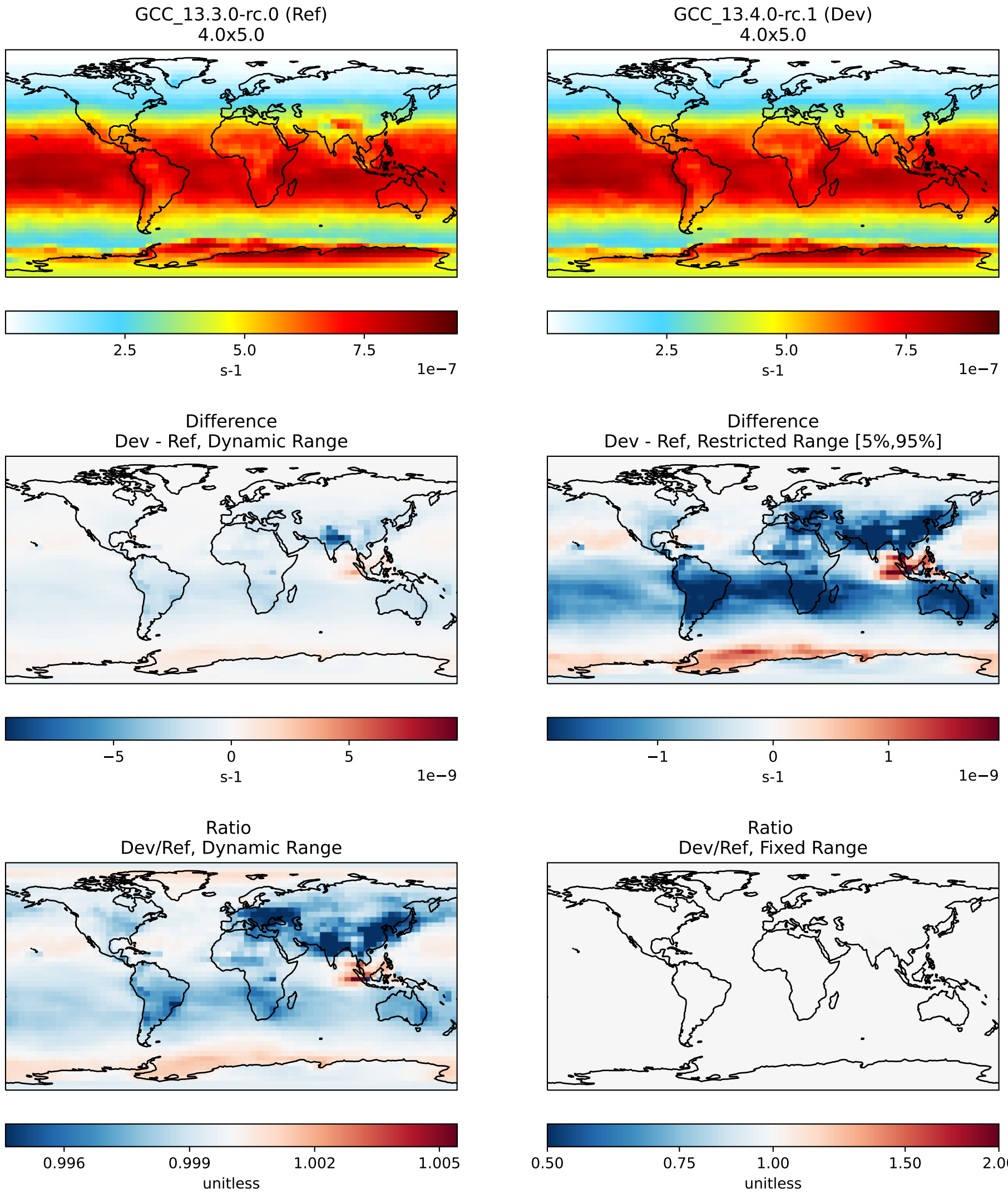
Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

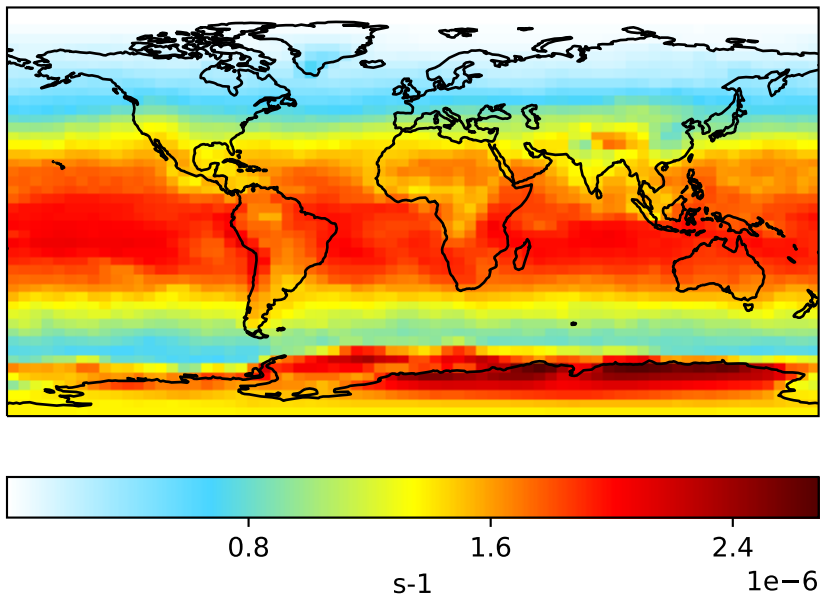


Jval_MONITU (Oct2019)

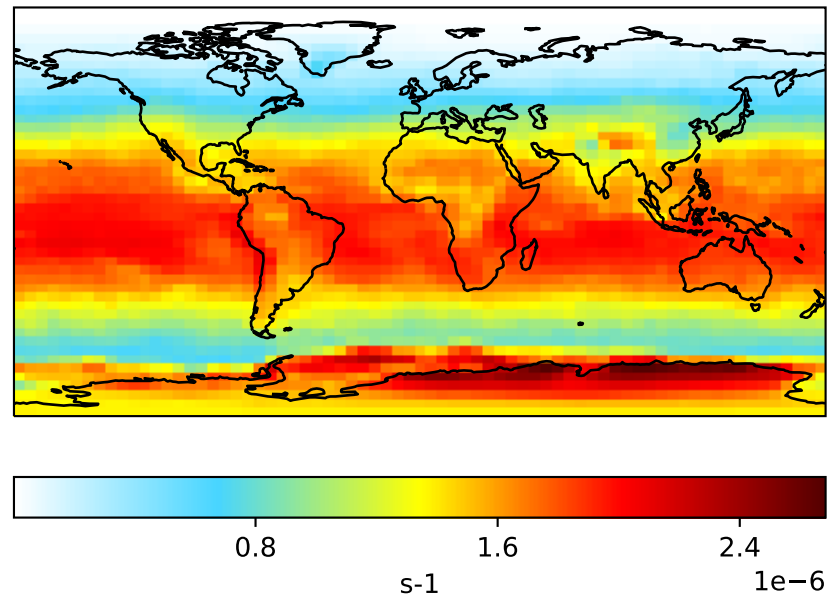


Jval_MP (Oct2019)

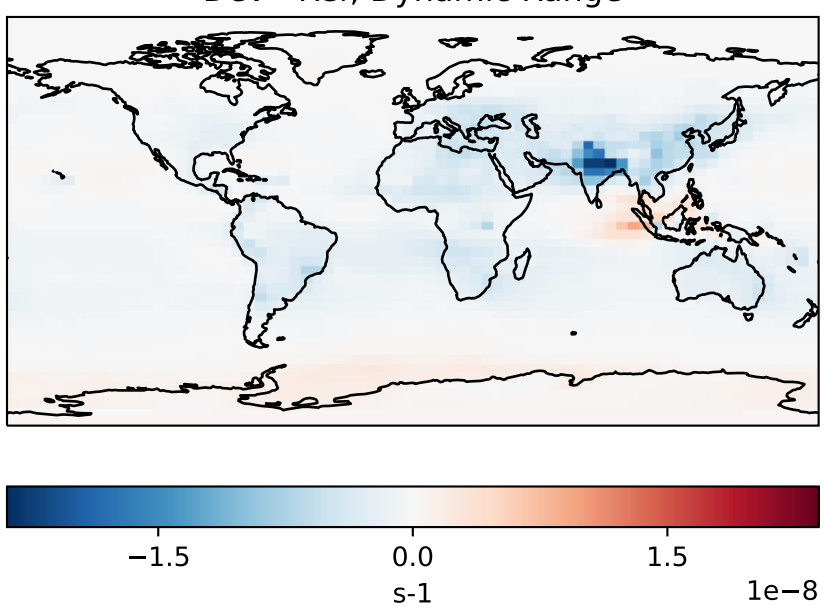
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



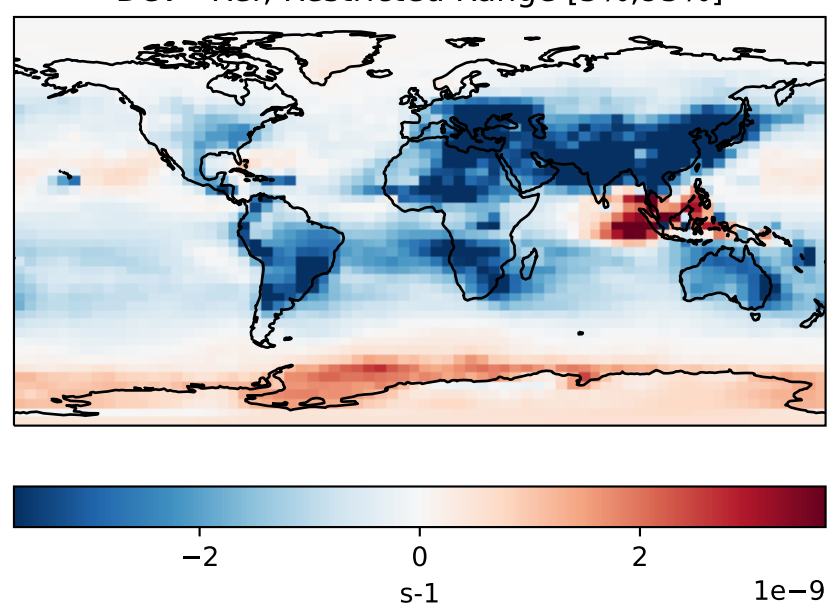
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



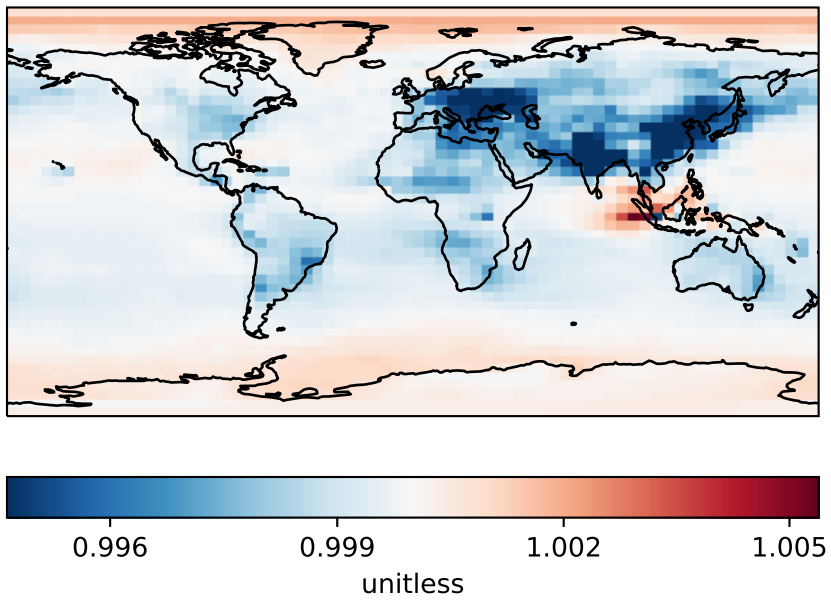
Difference
Dev - Ref, Dynamic Range



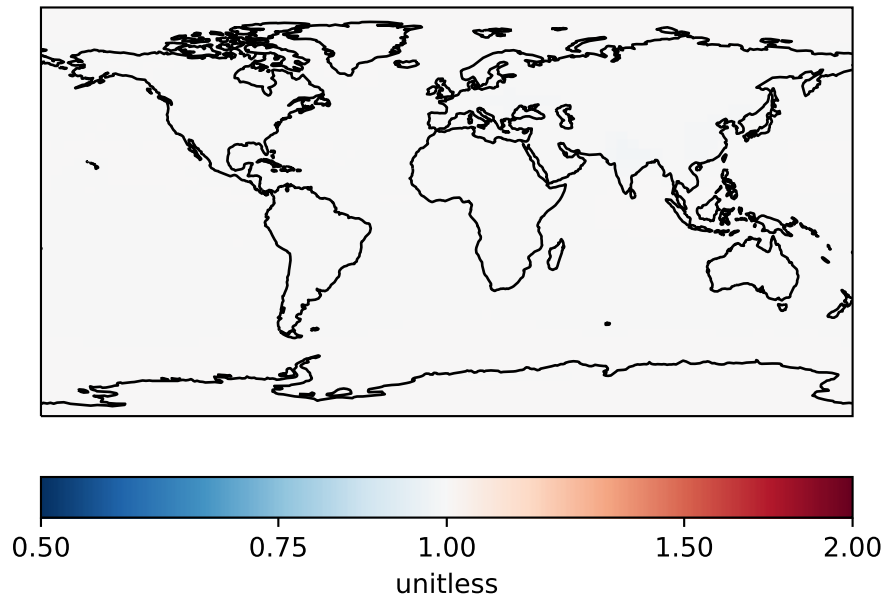
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

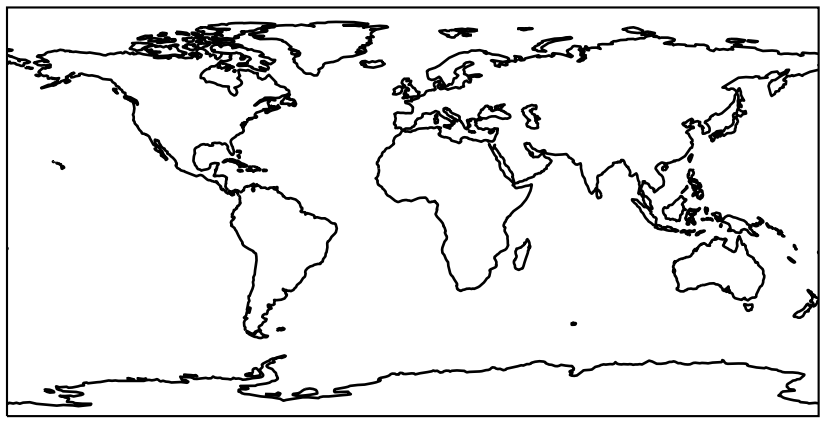


Ratio
Dev/Ref, Fixed Range



Jval_MPAN (Oct2019)

GCC_13.3.0-rc.0 (Ref)
4.0x5.0



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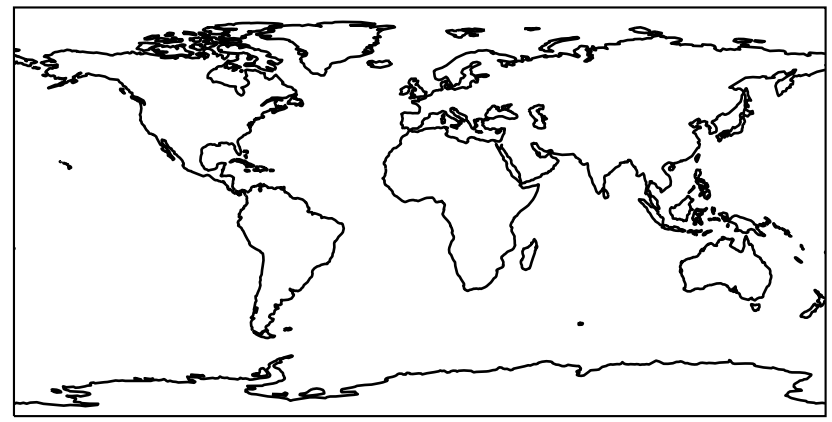
s-1

GCC_13.4.0-rc.1 (Dev)
4.0x5.0



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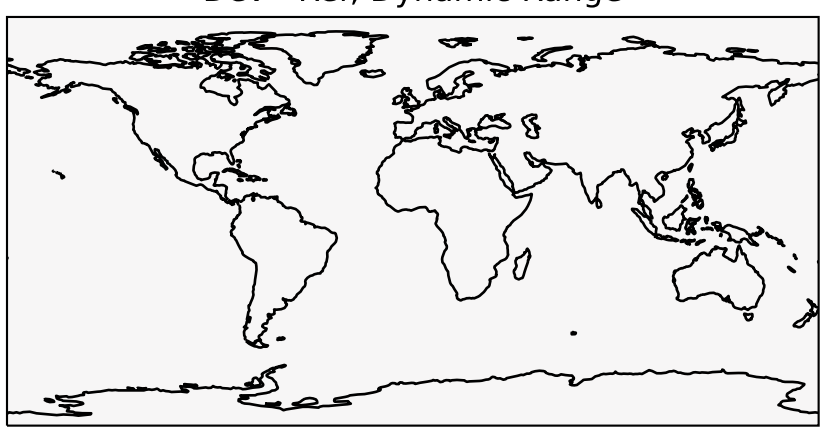
s-1

Difference
Dev - Ref, Dynamic Range



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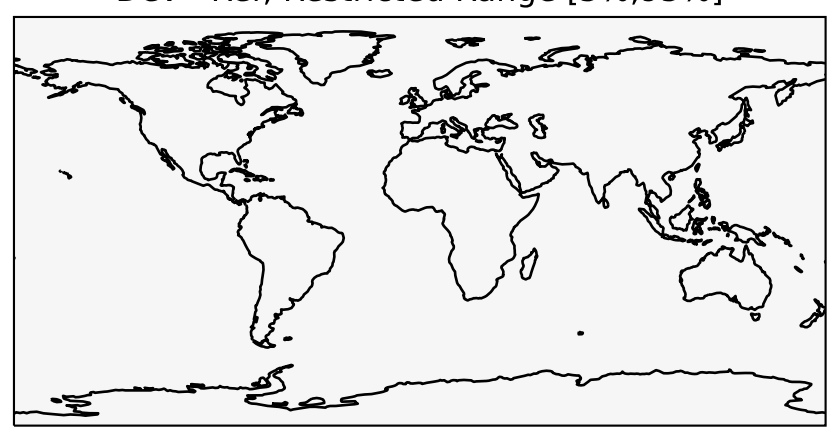
s-1

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



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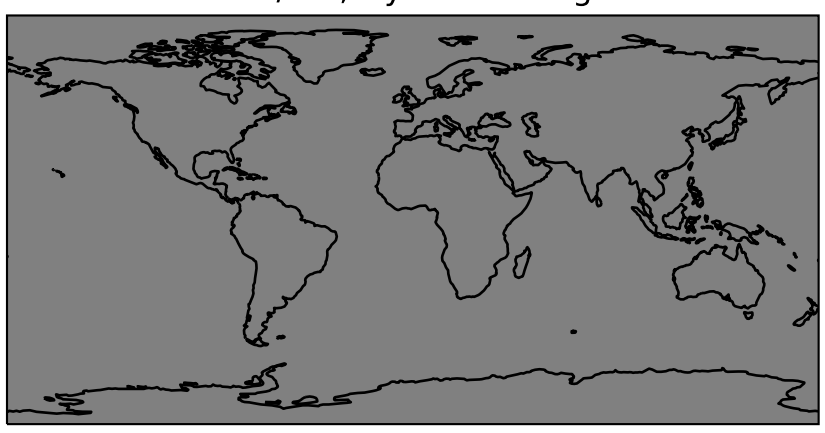
s-1

Ratio
Dev/Ref, Dynamic Range



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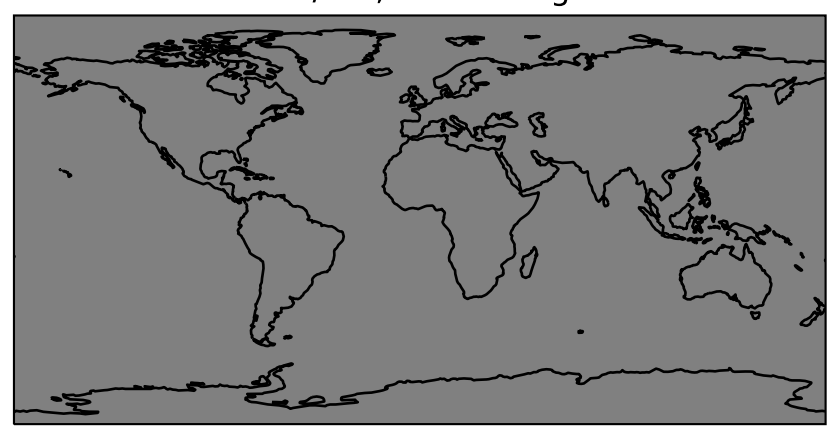
Ratio
Dev/Ref, Fixed Range



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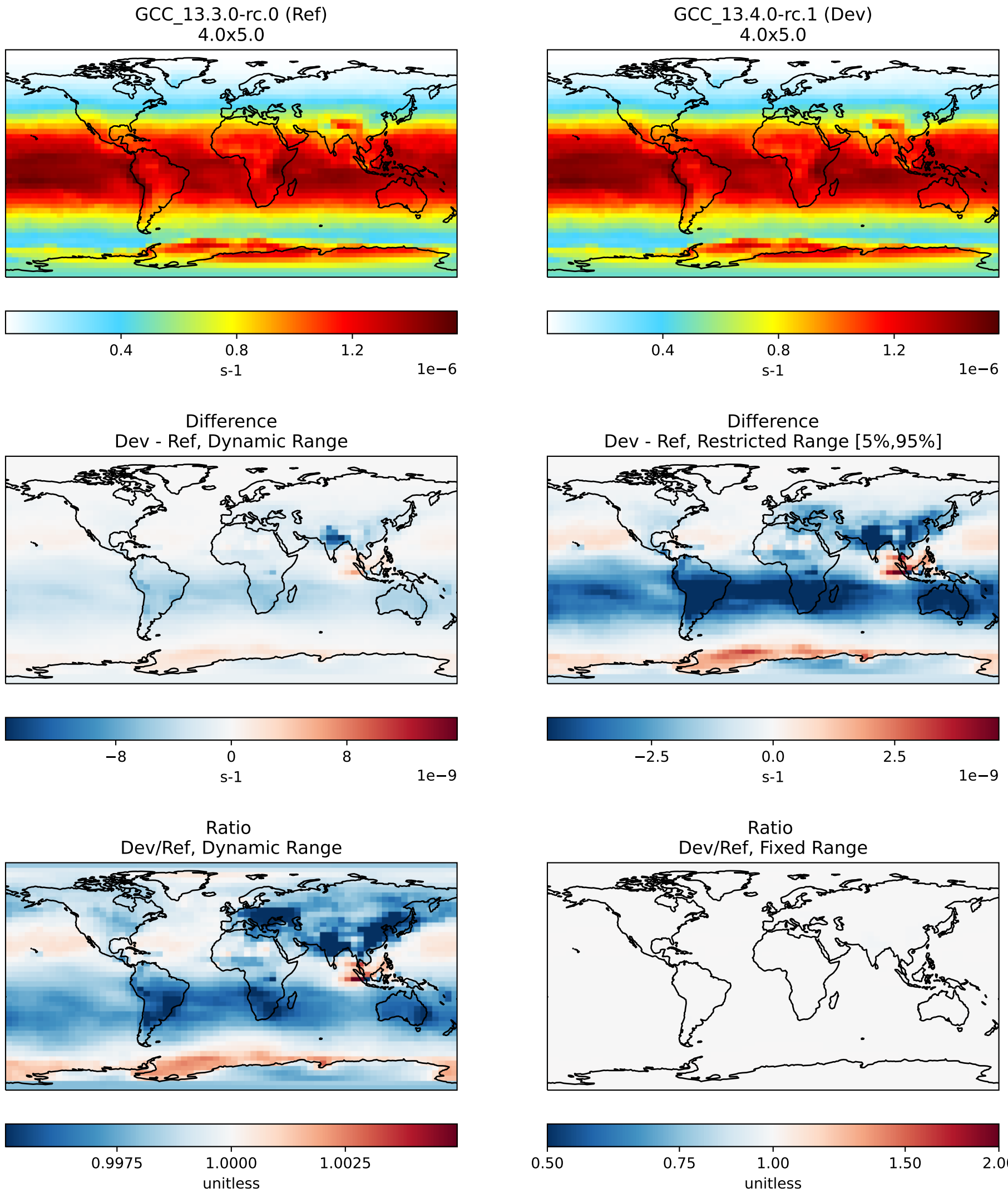
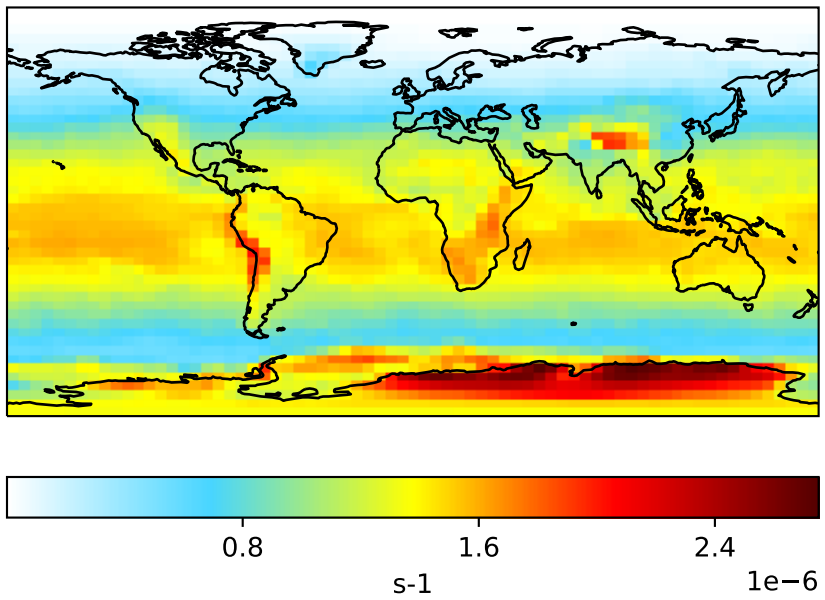
Jval_MPN (Oct2019)

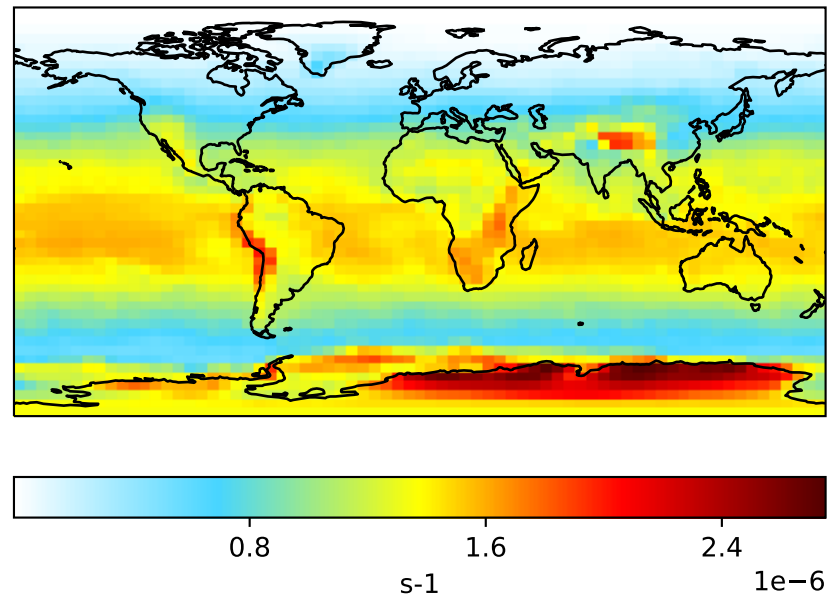


Jval_MVK (Oct2019)

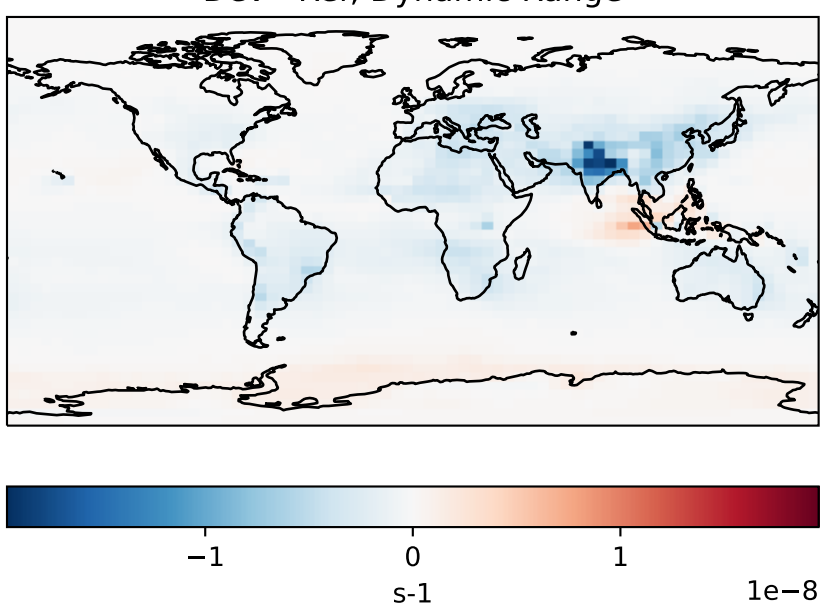
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



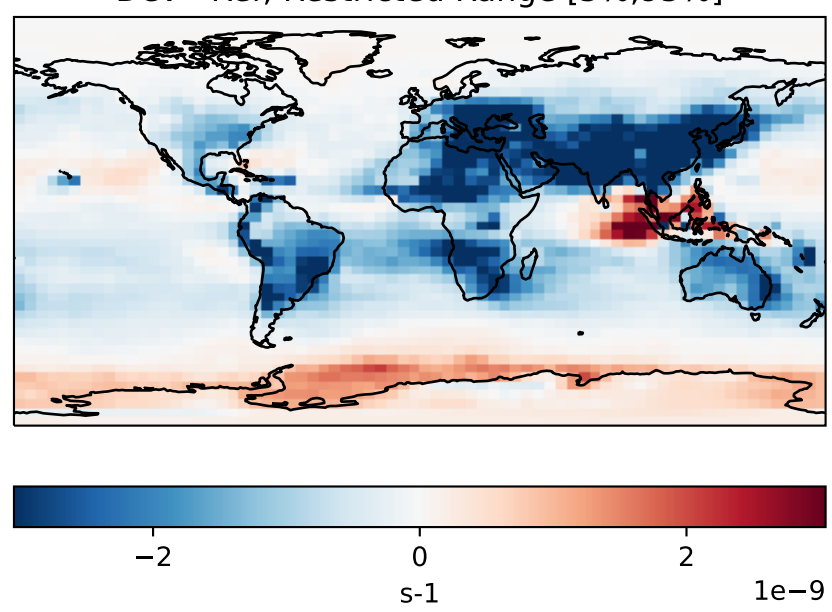
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



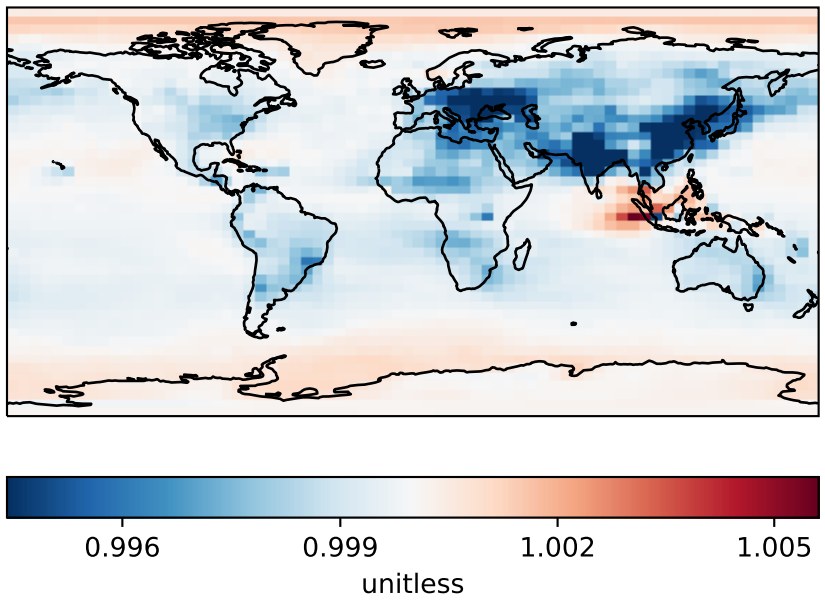
Difference
Dev - Ref, Dynamic Range



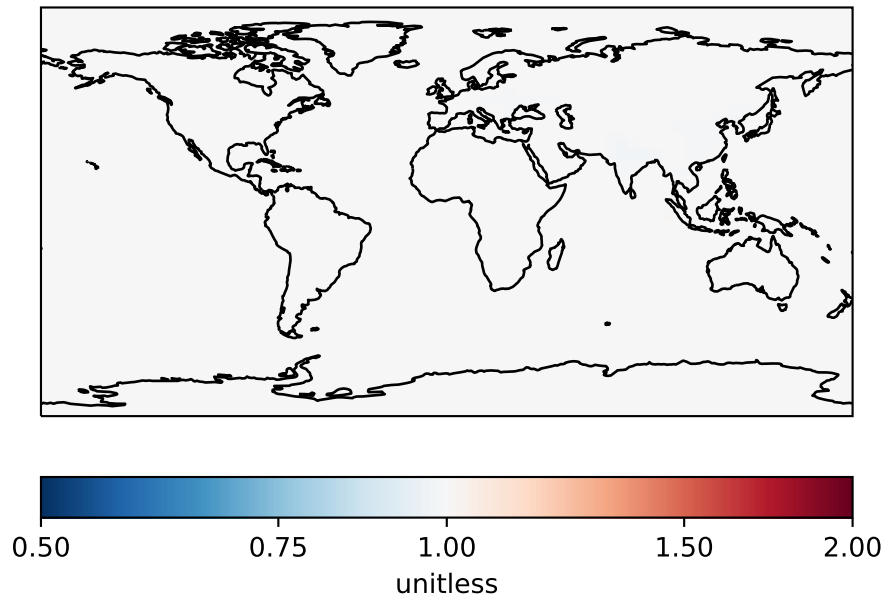
Difference
Dev - Ref, Restricted Range [5%,95%]



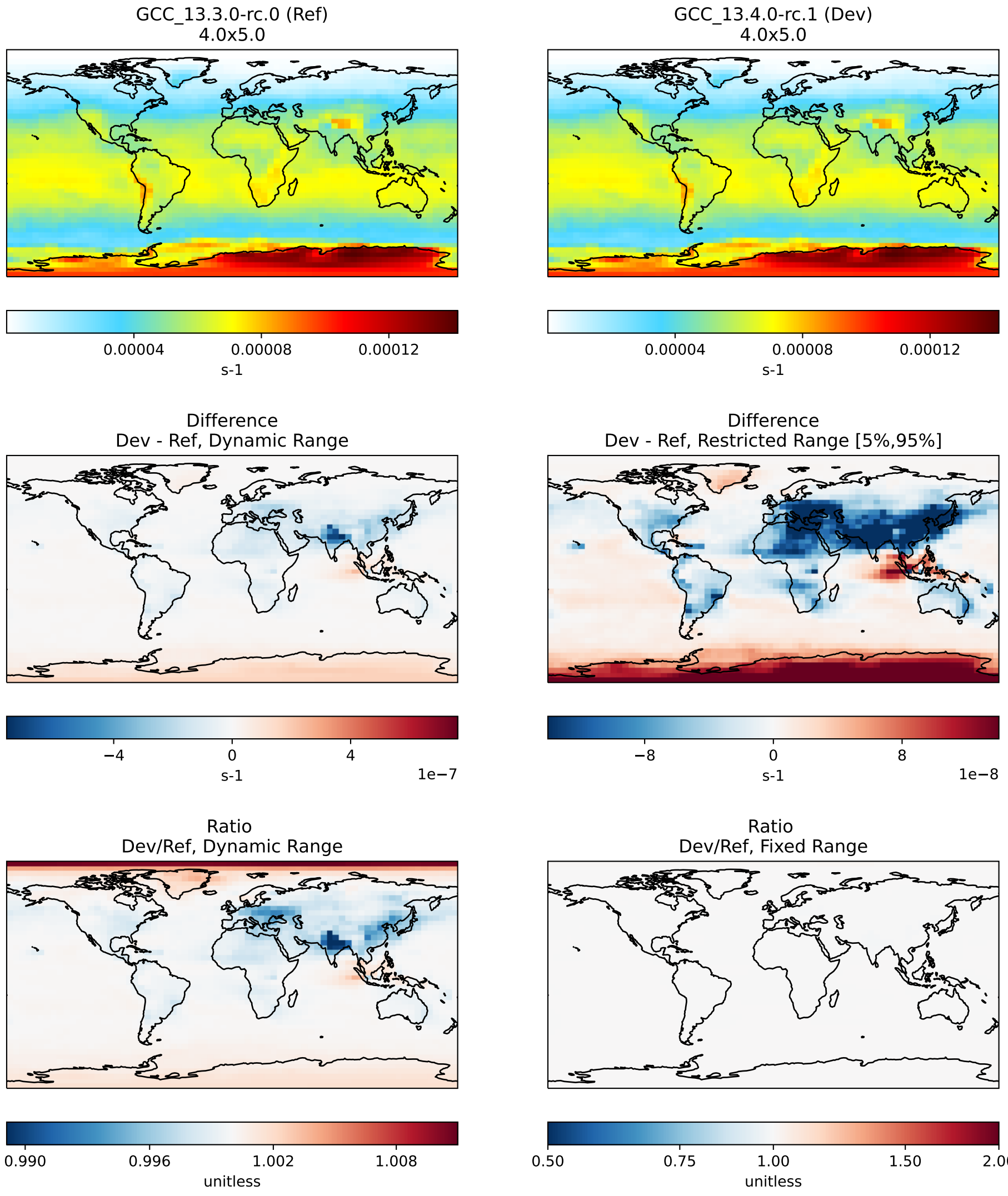
Ratio
Dev/Ref, Dynamic Range



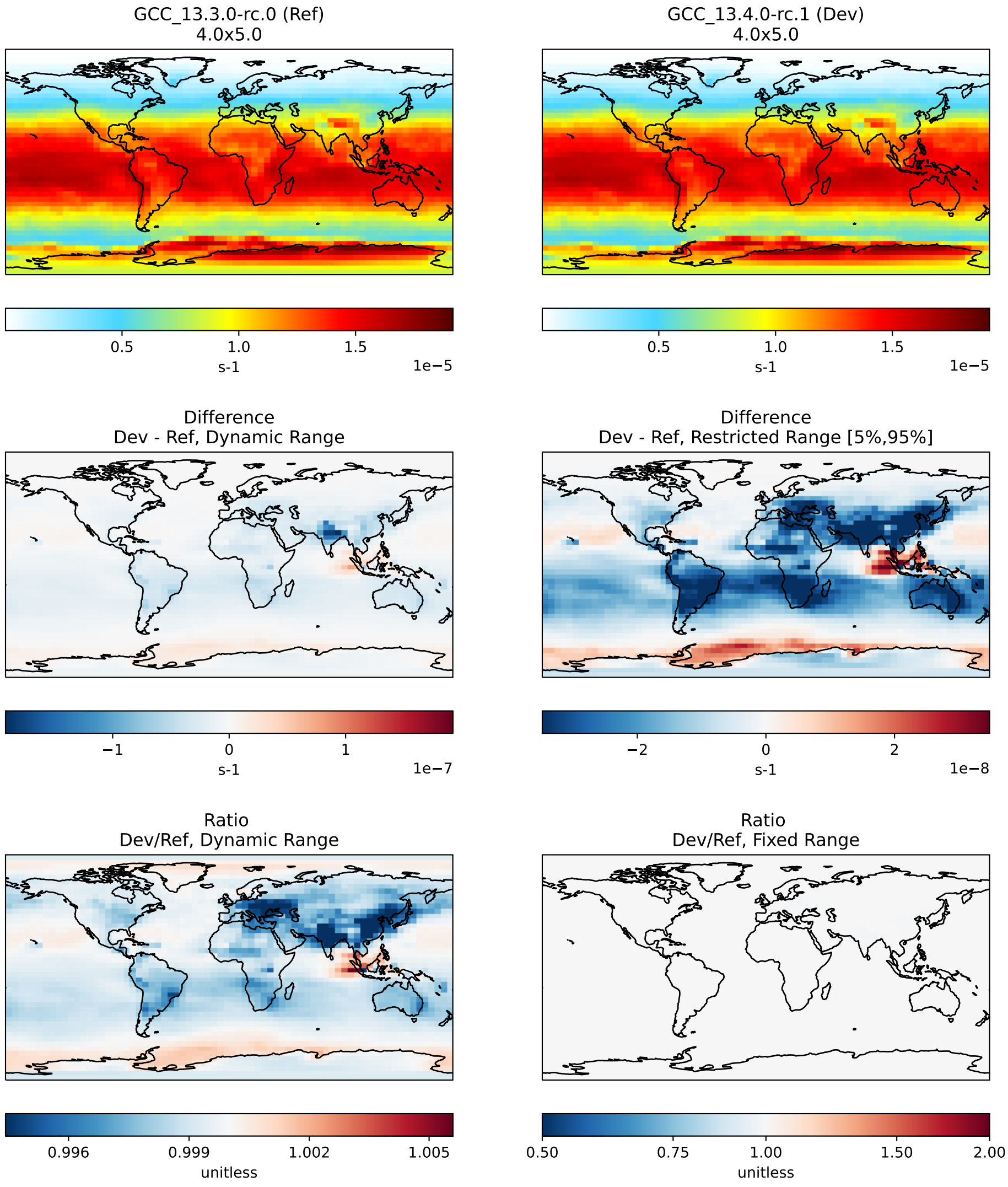
Ratio
Dev/Ref, Fixed Range



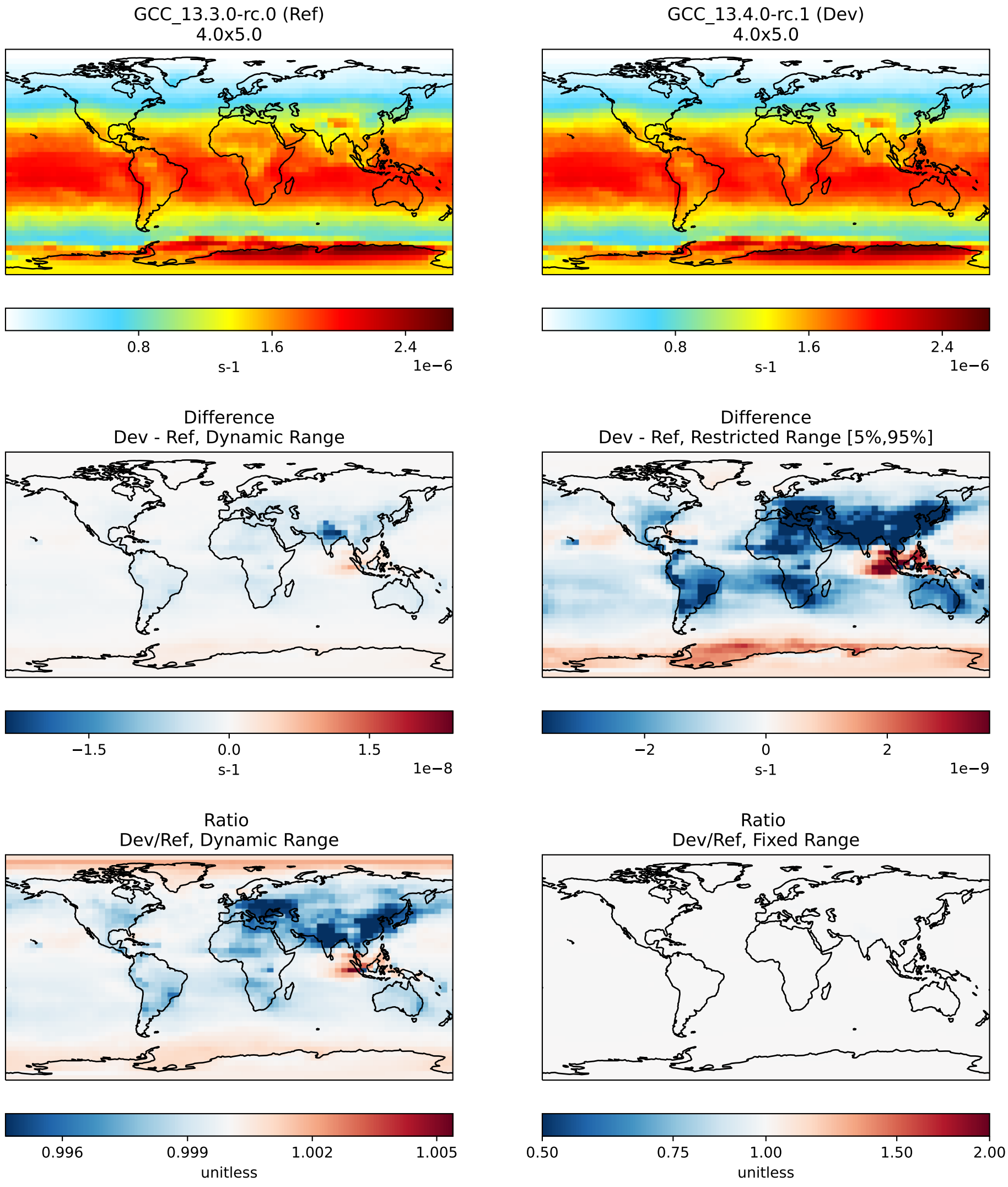
Jval_MVKHC (Oct2019)



Jval_MVKHCB (Oct2019)

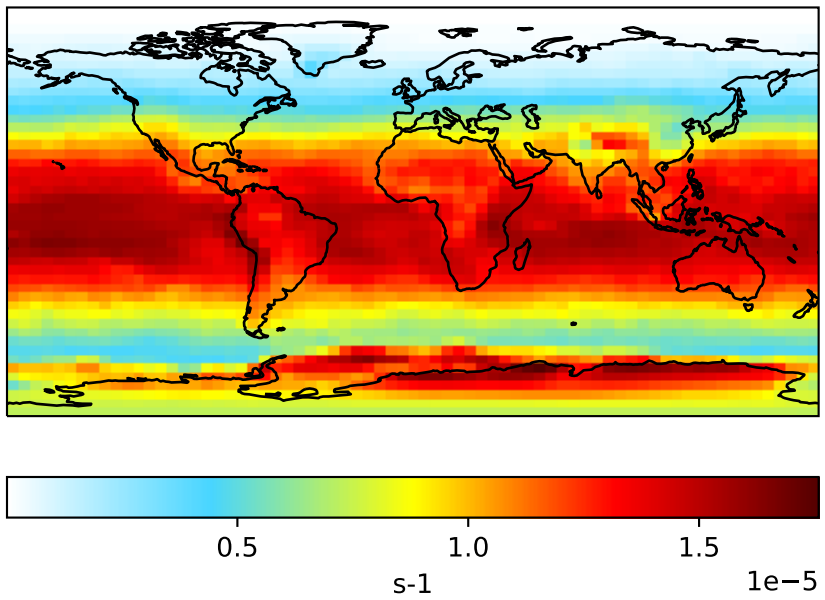


Jval_MVKHP (Oct2019)

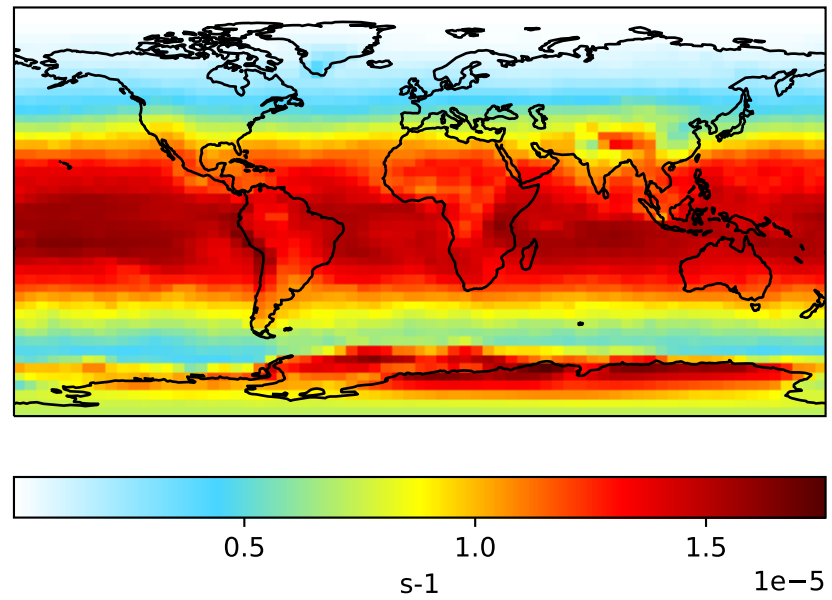


Jval_MVKN (Oct2019)

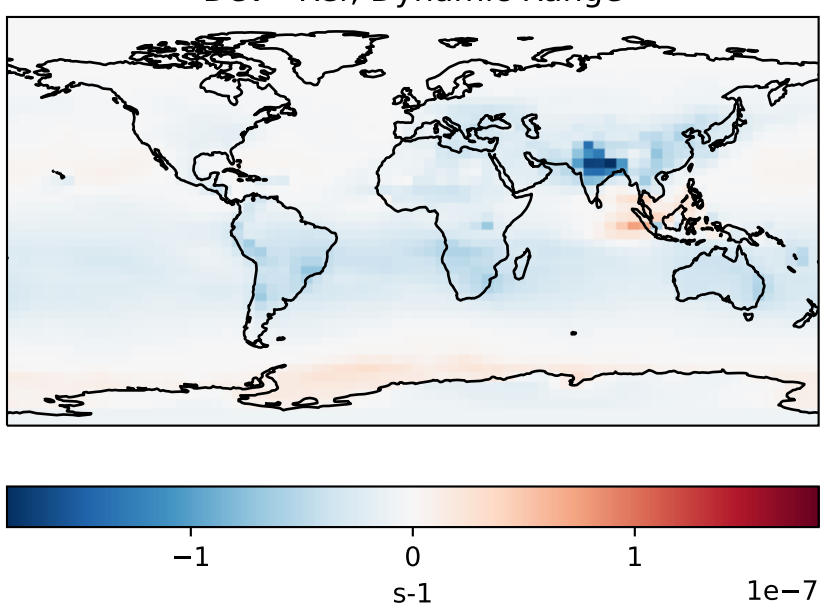
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



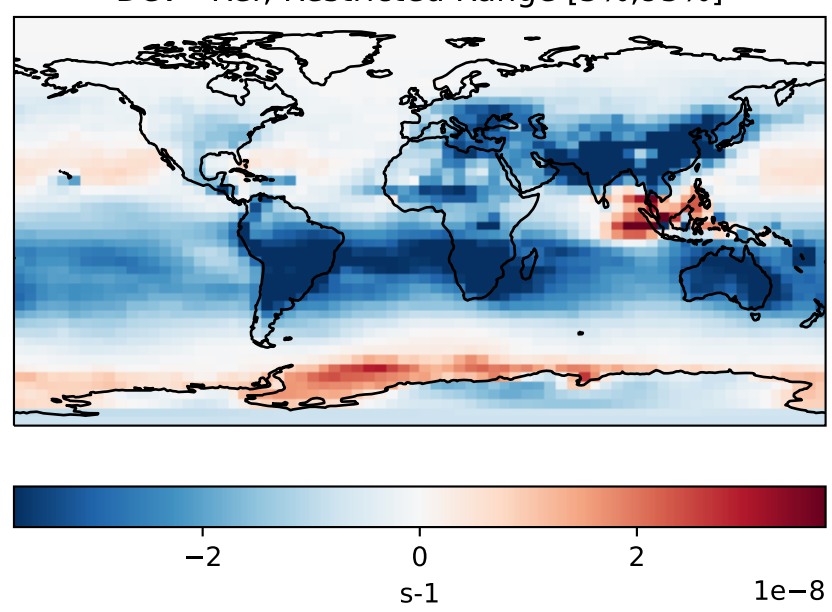
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



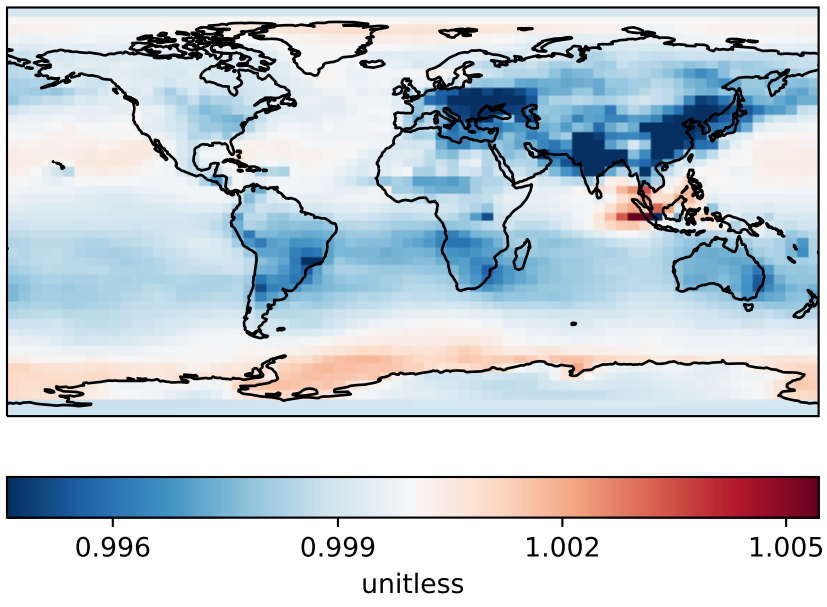
Difference
Dev - Ref, Dynamic Range



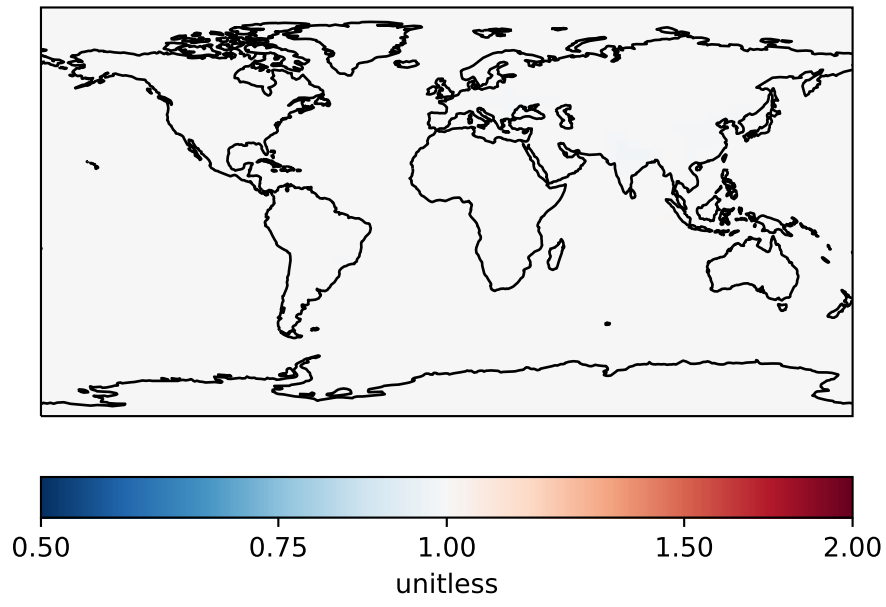
Difference
Dev - Ref, Restricted Range [5%,95%]



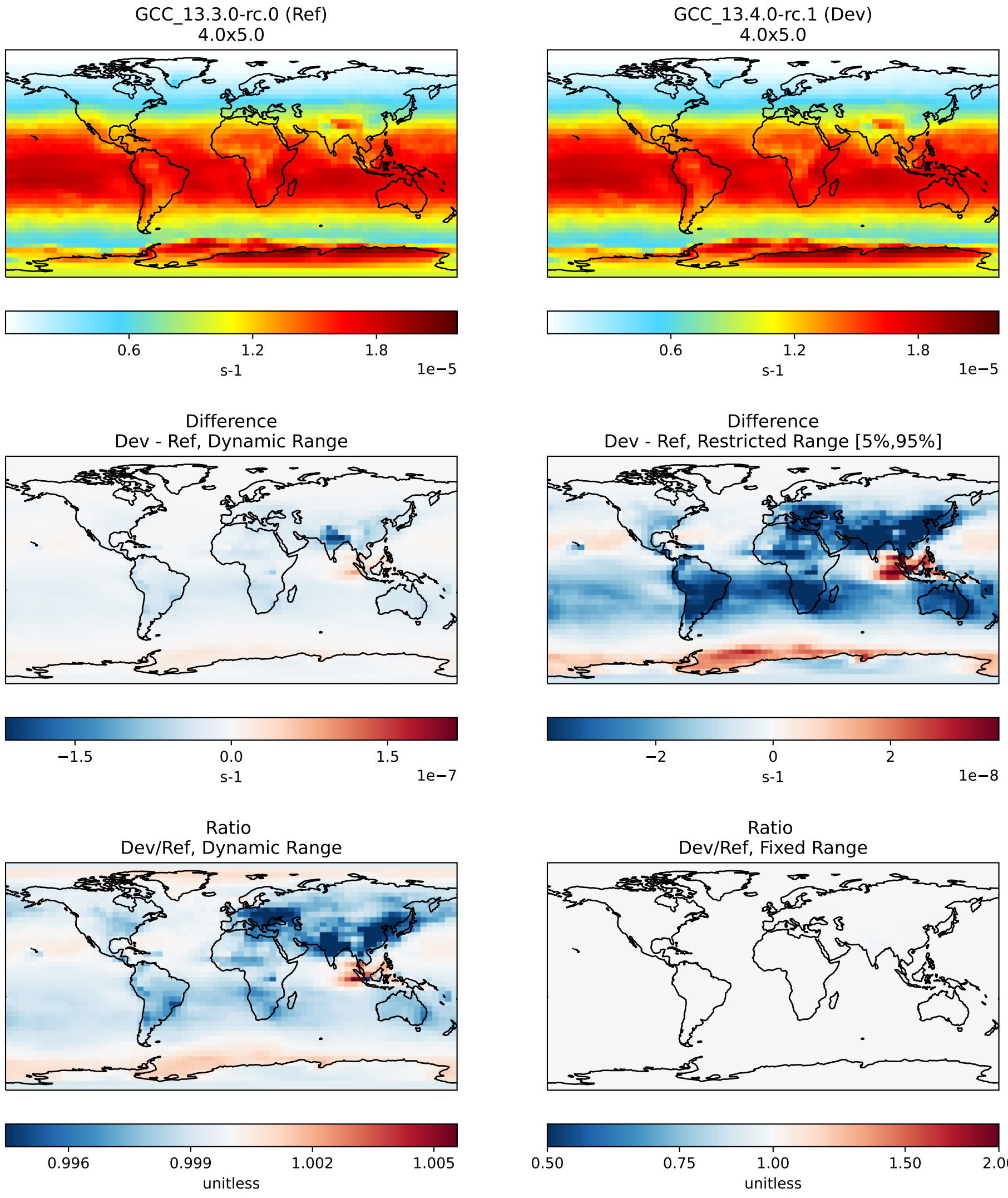
Ratio
Dev/Ref, Dynamic Range



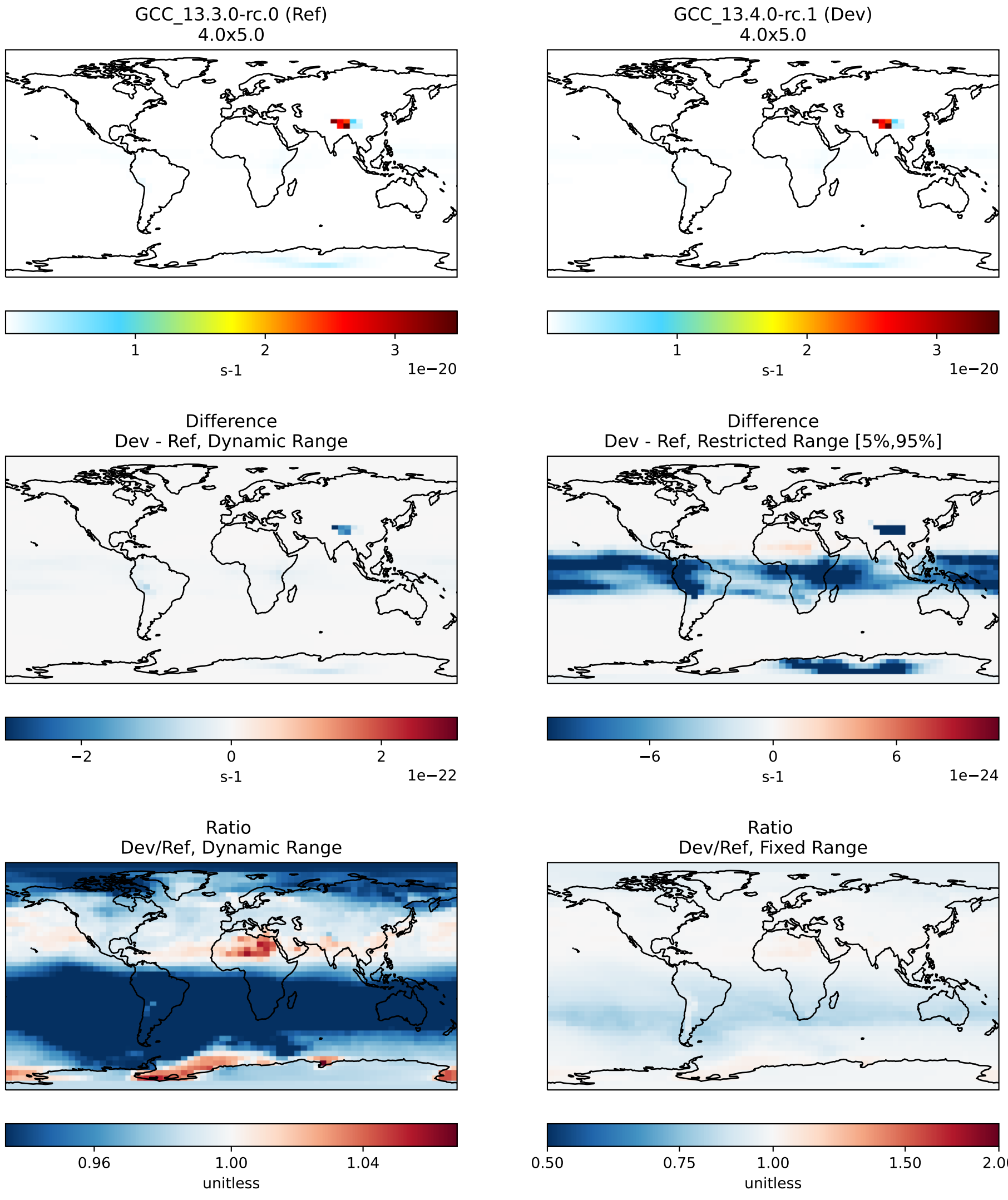
Ratio
Dev/Ref, Fixed Range



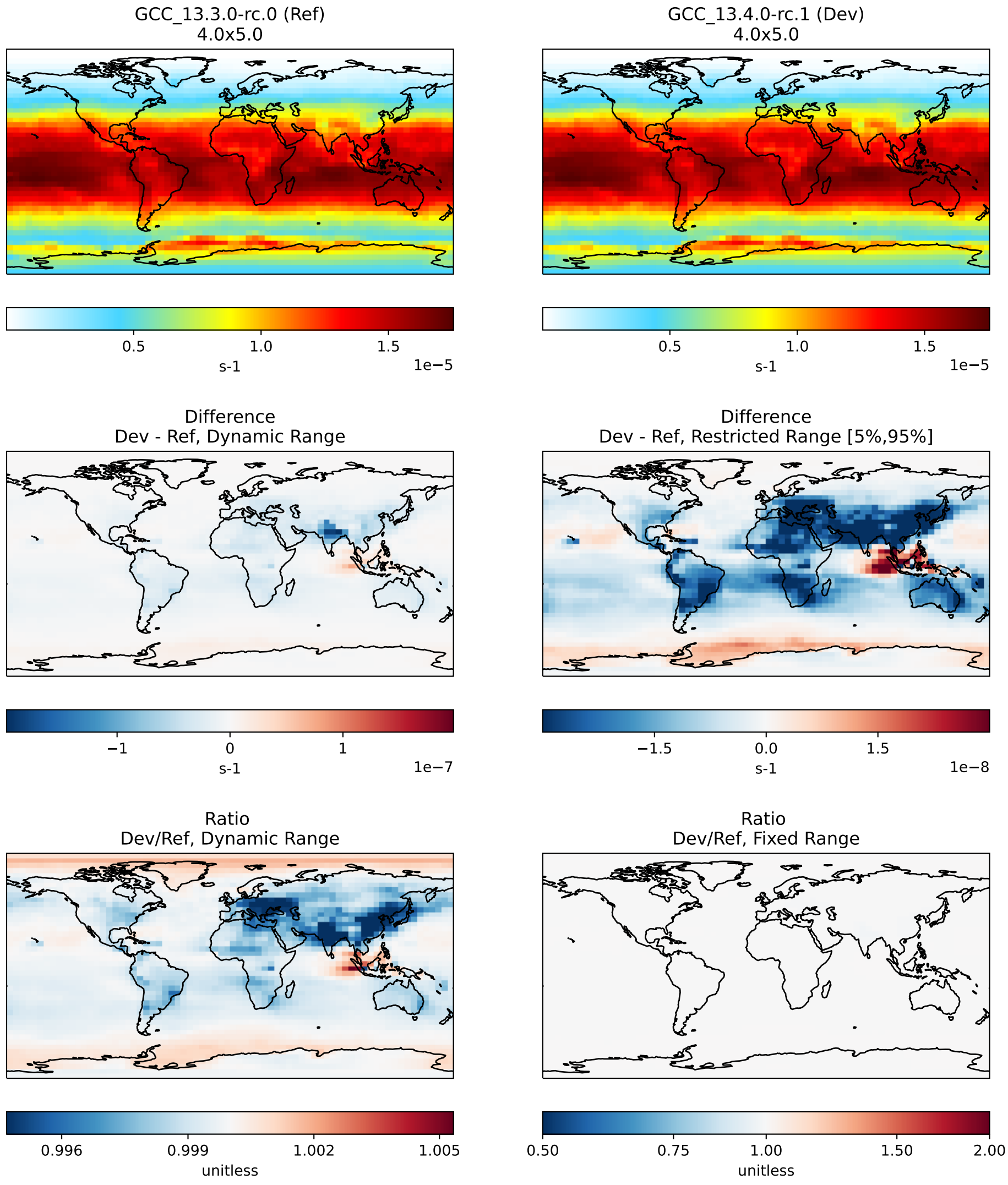
Jval_MVKPC (Oct2019)



Jval_N2O (Oct2019)

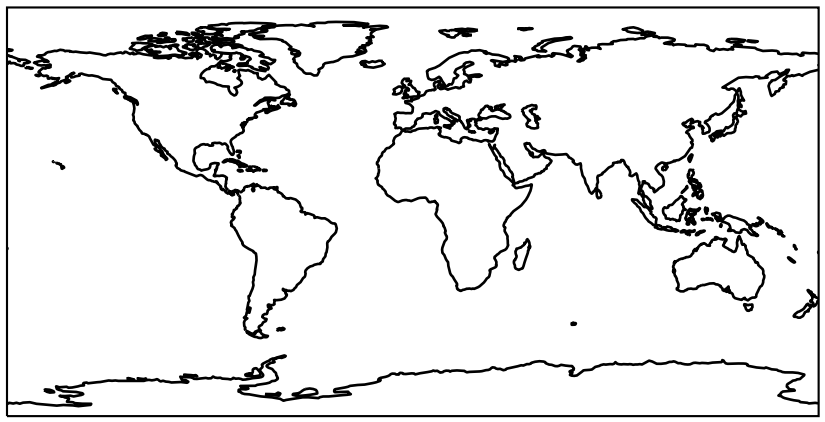


Jval_N2O5 (Oct2019)



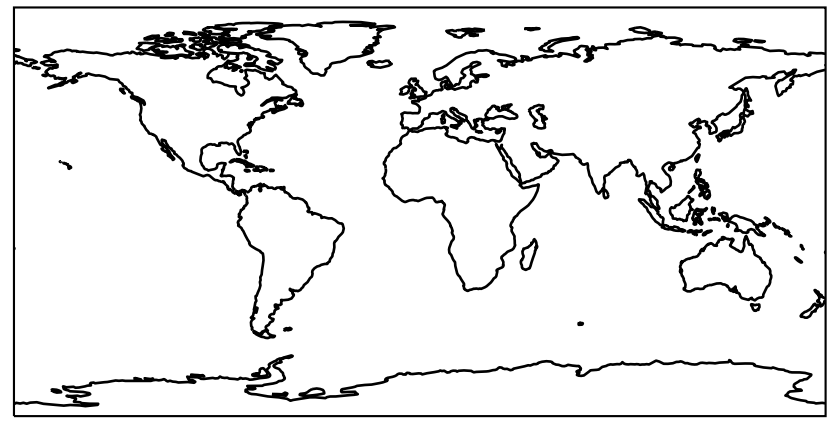
Jval_NIT (Oct2019)

GCC_13.3.0-rc.0 (Ref)
4.0x5.0



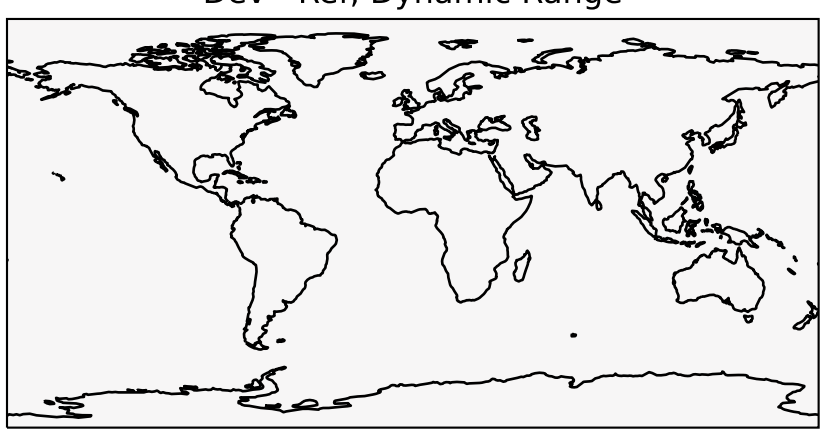
Zero throughout domain
s-1

GCC_13.4.0-rc.1 (Dev)
4.0x5.0



Zero throughout domain
s-1

Difference
Dev - Ref, Dynamic Range



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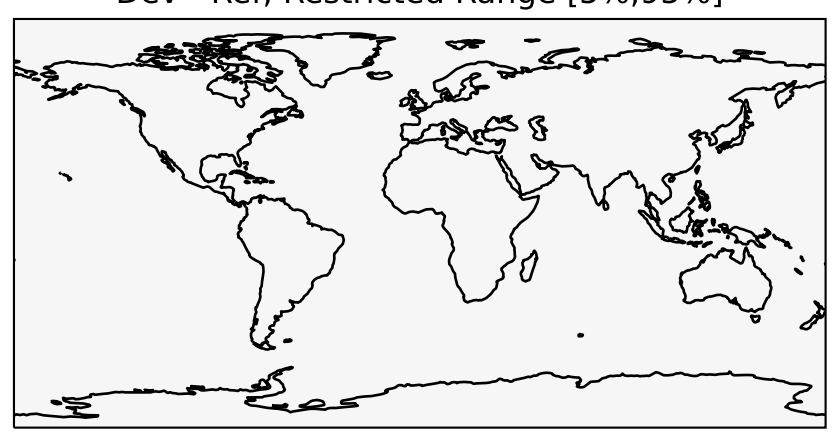
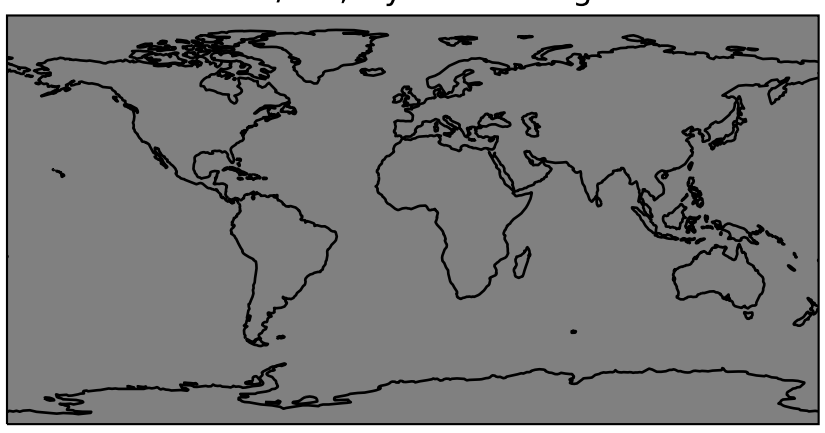
s-1

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



Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range



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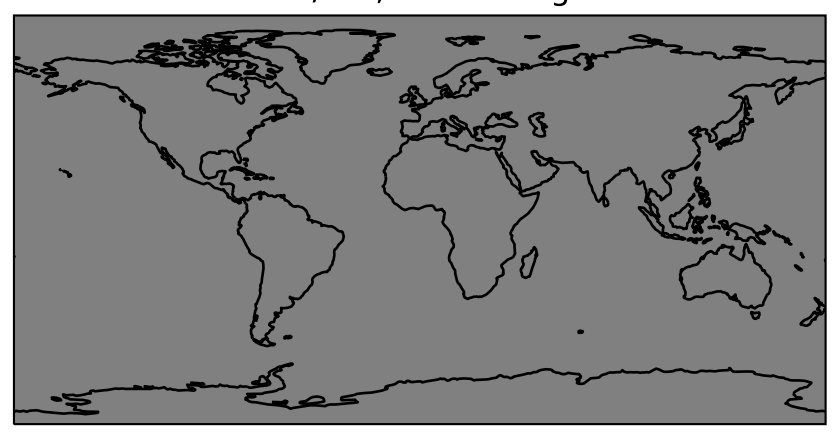
Ratio
Dev/Ref, Fixed Range



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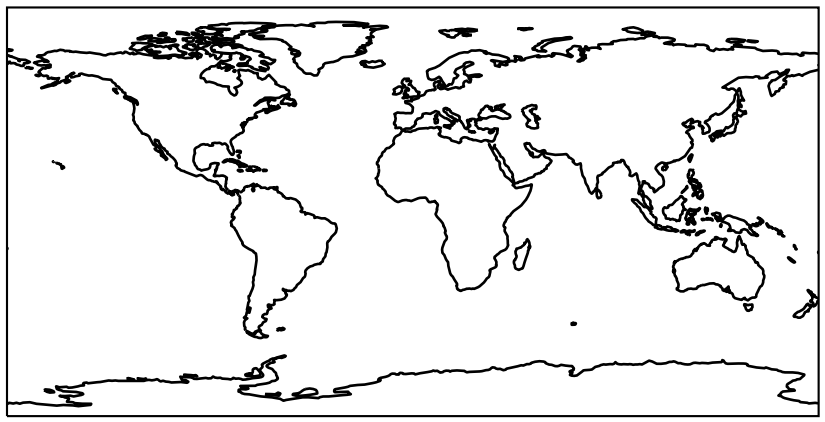
Jval_NITs (Oct2019)

GCC_13.3.0-rc.0 (Ref)
4.0x5.0



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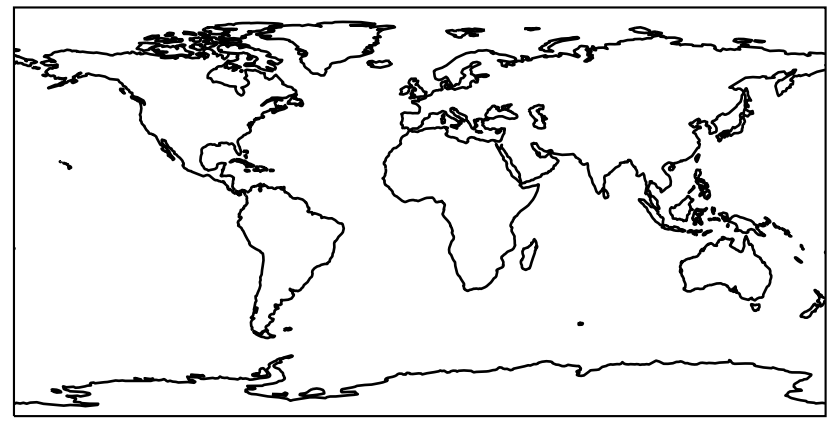
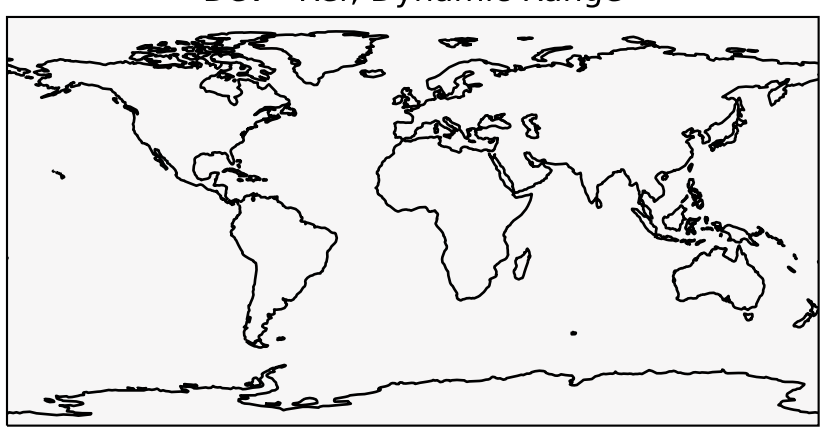
s-1

GCC_13.4.0-rc.1 (Dev)
4.0x5.0



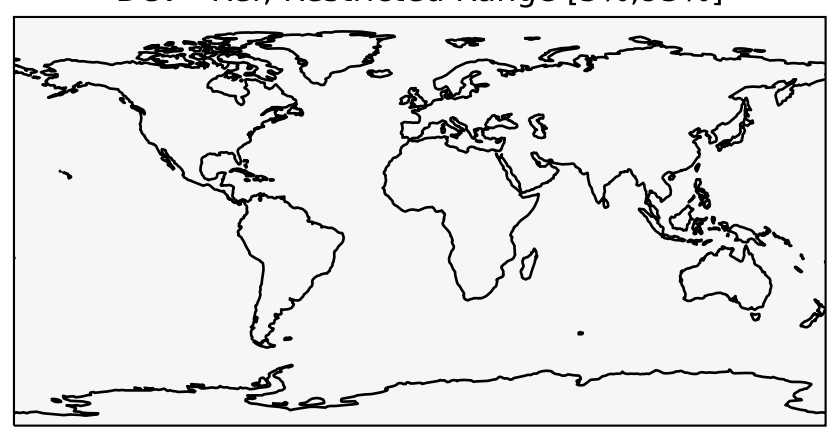
Zero throughout domain
s-1

Difference
Dev - Ref, Dynamic Range



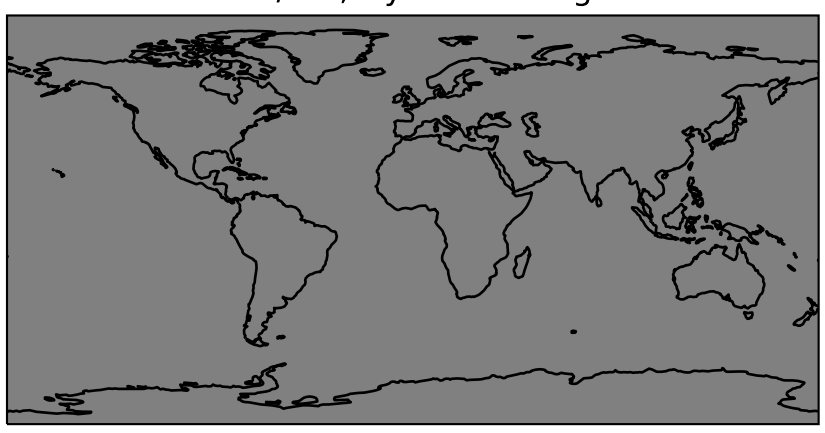
Zero throughout domain
s-1

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



Zero throughout domain
s-1

Ratio
Dev/Ref, Dynamic Range



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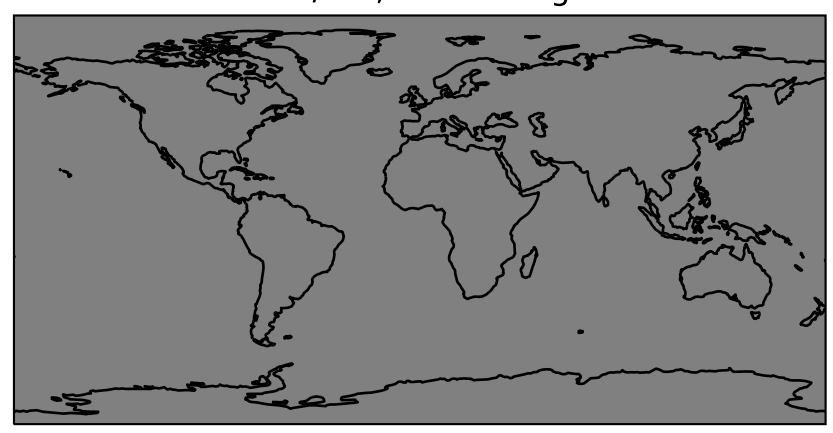
Ratio
Dev/Ref, Fixed Range



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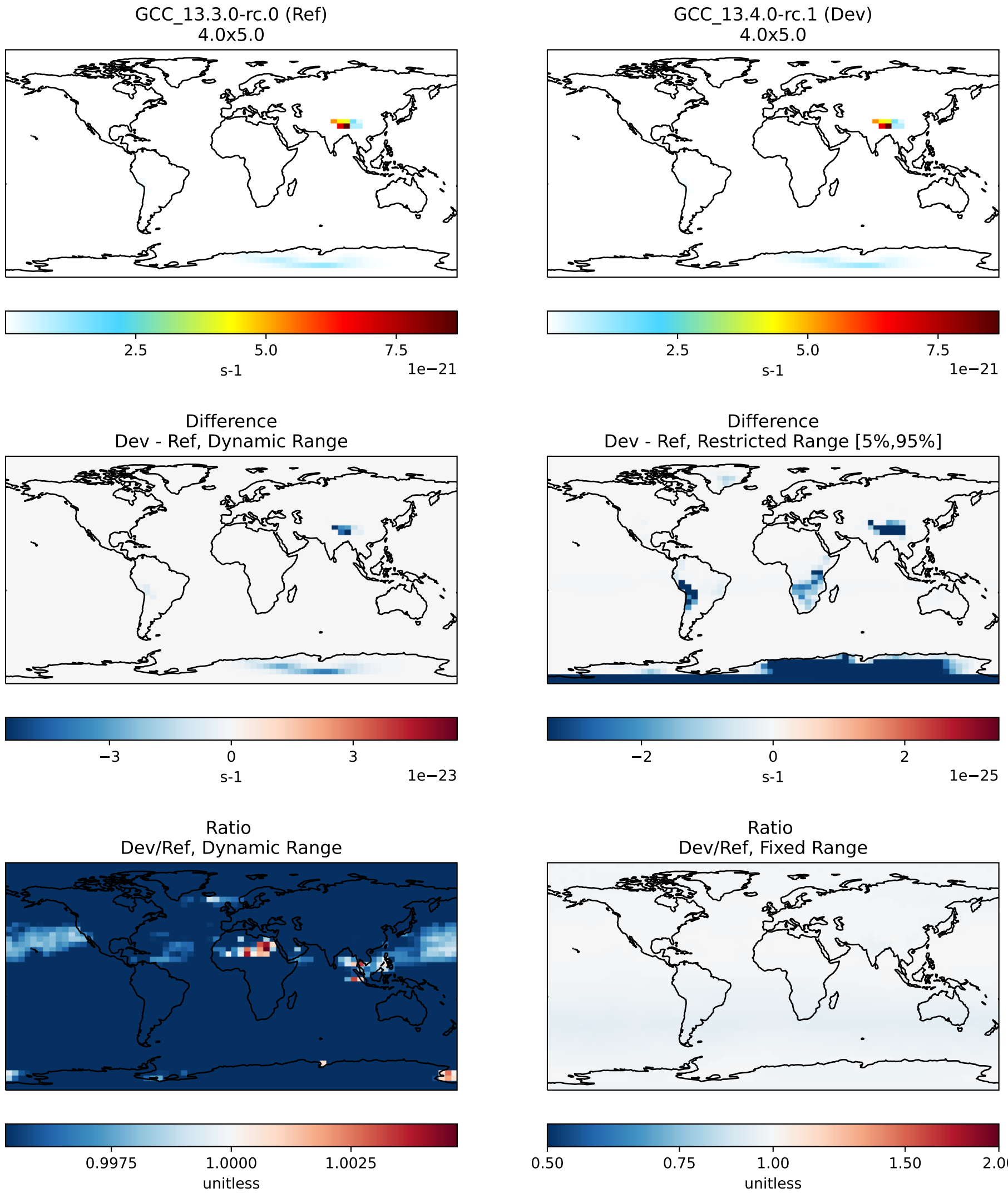
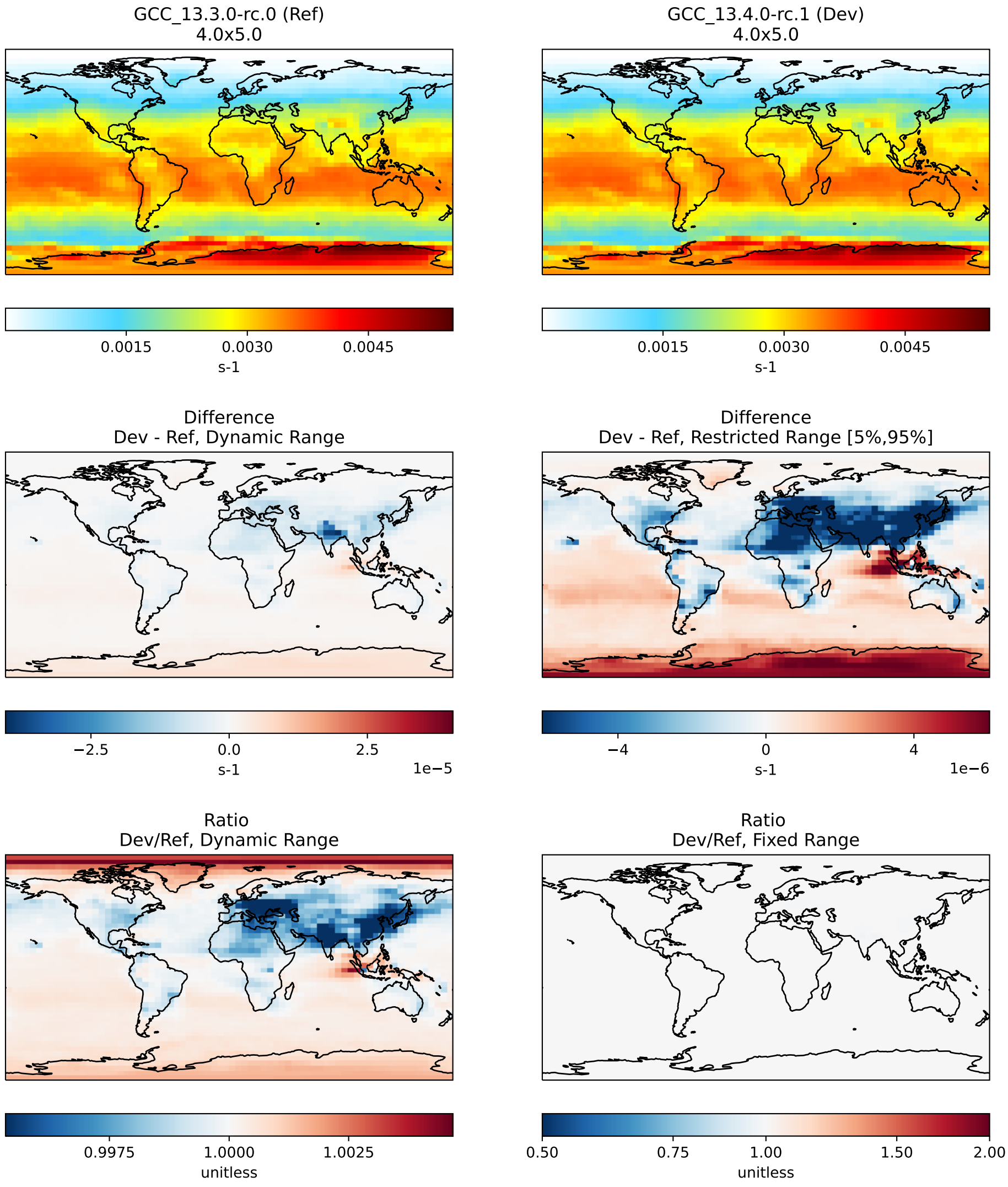
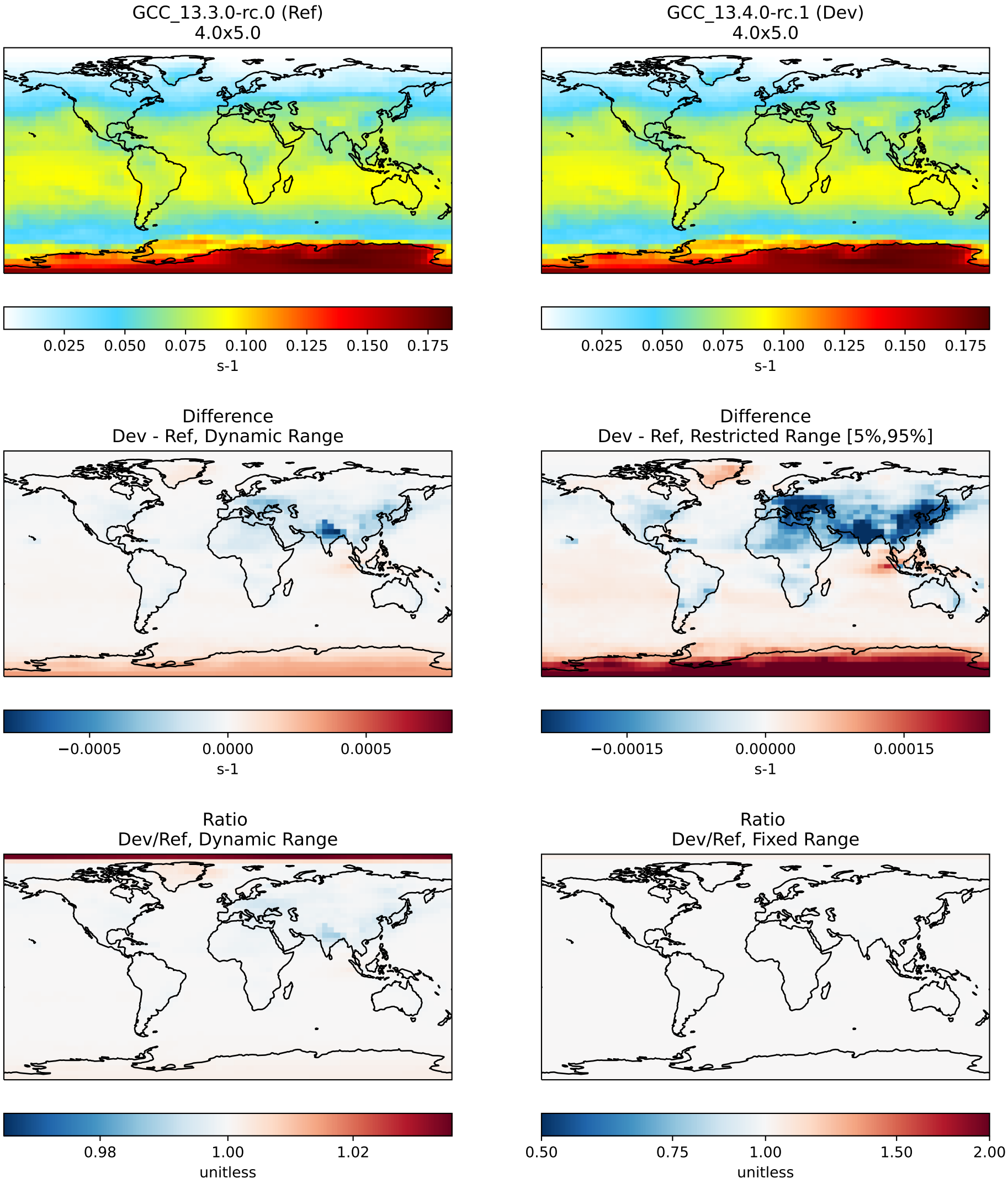
Jval_NO (Oct2019)



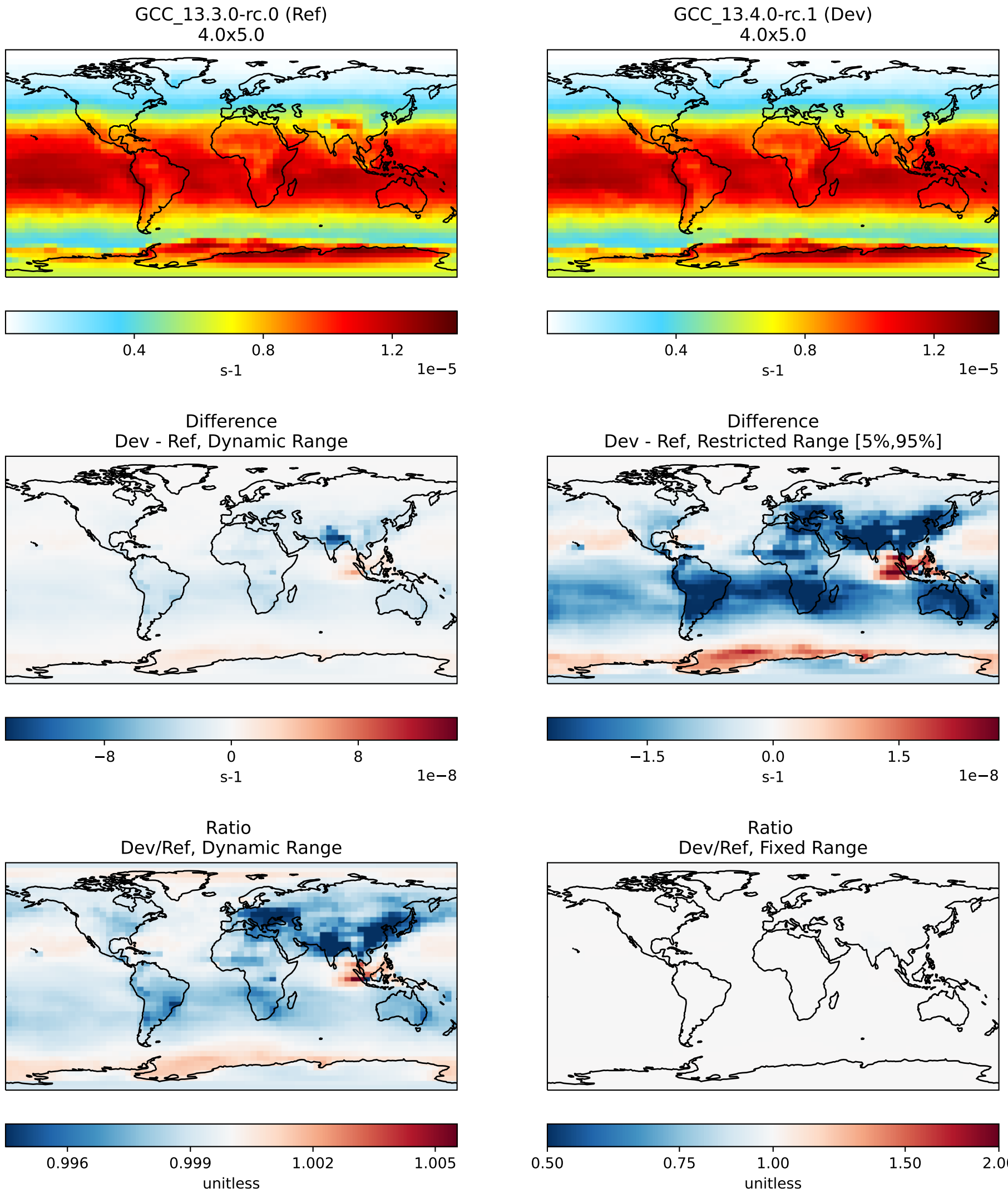
Jval_NO2 (Oct2019)



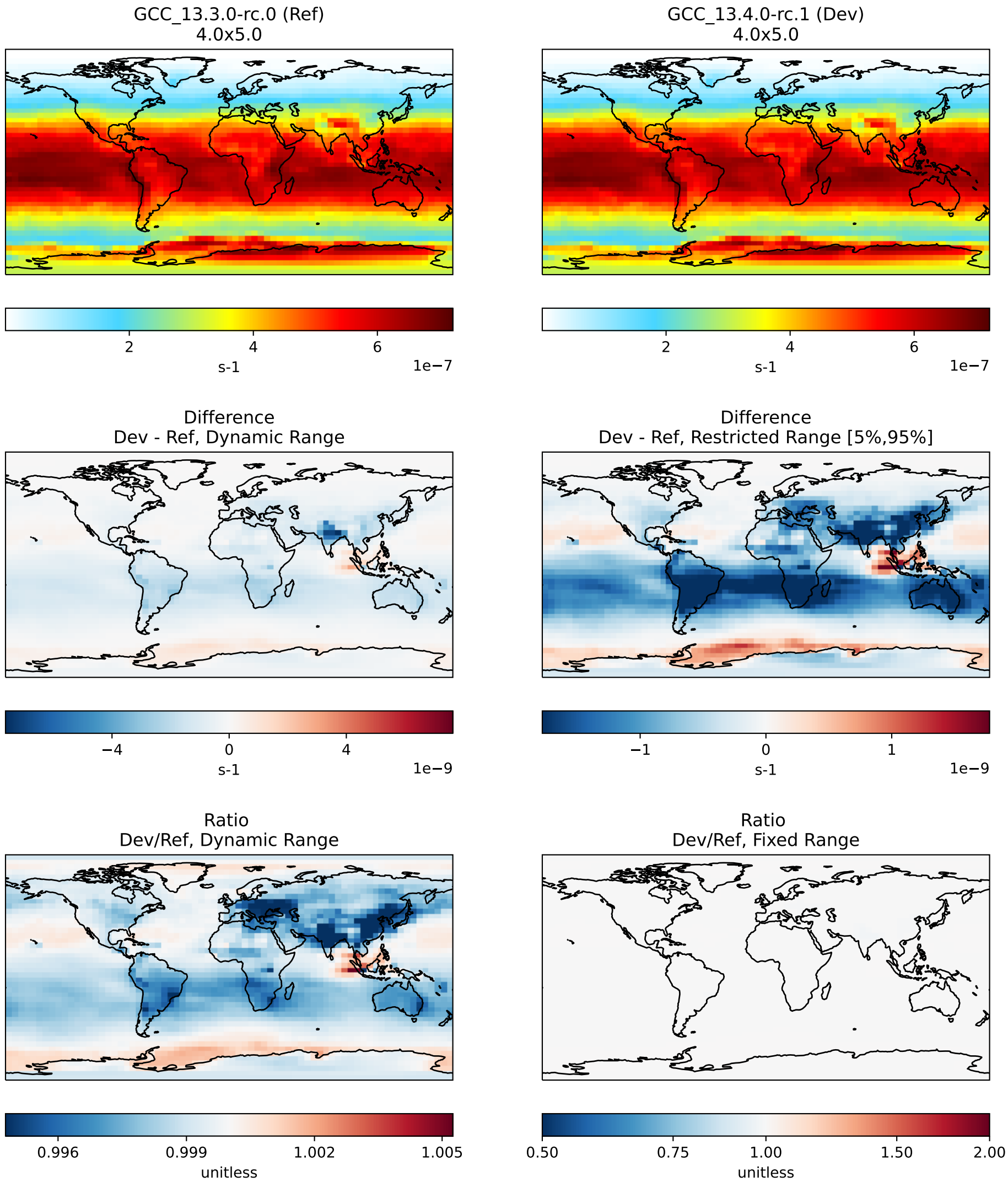
Jval_NO3 (Oct2019)



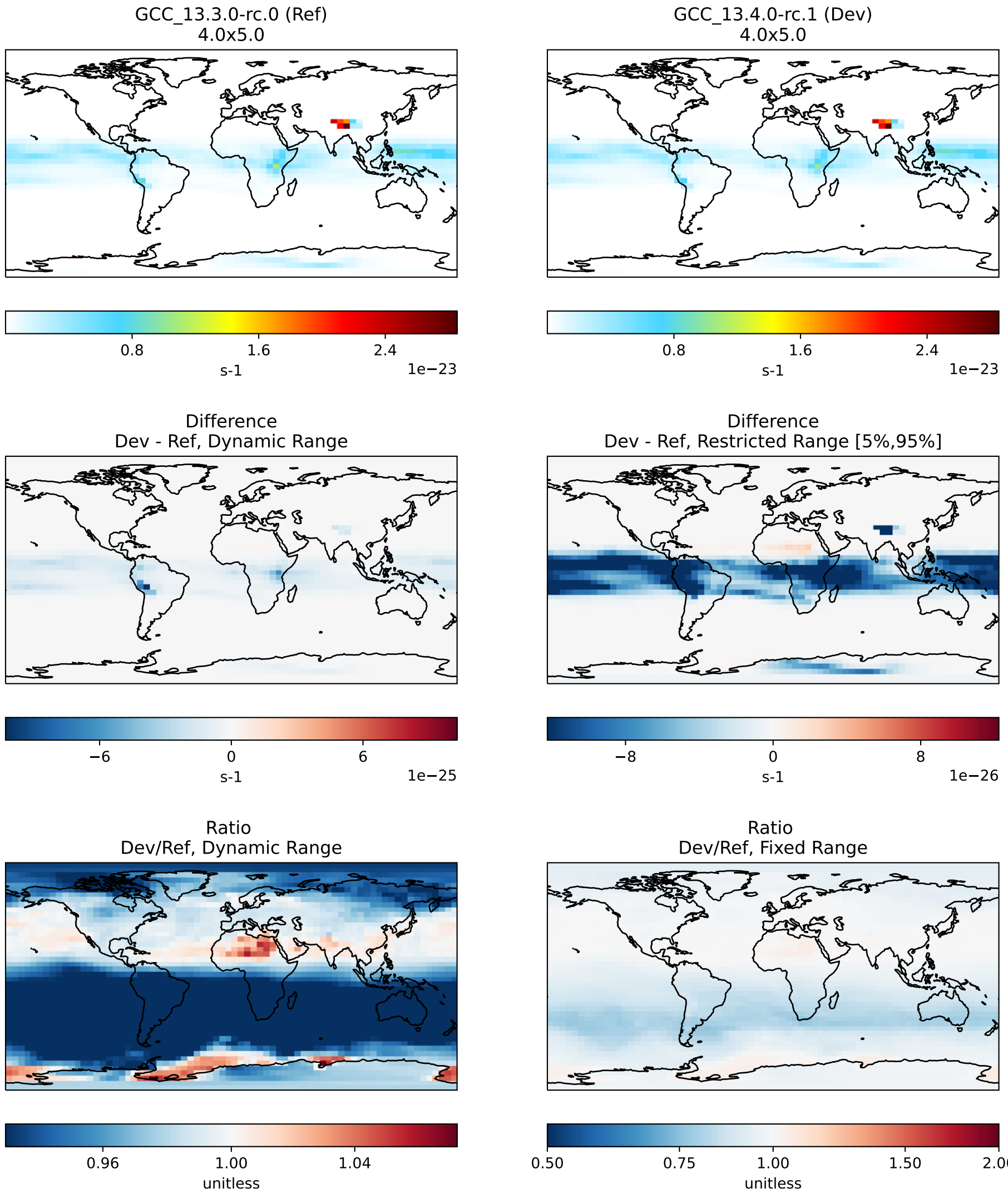
Jval_NPHEN (Oct2019)



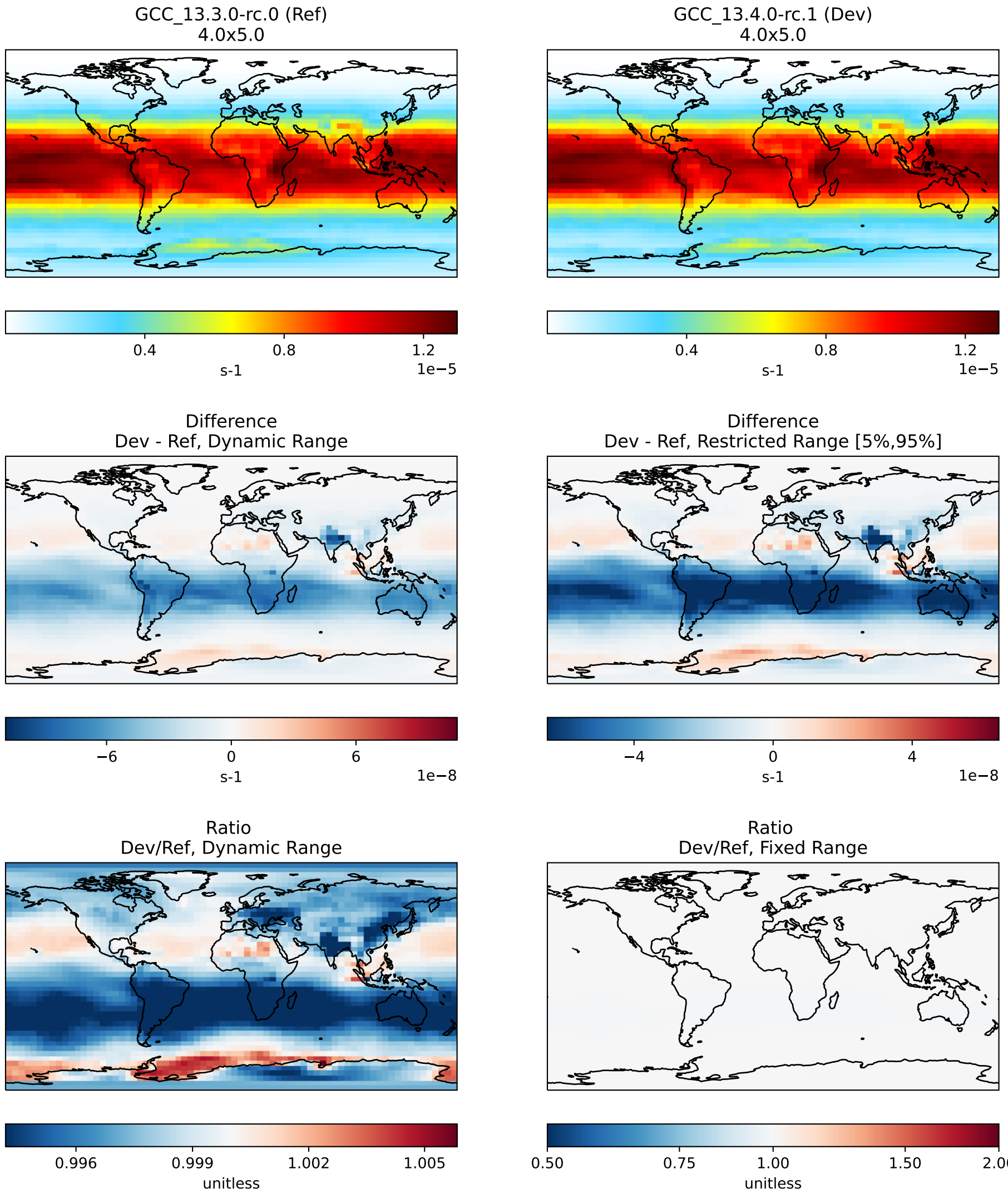
Jval_NPRNO3 (Oct2019)



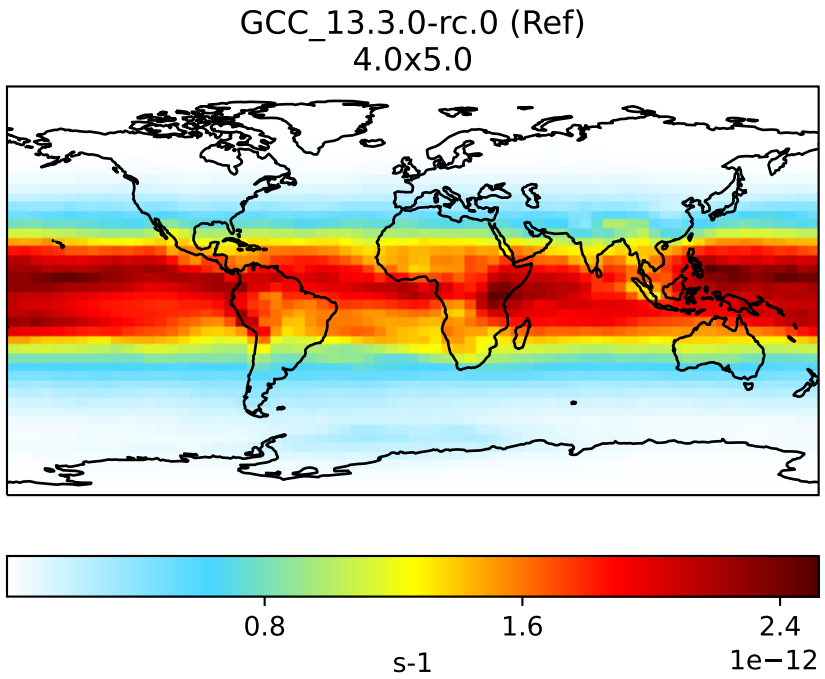
Jval_O2 (Oct2019)

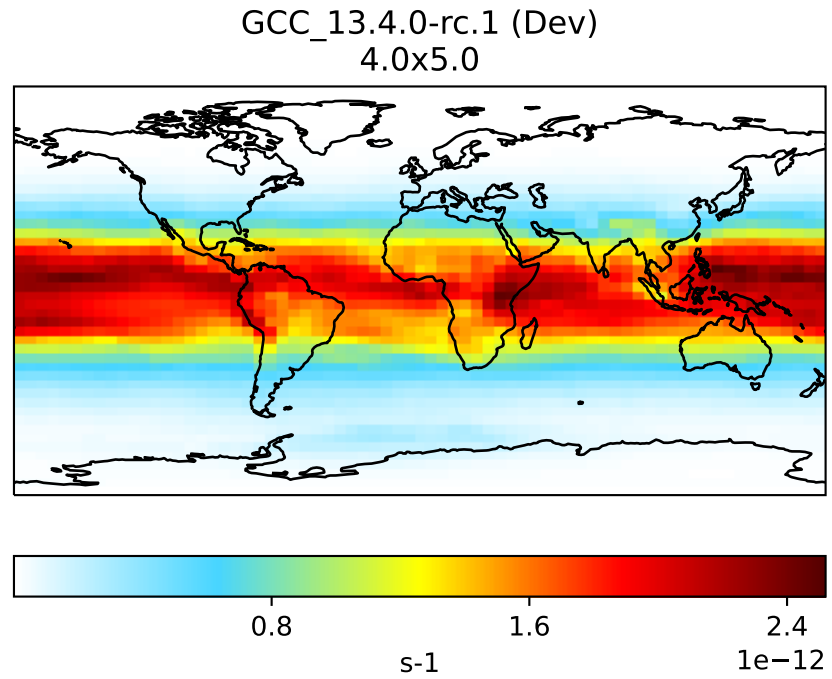


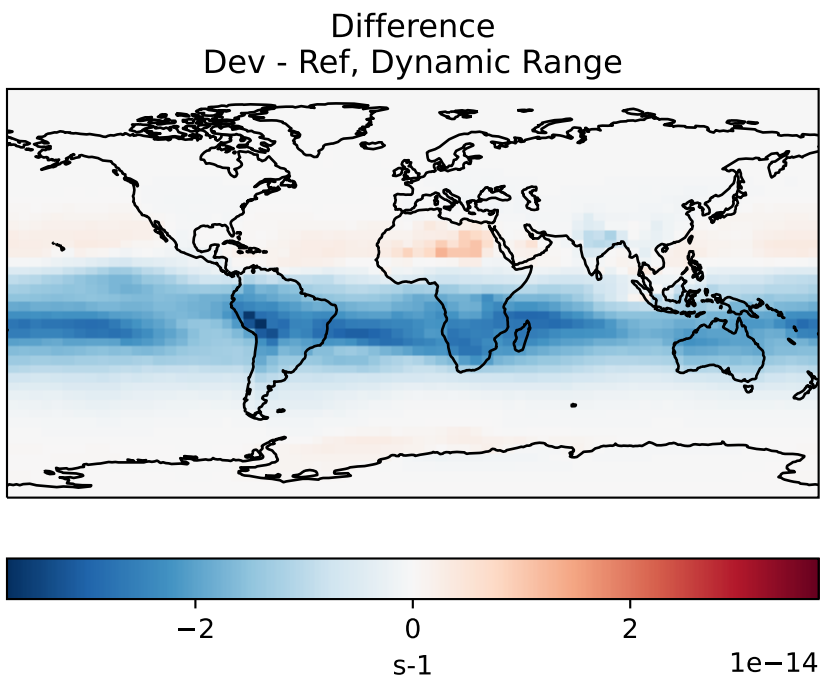
Jval_O3 (Oct2019)

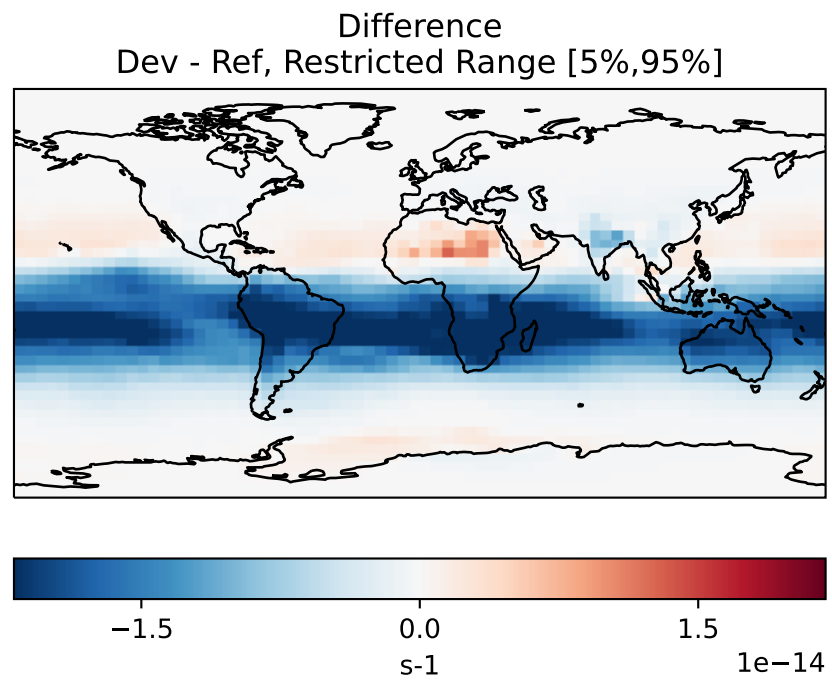


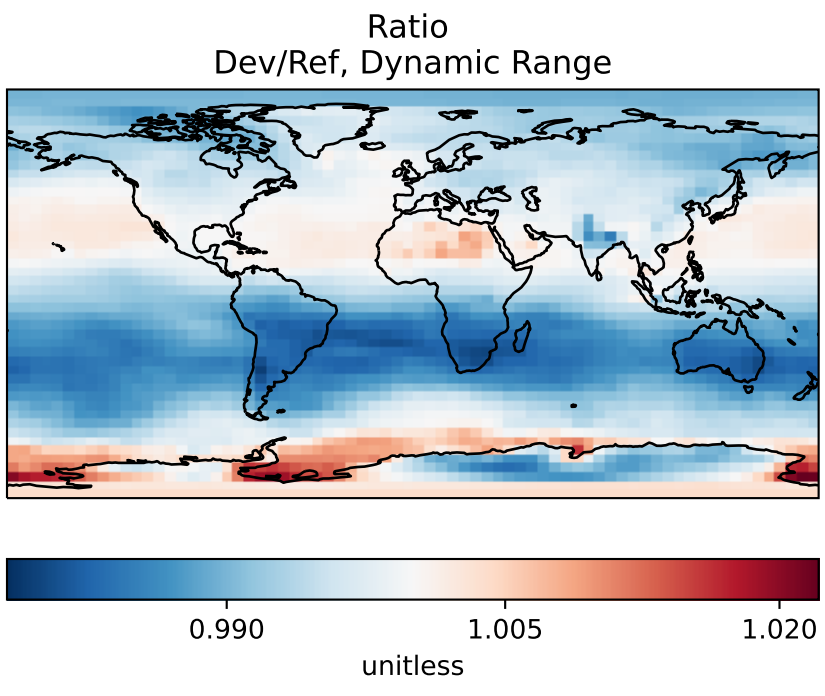
Jval_OCS (Oct2019)

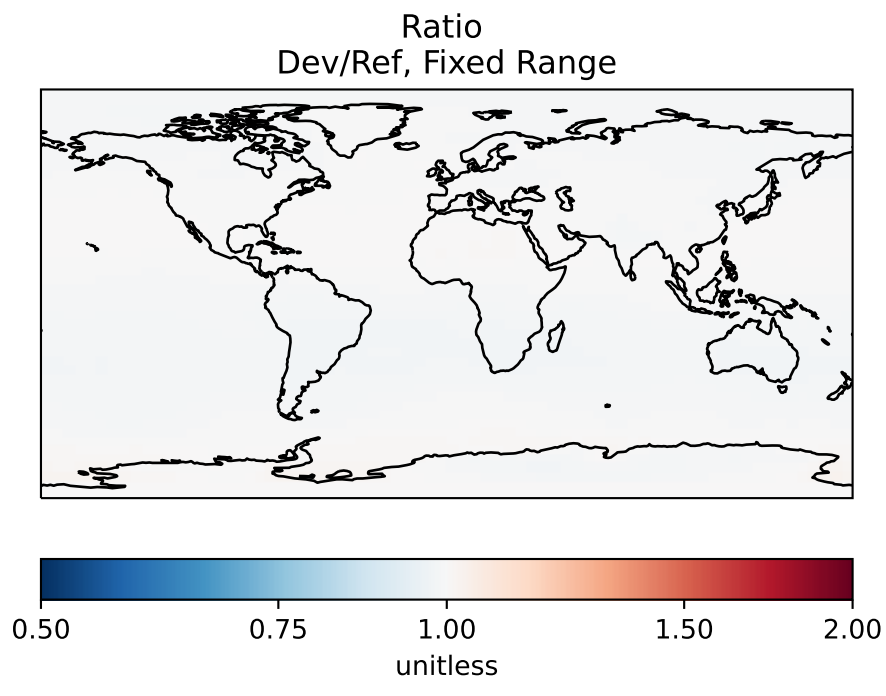






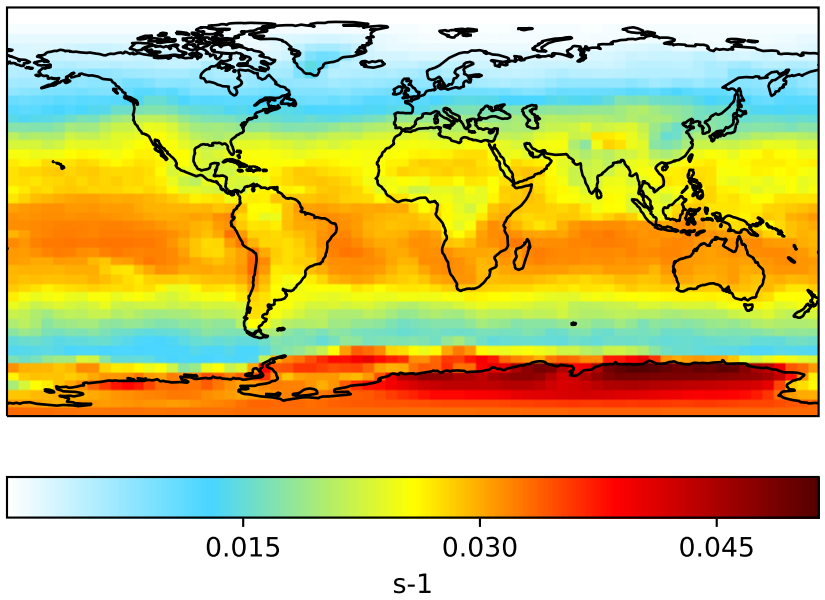




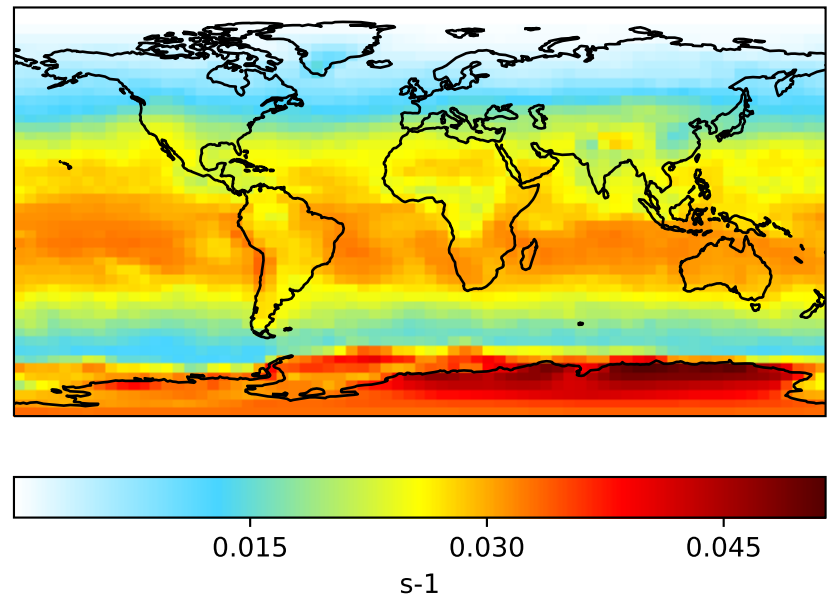


Jval_OClO (Oct2019)

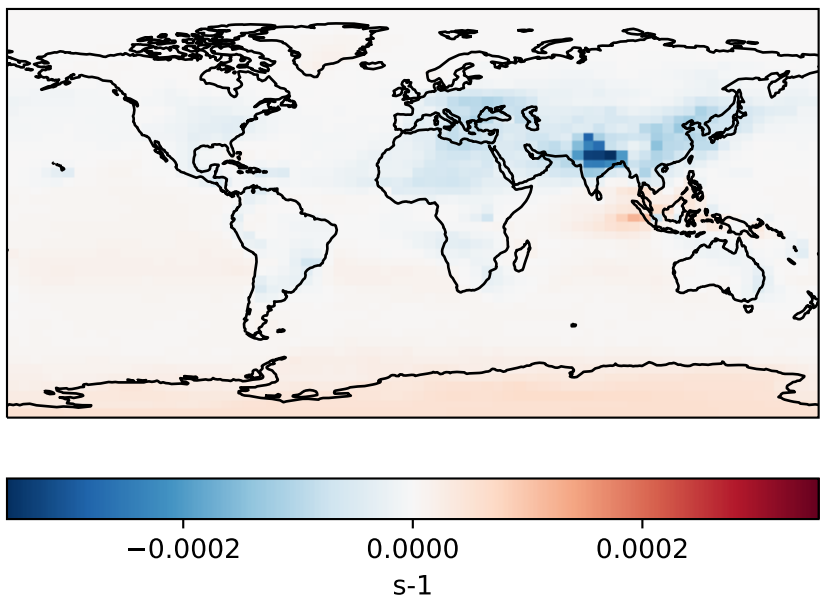
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



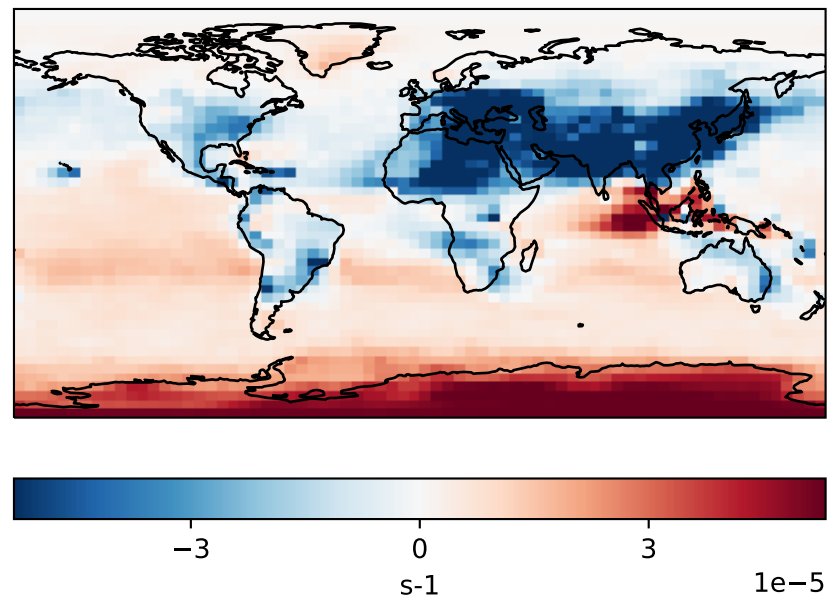
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



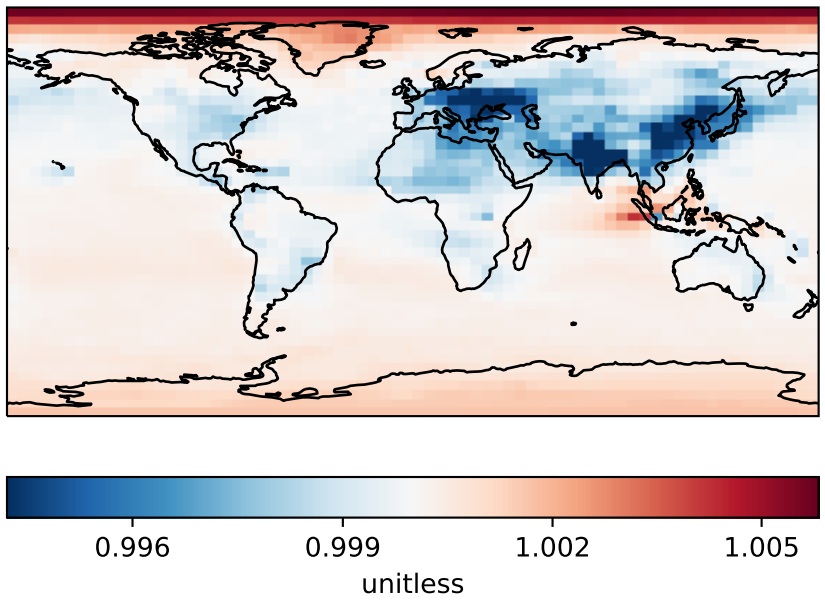
Difference
Dev - Ref, Dynamic Range



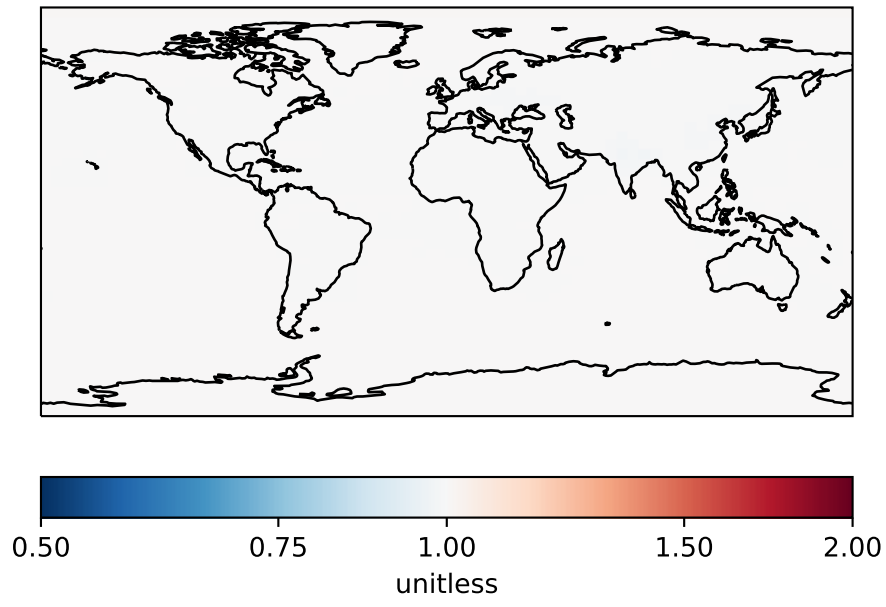
Difference
Dev - Ref, Restricted Range [5%,95%]



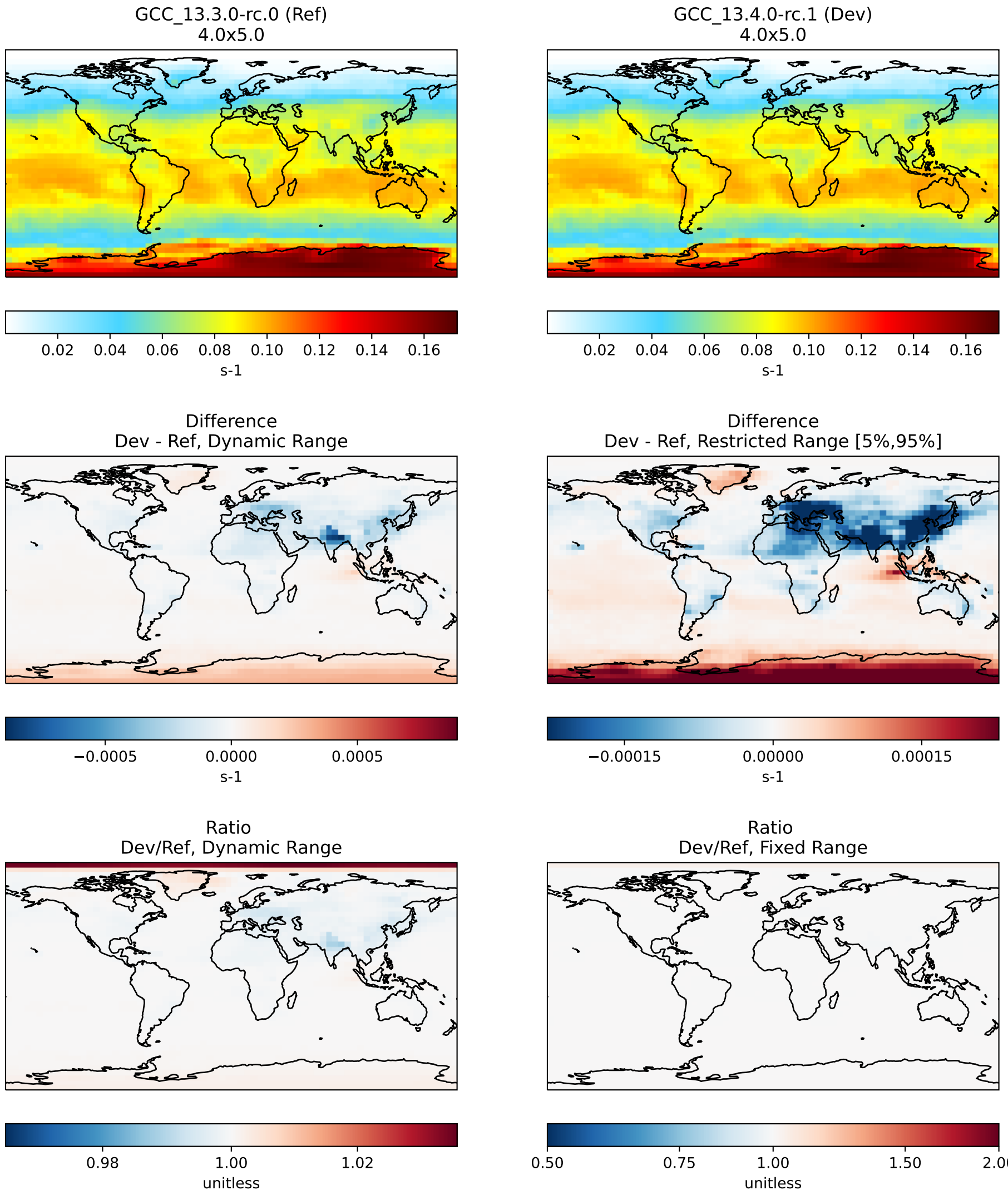
Ratio
Dev/Ref, Dynamic Range



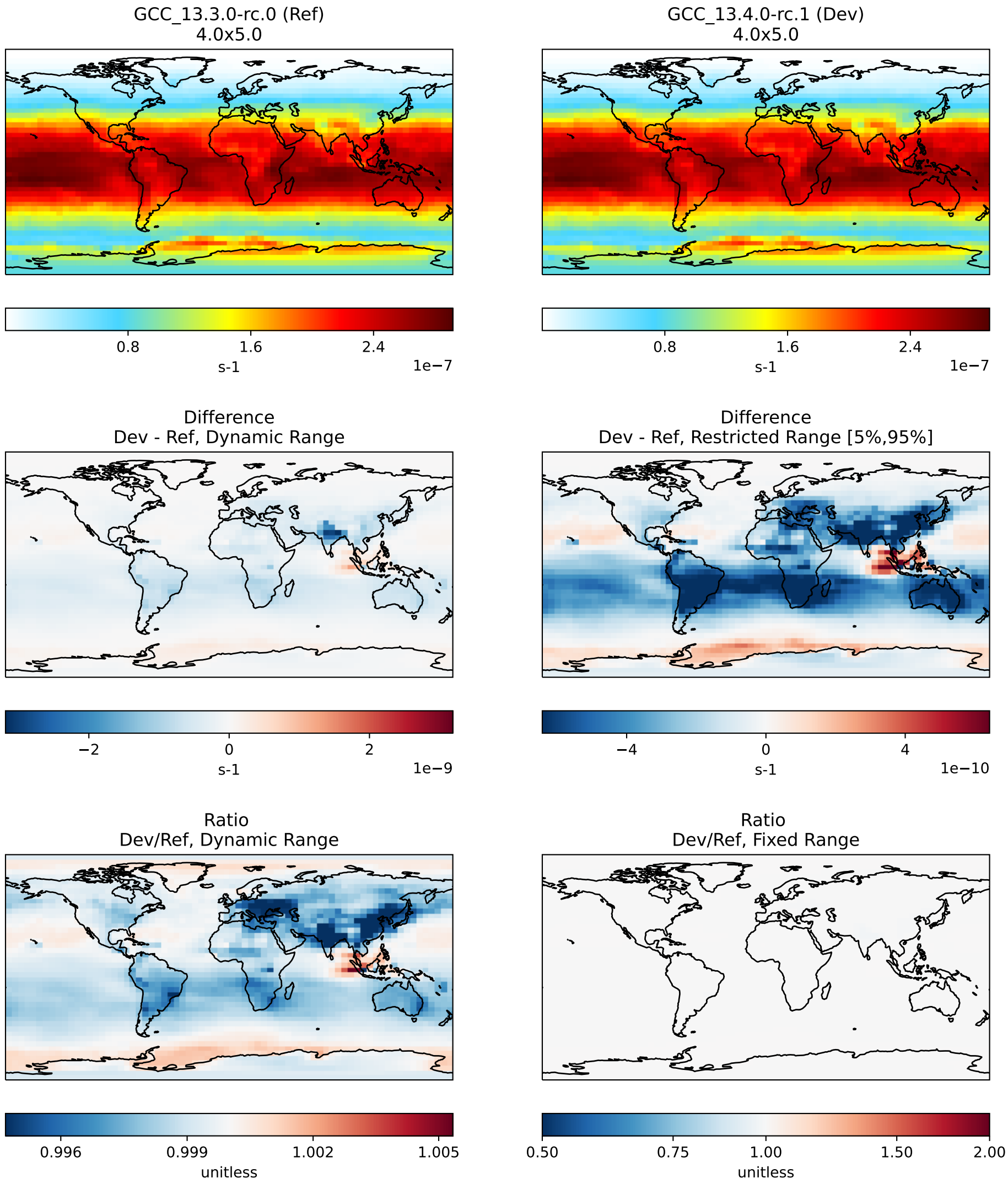
Ratio
Dev/Ref, Fixed Range



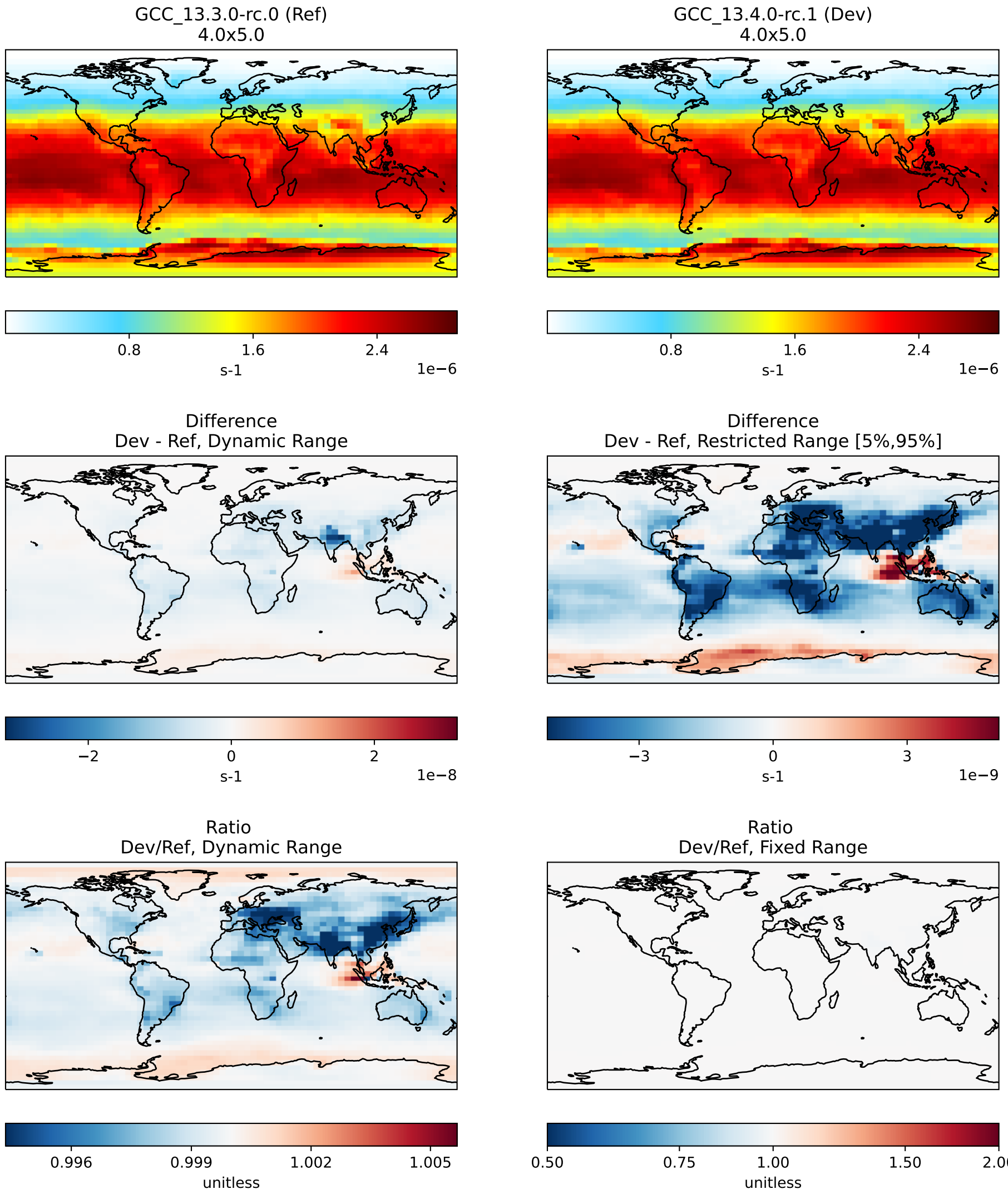
Jval_OIO (Oct2019)



Jval_PAN (Oct2019)

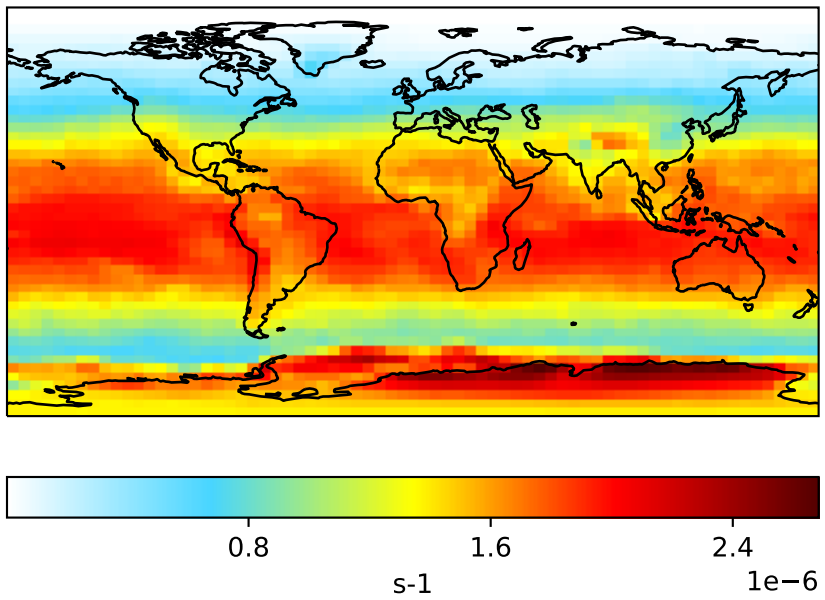


Jval_PIP (Oct2019)

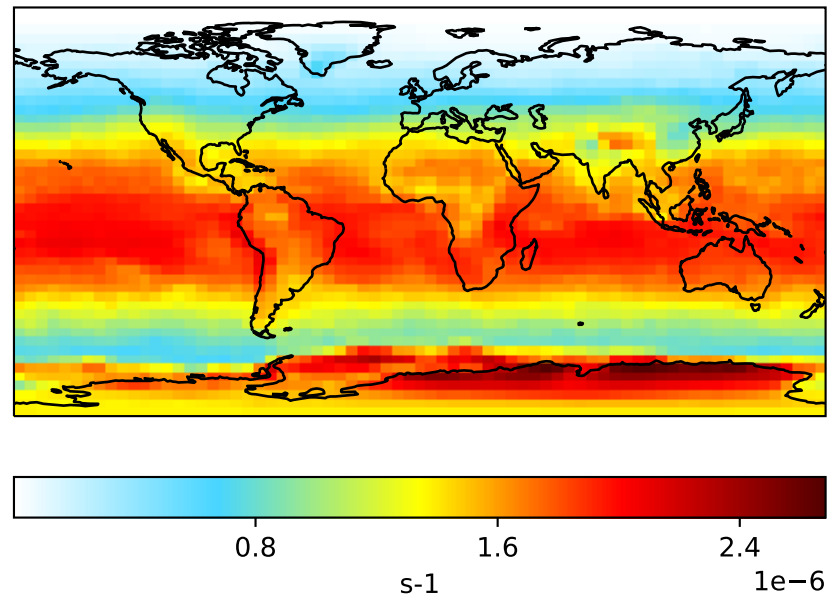


Jval_PP (Oct2019)

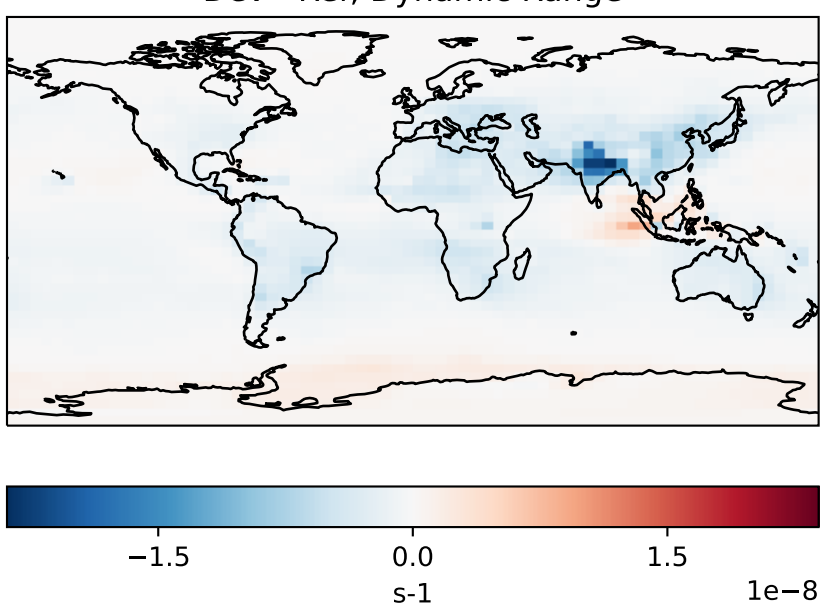
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



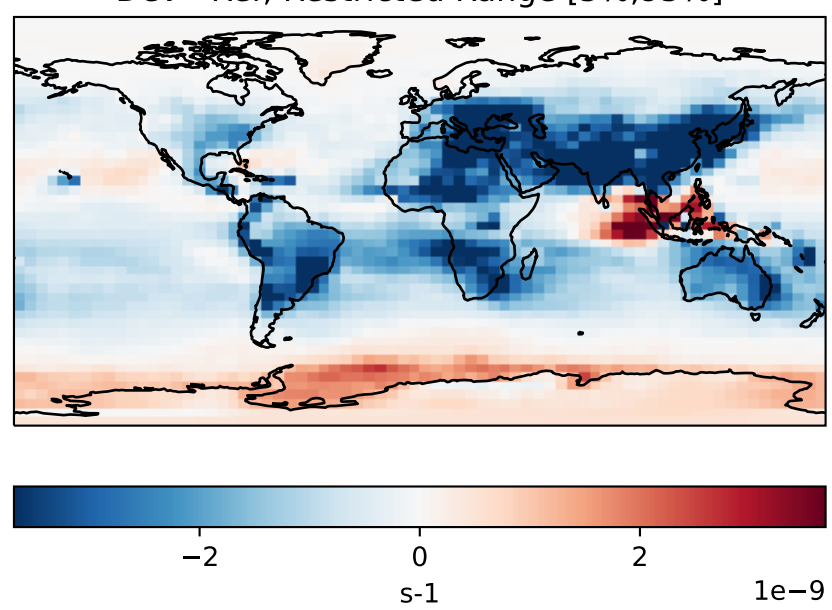
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



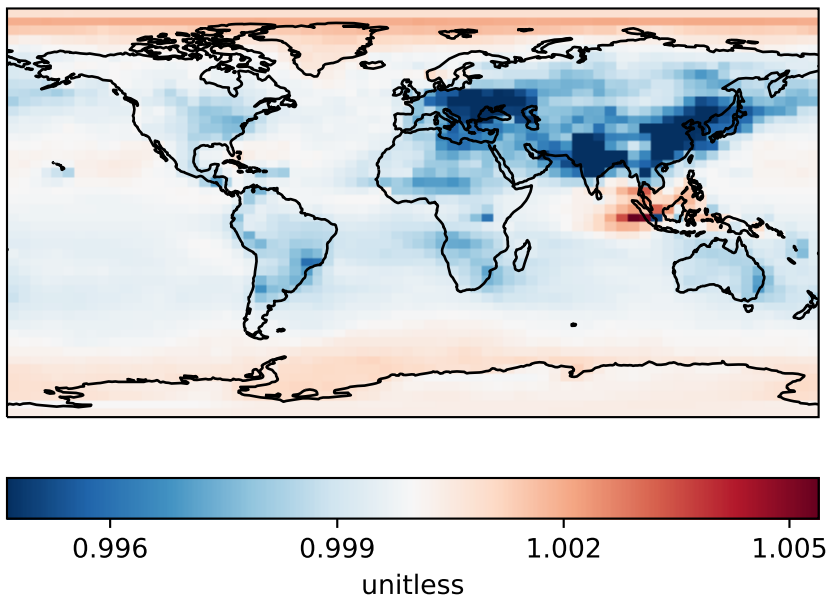
Difference
Dev - Ref, Dynamic Range



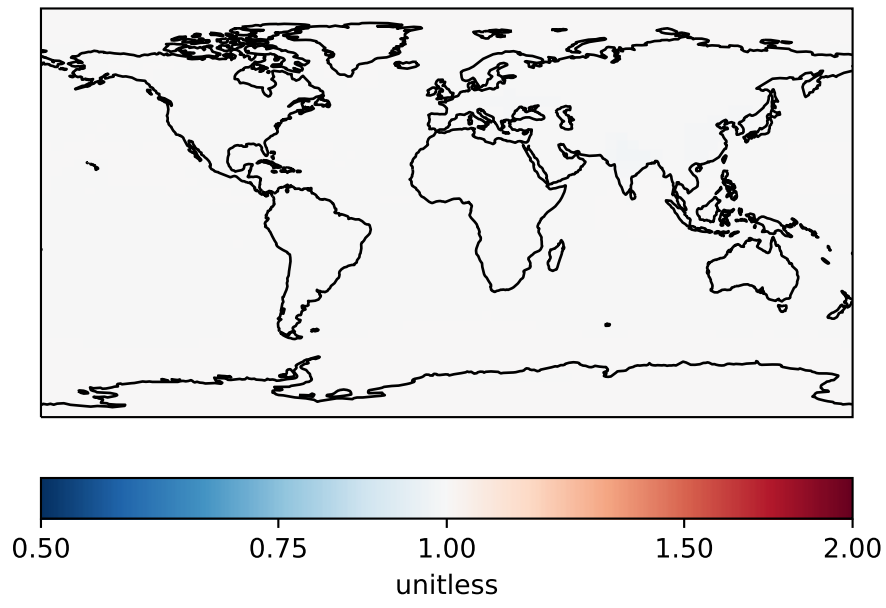
Difference
Dev - Ref, Restricted Range [5%,95%]



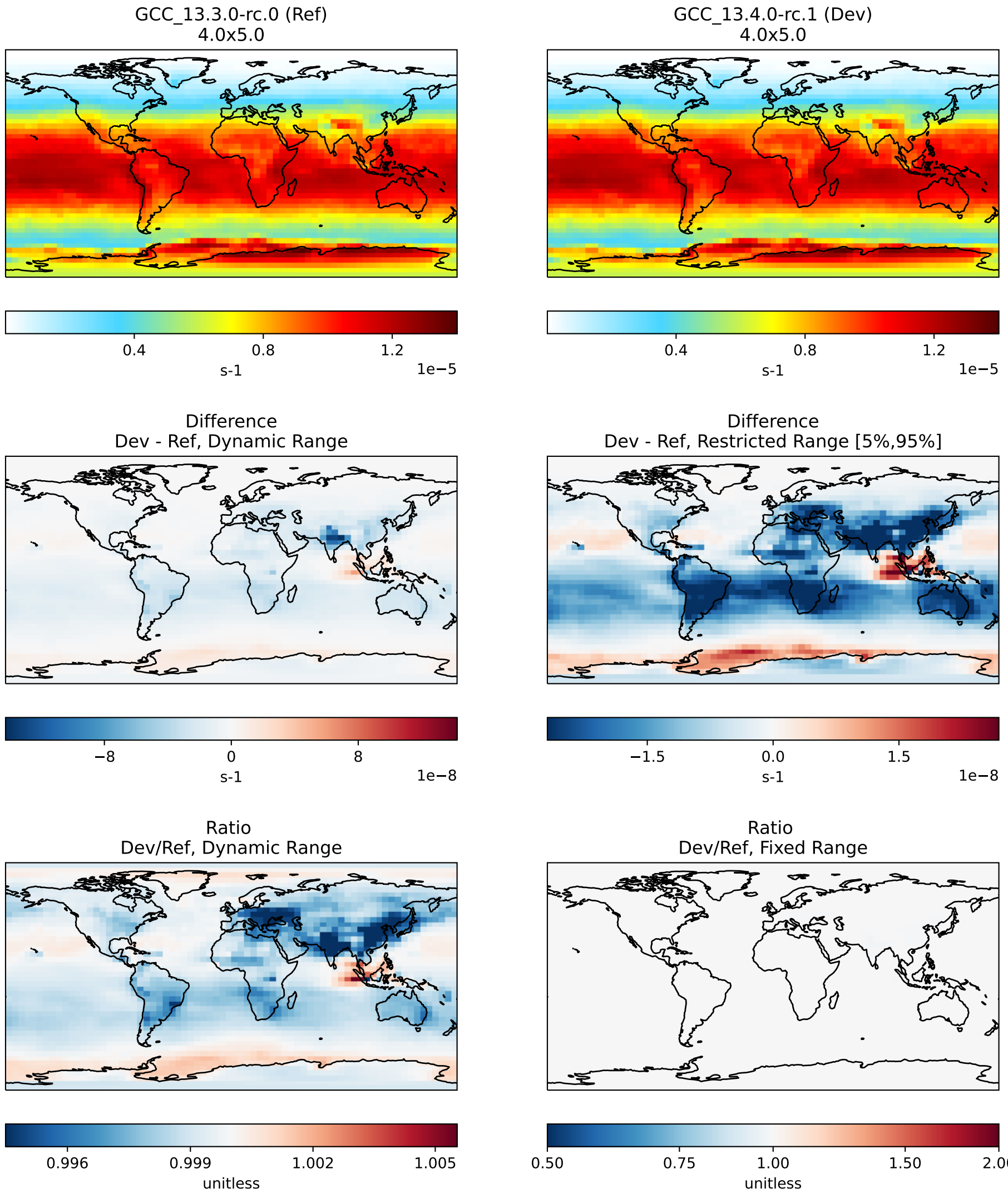
Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

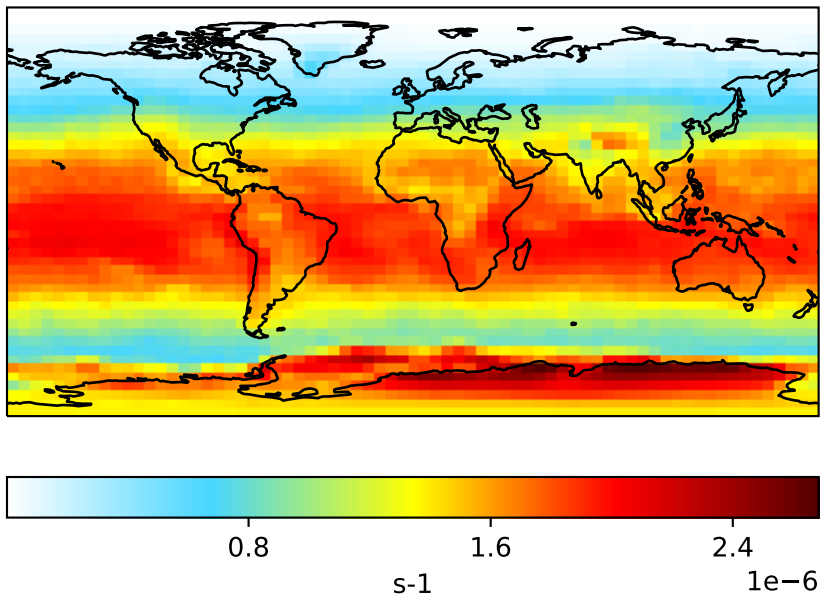


Jval_PROPNN (Oct2019)

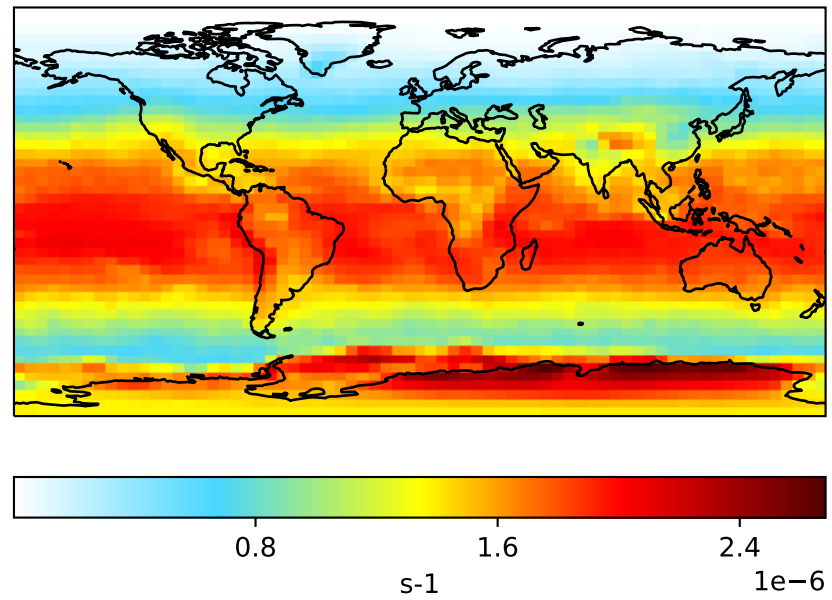


Jval_PRPN (Oct2019)

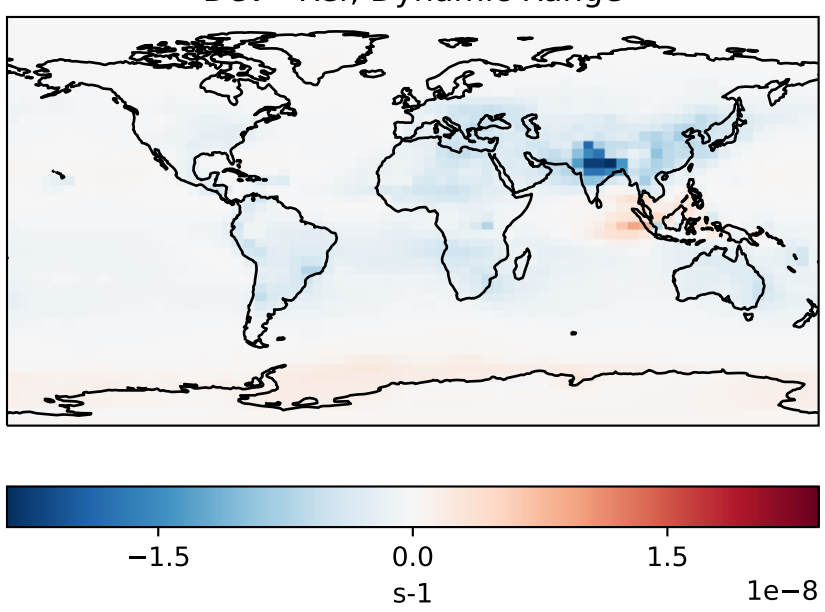
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



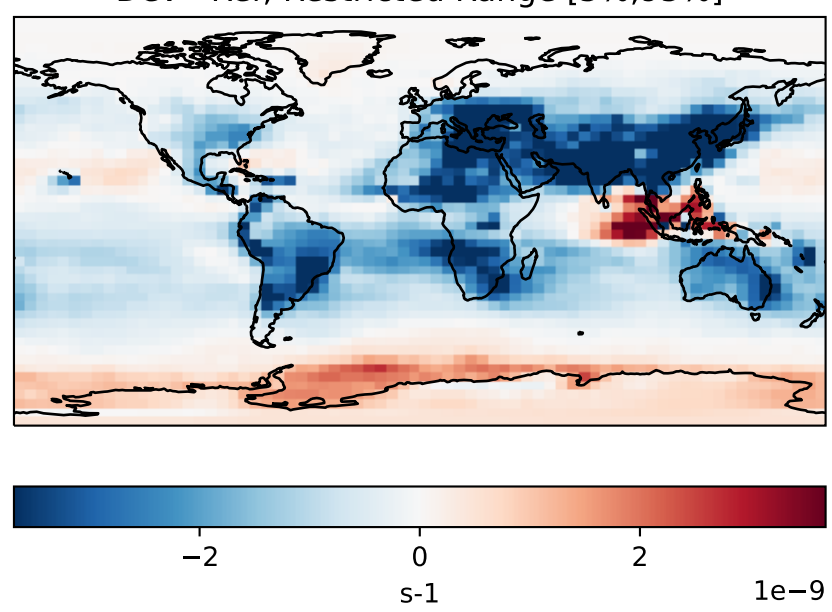
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



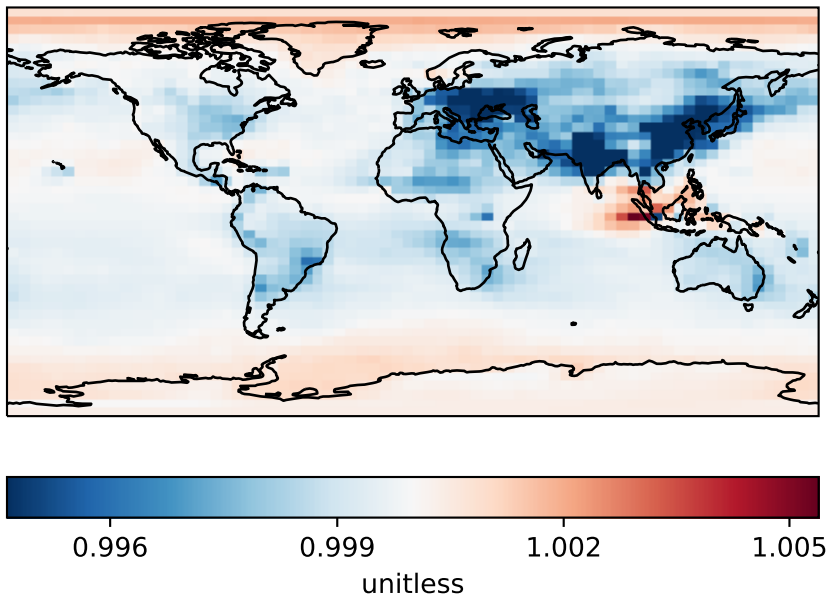
Difference
Dev - Ref, Dynamic Range



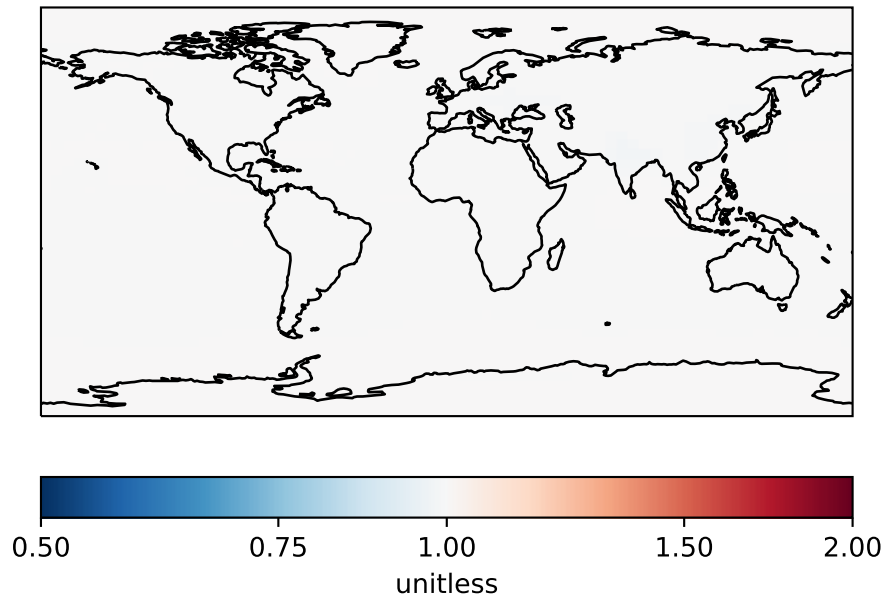
Difference
Dev - Ref, Restricted Range [5%,95%]



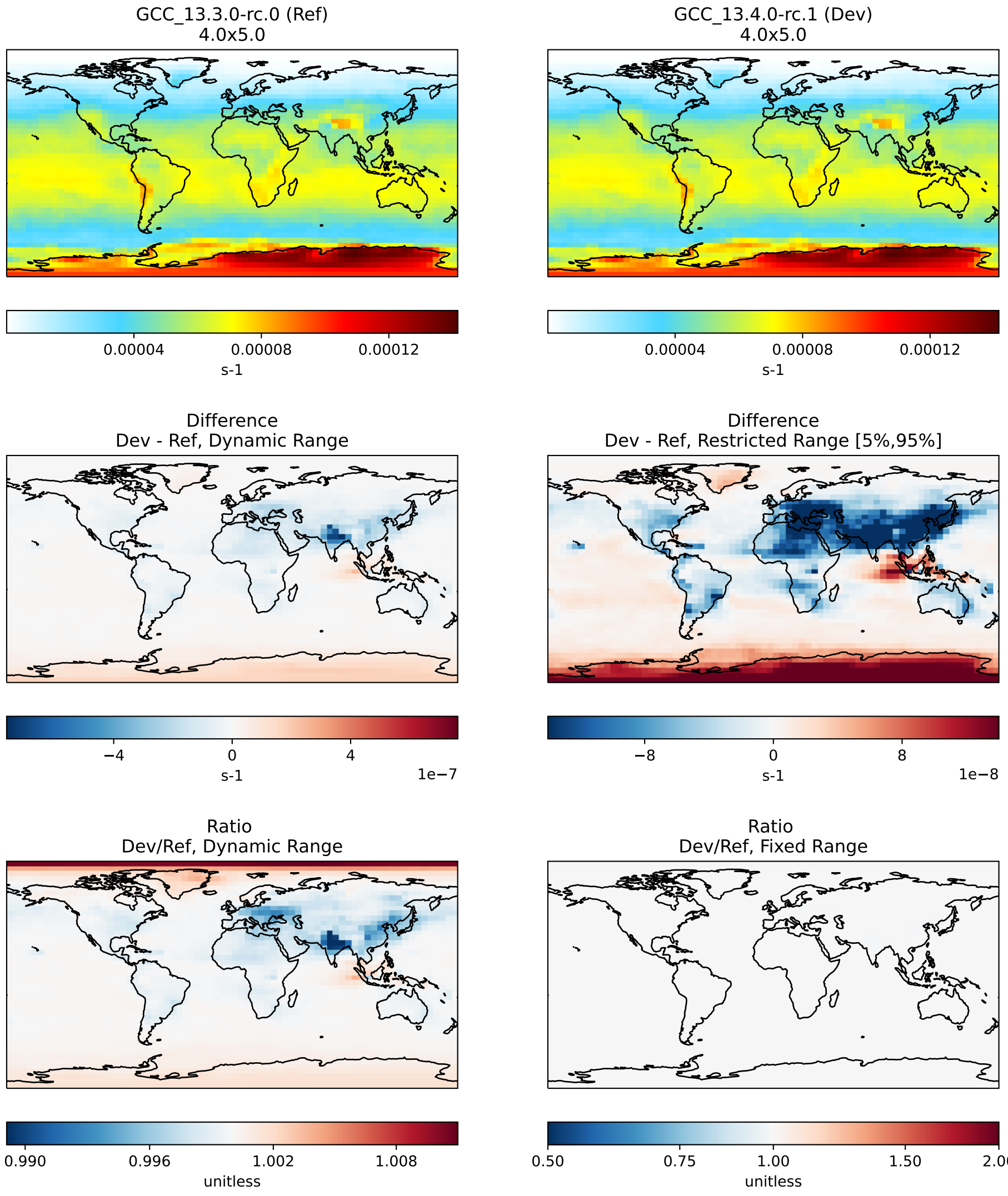
Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

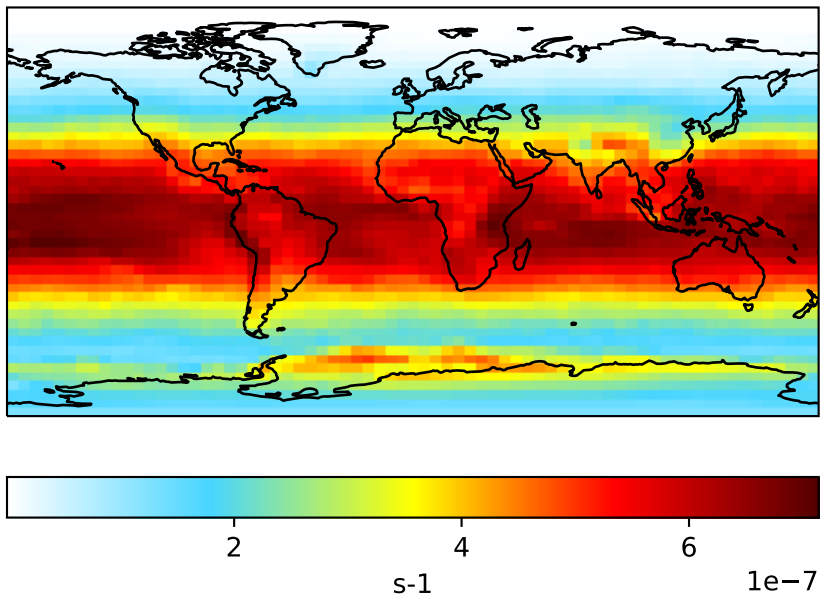


Jval_PYAC (Oct2019)

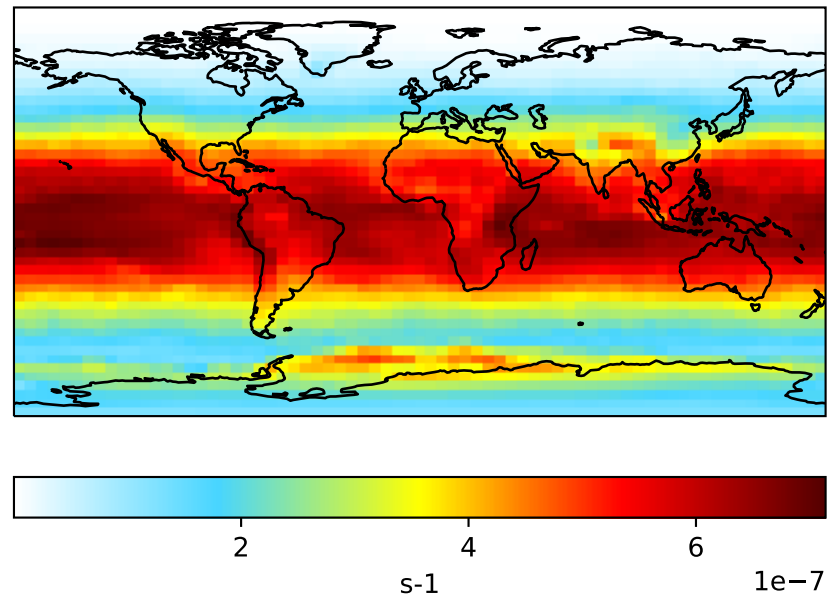


Jval_R4N2 (Oct2019)

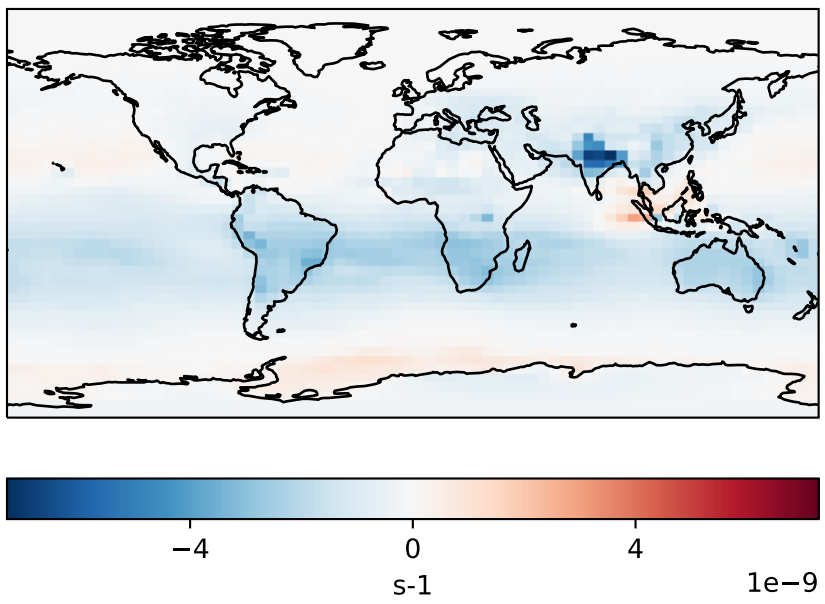
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



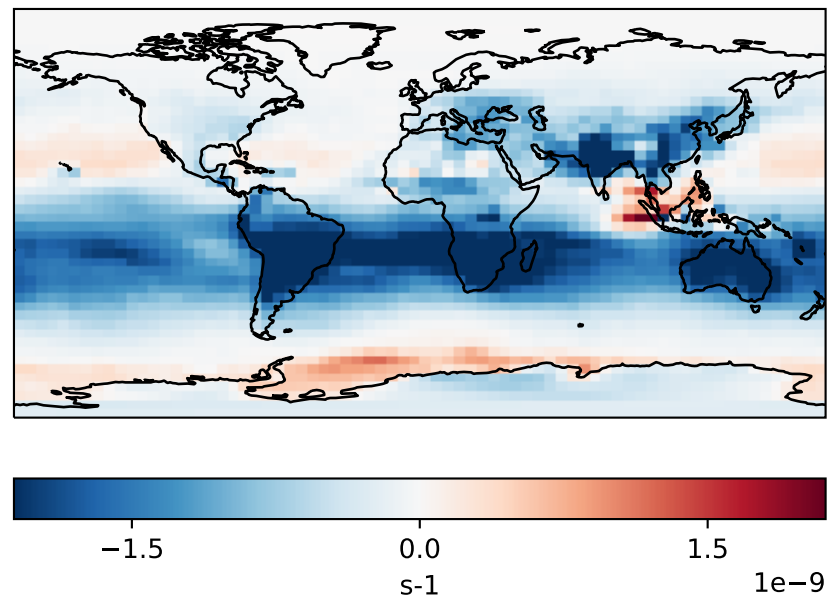
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



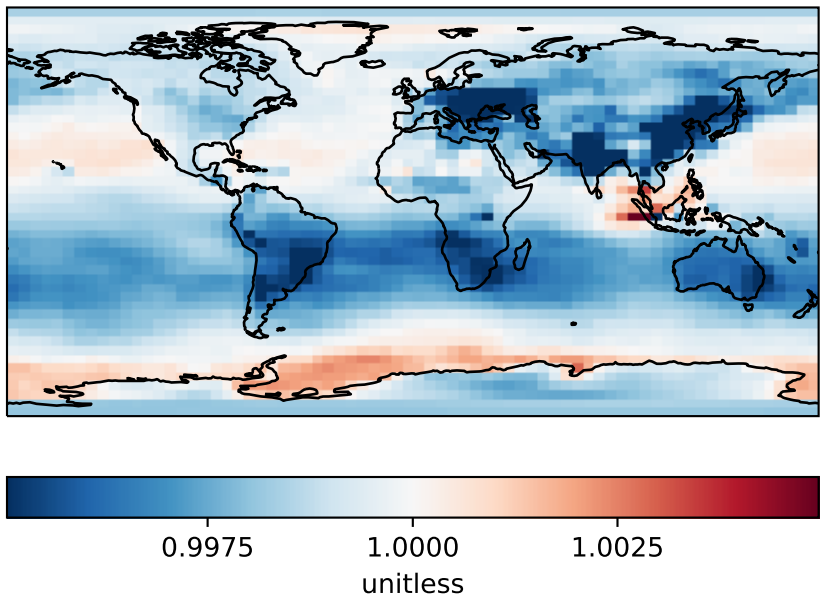
Difference
Dev - Ref, Dynamic Range



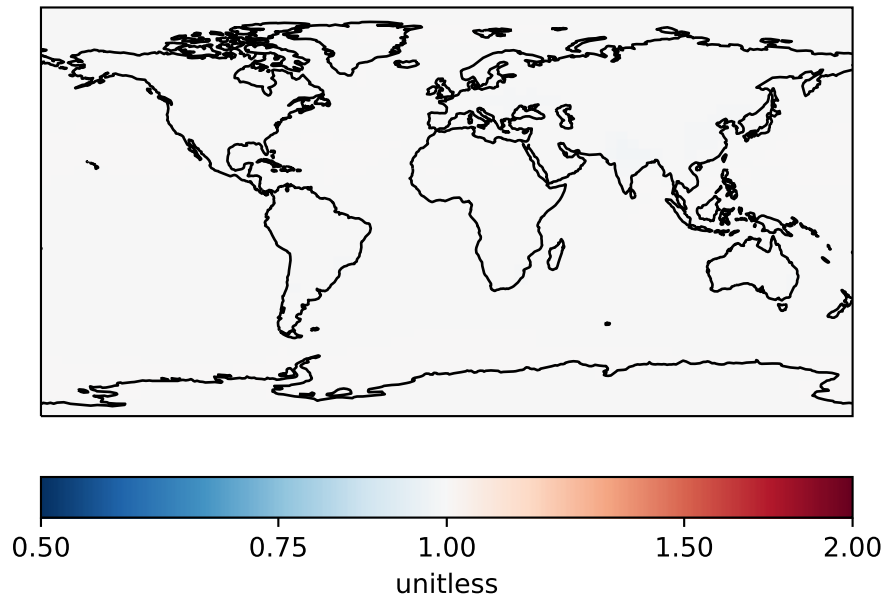
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

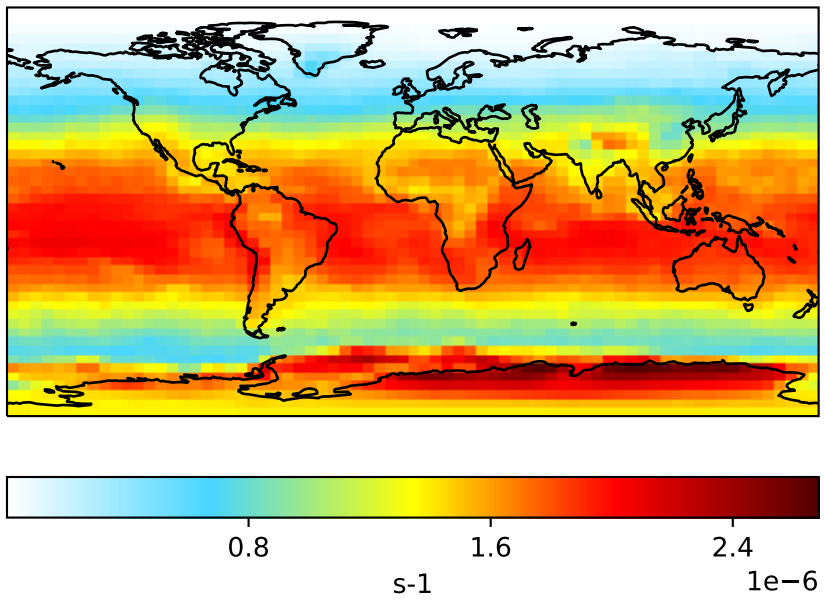


Ratio
Dev/Ref, Fixed Range

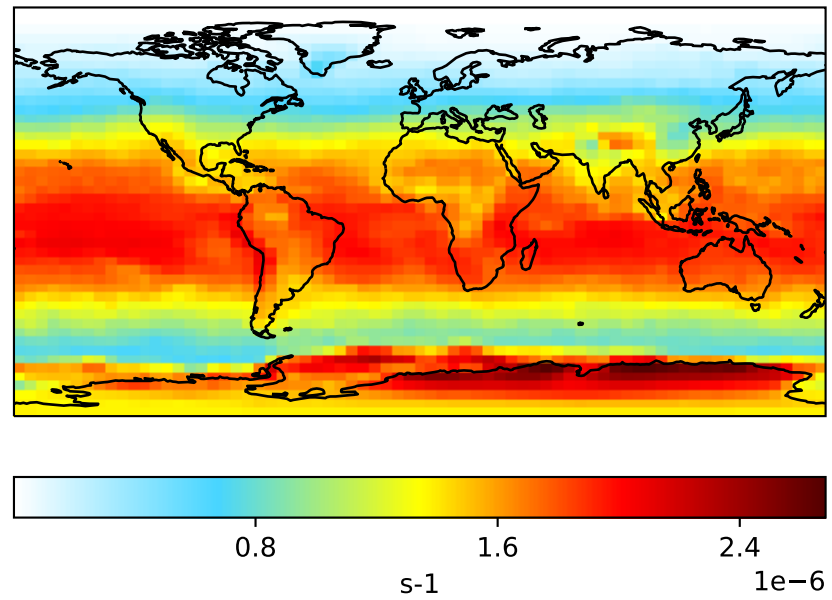


Jval_R4P (Oct2019)

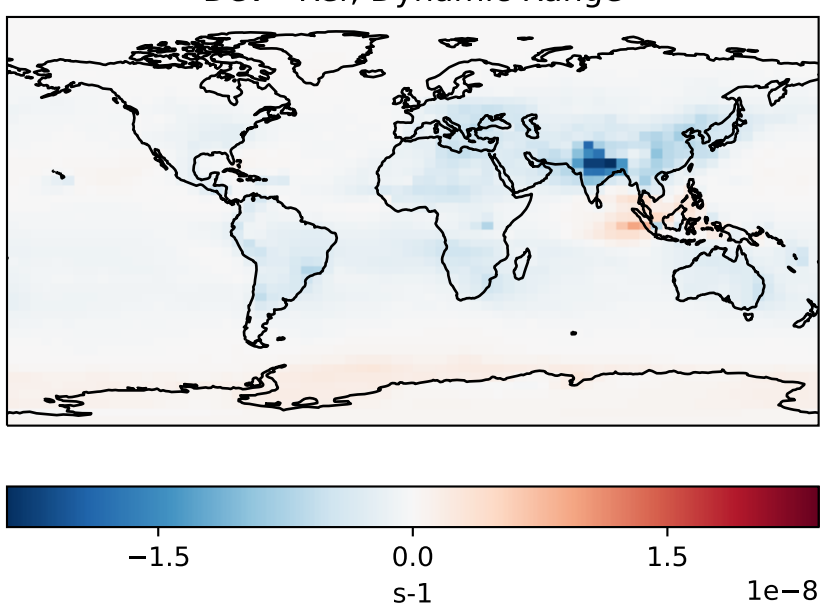
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



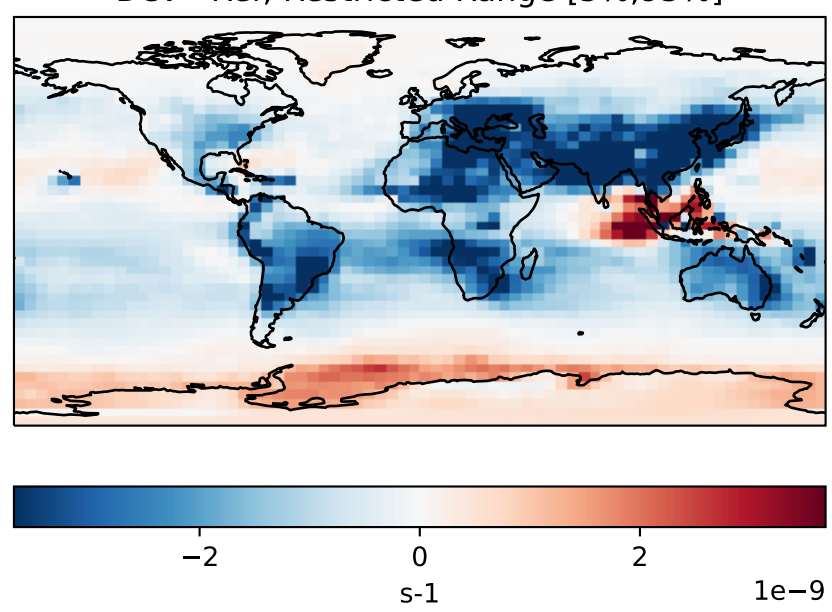
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



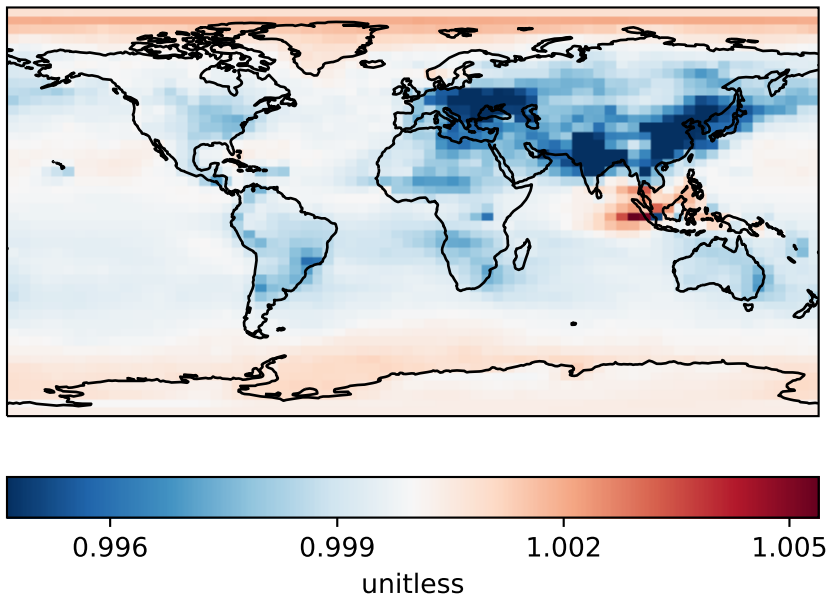
Difference
Dev - Ref, Dynamic Range



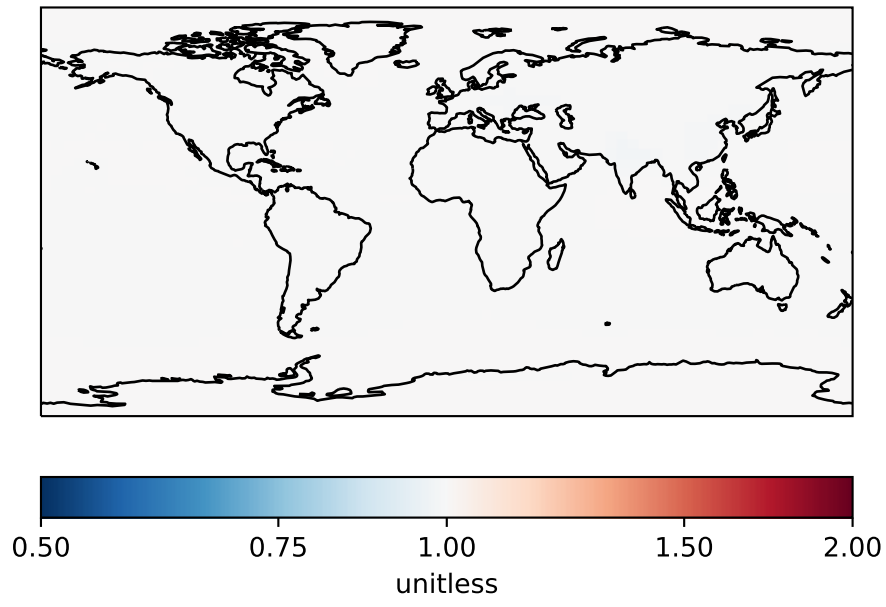
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

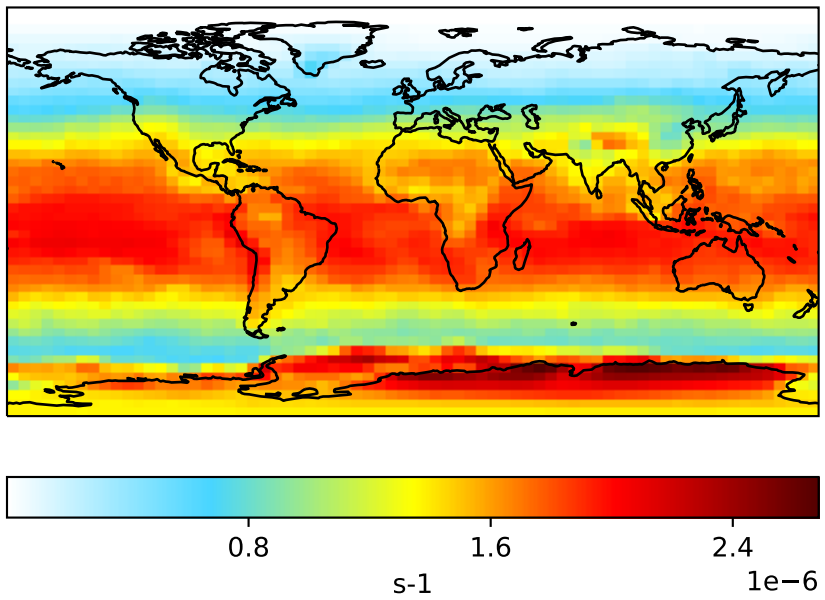


Ratio
Dev/Ref, Fixed Range

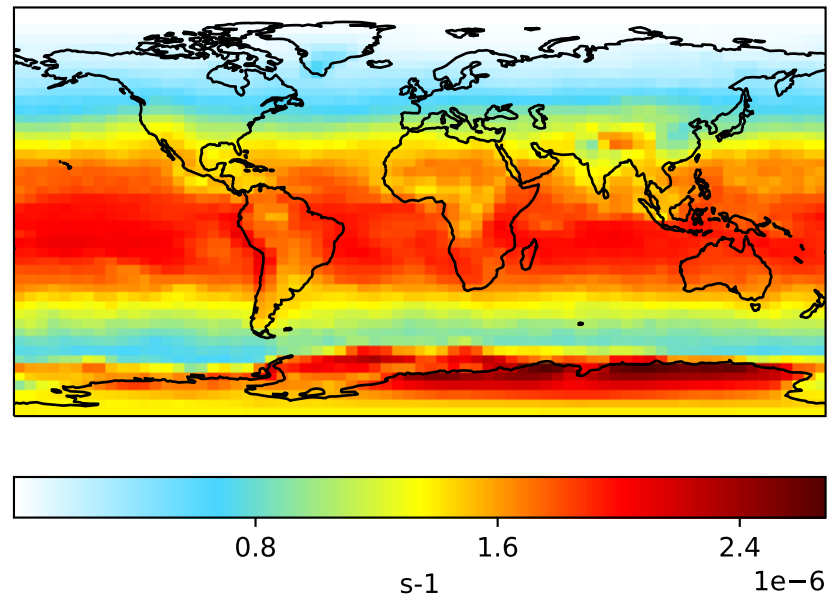


Jval_RA3P (Oct2019)

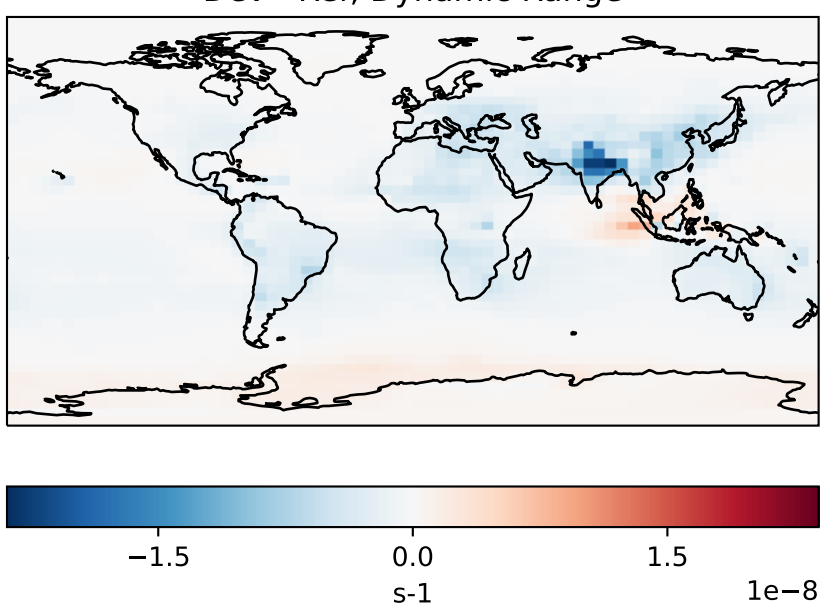
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



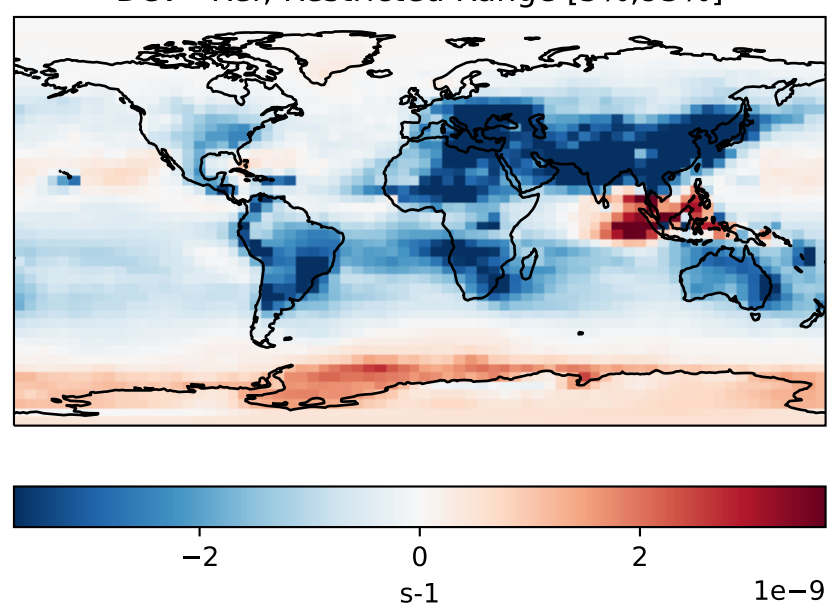
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



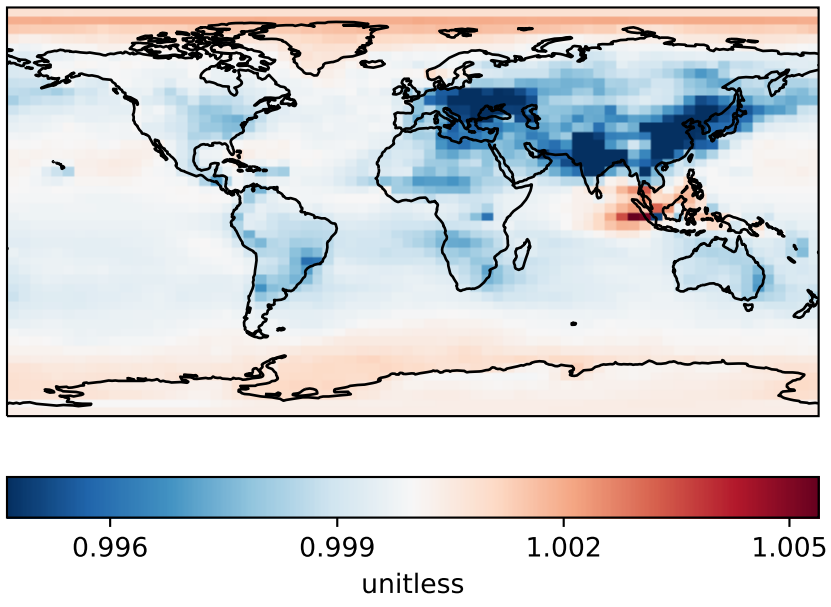
Difference
Dev - Ref, Dynamic Range



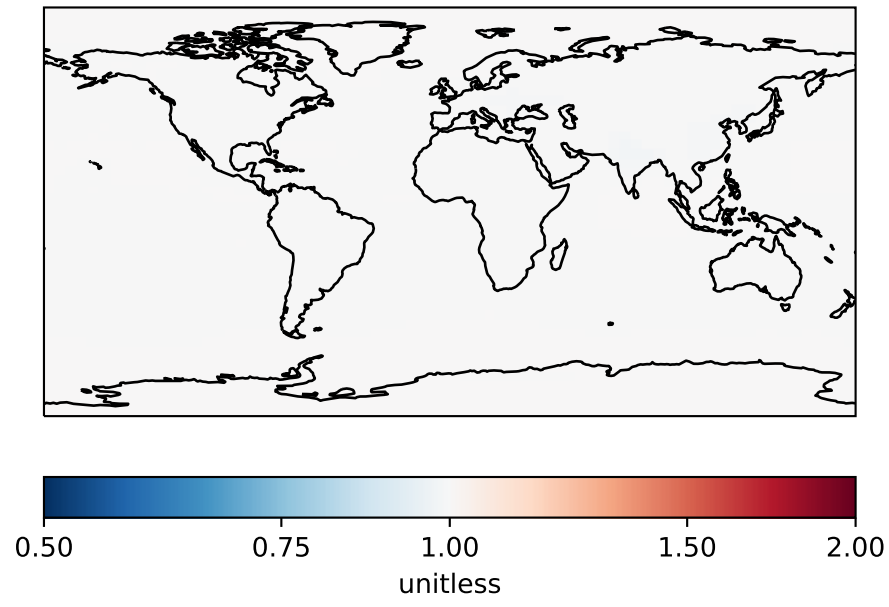
Difference
Dev - Ref, Restricted Range [5%,95%]



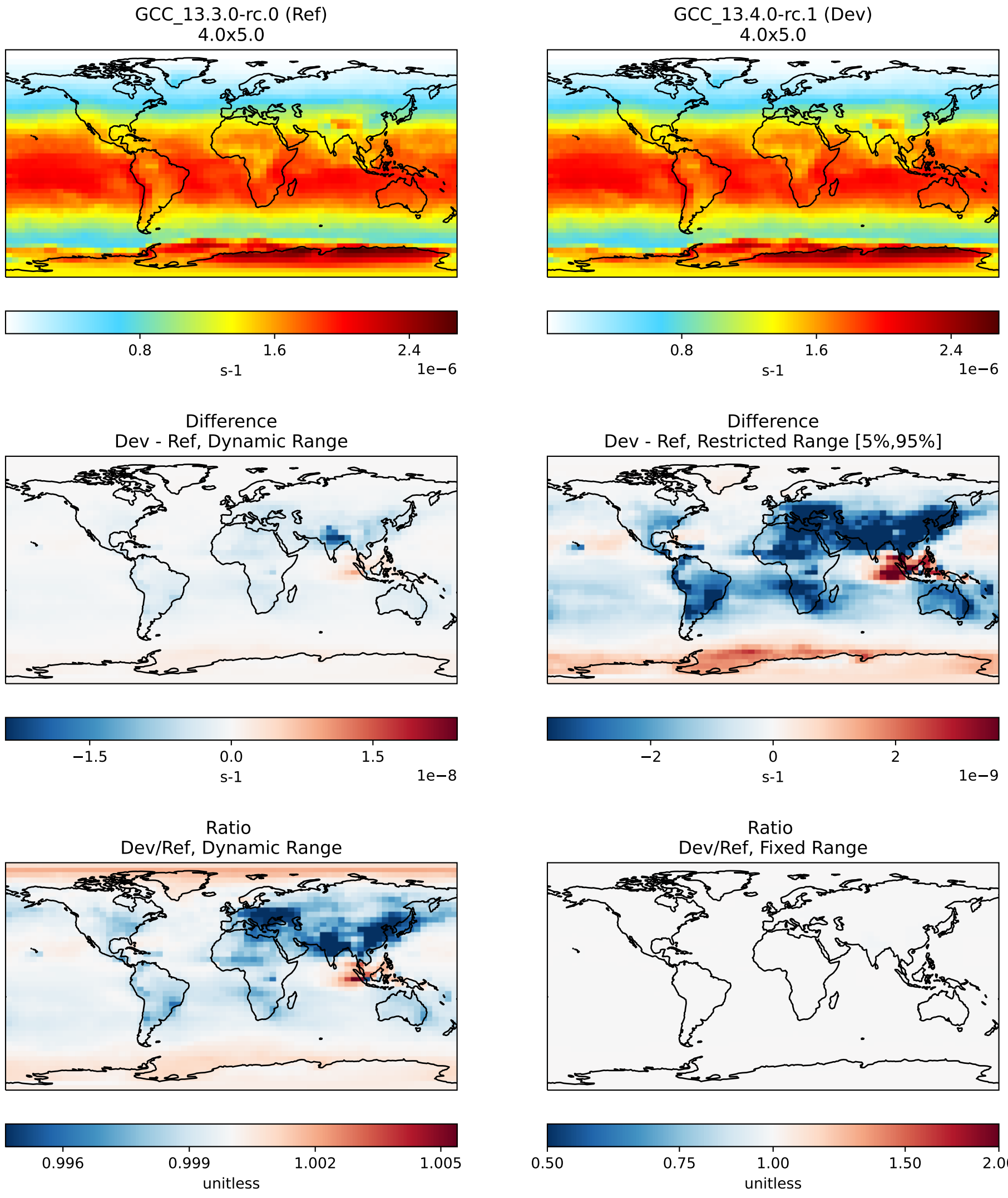
Ratio
Dev/Ref, Dynamic Range



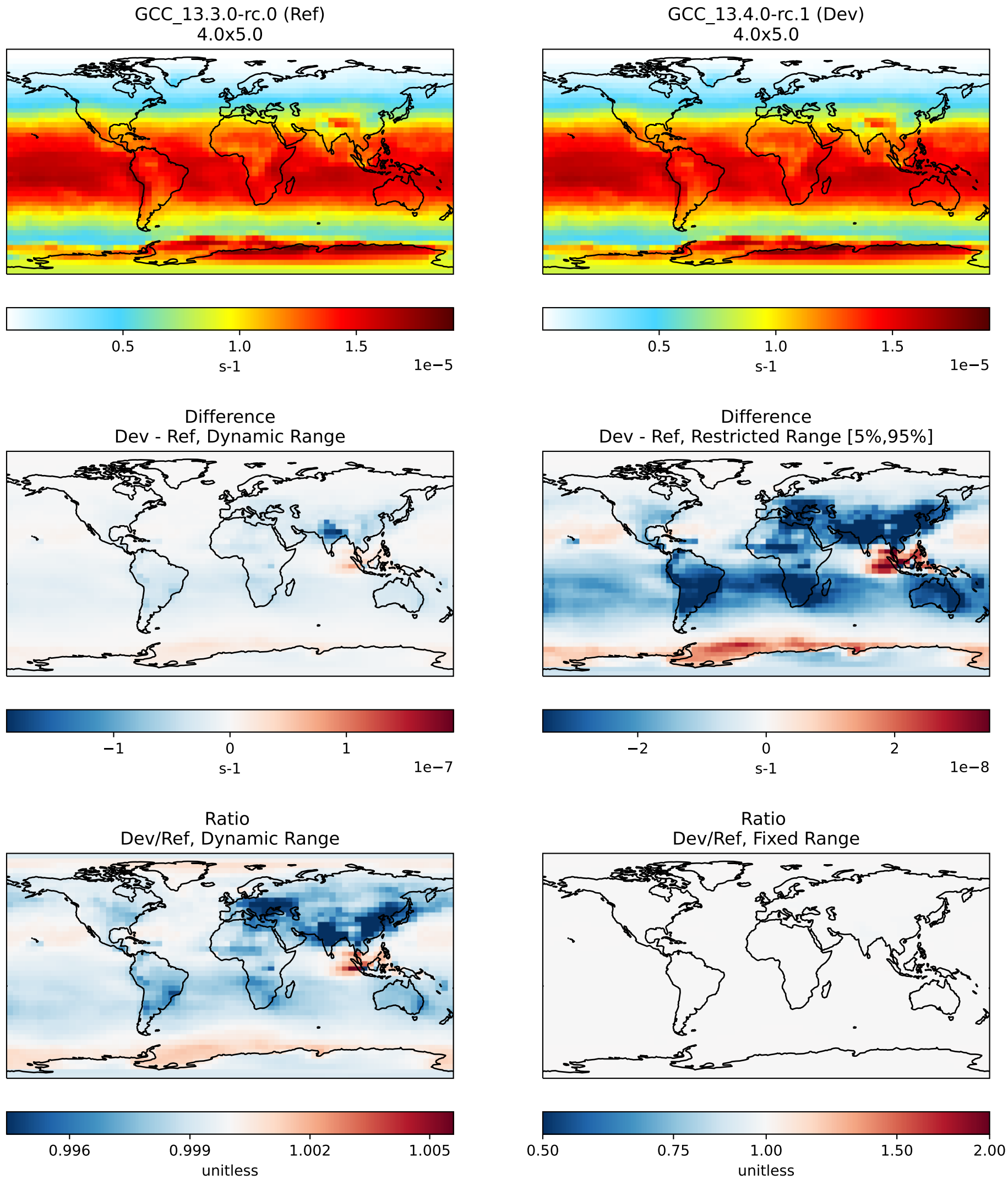
Ratio
Dev/Ref, Fixed Range



Jval_RB3P (Oct2019)

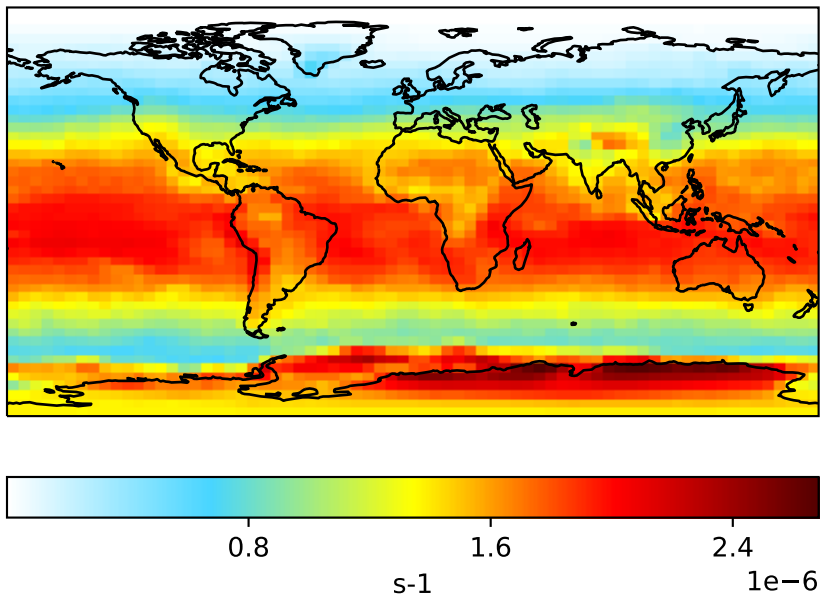


Jval_RCHO (Oct2019)

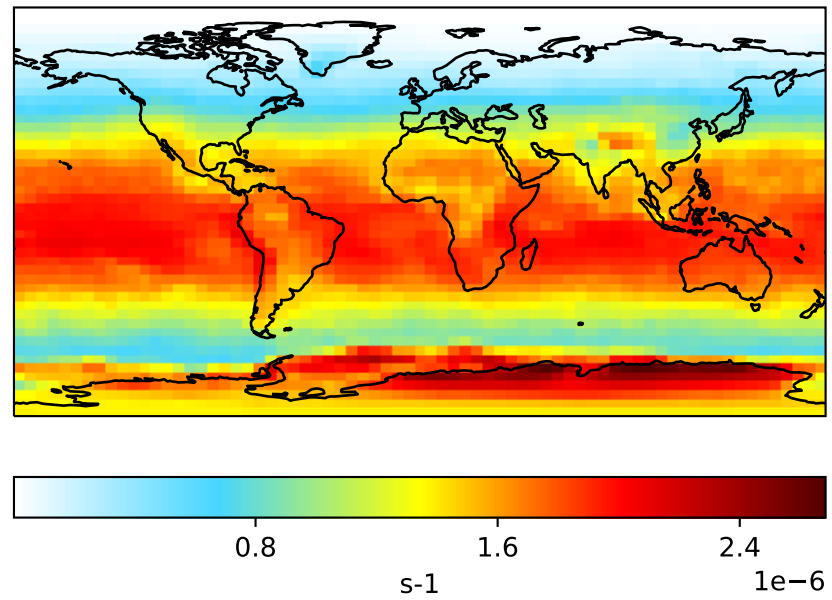


Jval_RIPA (Oct2019)

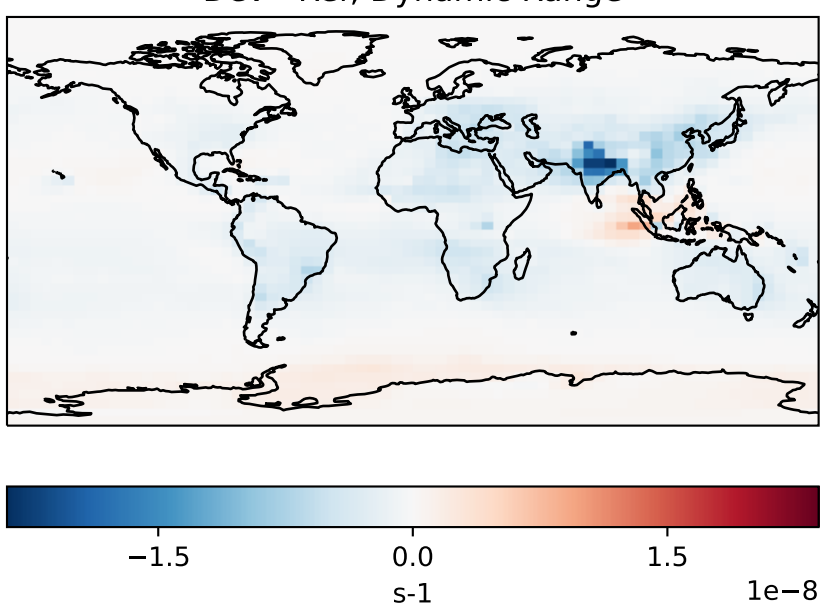
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



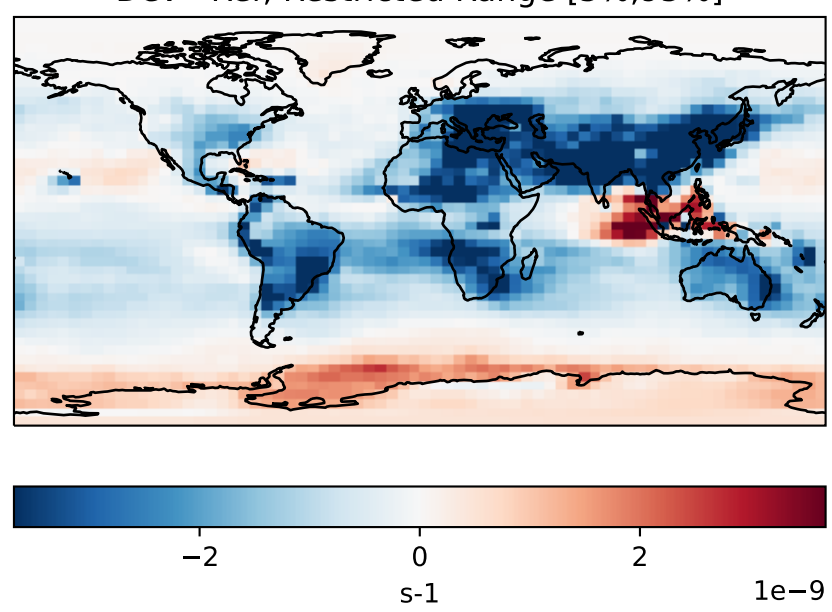
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



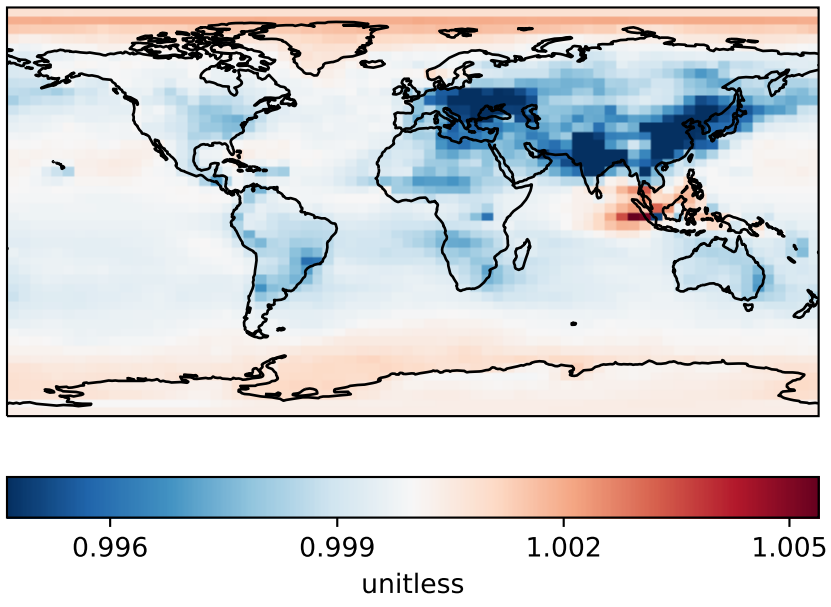
Difference
Dev - Ref, Dynamic Range



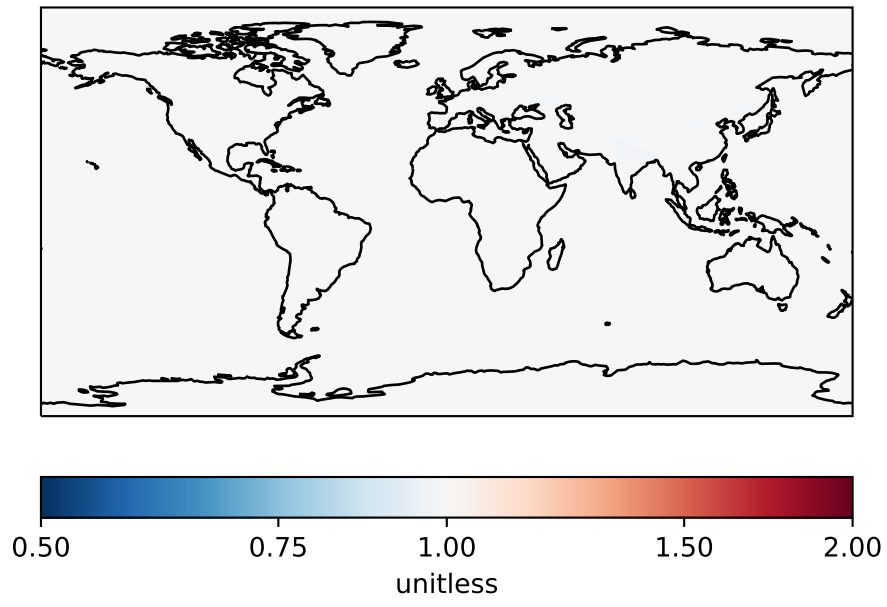
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

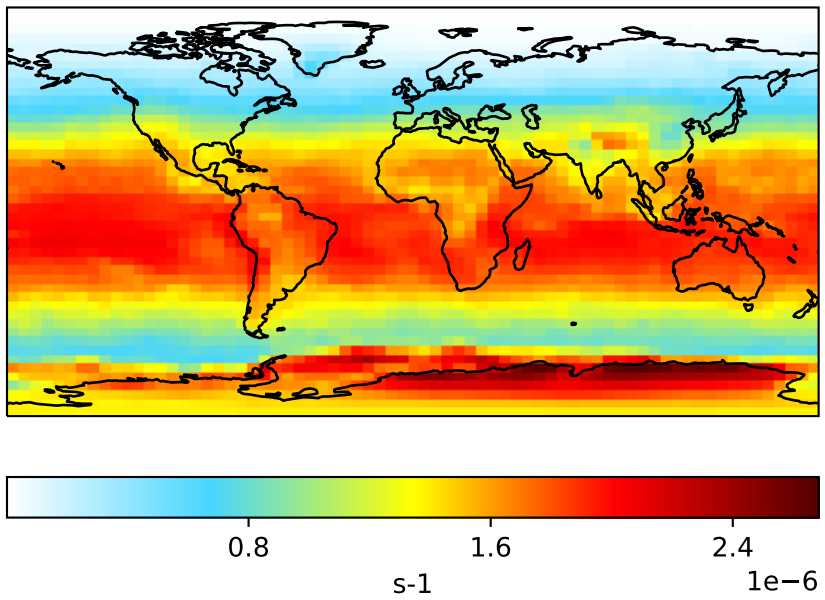


Ratio
Dev/Ref, Fixed Range

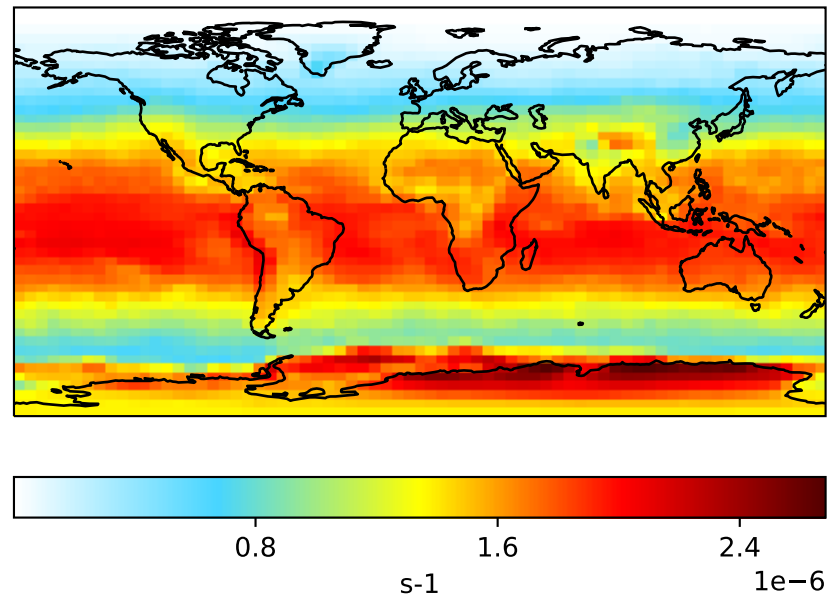


Jval_RIPB (Oct2019)

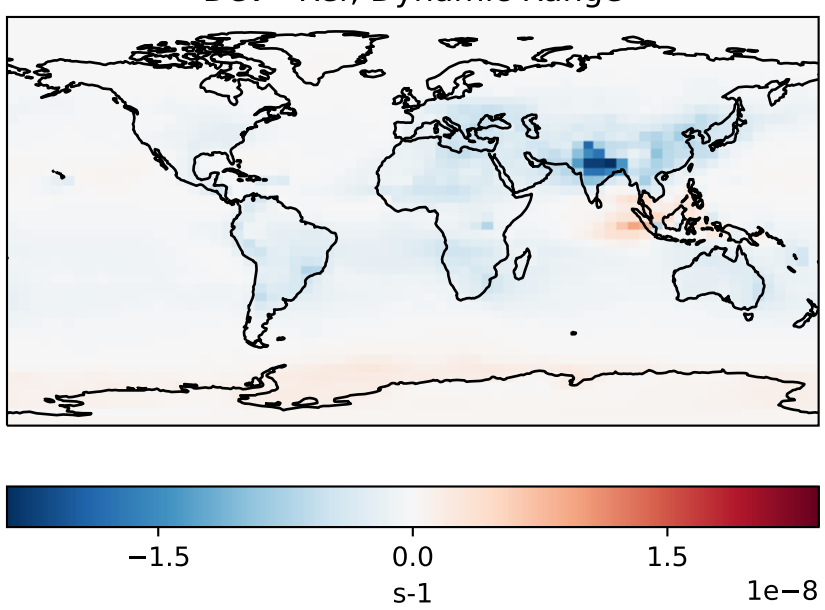
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



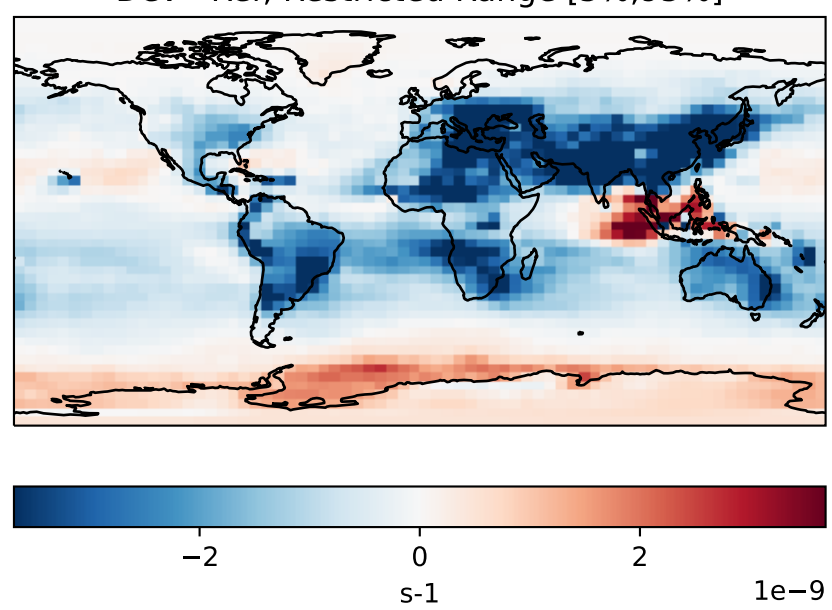
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



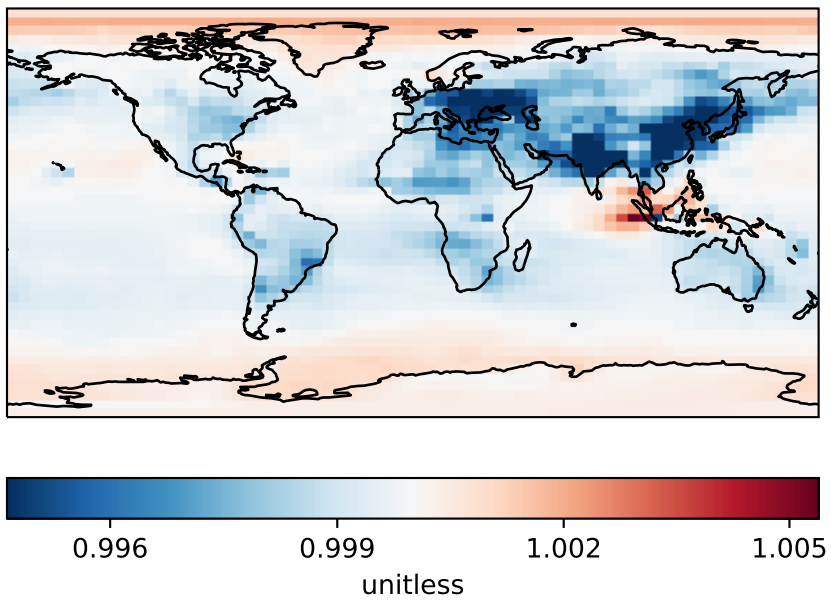
Difference
Dev - Ref, Dynamic Range



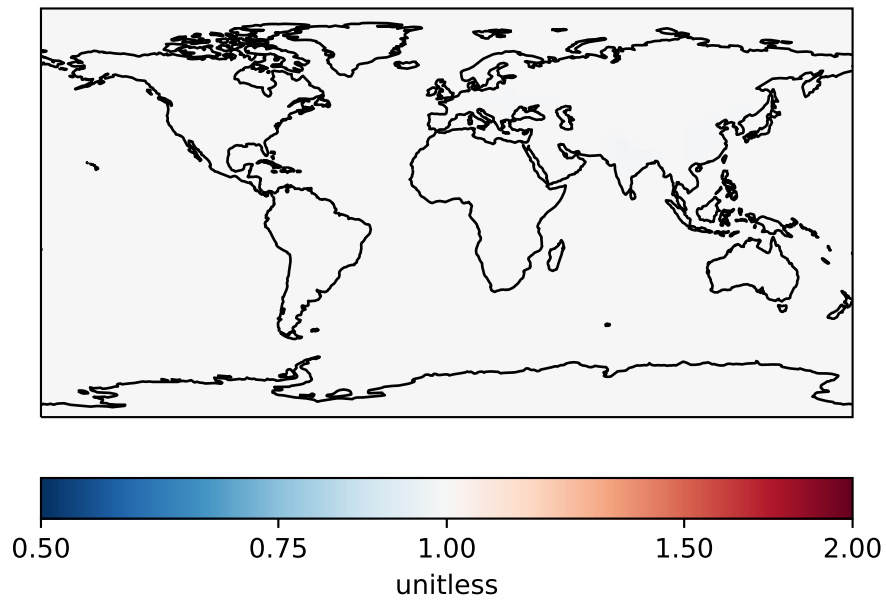
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

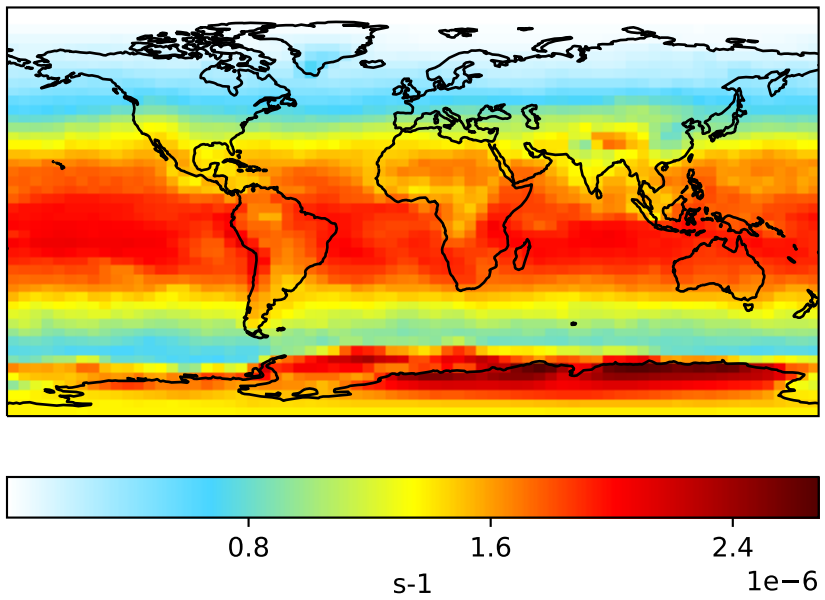


Ratio
Dev/Ref, Fixed Range

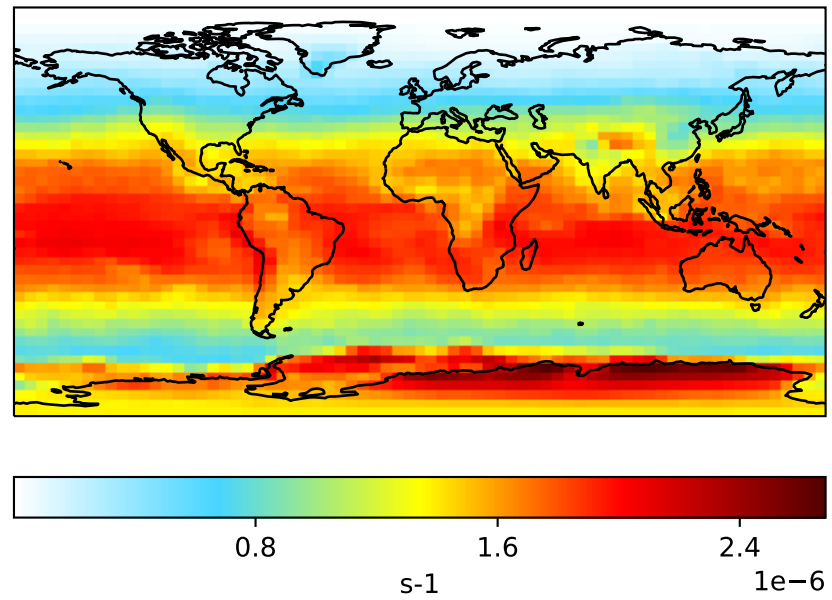


Jval_RIPC (Oct2019)

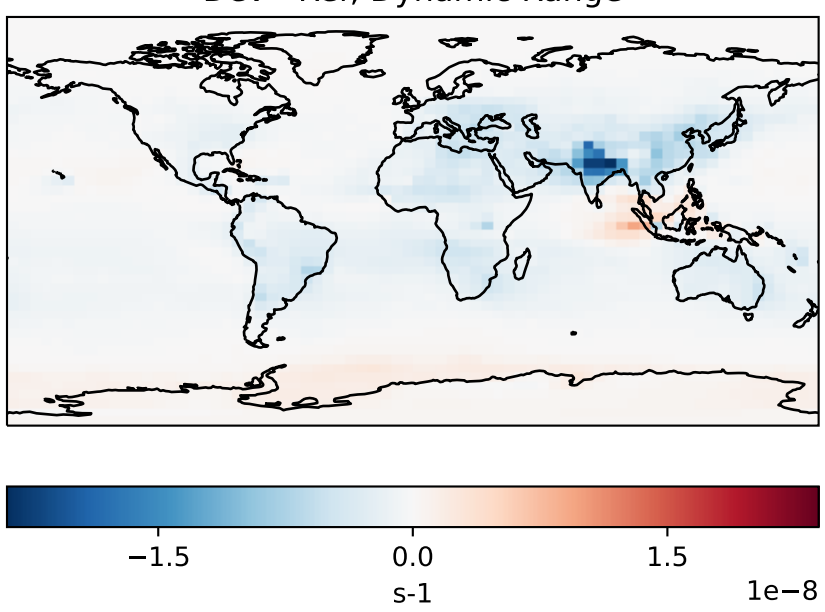
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



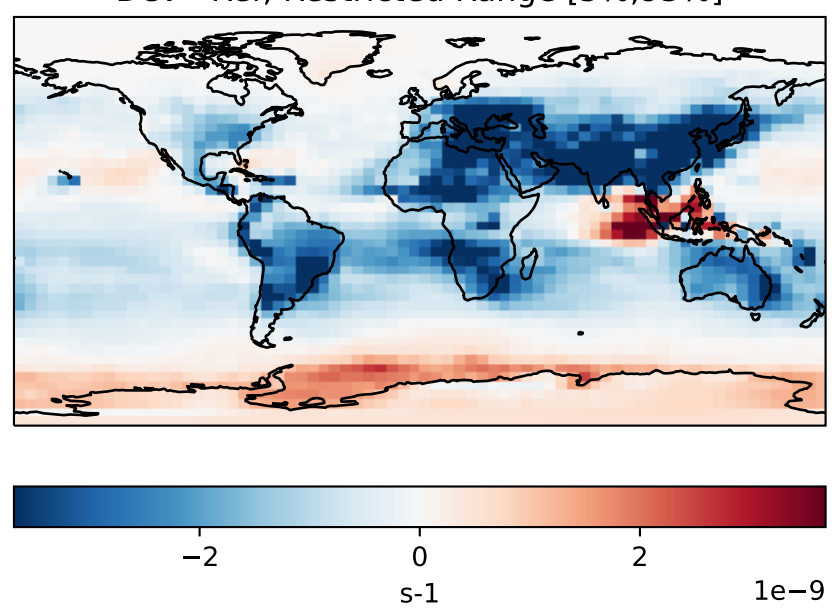
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



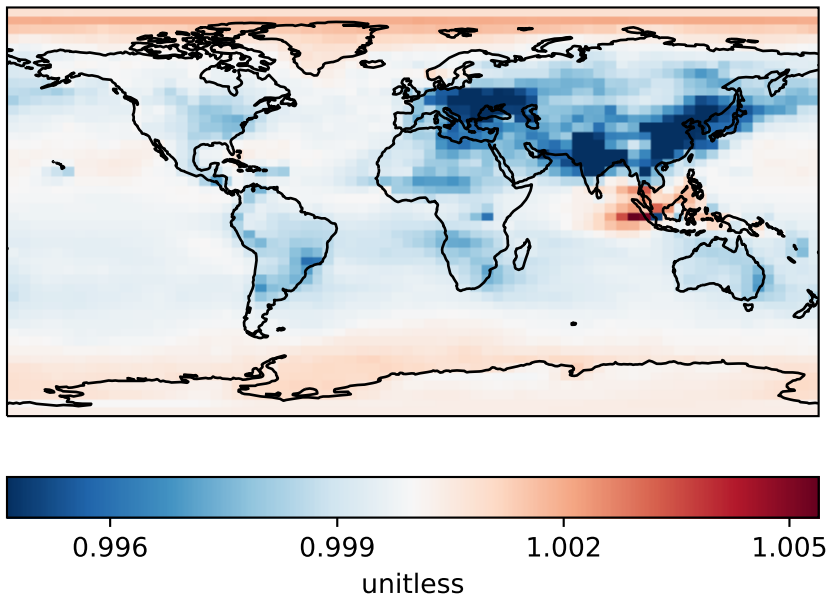
Difference
Dev - Ref, Dynamic Range



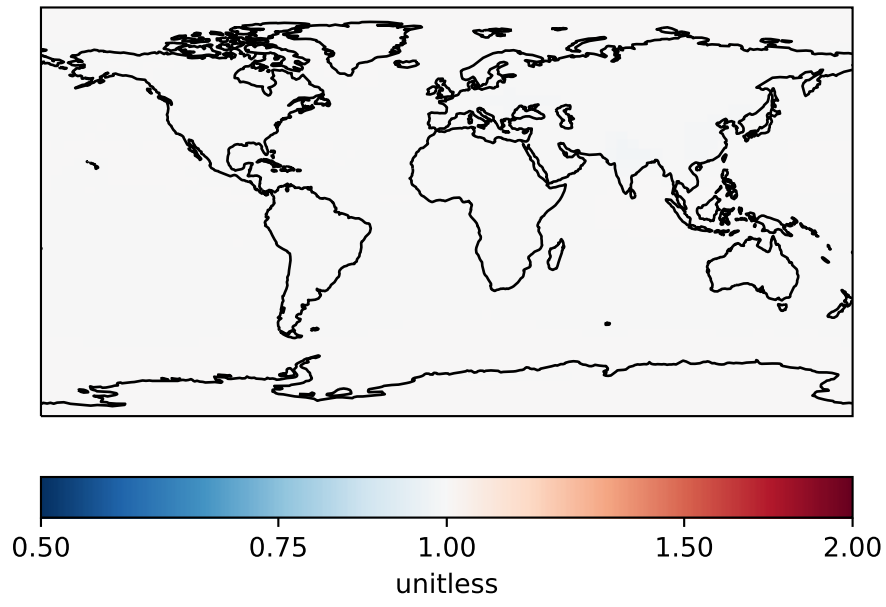
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

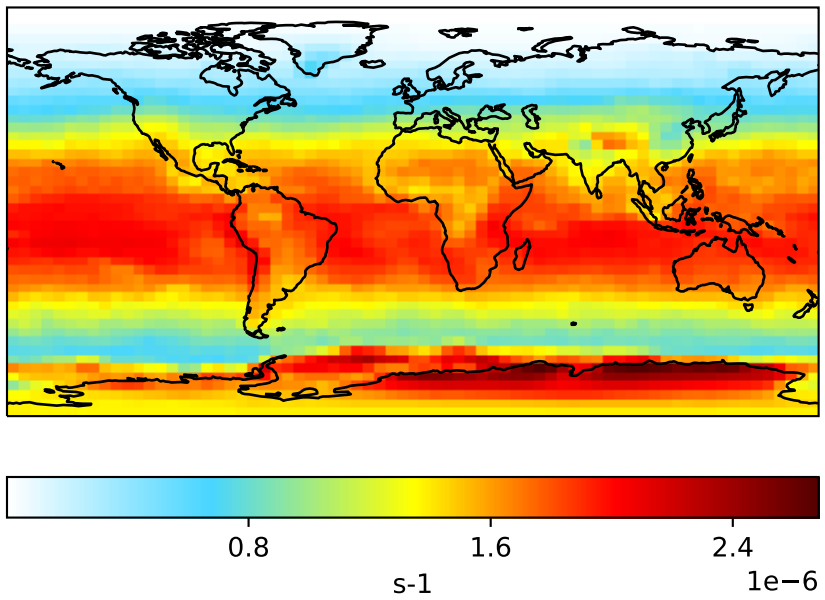


Ratio
Dev/Ref, Fixed Range

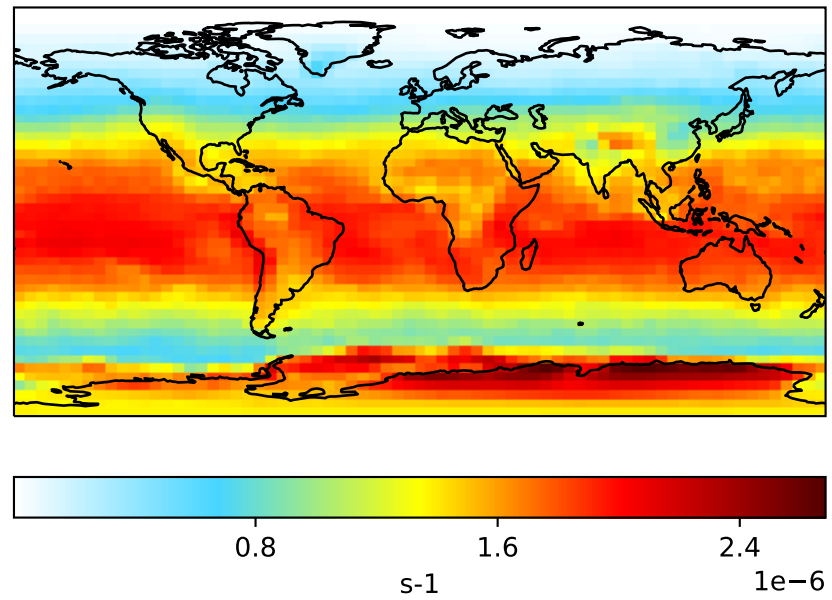


Jval_RIPD (Oct2019)

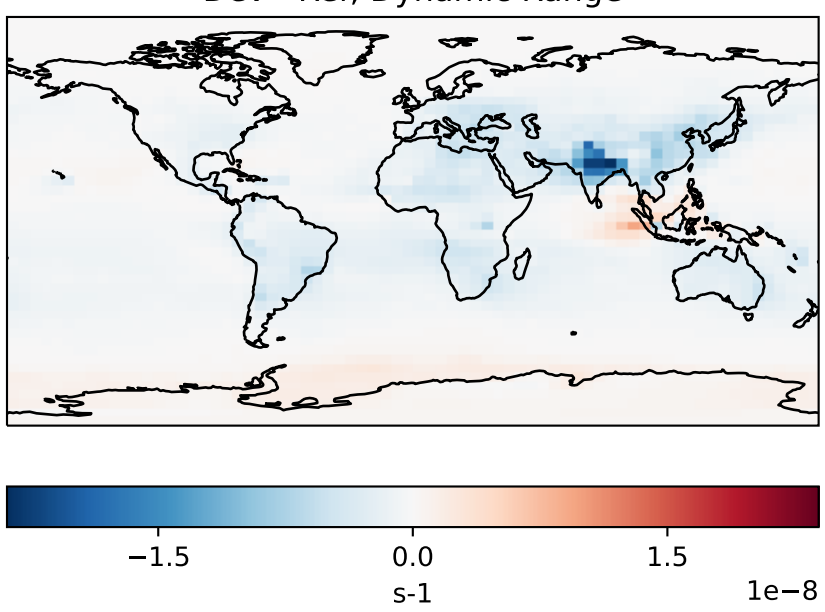
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



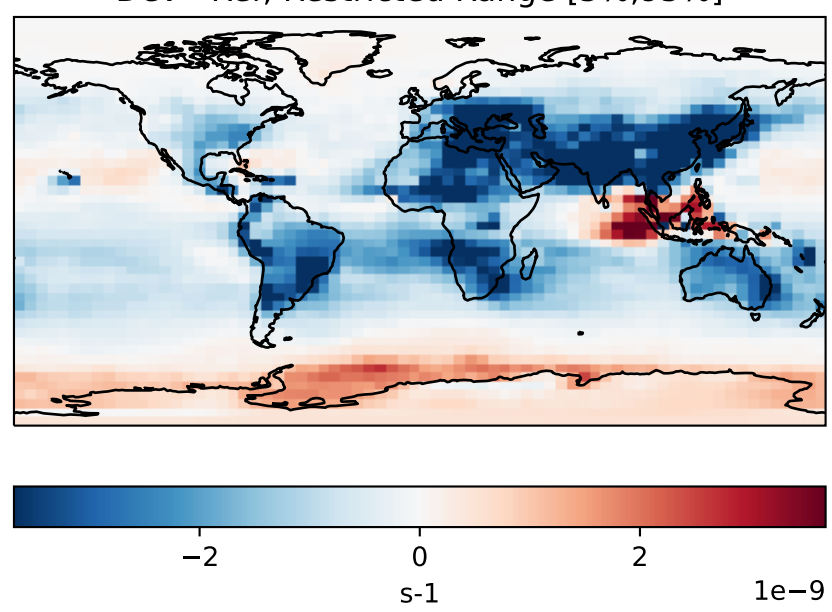
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



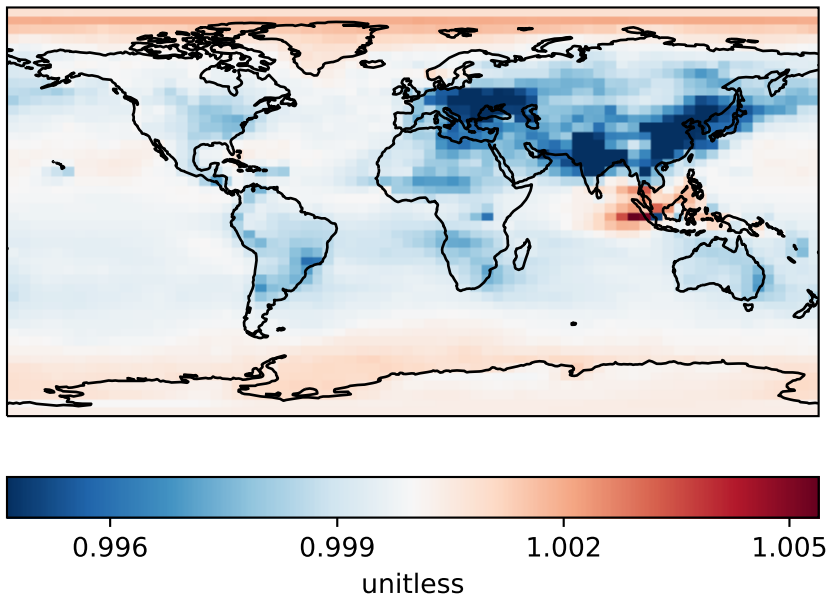
Difference
Dev - Ref, Dynamic Range



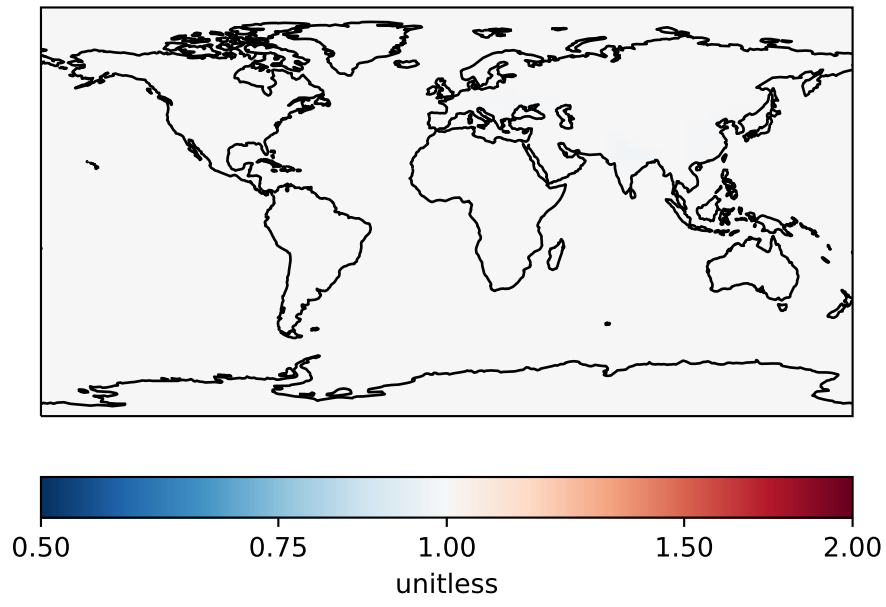
Difference
Dev - Ref, Restricted Range [5%,95%]



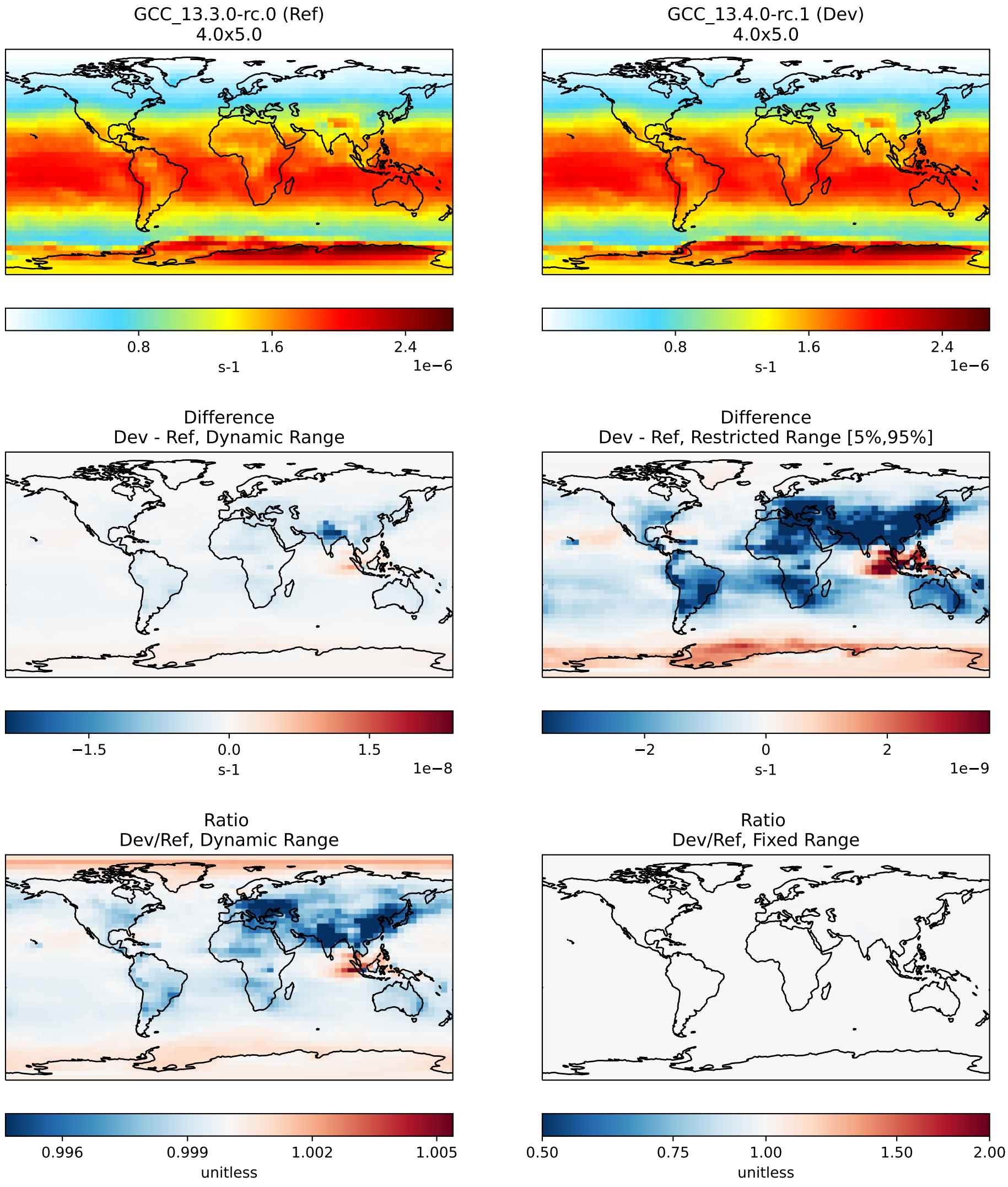
Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range

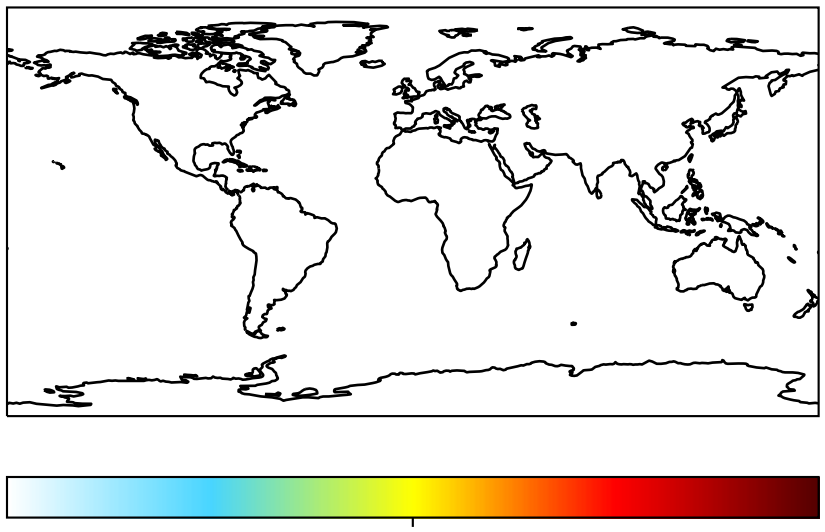


Jval_RP (Oct2019)

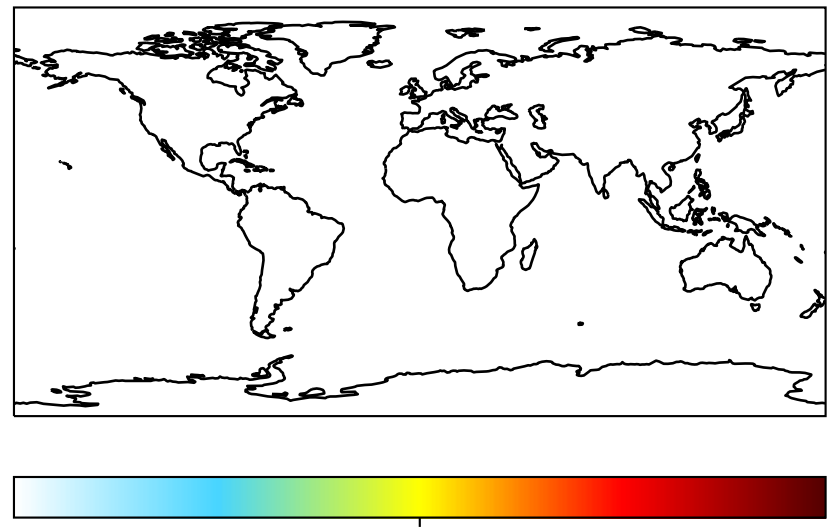


Jval_SO4 (Oct2019)

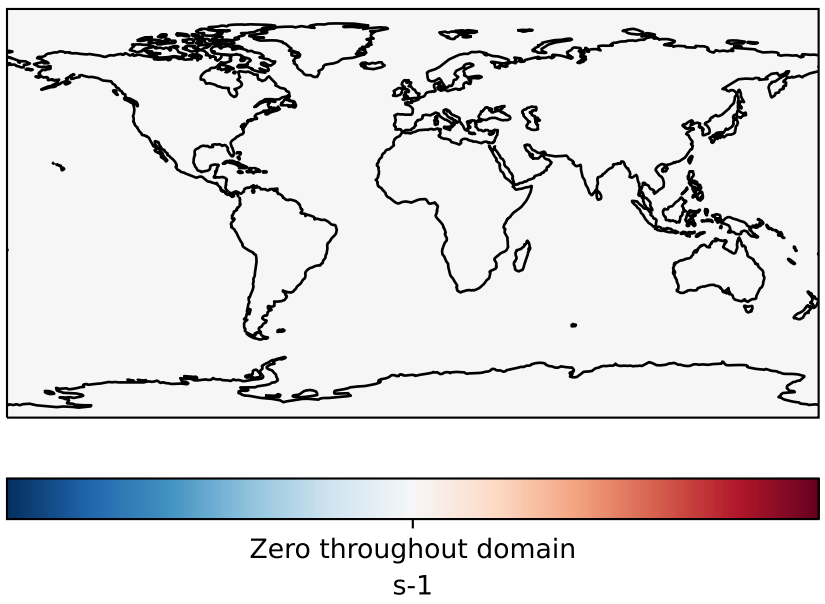
GCC_13.3.0-rc.0 (Ref)
4.0x5.0



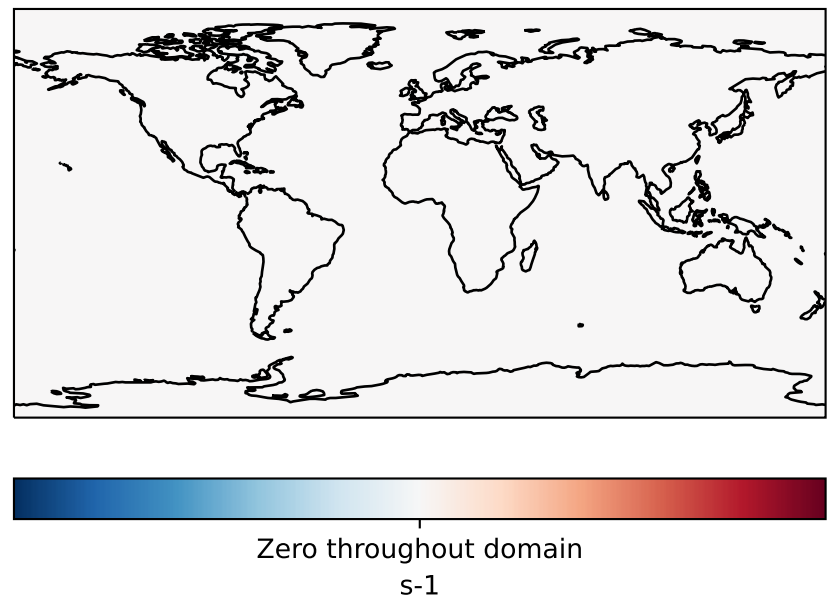
GCC_13.4.0-rc.1 (Dev)
4.0x5.0



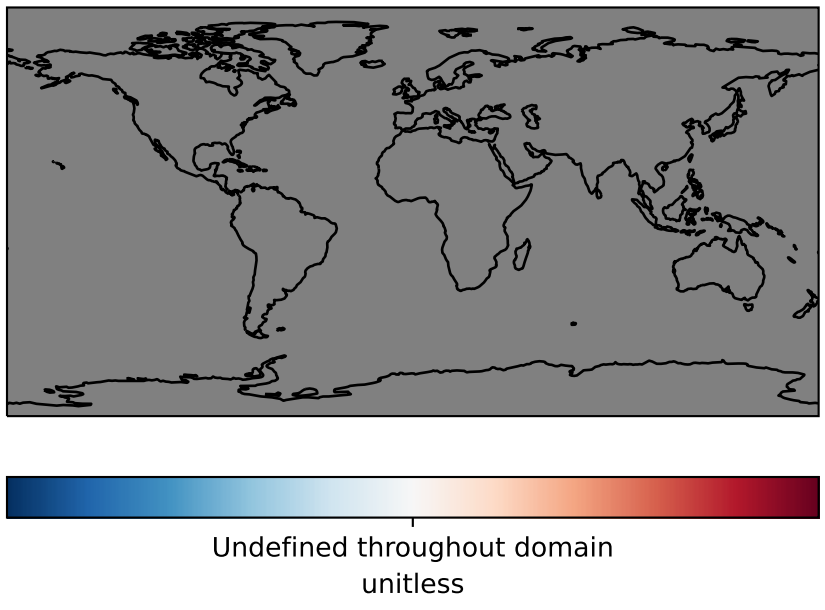
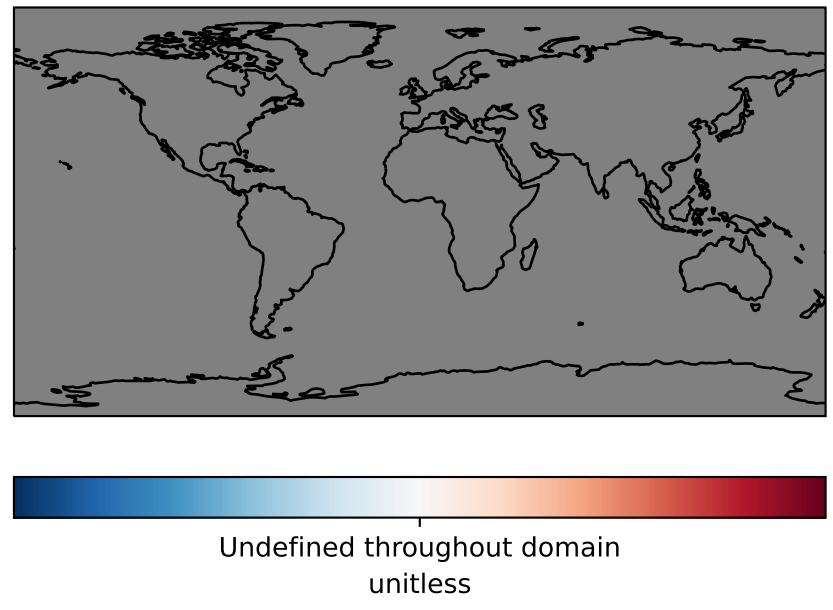
Difference
Dev - Ref, Dynamic Range



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



Ratio
Dev/Ref, Dynamic Range



Ratio
Dev/Ref, Fixed Range