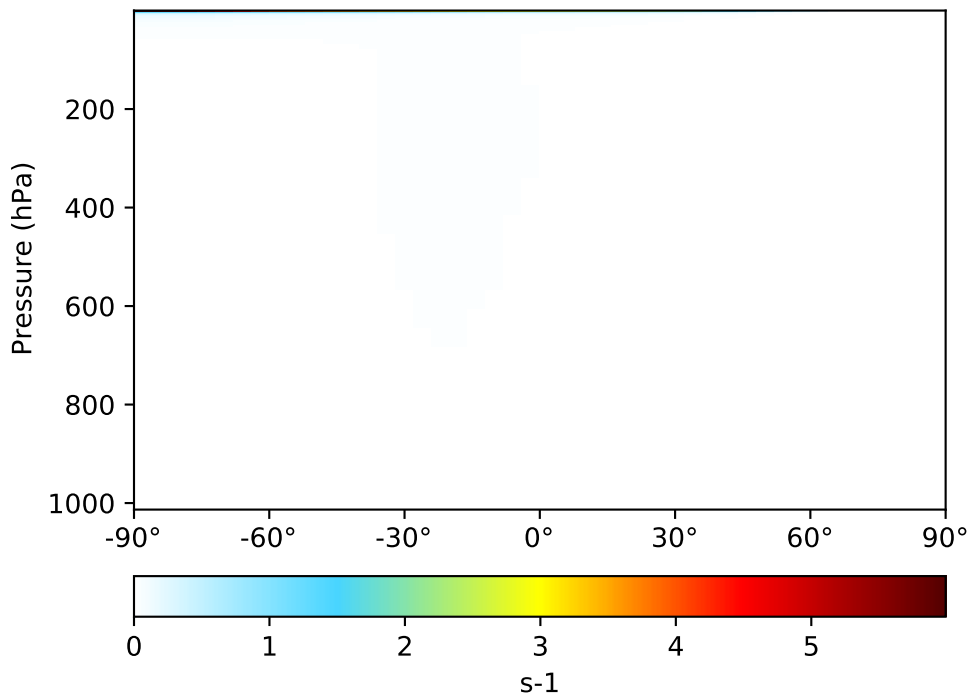
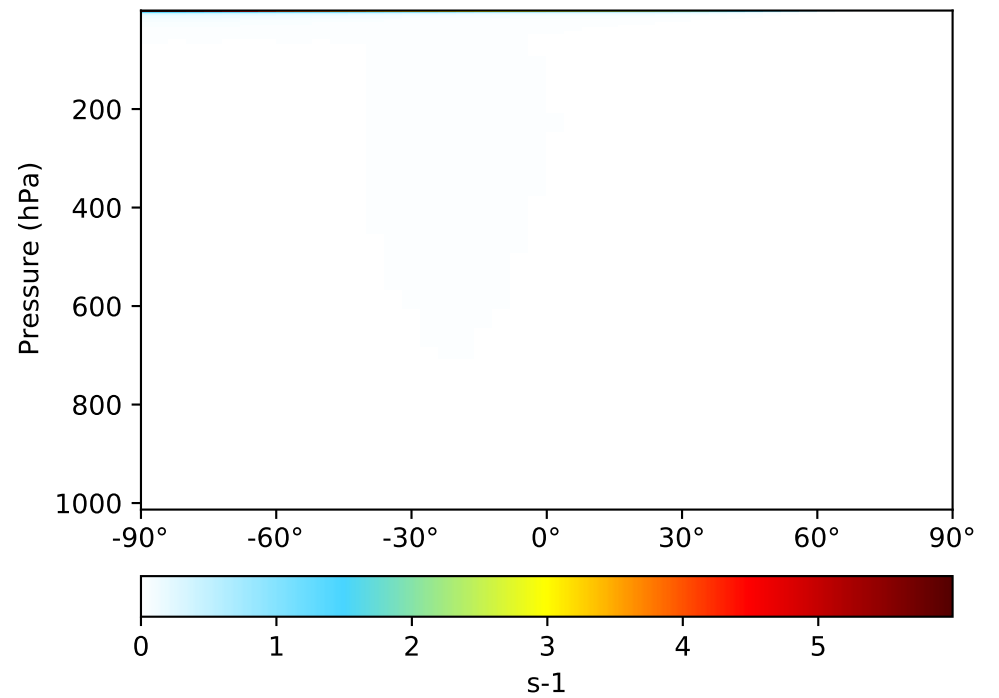


# JvalO3O1D, Zonal Mean (Jan2019)

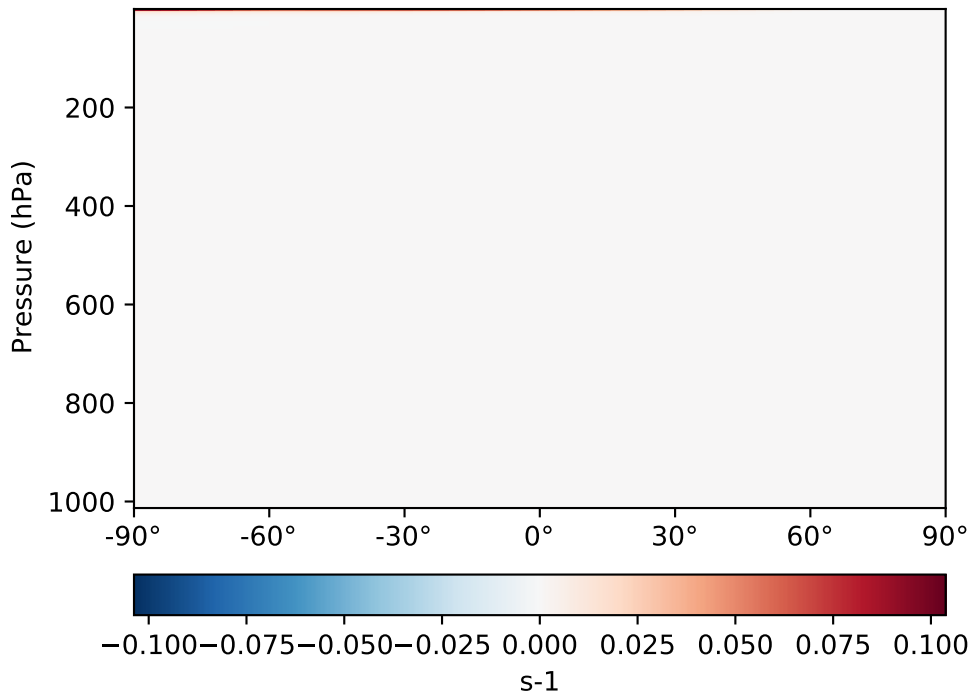
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



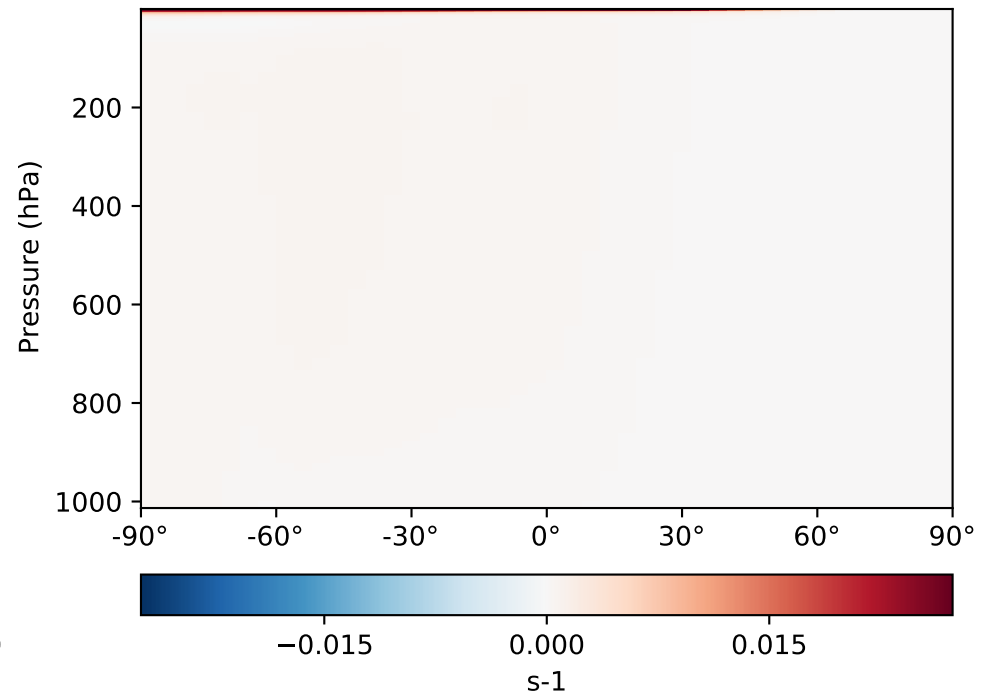
GCC\_13.0.0 (Dev)  
4.0x5.0



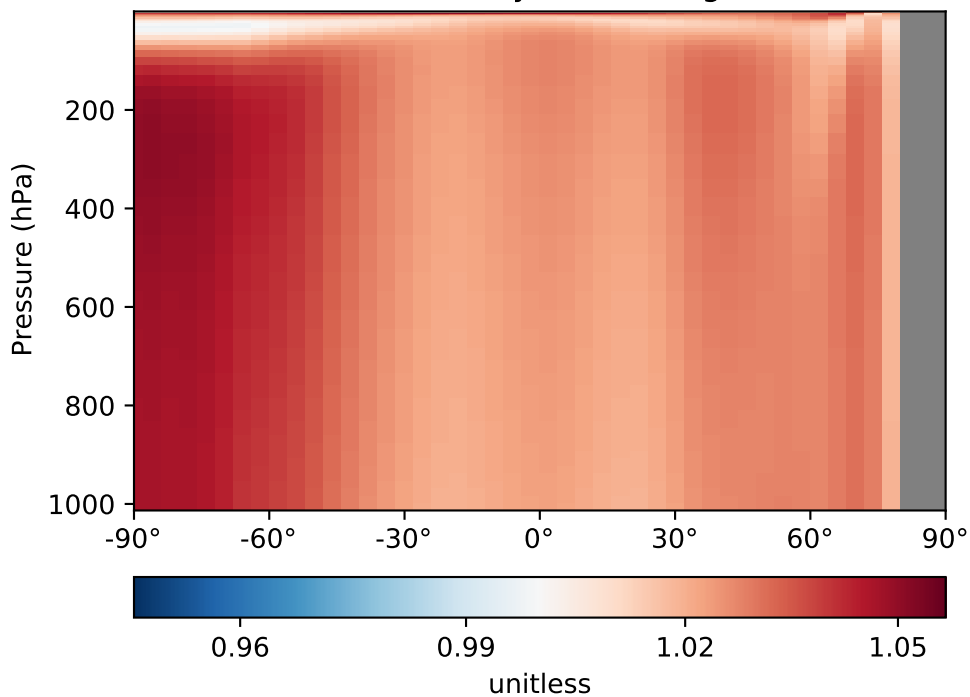
Difference  
Dev - Ref, Dynamic Range



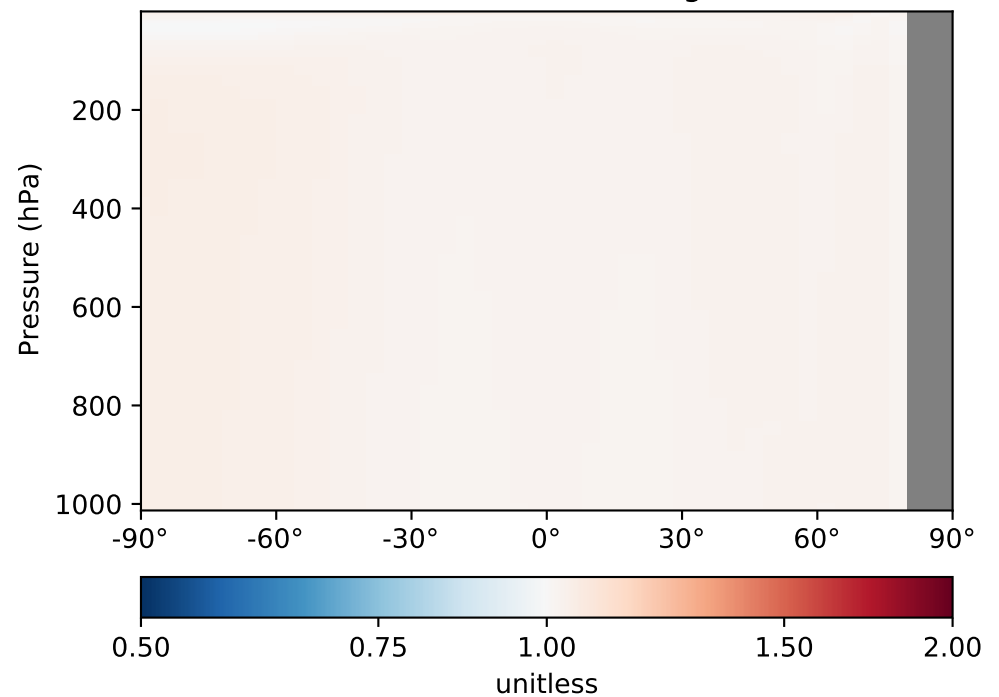
Difference  
Dev - Ref, Restricted Range [5%,95%]



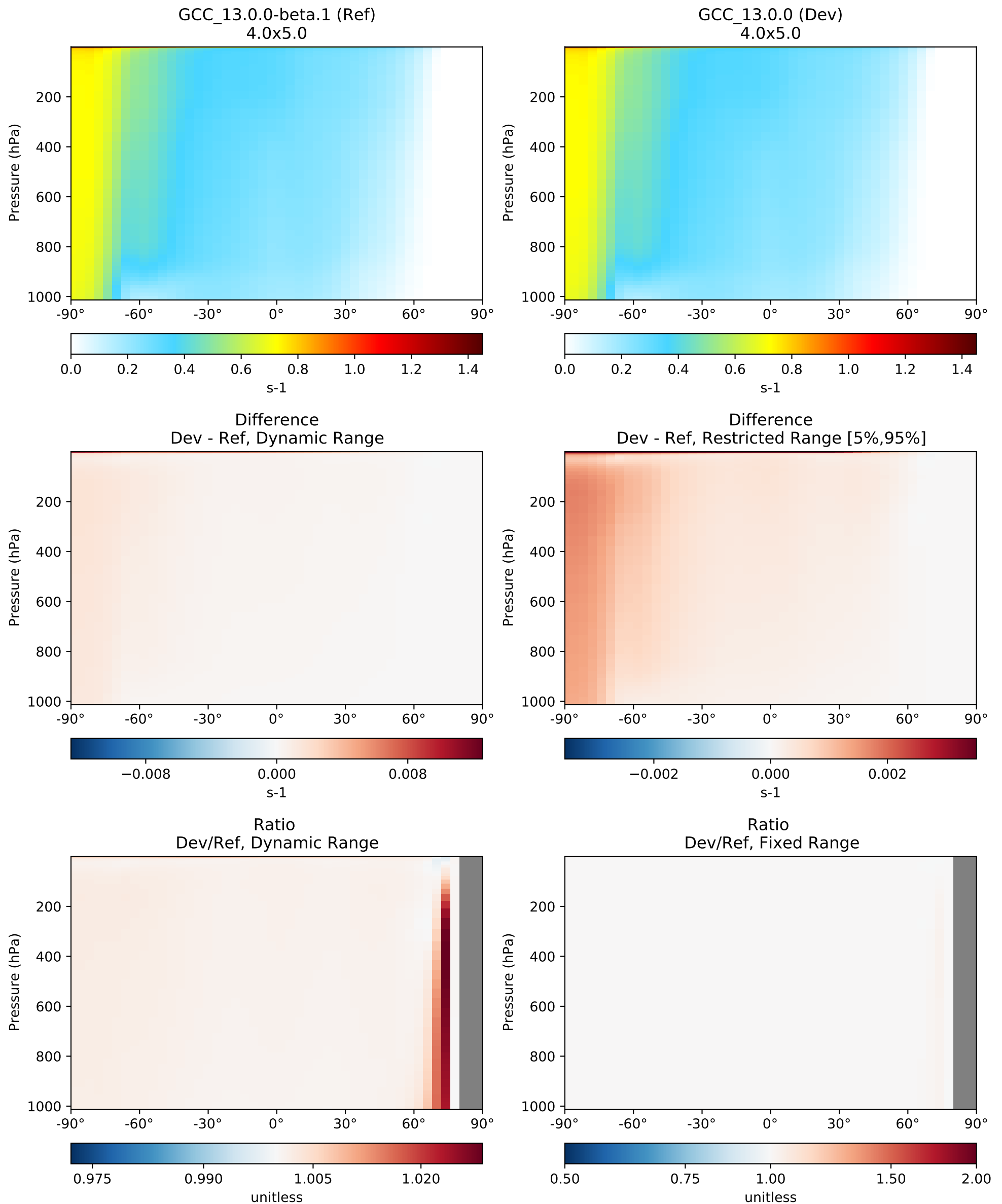
Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range



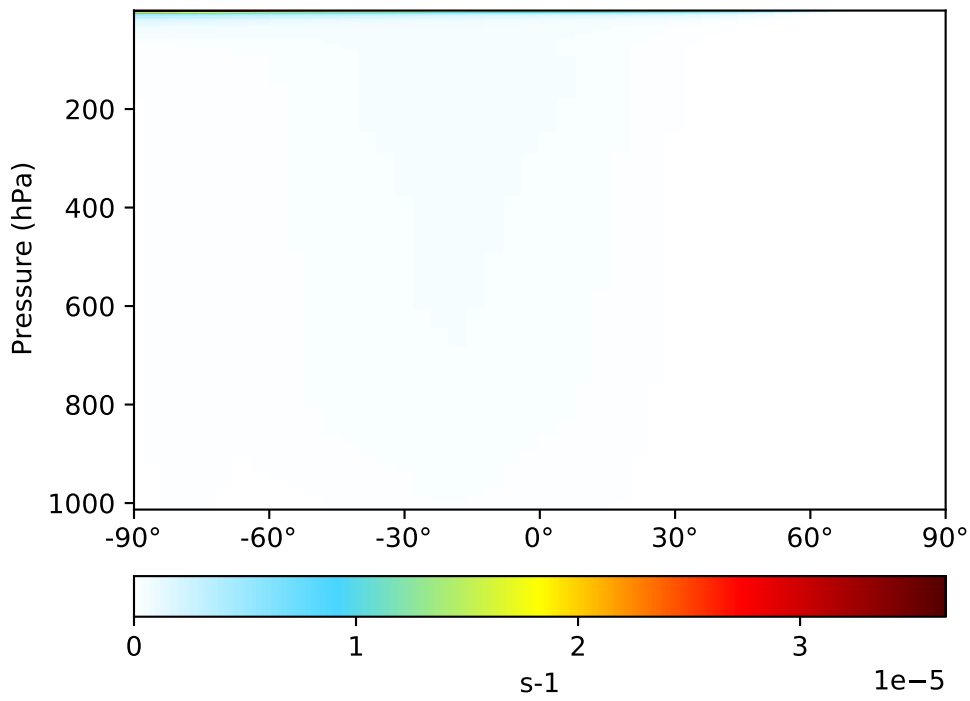
# Jval0303P, Zonal Mean (Jan2019)



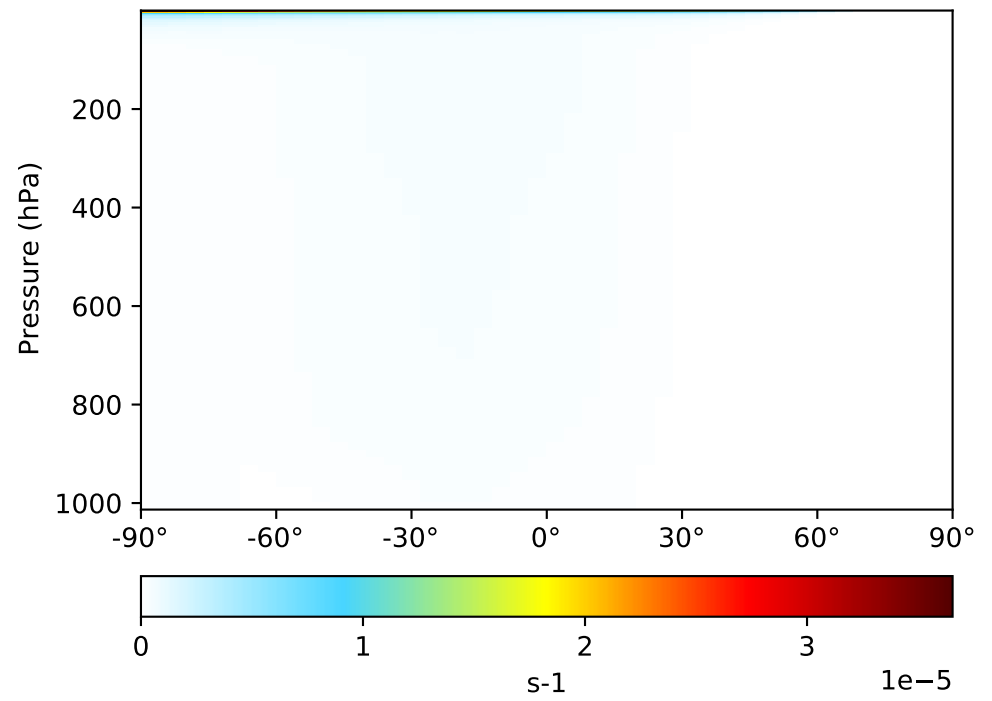


# Jval\_ACET, Zonal Mean (Jan2019)

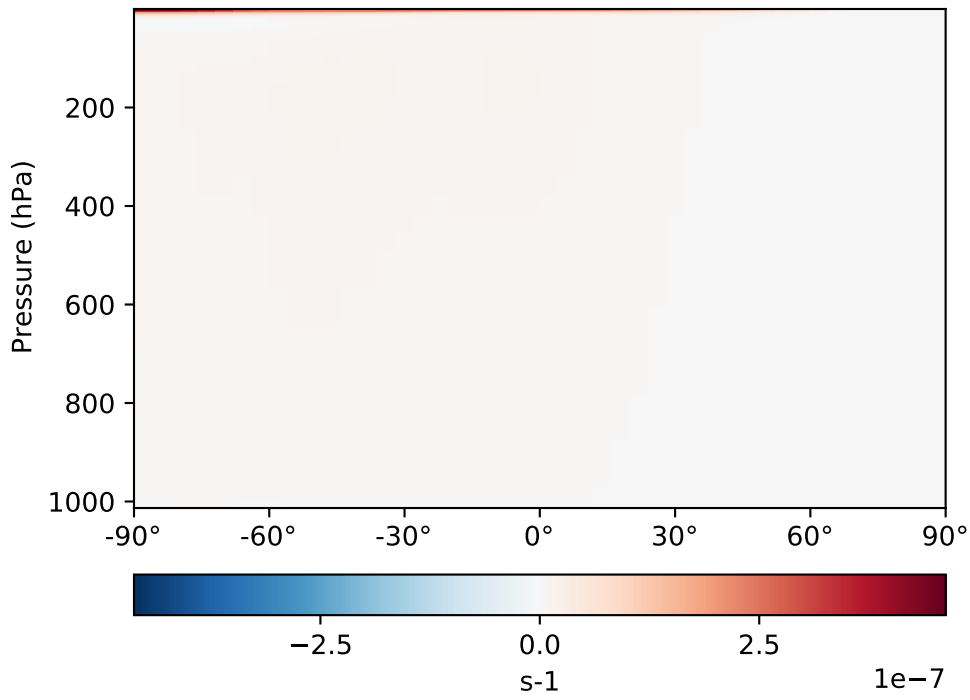
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



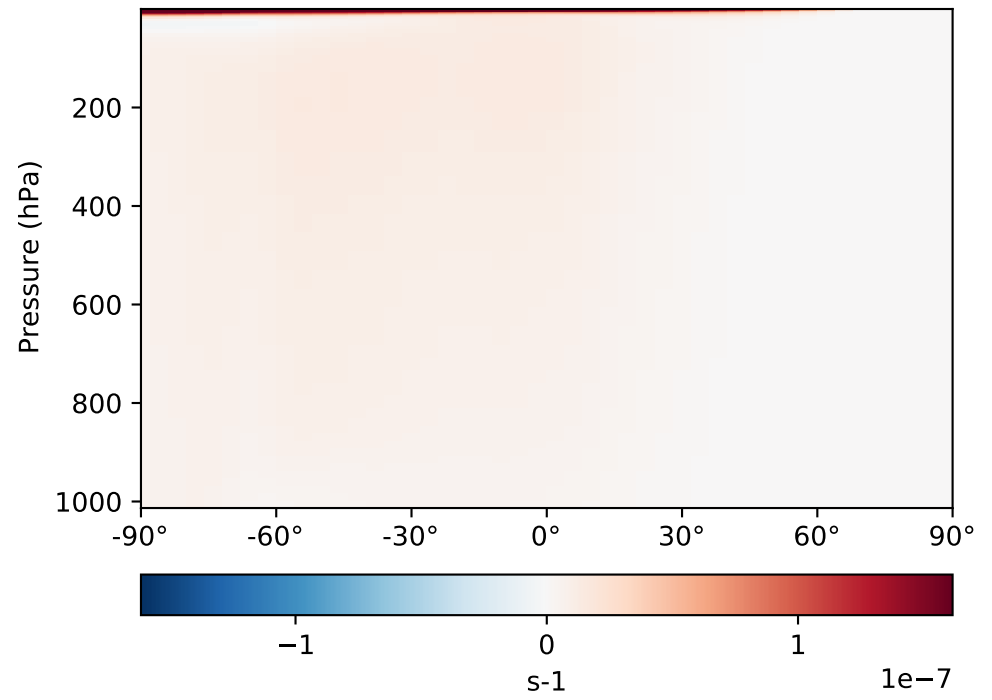
GCC\_13.0.0 (Dev)  
4.0x5.0



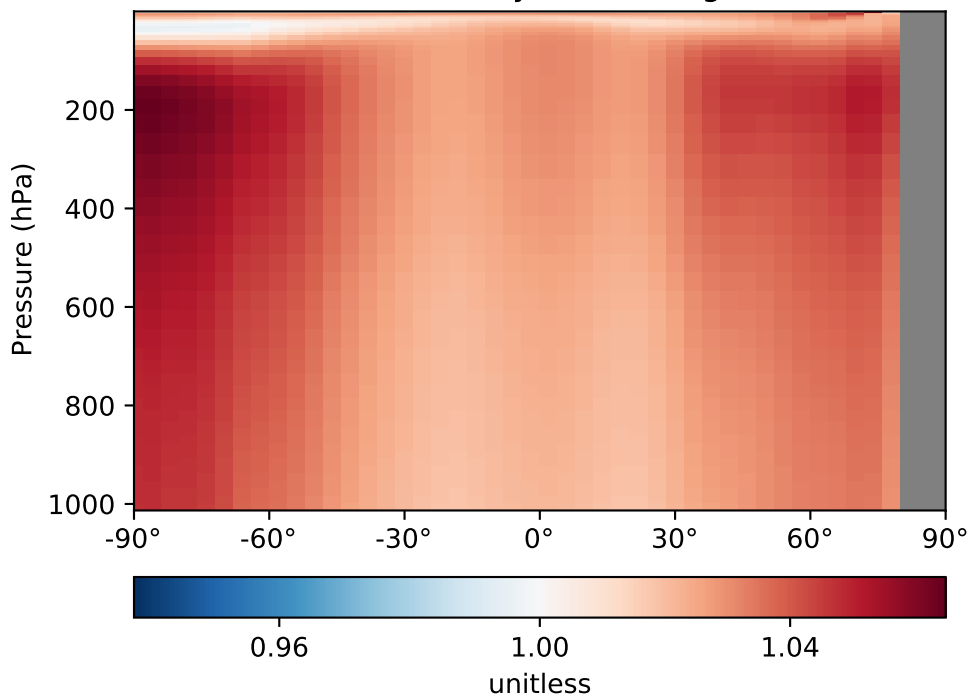
Difference  
Dev - Ref, Dynamic Range



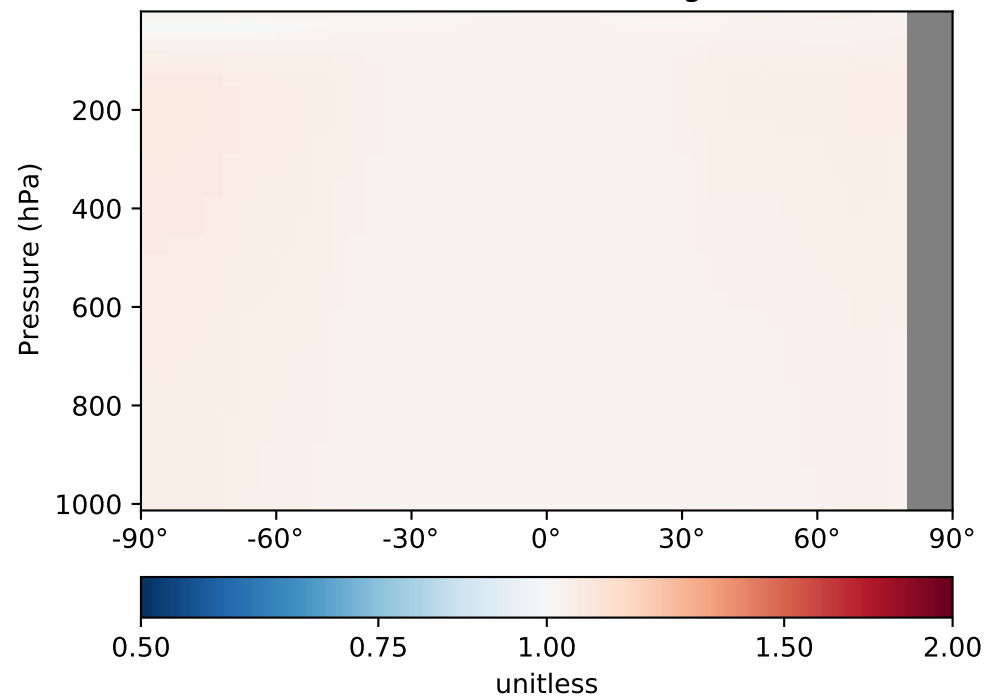
Difference  
Dev - Ref, Restricted Range [5%,95%]



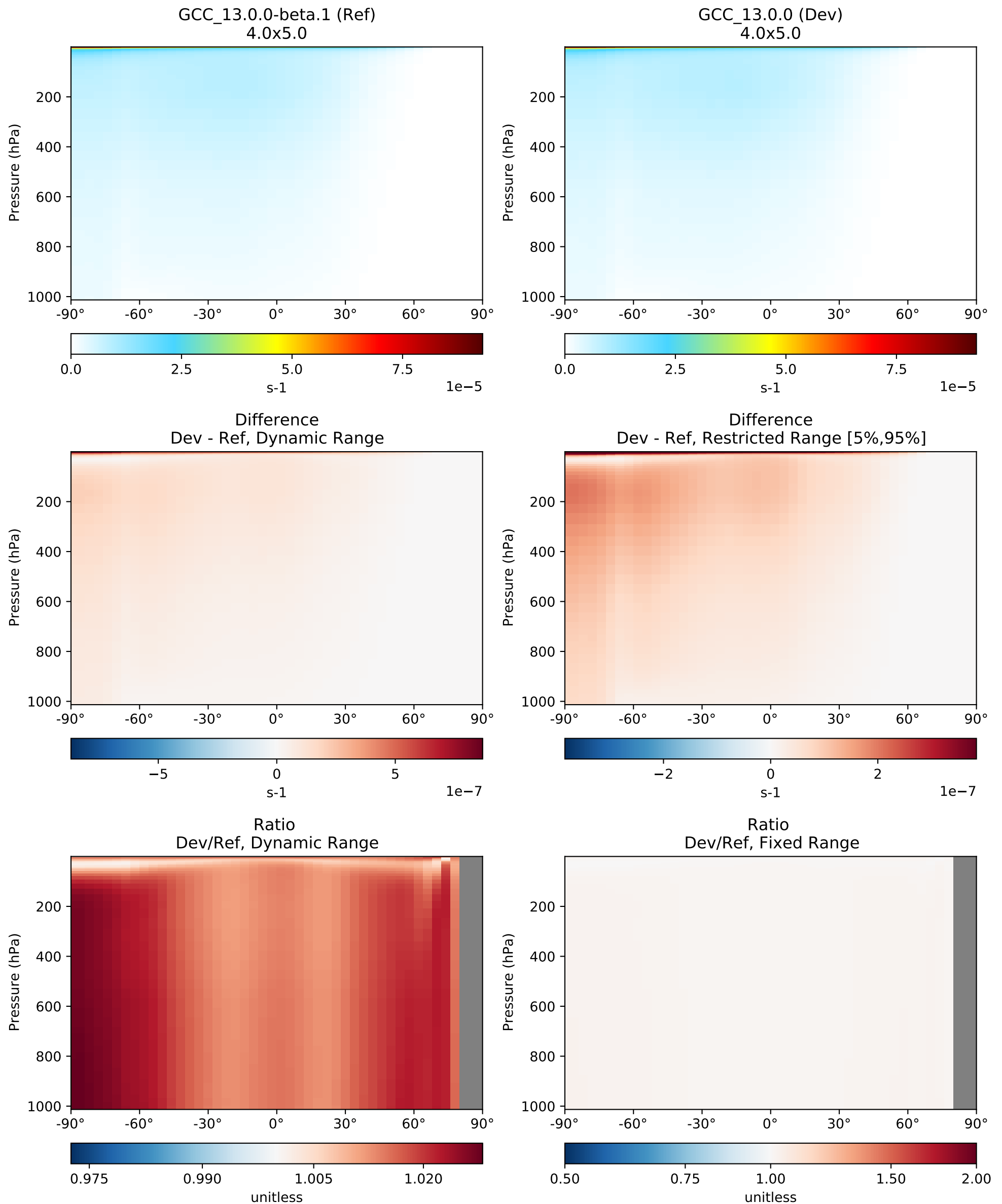
Ratio  
Dev/Ref, Dynamic Range



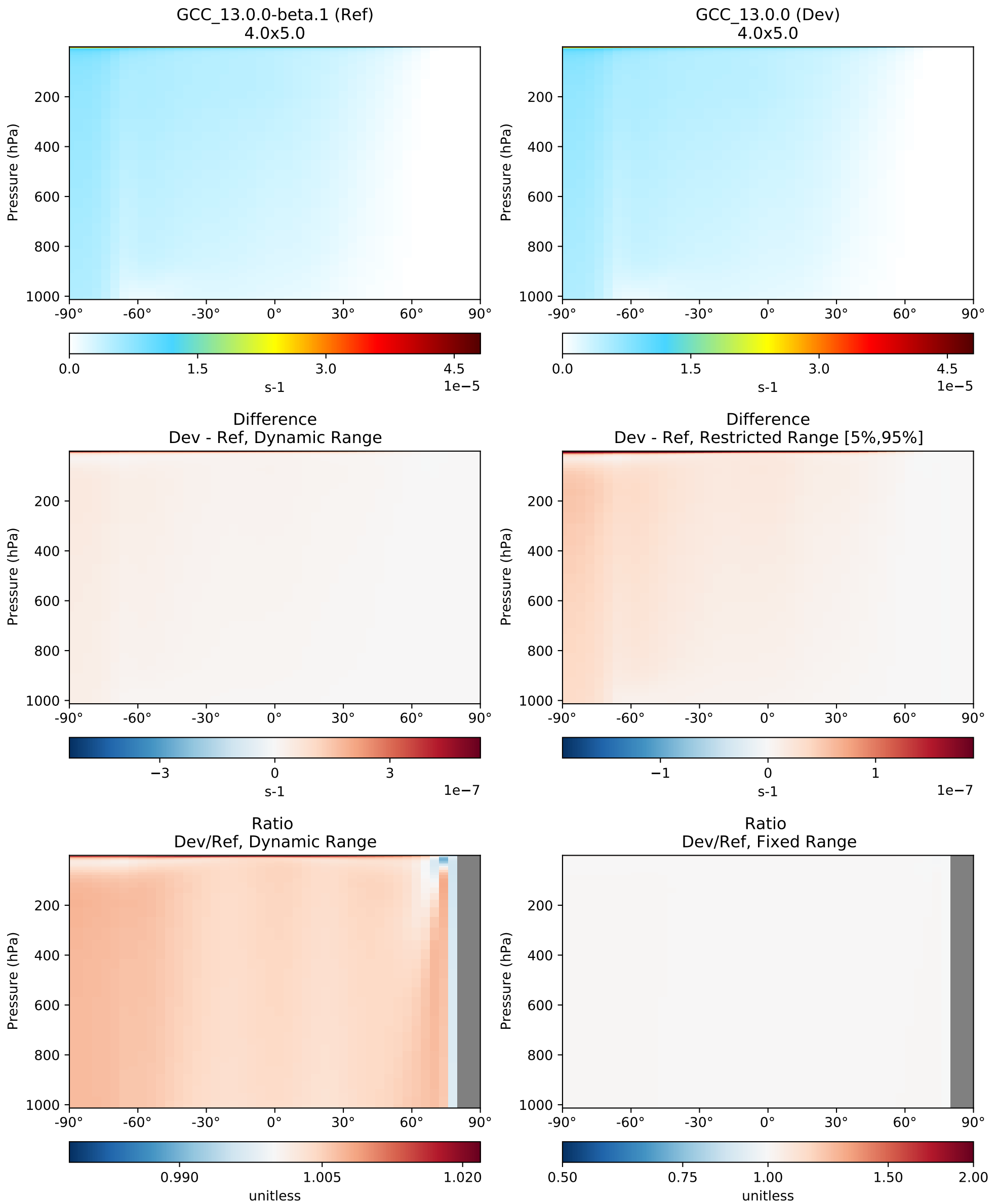
Ratio  
Dev/Ref, Fixed Range



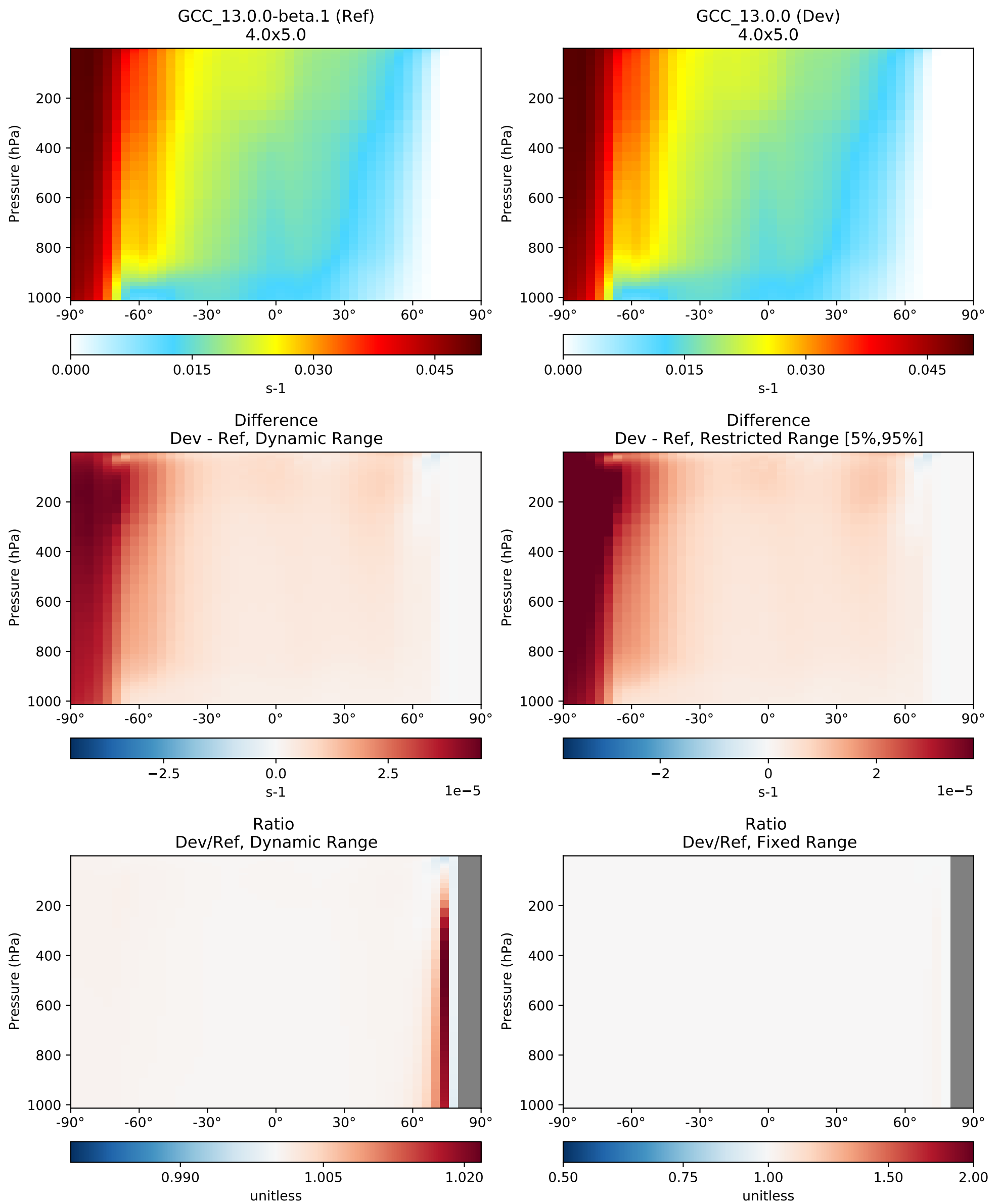
# Jval\_ALD2, Zonal Mean (Jan2019)



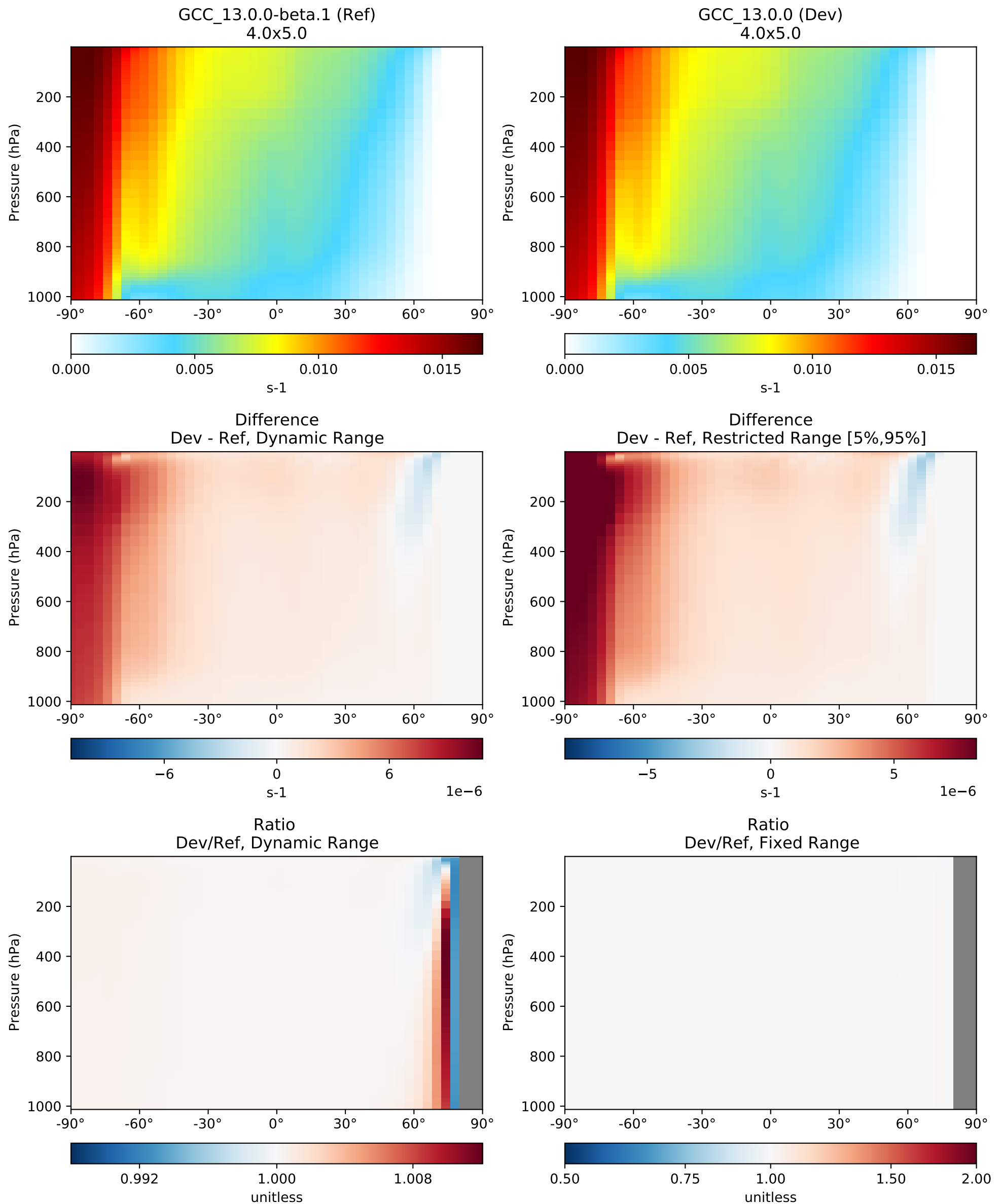
# Jval\_ATOOH, Zonal Mean (Jan2019)



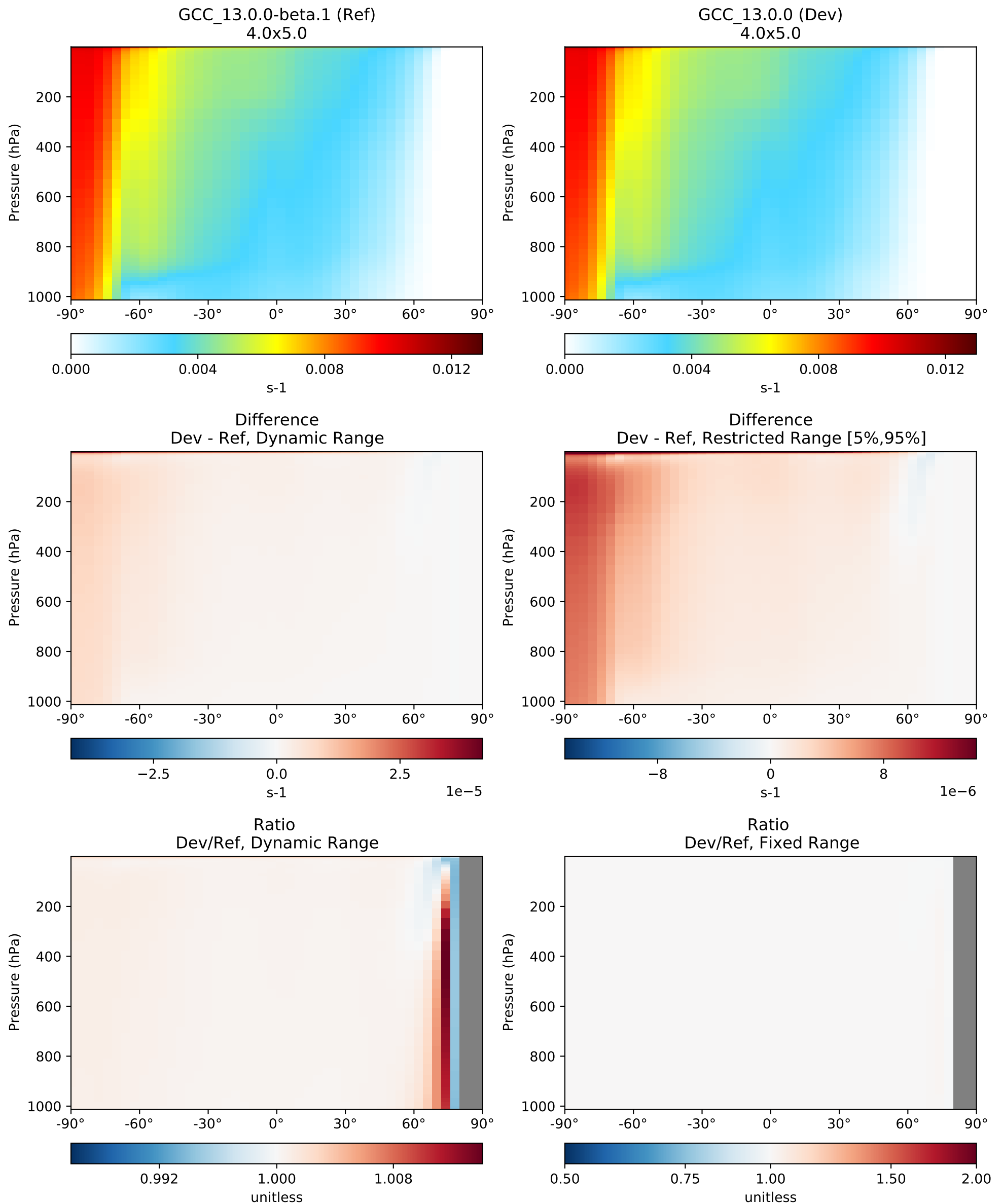
# Jval\_Br2, Zonal Mean (Jan2019)



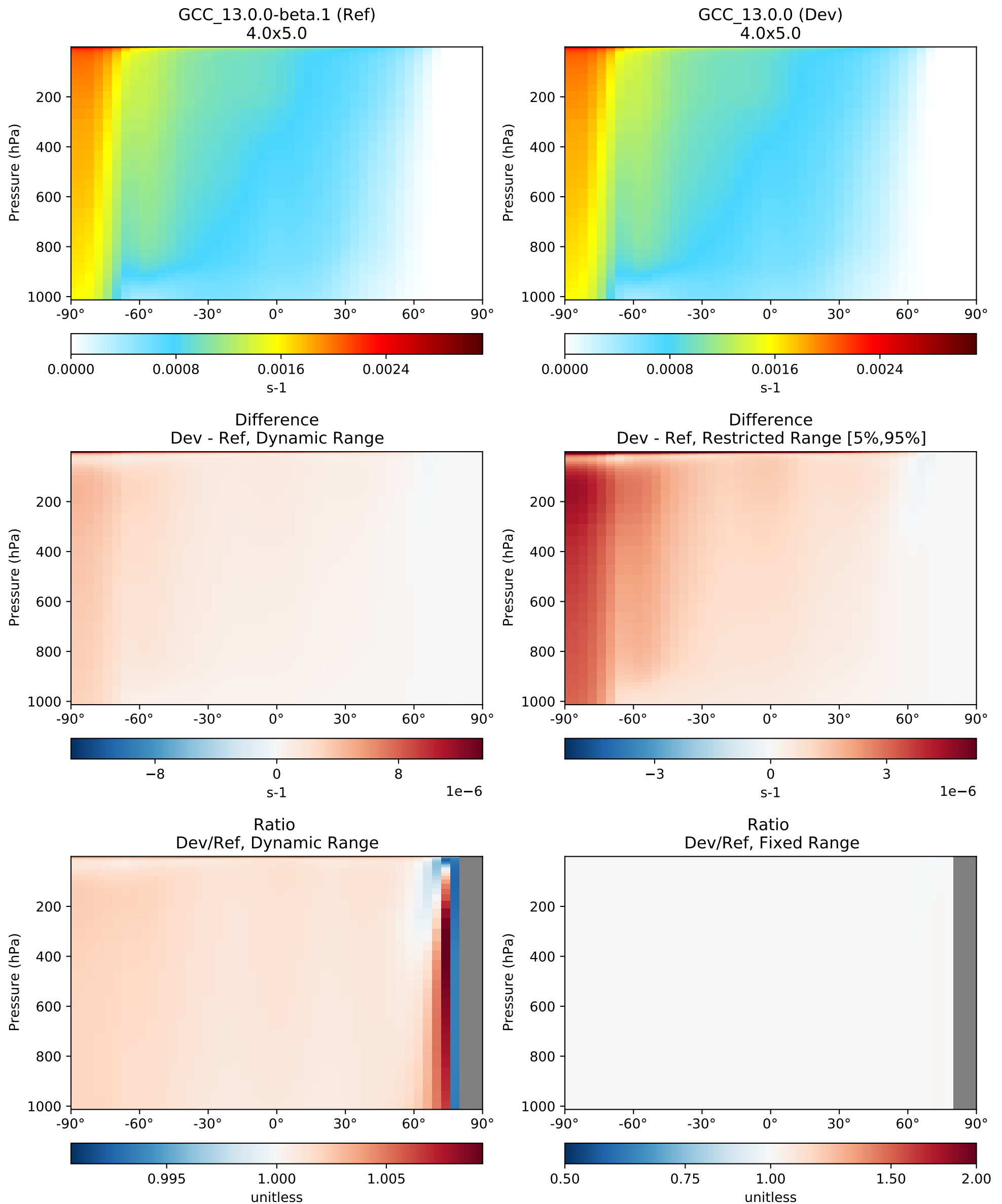
# Jval\_BrCl, Zonal Mean (Jan2019)



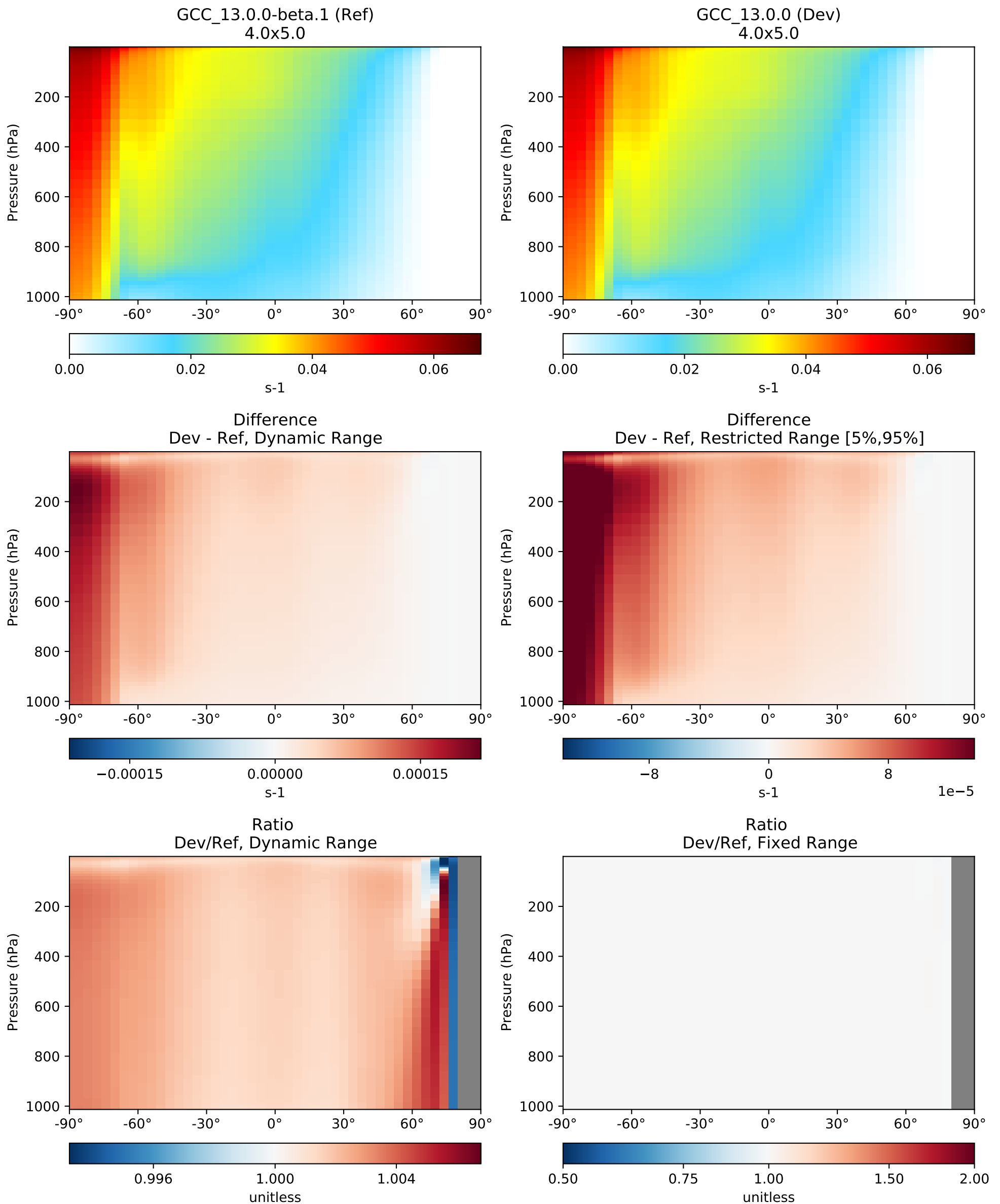
# Jval\_BrNO2, Zonal Mean (Jan2019)



# Jval\_BrNO3, Zonal Mean (Jan2019)

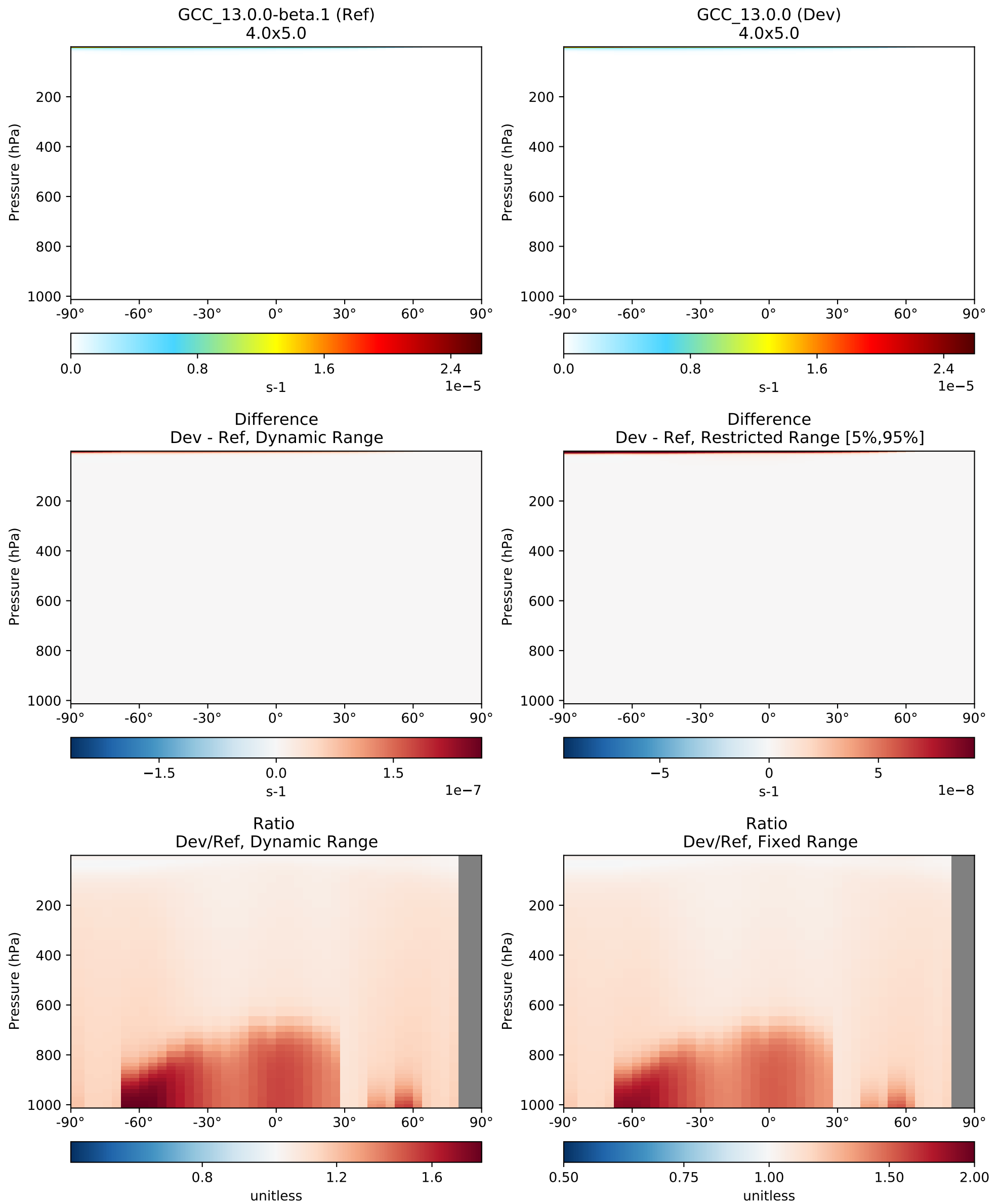


# Jval\_BrO, Zonal Mean (Jan2019)

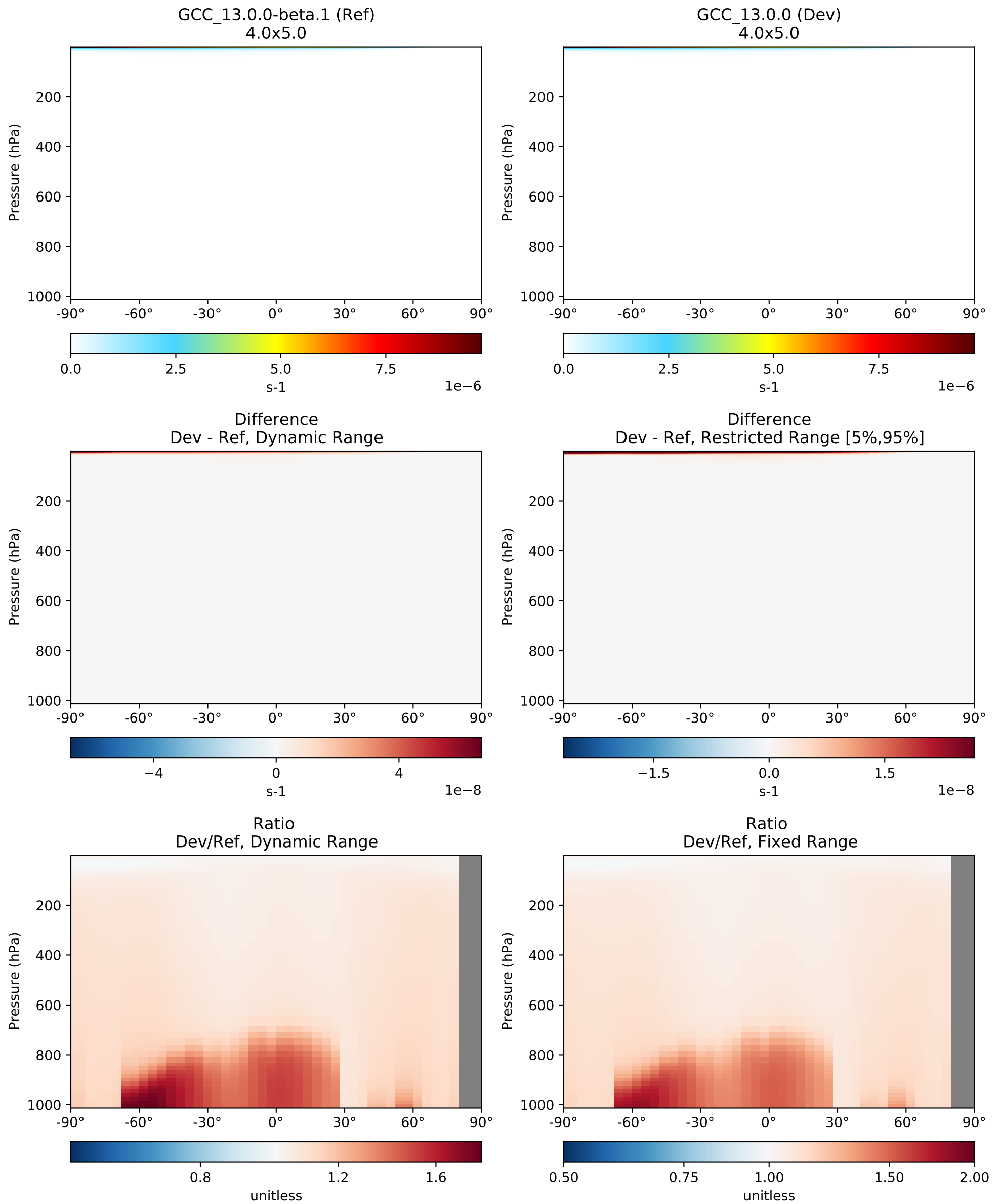




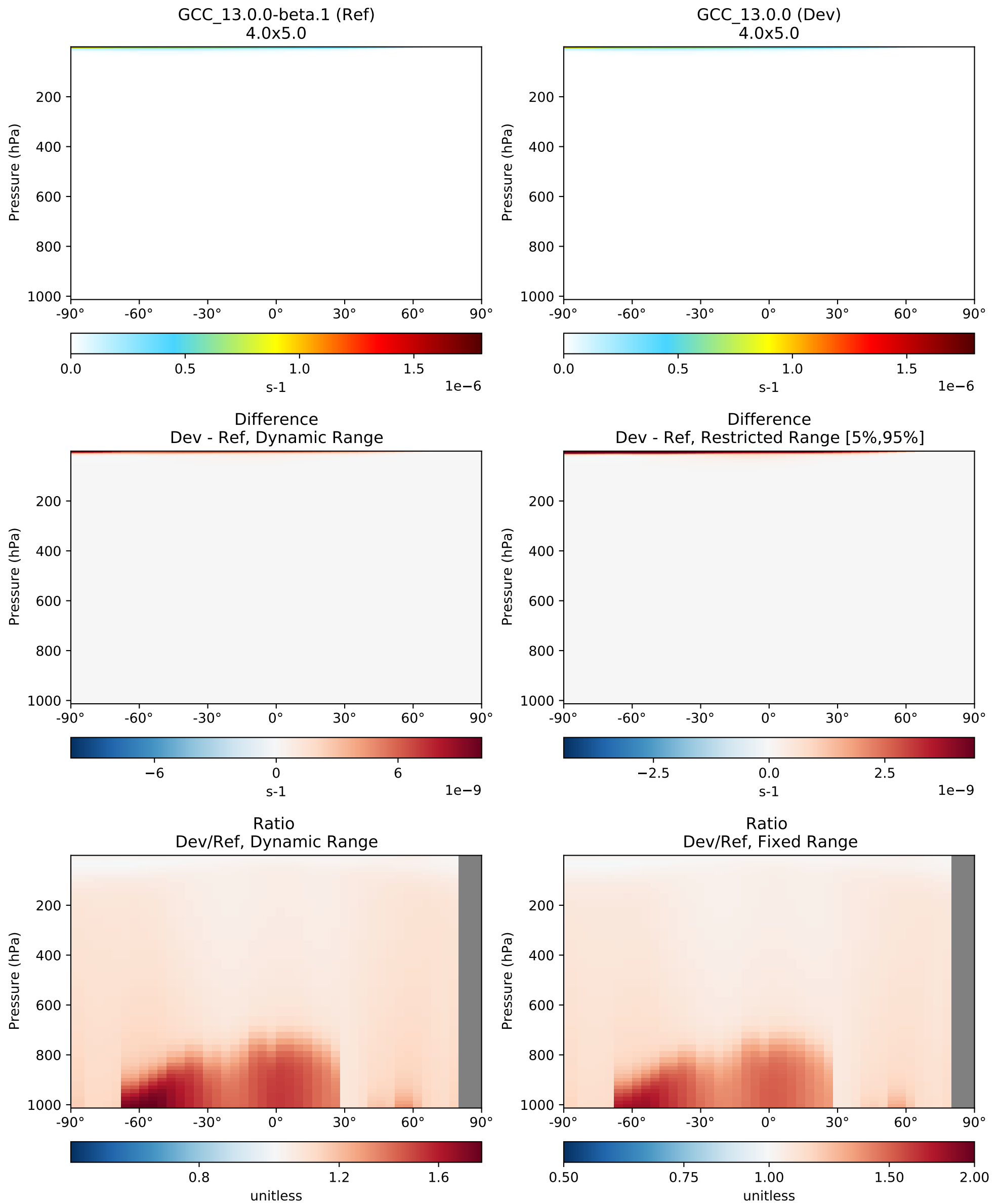
# Jval\_CCl4, Zonal Mean (Jan2019)



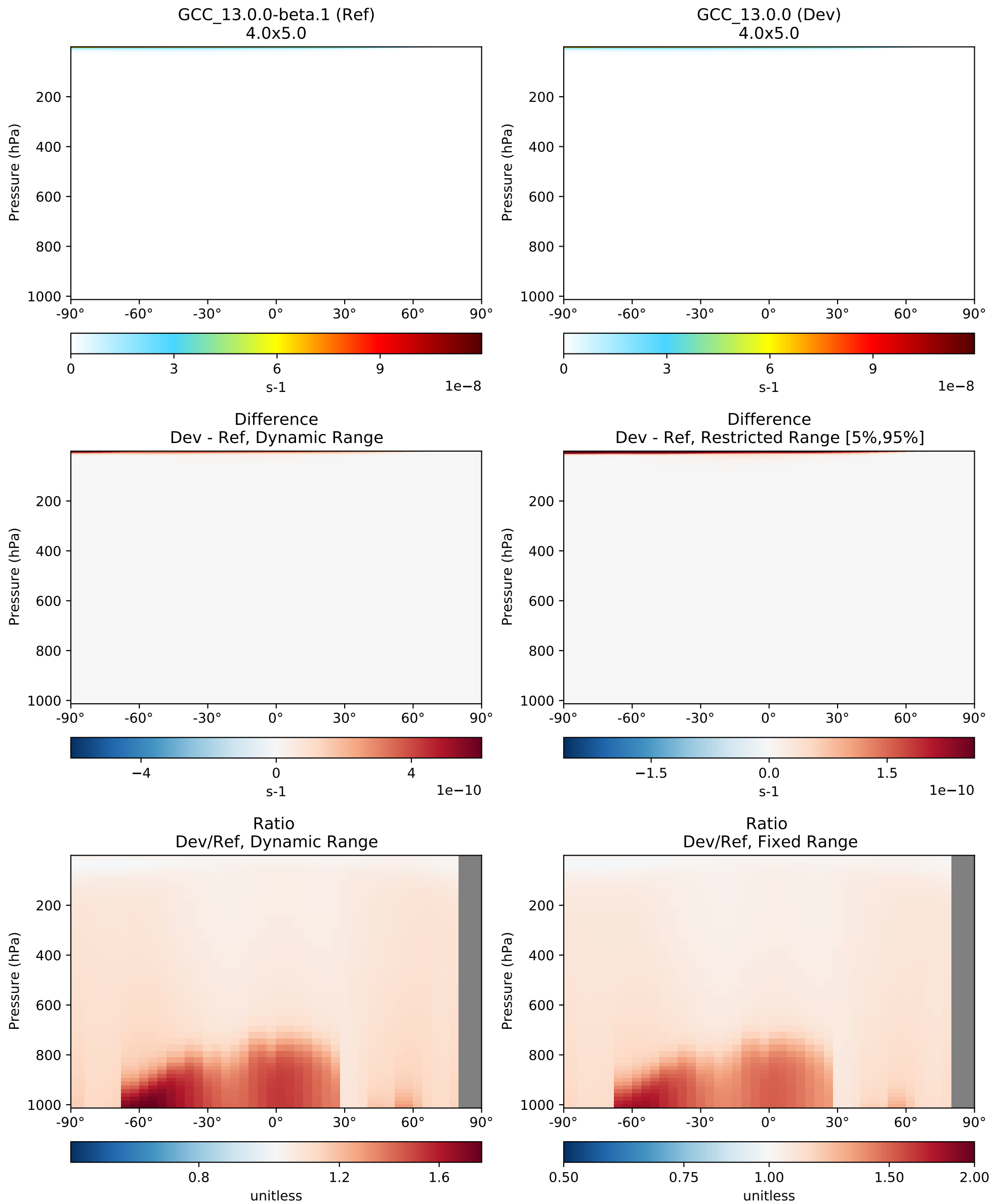
# Jval\_CFC11, Zonal Mean (Jan2019)



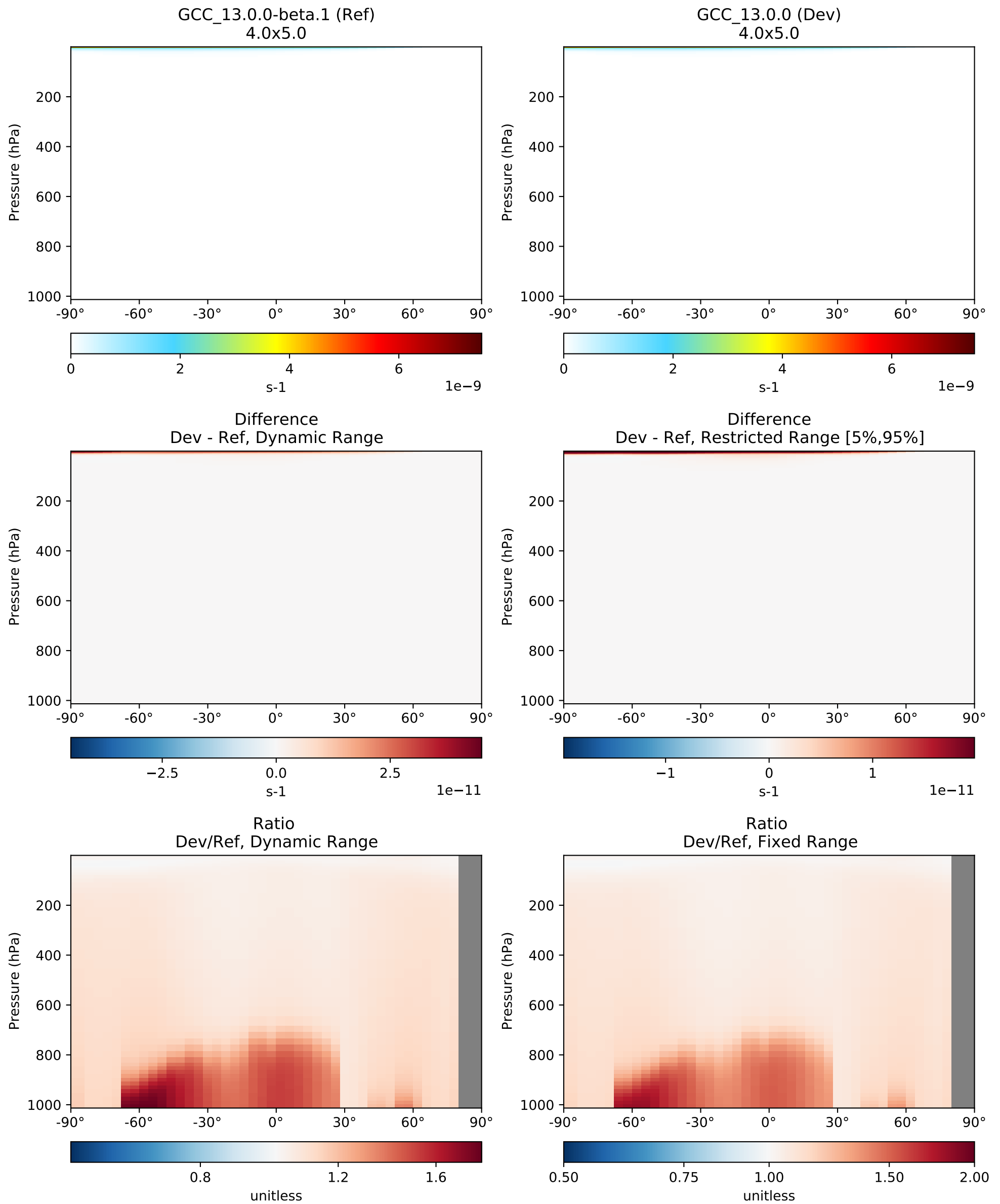
# Jval\_CFC113, Zonal Mean (Jan2019)



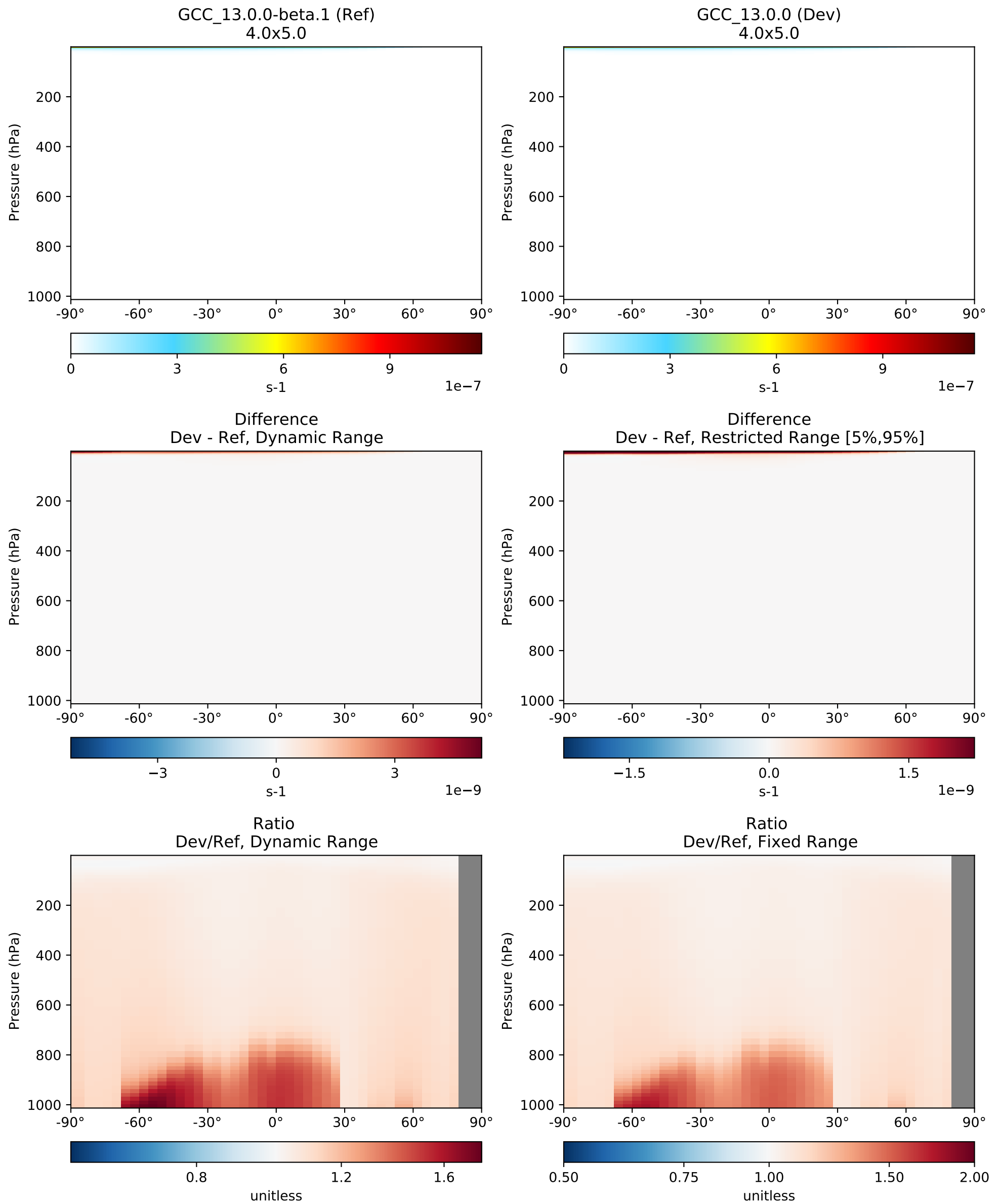
# Jval\_CFC114, Zonal Mean (Jan2019)



# Jval\_CFC115, Zonal Mean (Jan2019)

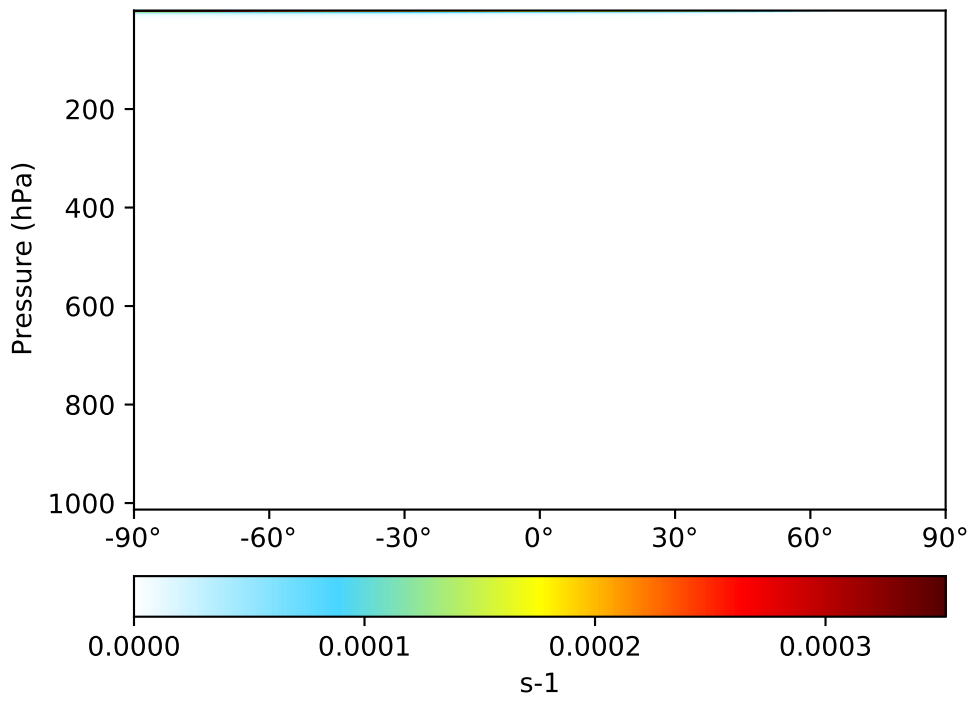


# Jval\_CFC12, Zonal Mean (Jan2019)

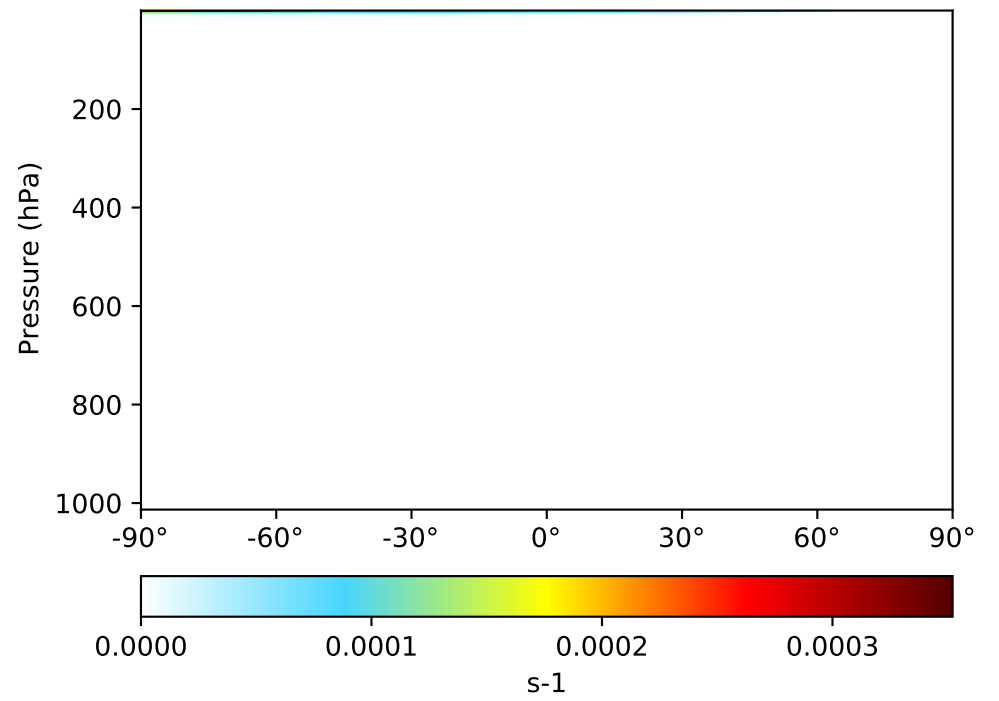


# Jval\_CH2Br2, Zonal Mean (Jan2019)

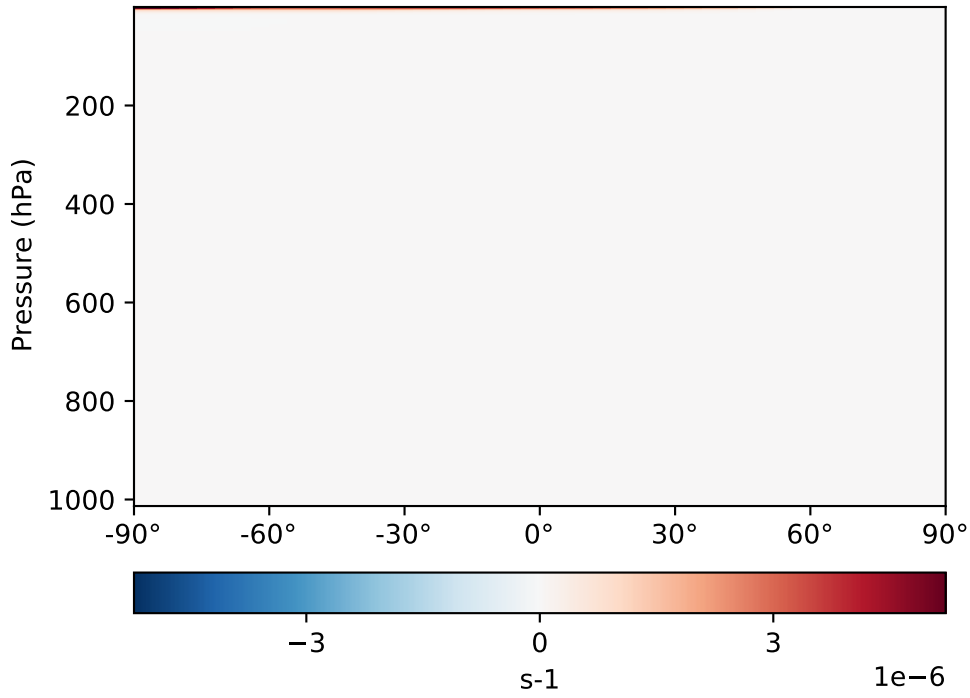
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



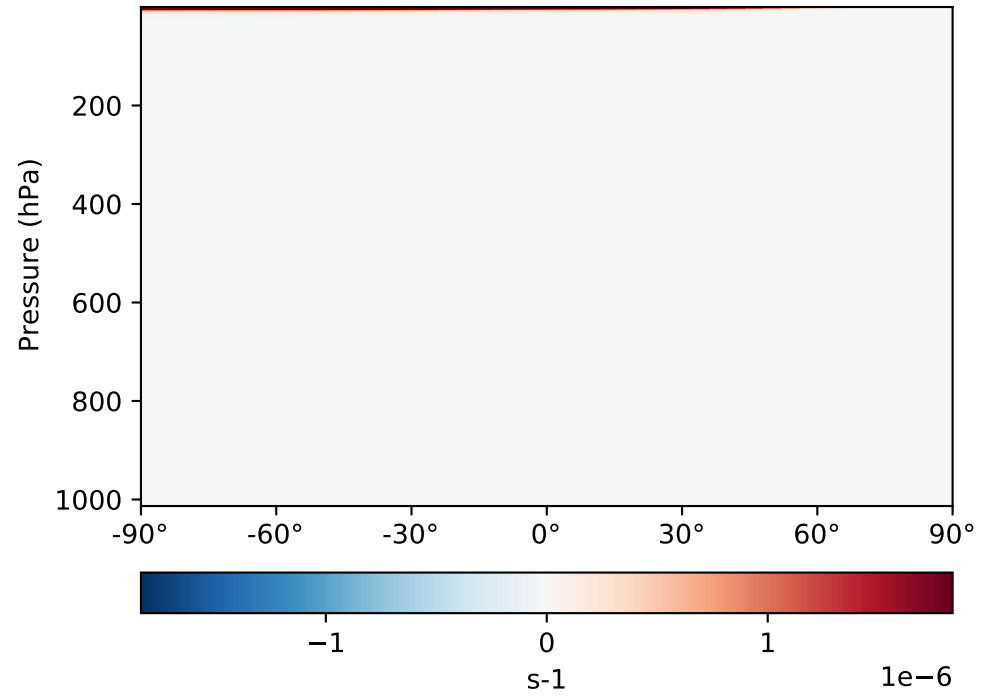
GCC\_13.0.0 (Dev)  
4.0x5.0



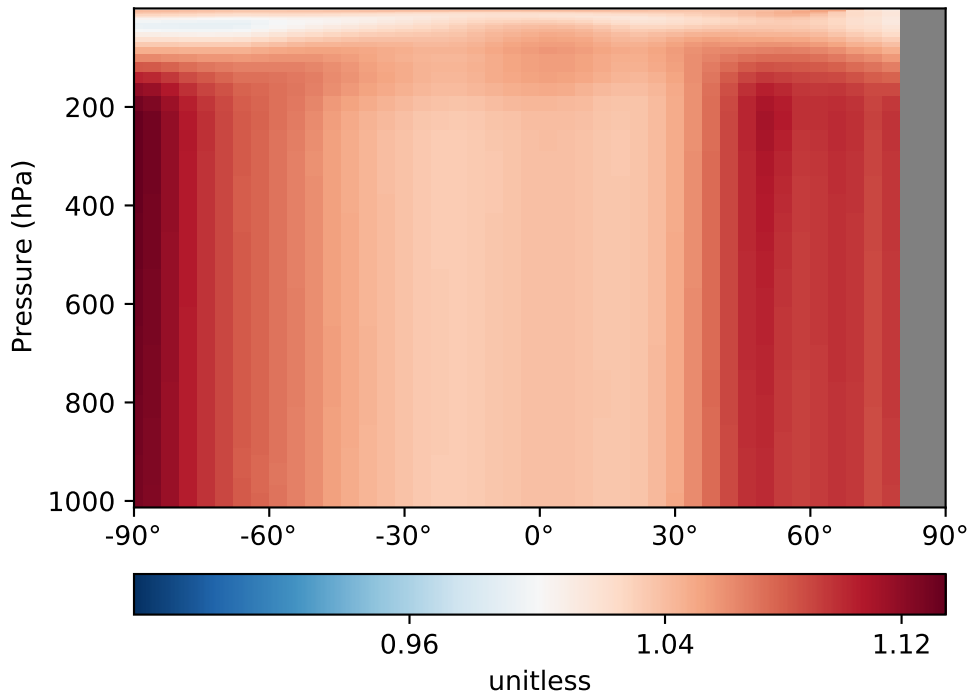
Difference  
Dev - Ref, Dynamic Range



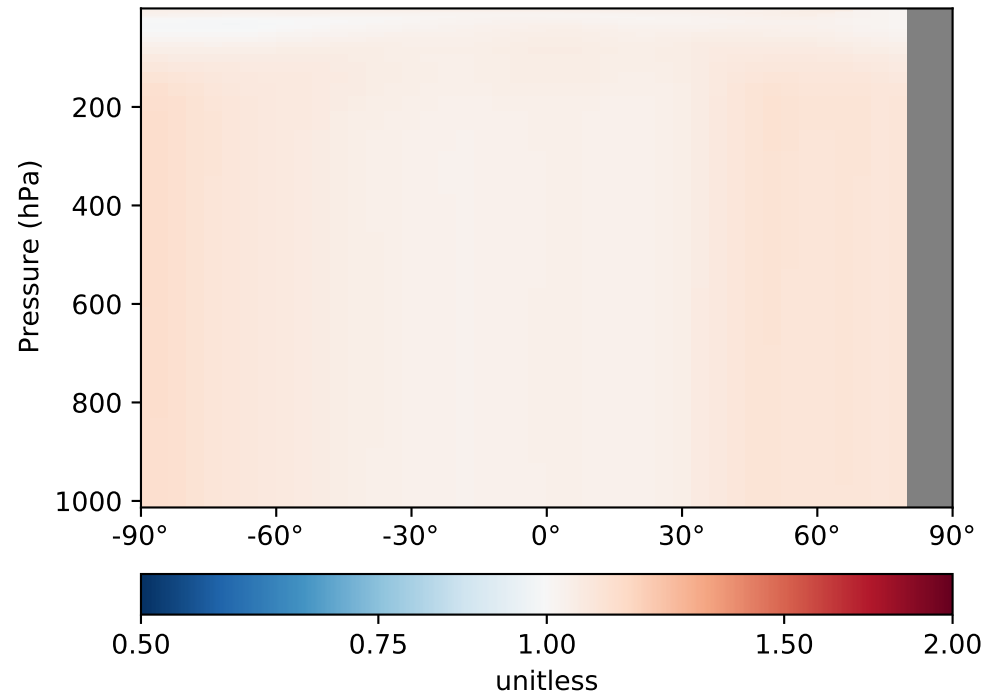
Difference  
Dev - Ref, Restricted Range [5%,95%]



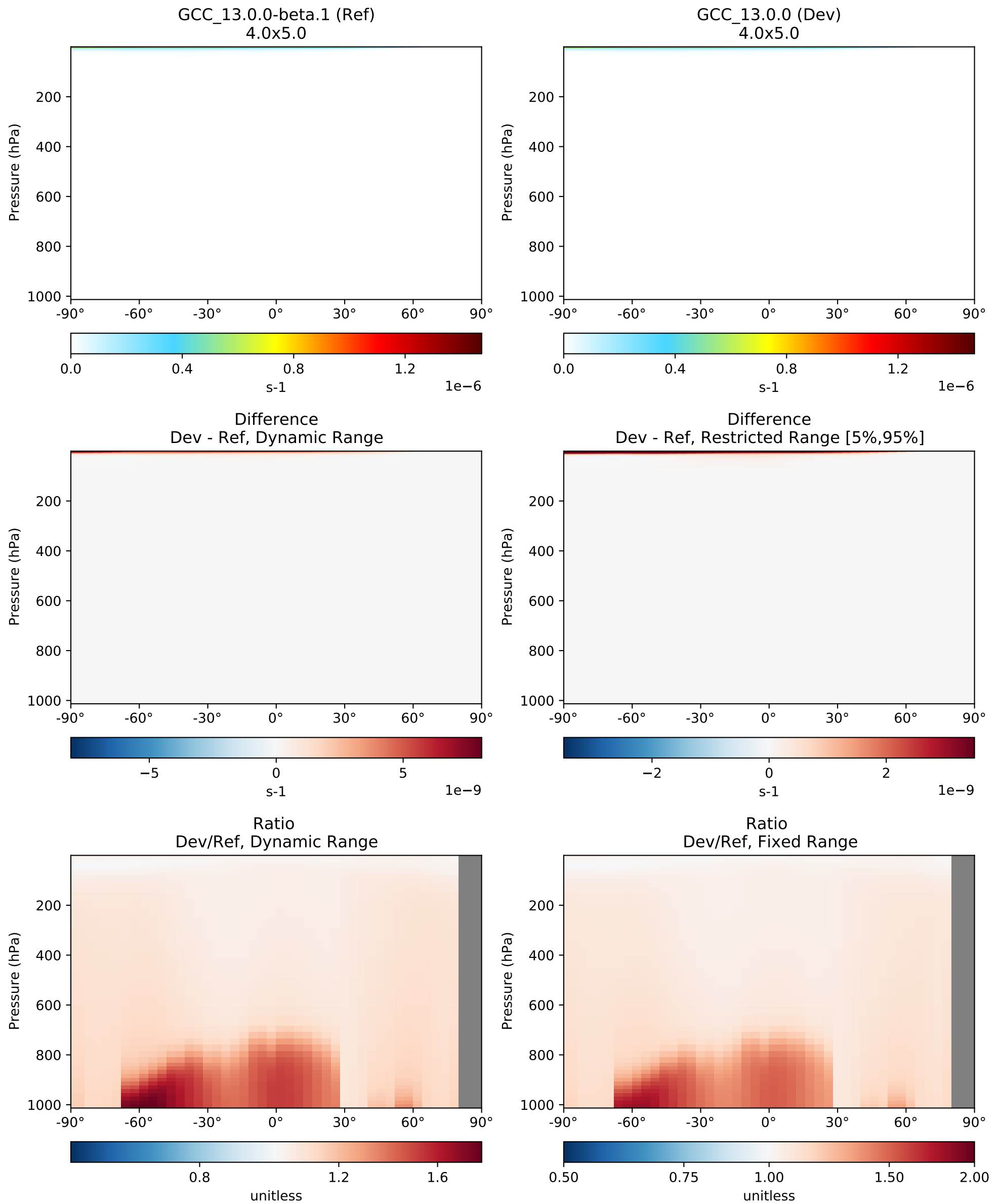
Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

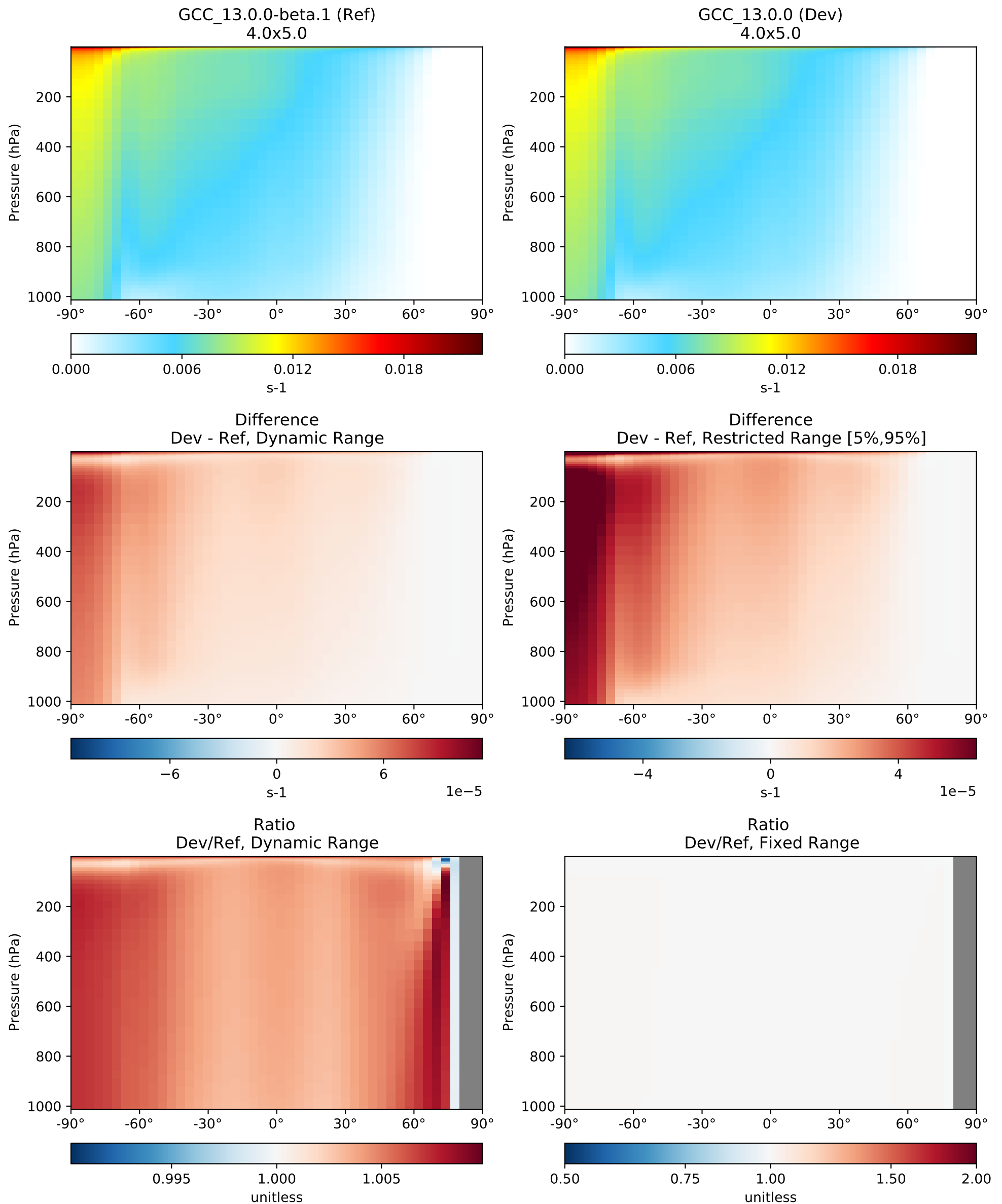


# Jval\_CH2Cl2, Zonal Mean (Jan2019)



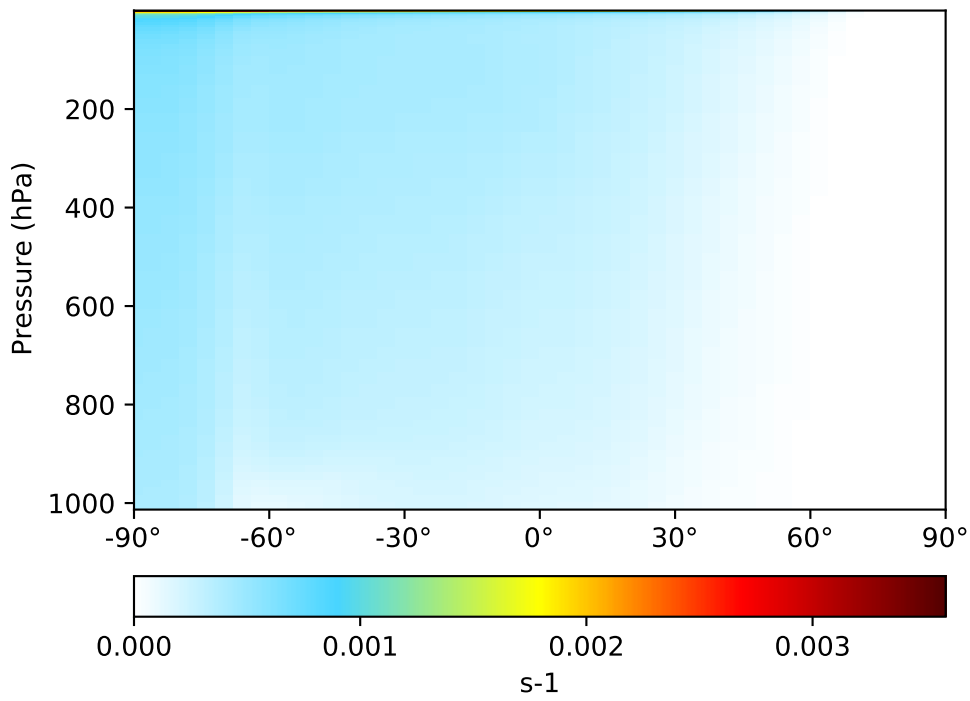


# Jval\_CH2I2, Zonal Mean (Jan2019)

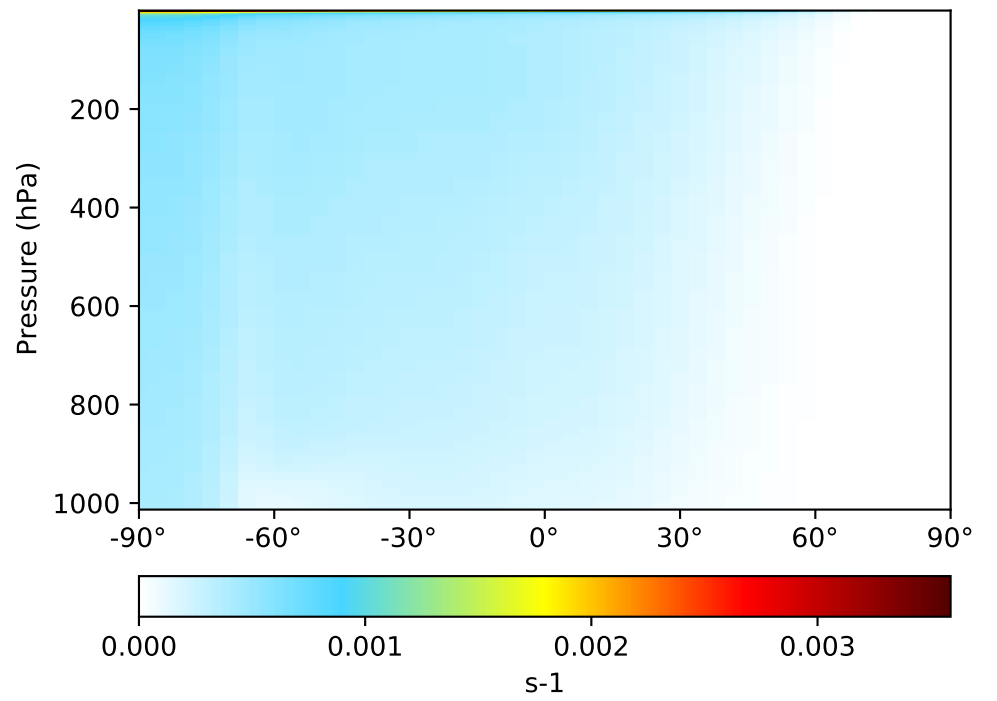


# Jval\_CH2IBr, Zonal Mean (Jan2019)

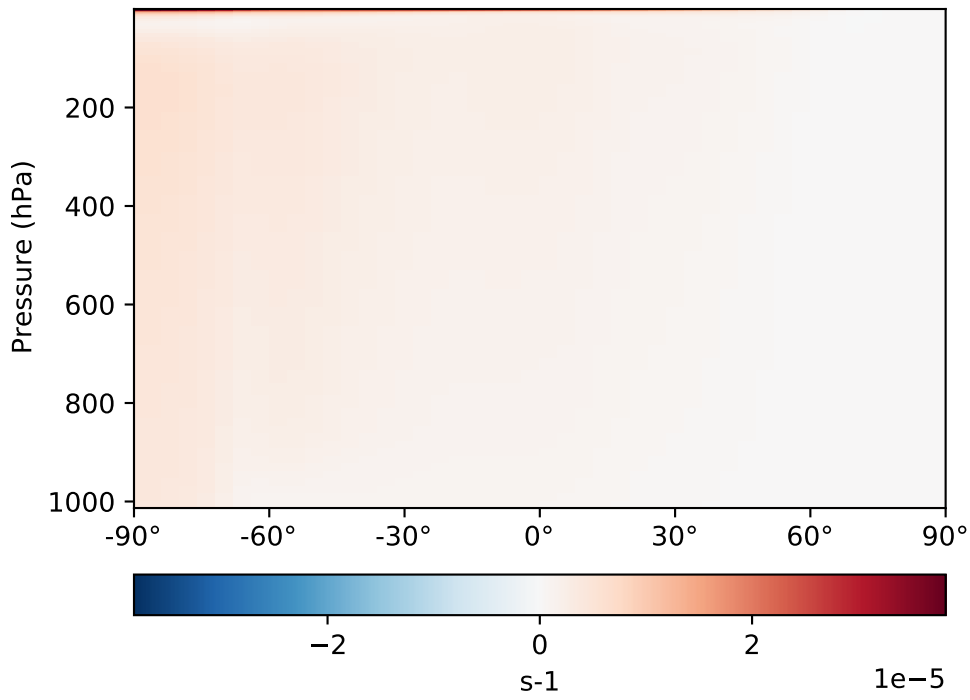
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



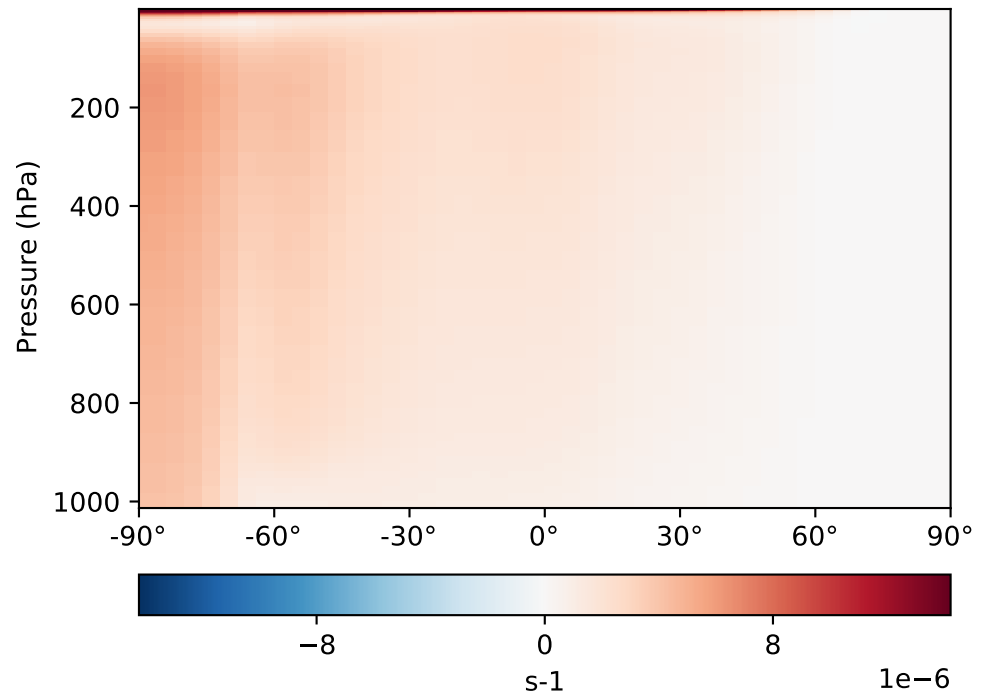
GCC\_13.0.0 (Dev)  
4.0x5.0



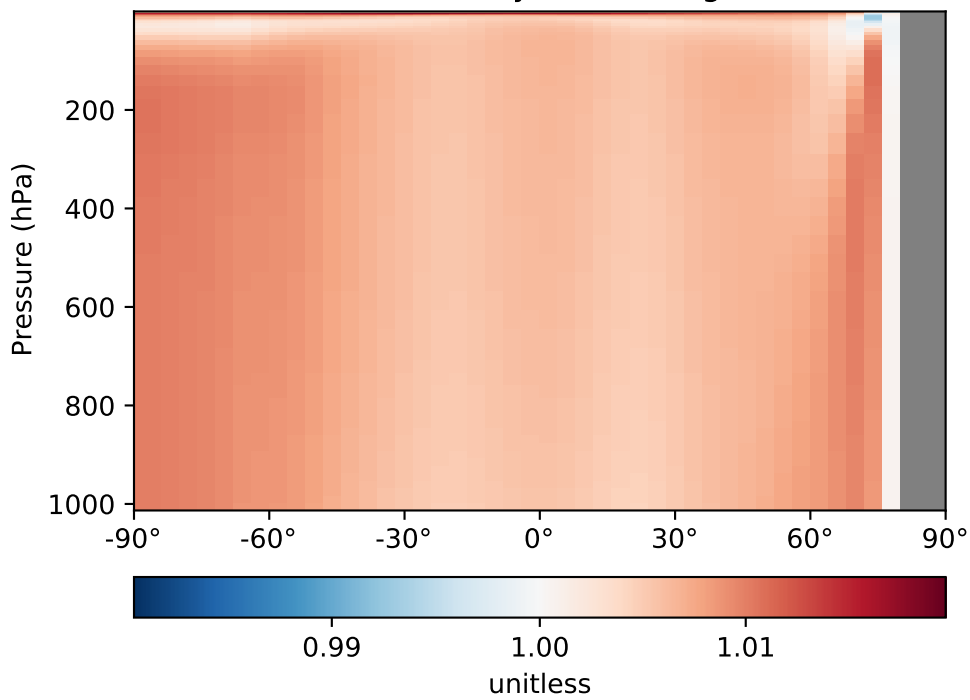
Difference  
Dev - Ref, Dynamic Range



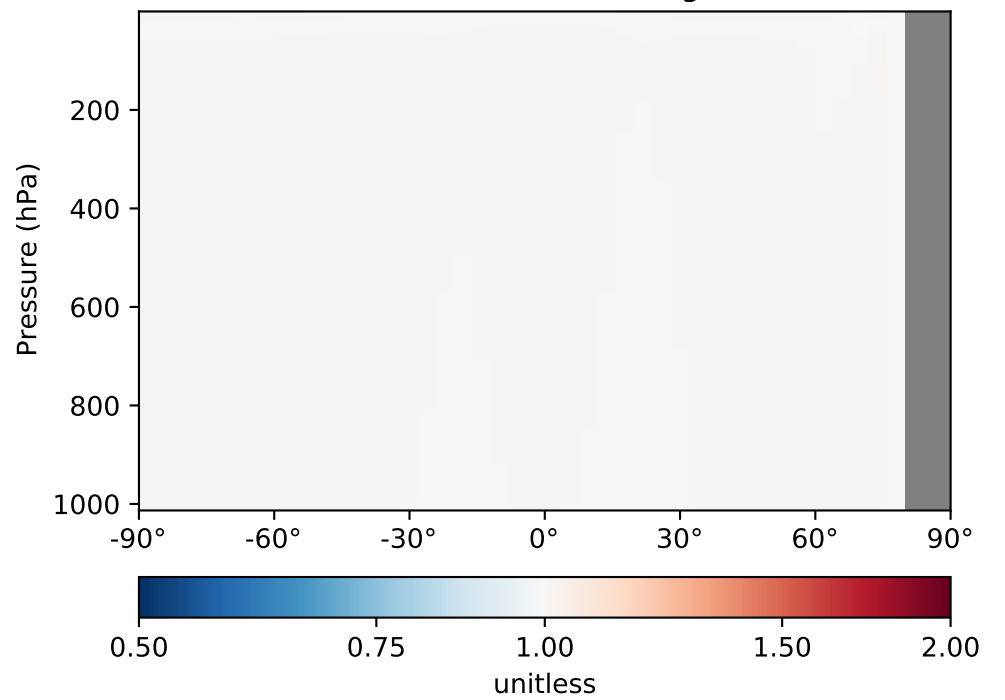
Difference  
Dev - Ref, Restricted Range [5%,95%]



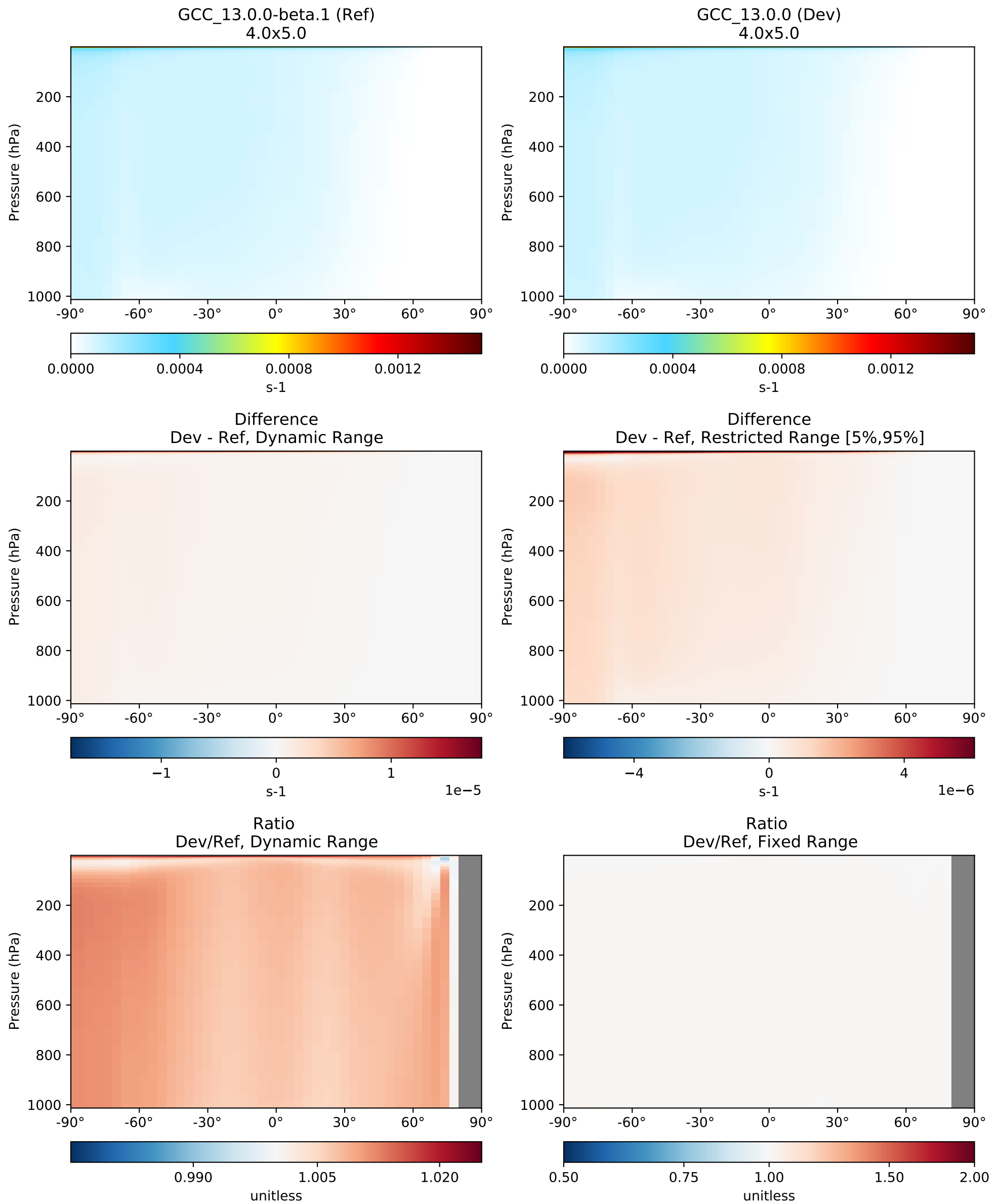
Ratio  
Dev/Ref, Dynamic Range



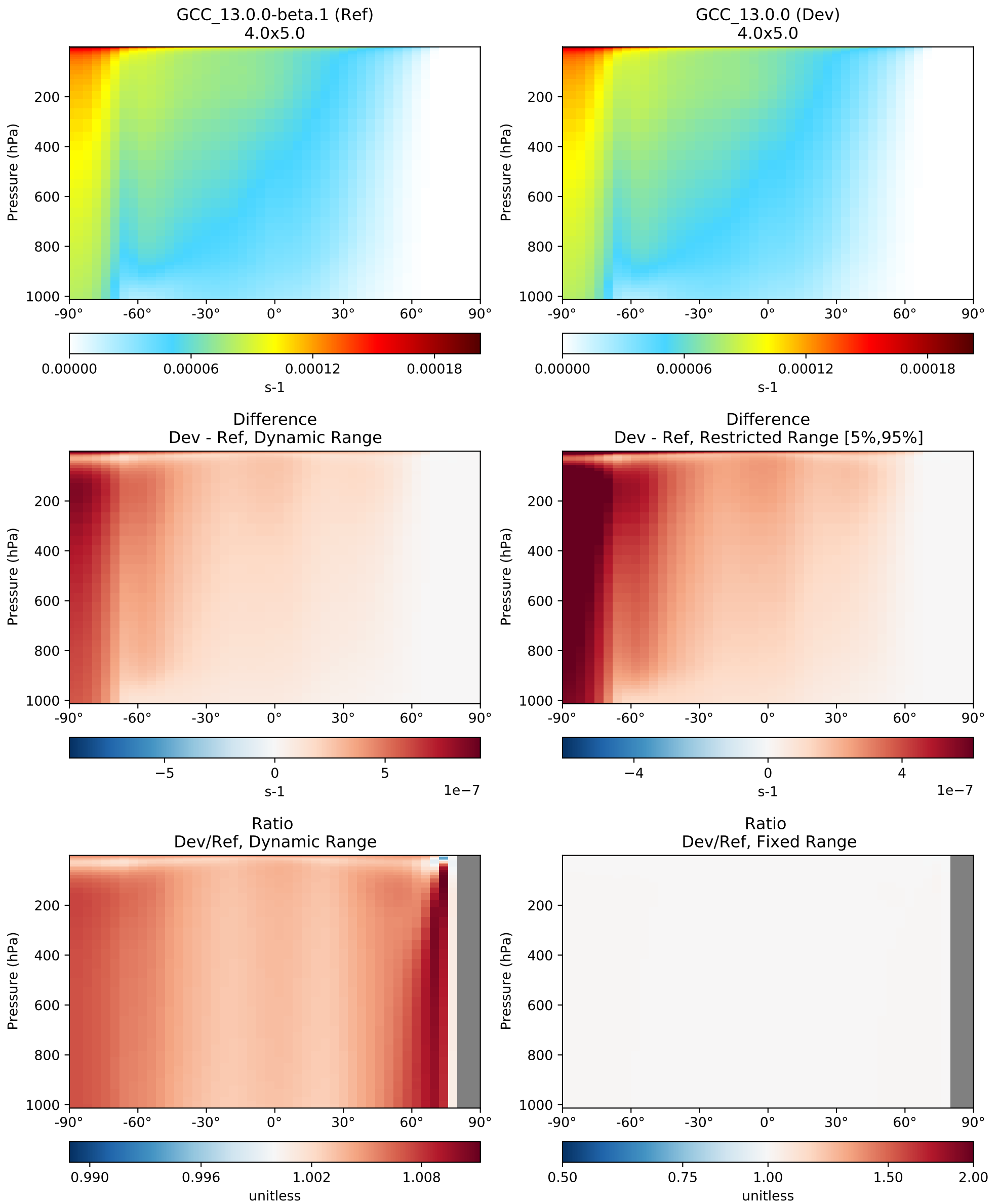
Ratio  
Dev/Ref, Fixed Range



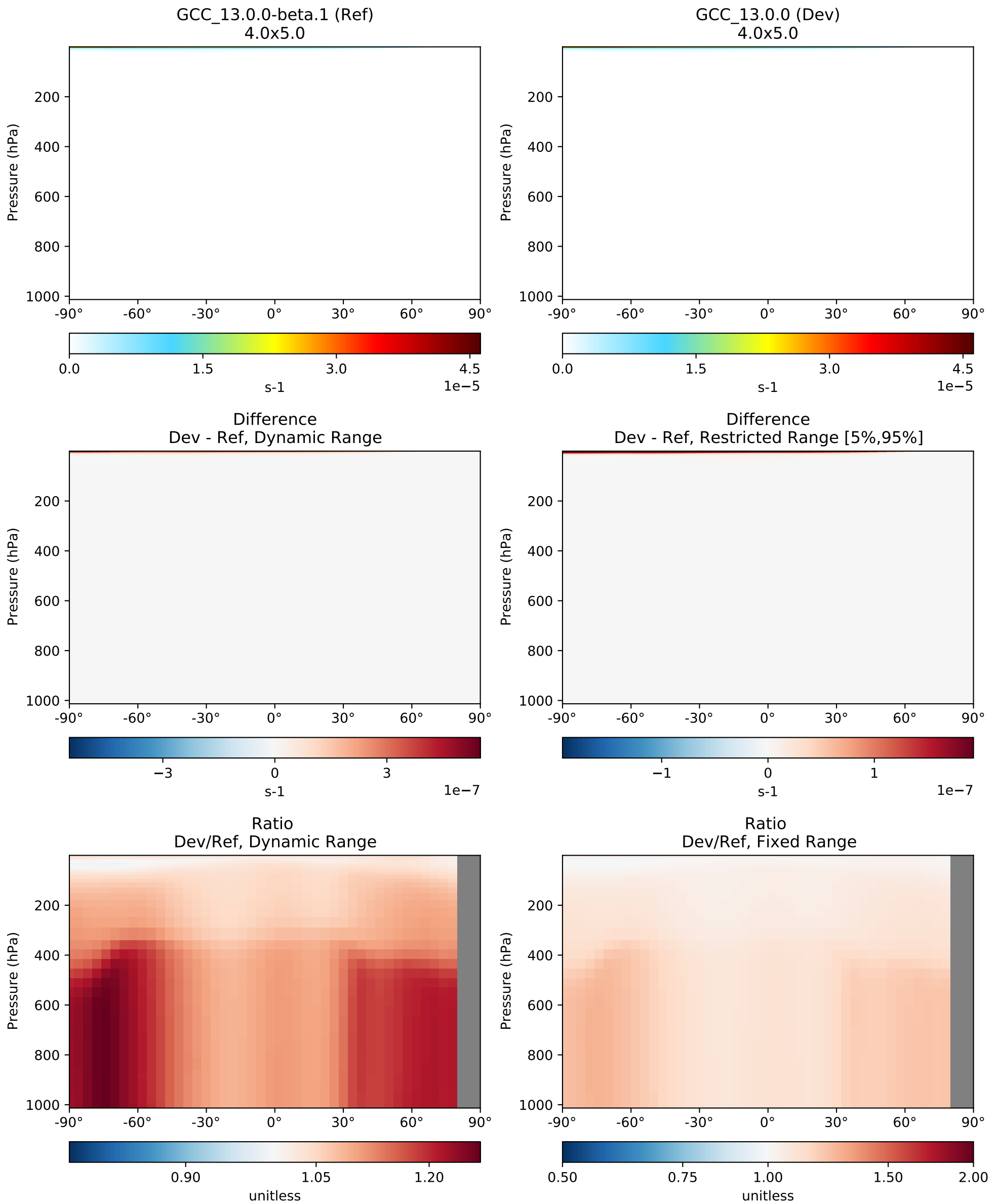
# Jval\_CH2ICl, Zonal Mean (Jan2019)



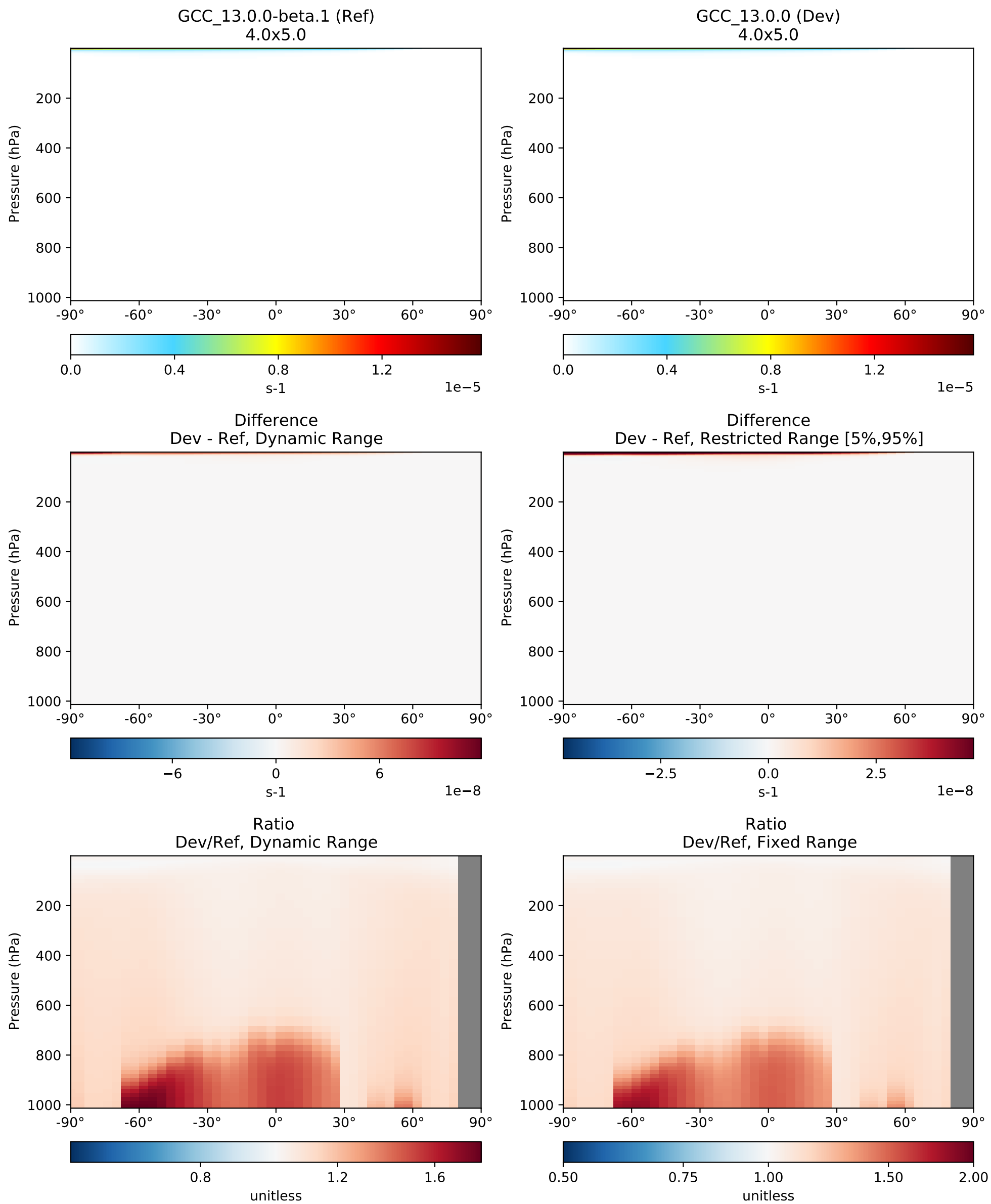
# Jval\_CH2O, Zonal Mean (Jan2019)



# Jval\_CH3Br, Zonal Mean (Jan2019)

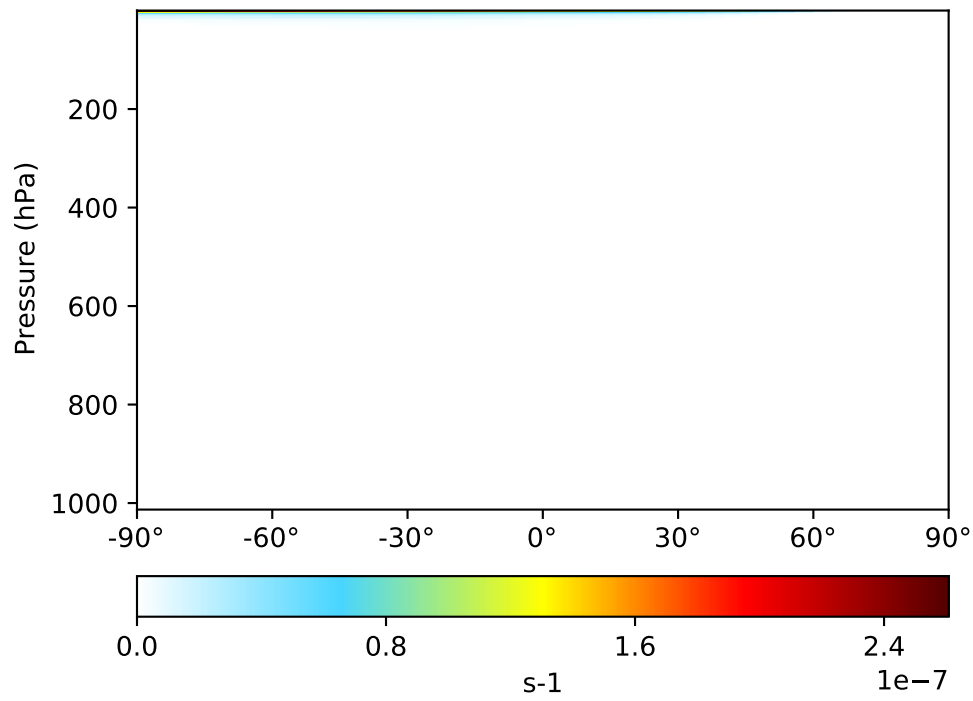


# Jval\_CH3CCl3, Zonal Mean (Jan2019)

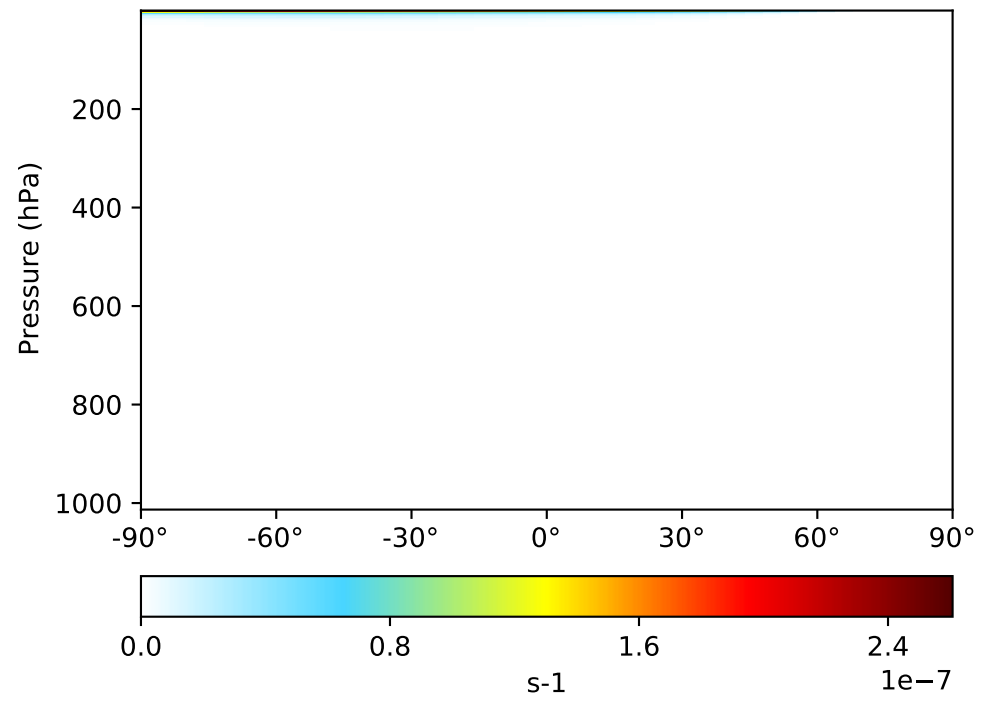


# Jval\_CH3Cl, Zonal Mean (Jan2019)

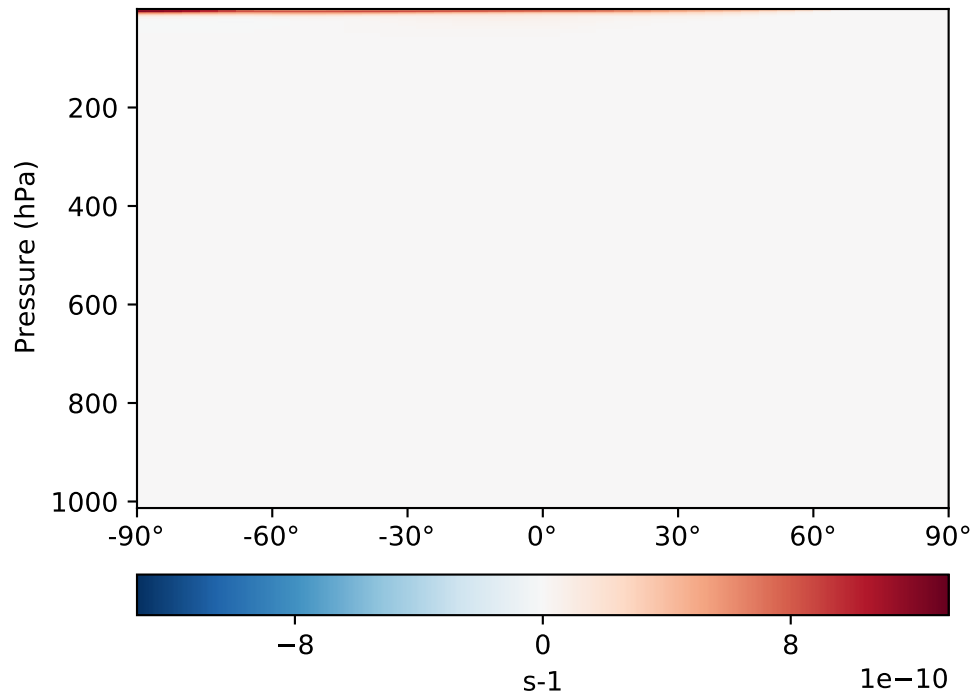
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



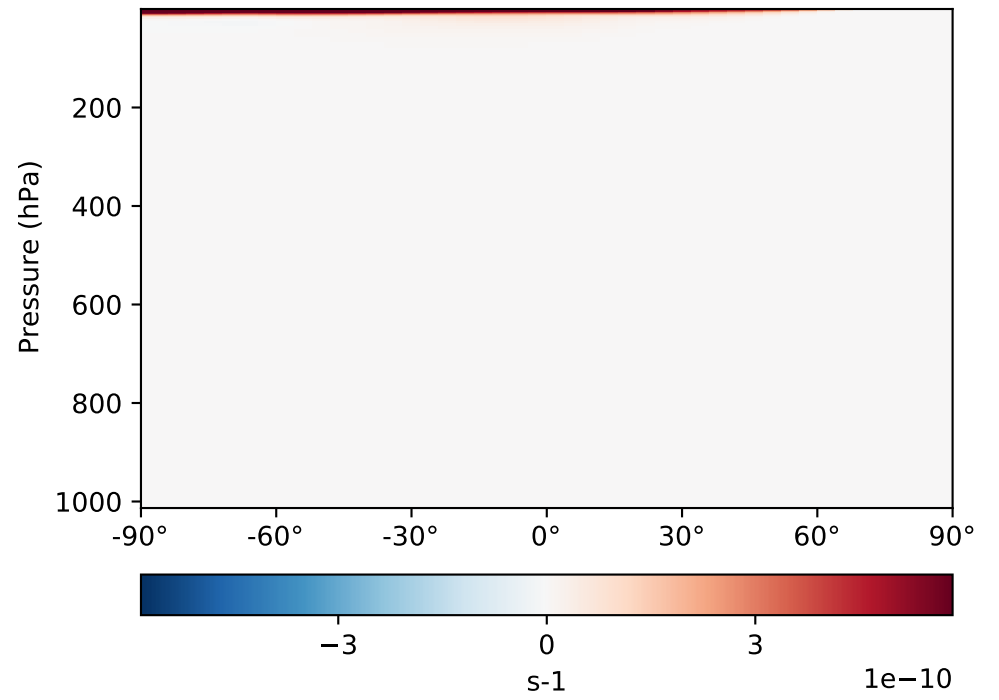
GCC\_13.0.0 (Dev)  
4.0x5.0



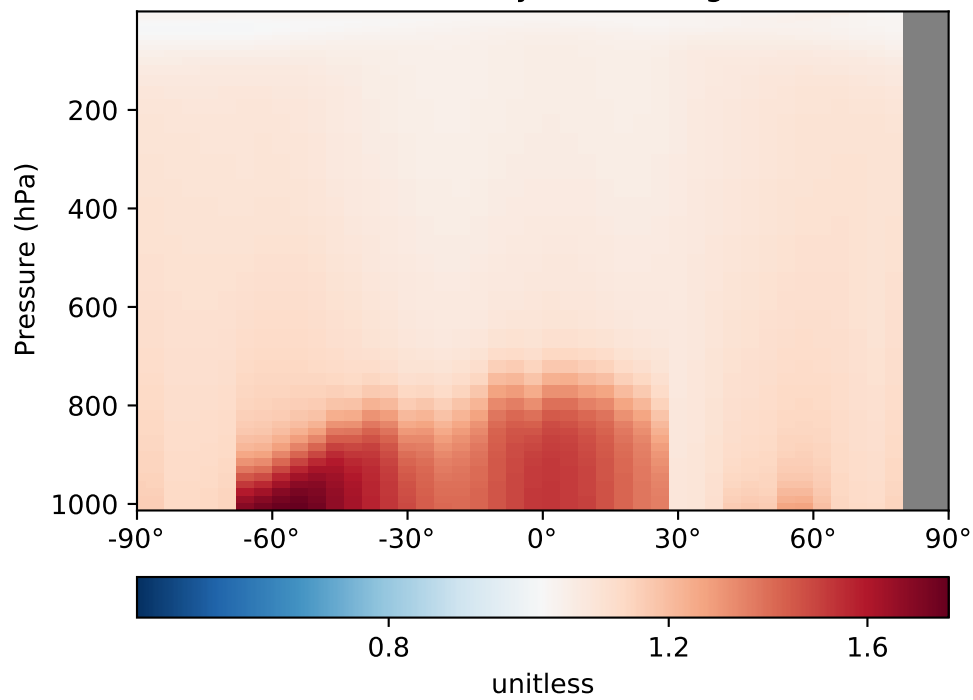
Difference  
Dev - Ref, Dynamic Range



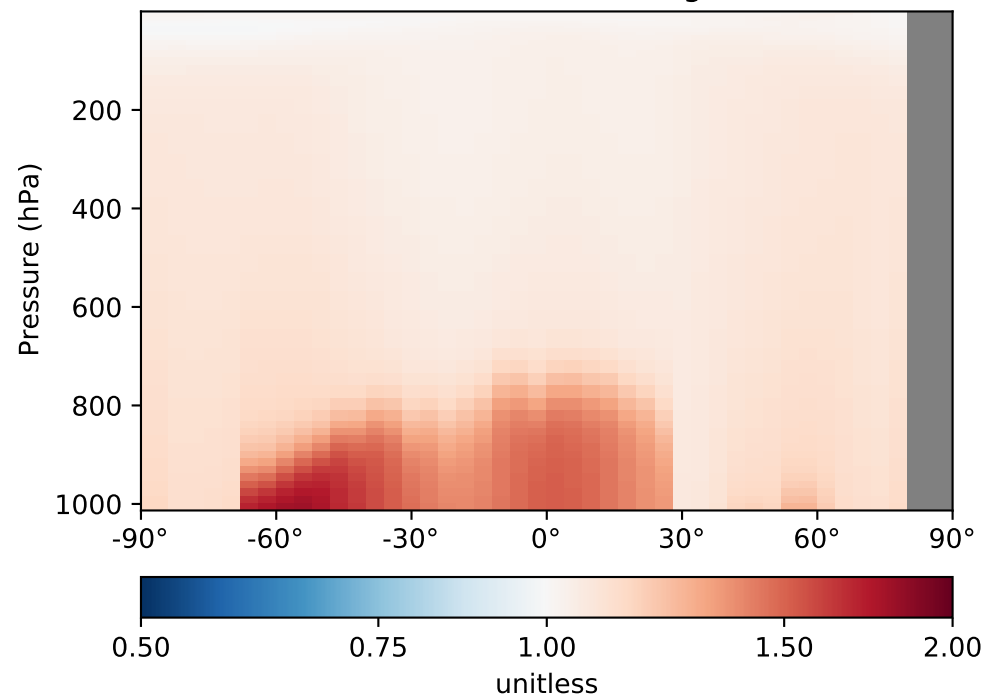
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

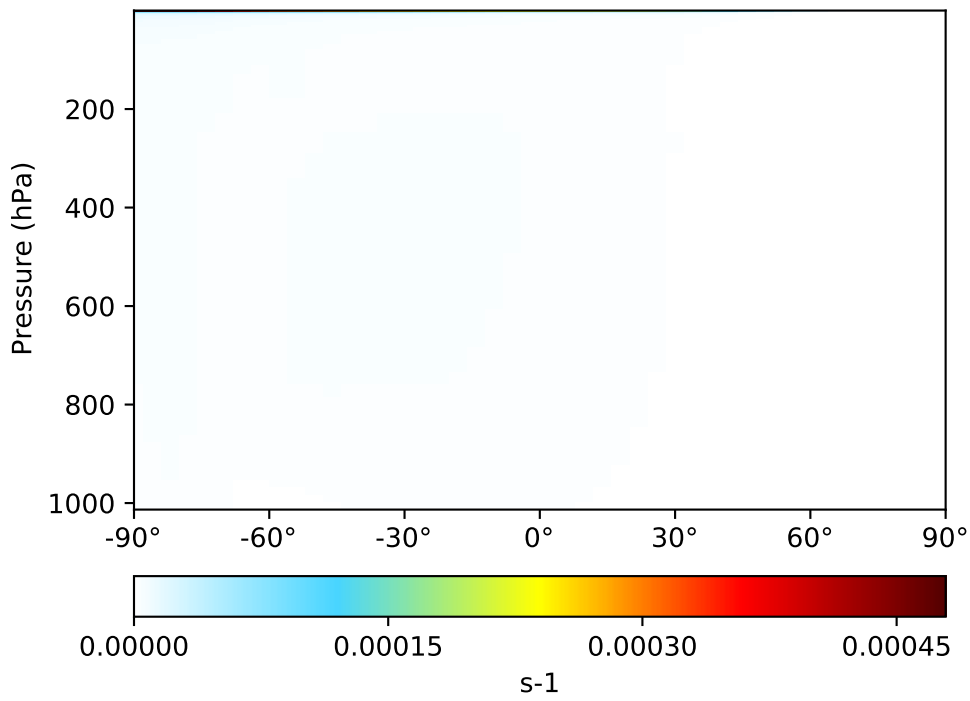


Ratio  
Dev/Ref, Fixed Range

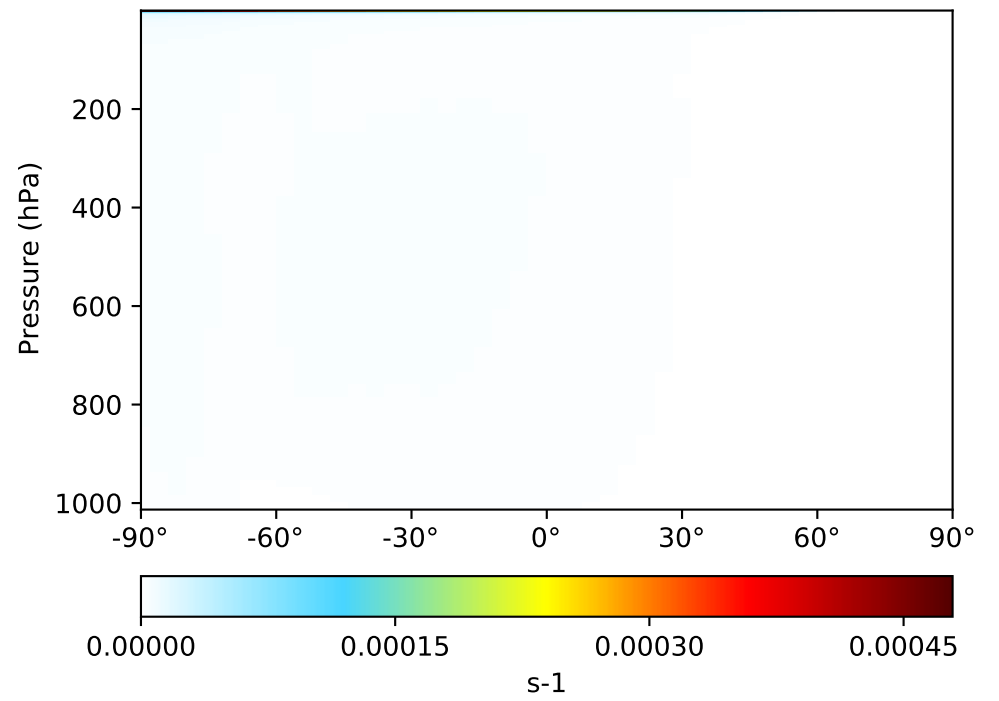


# Jval\_CH3I, Zonal Mean (Jan2019)

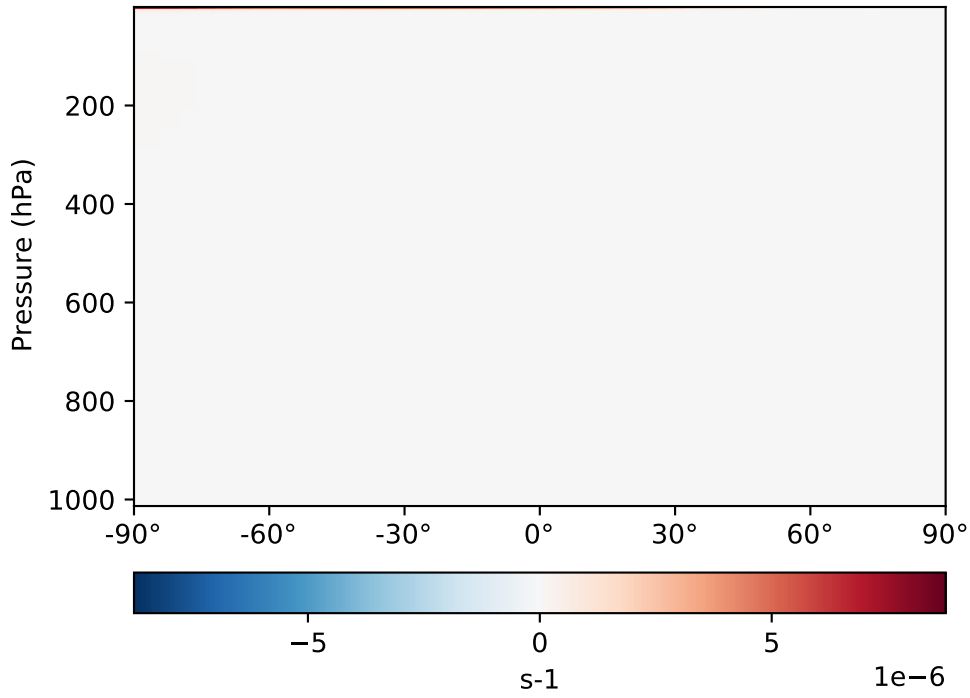
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



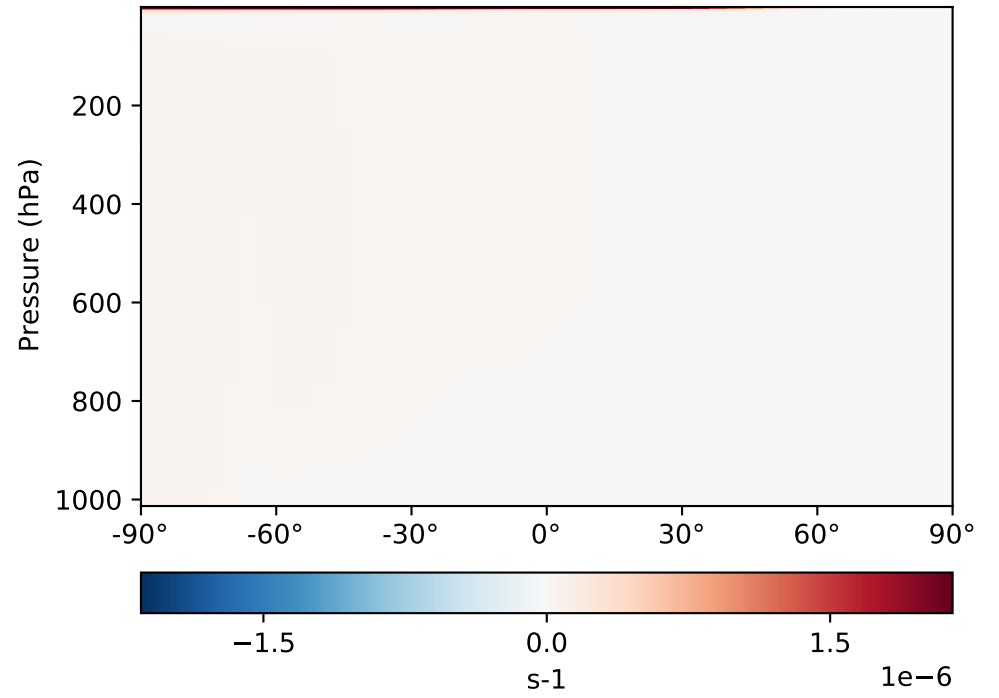
GCC\_13.0.0 (Dev)  
4.0x5.0



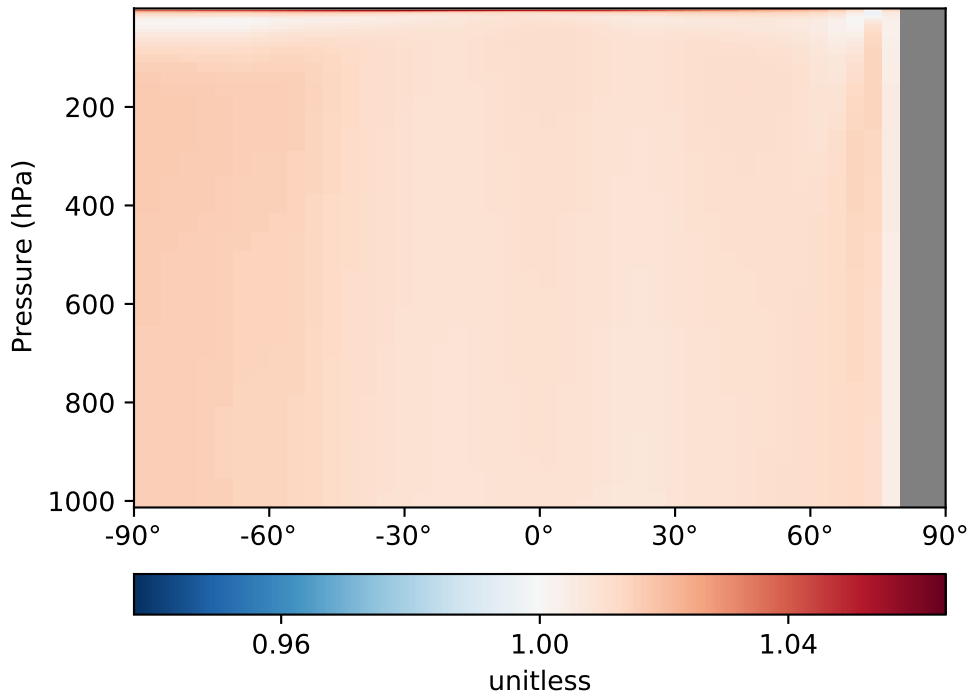
Difference  
Dev - Ref, Dynamic Range



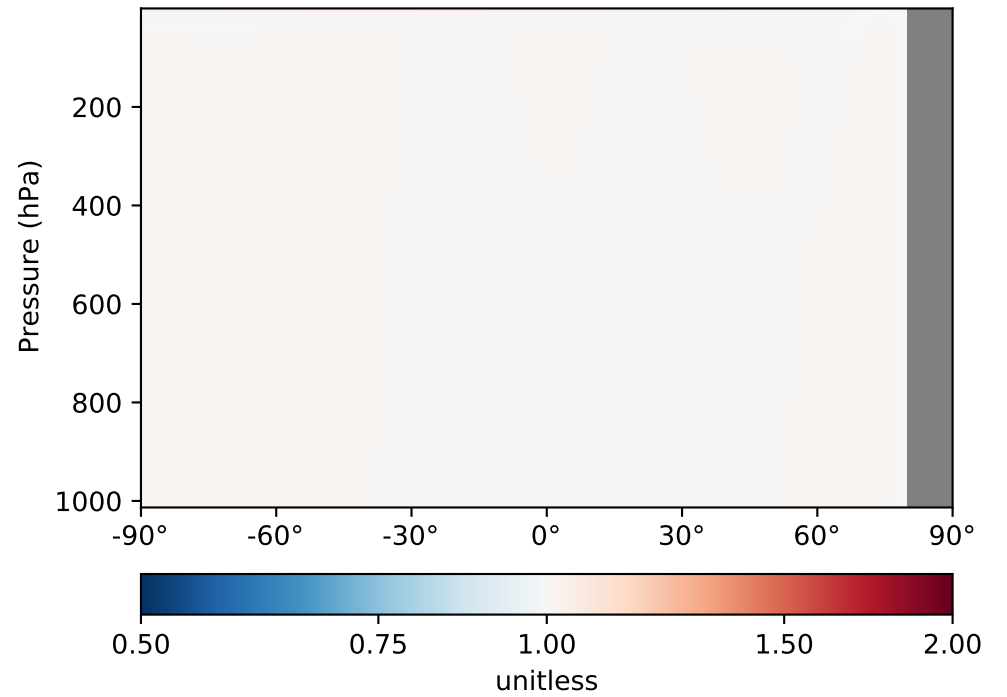
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

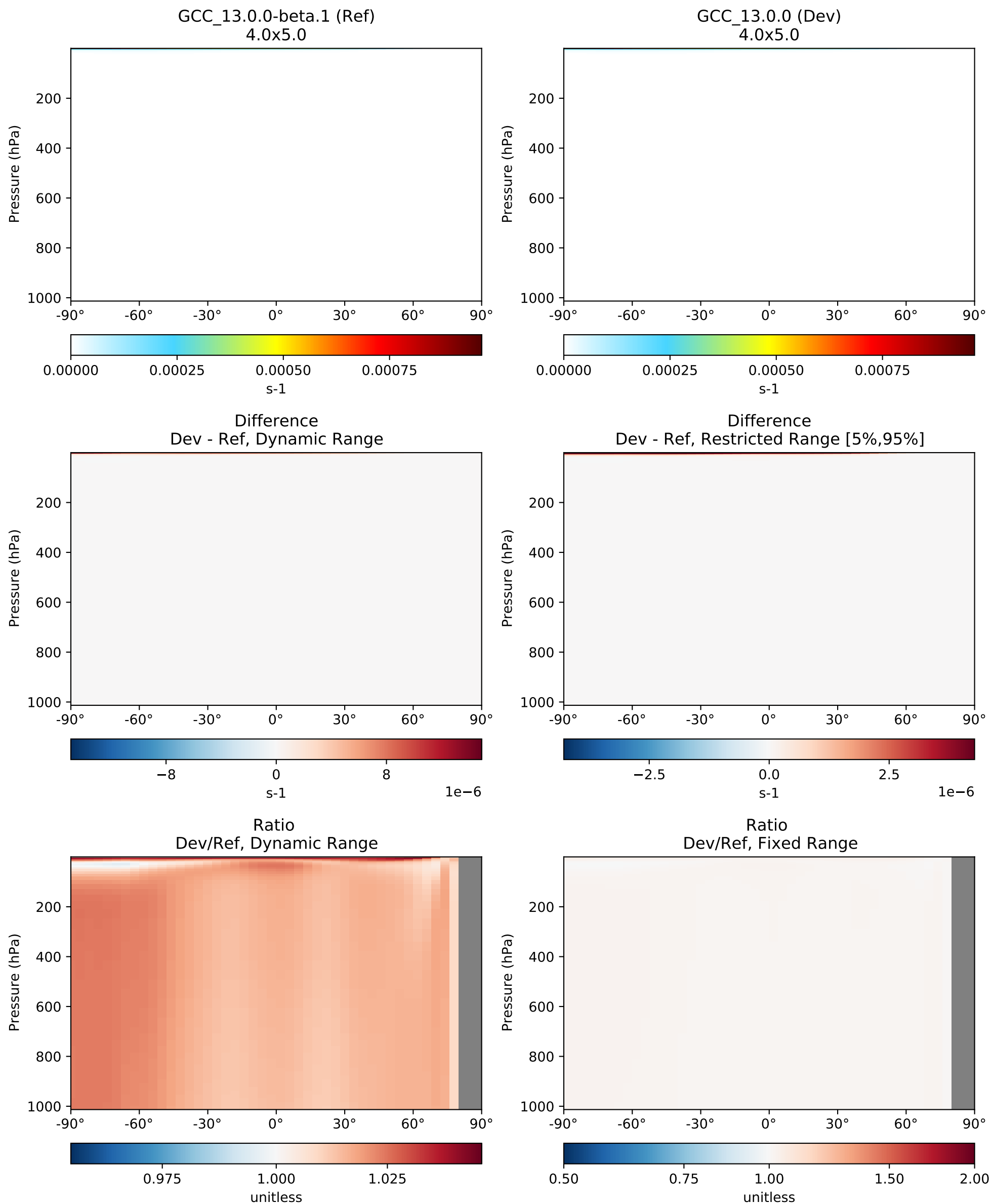


Ratio  
Dev/Ref, Fixed Range



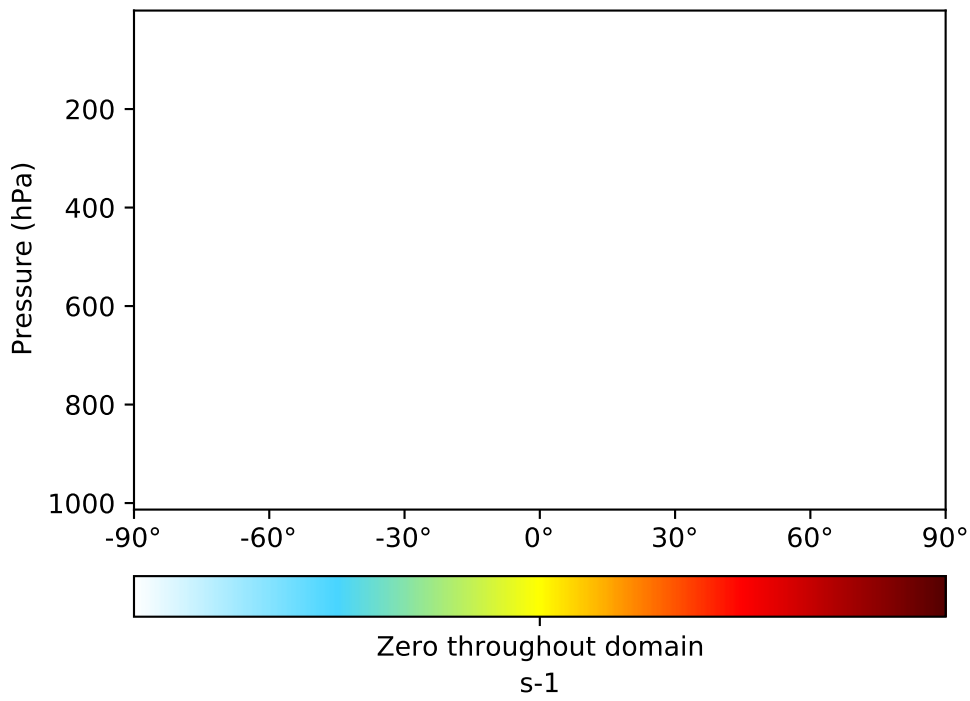


# Jval\_CHBr3, Zonal Mean (Jan2019)

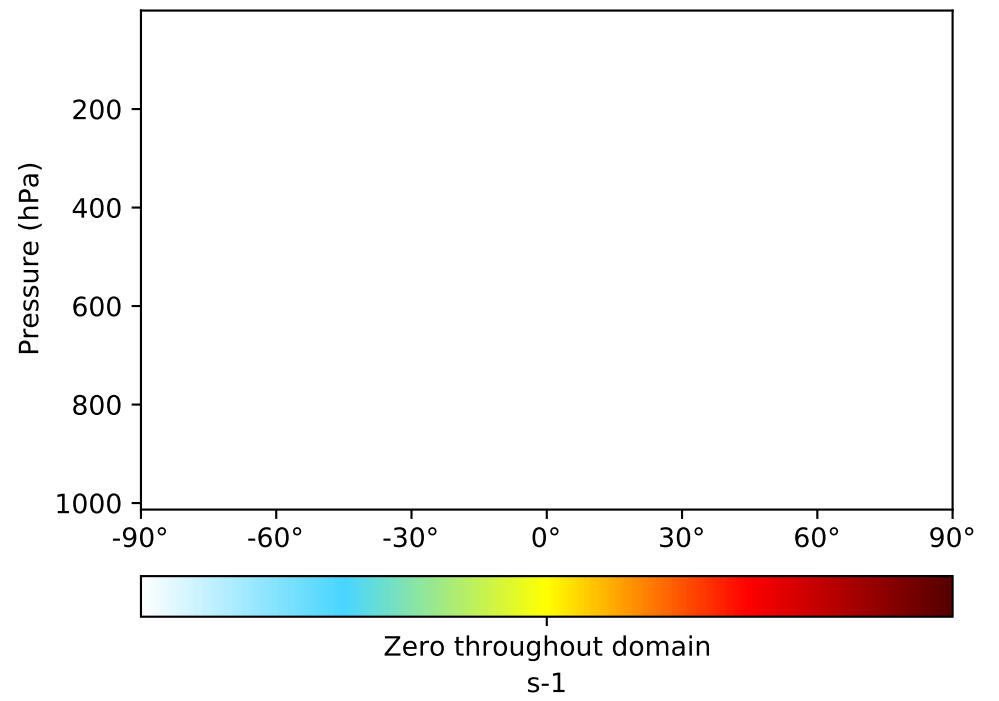


# Jval\_CHCl3, Zonal Mean (Jan2019)

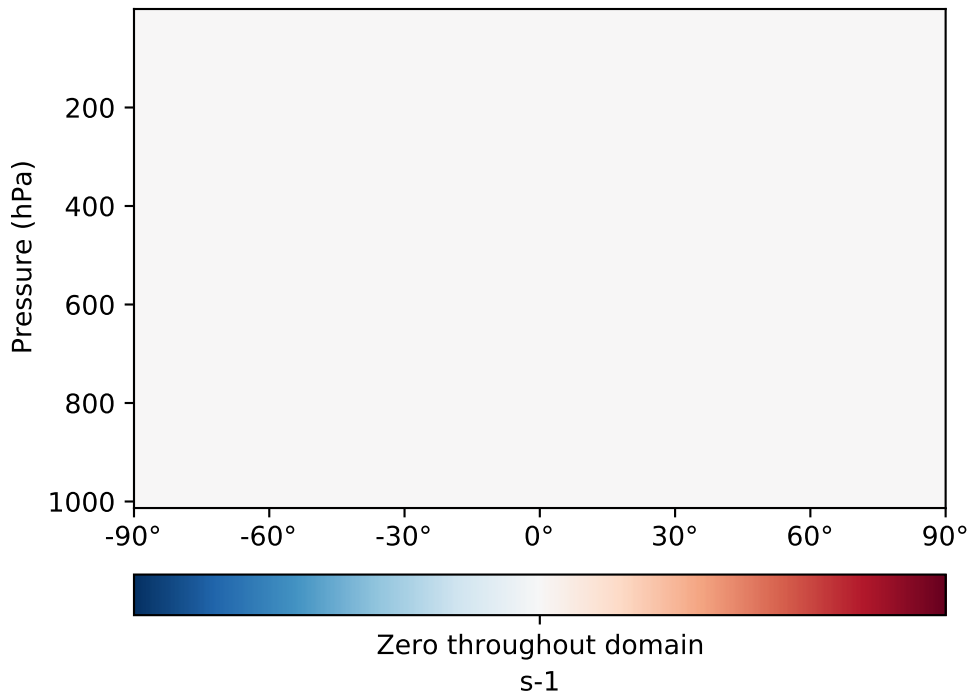
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



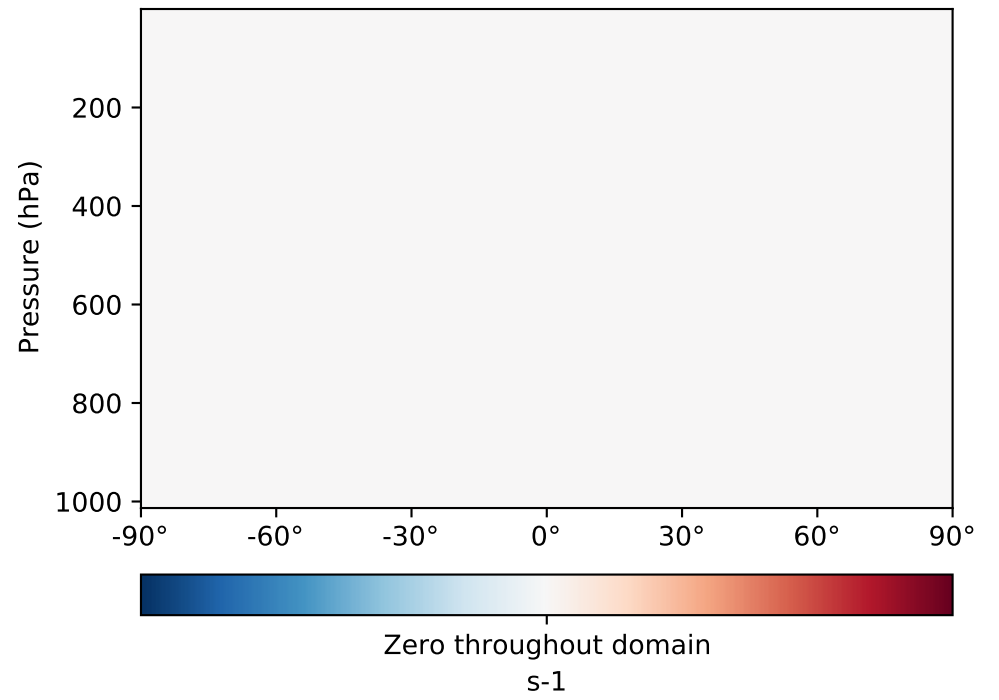
GCC\_13.0.0 (Dev)  
4.0x5.0



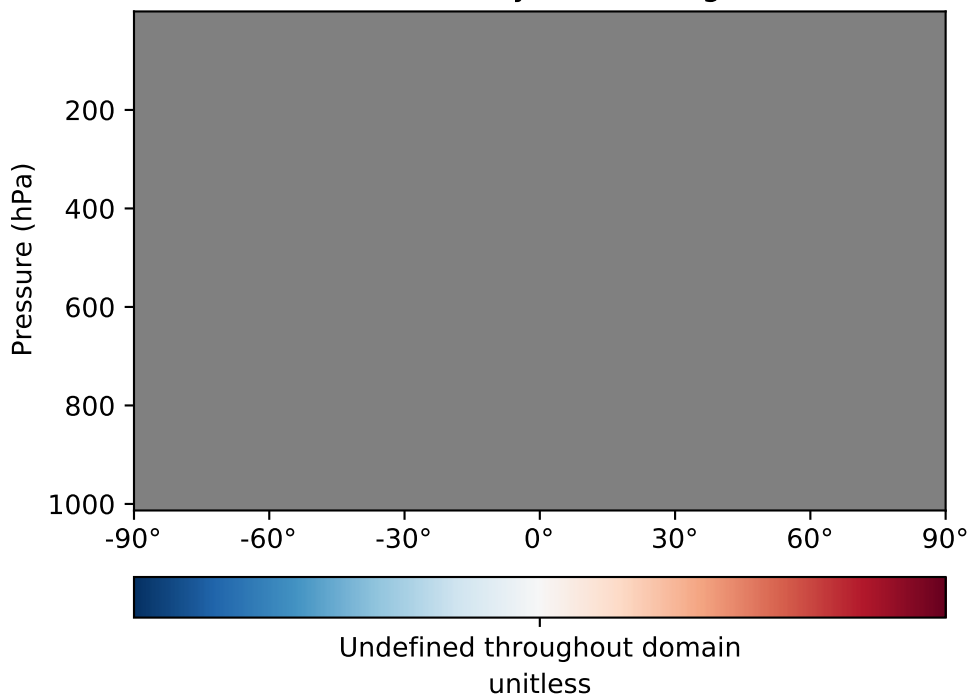
Difference  
Dev - Ref, Dynamic Range



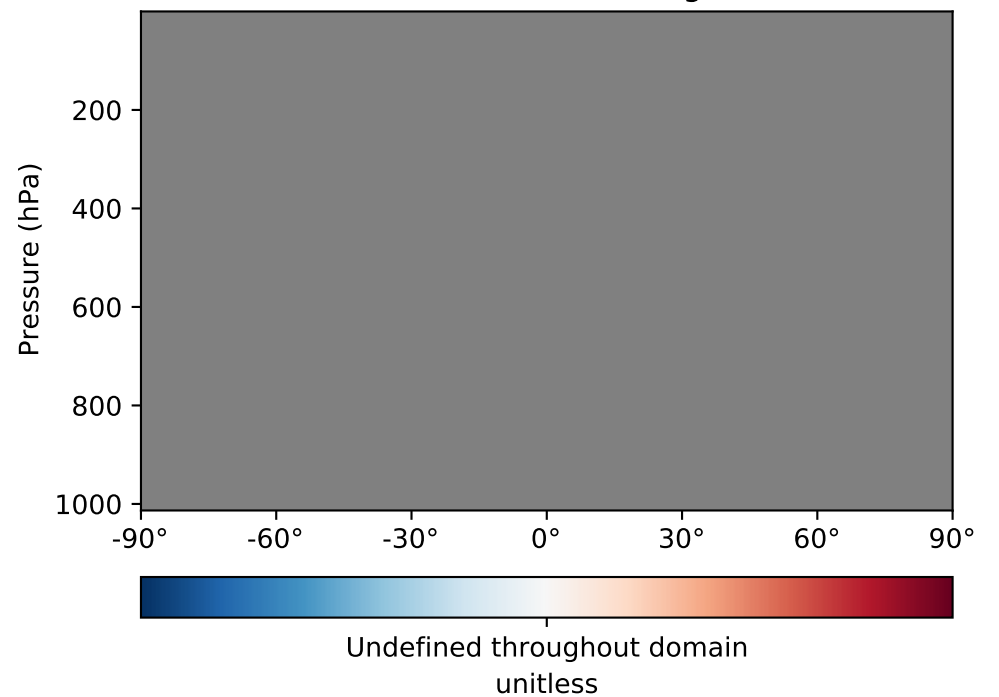
Difference  
Dev - Ref, Restricted Range [5%,95%]



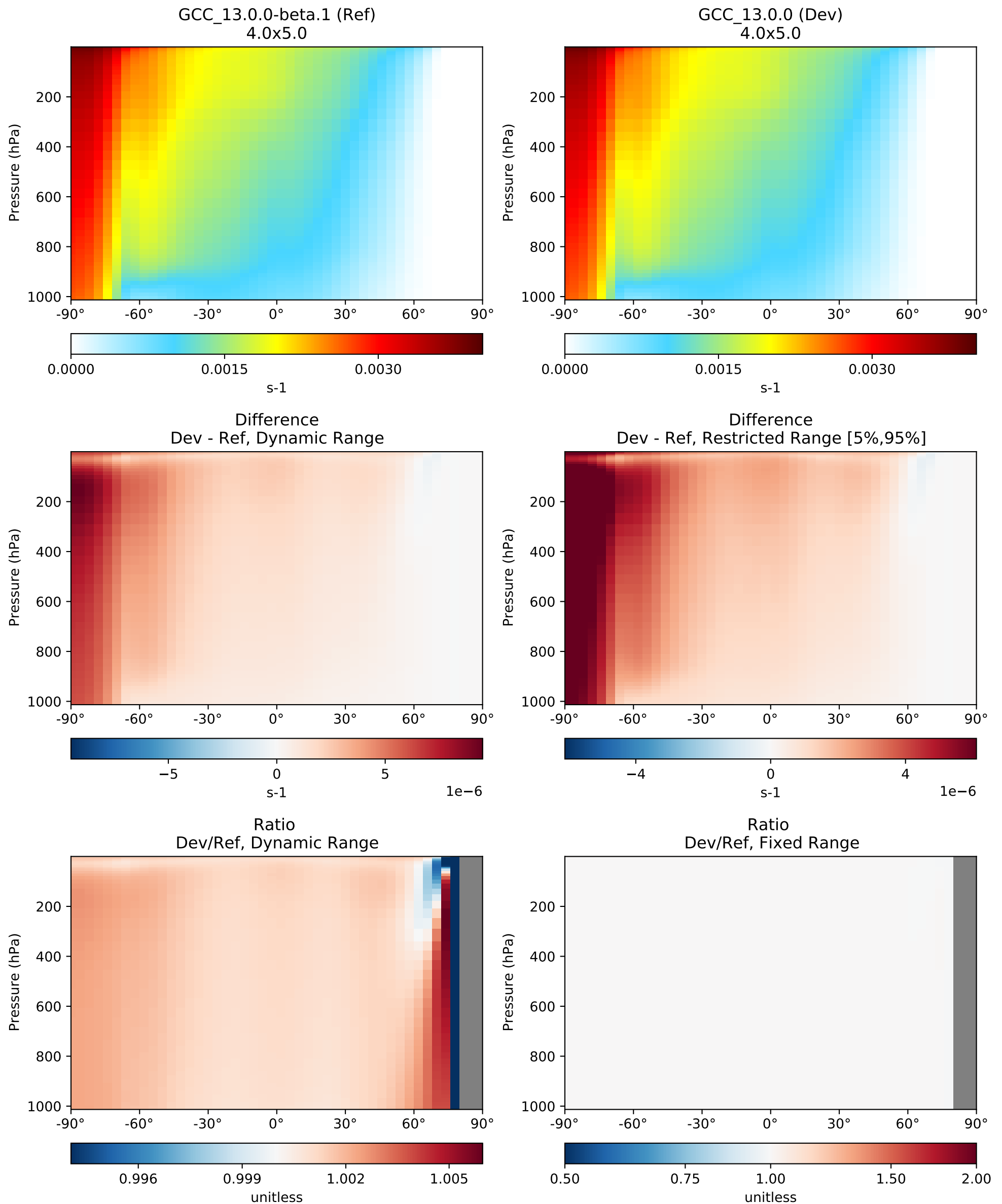
Ratio  
Dev/Ref, Dynamic Range



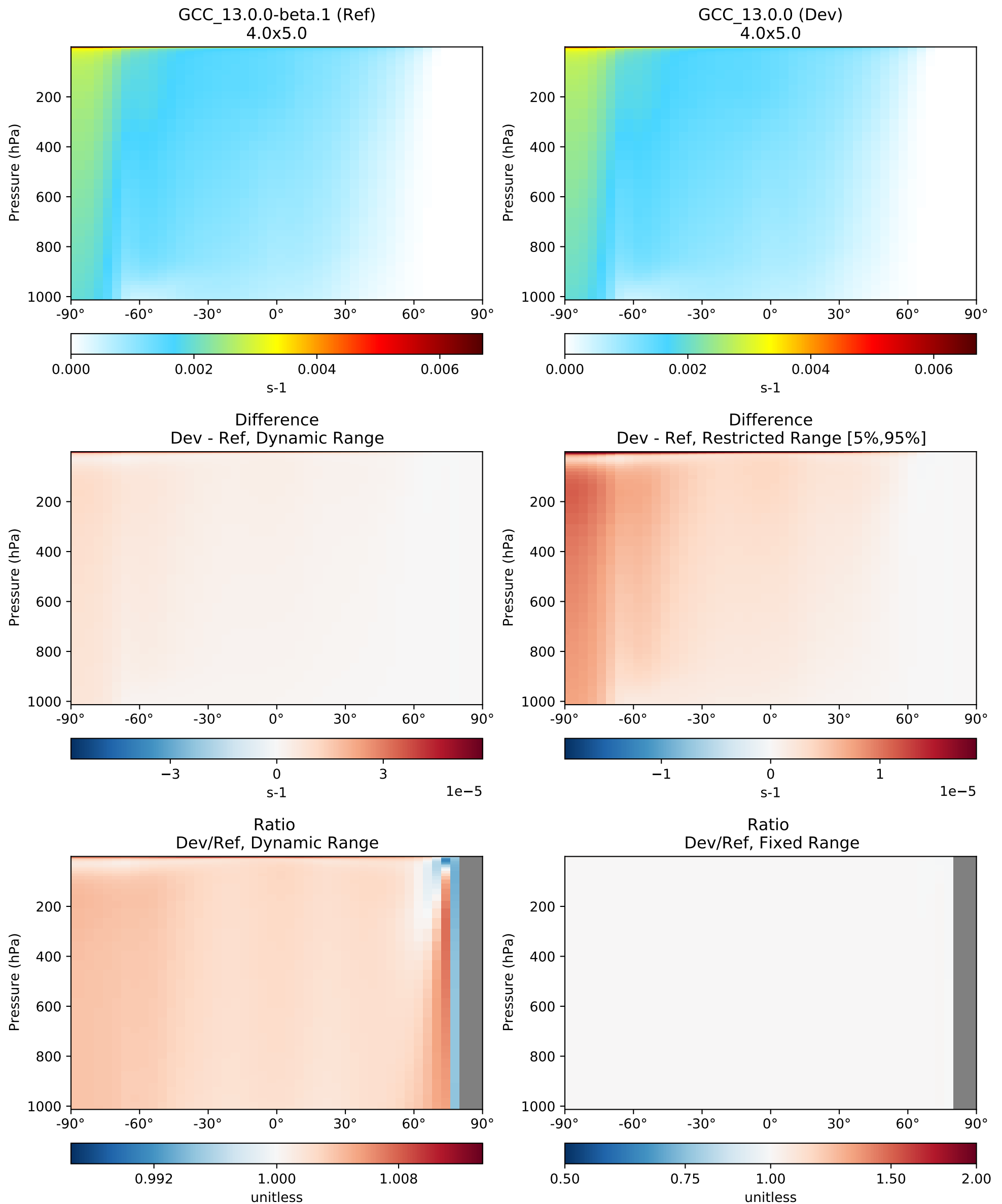
Ratio  
Dev/Ref, Fixed Range



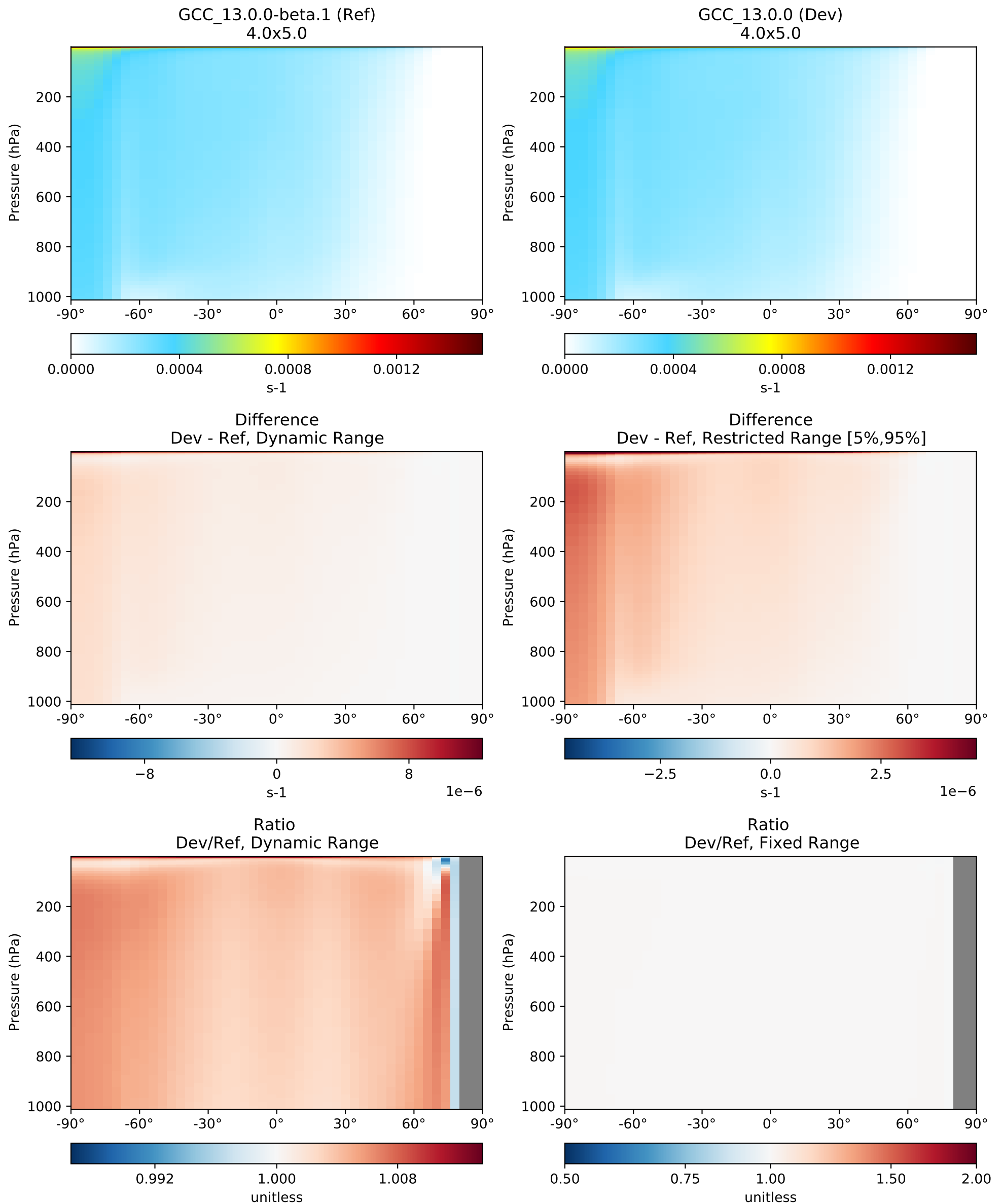
# Jval\_Cl2, Zonal Mean (Jan2019)



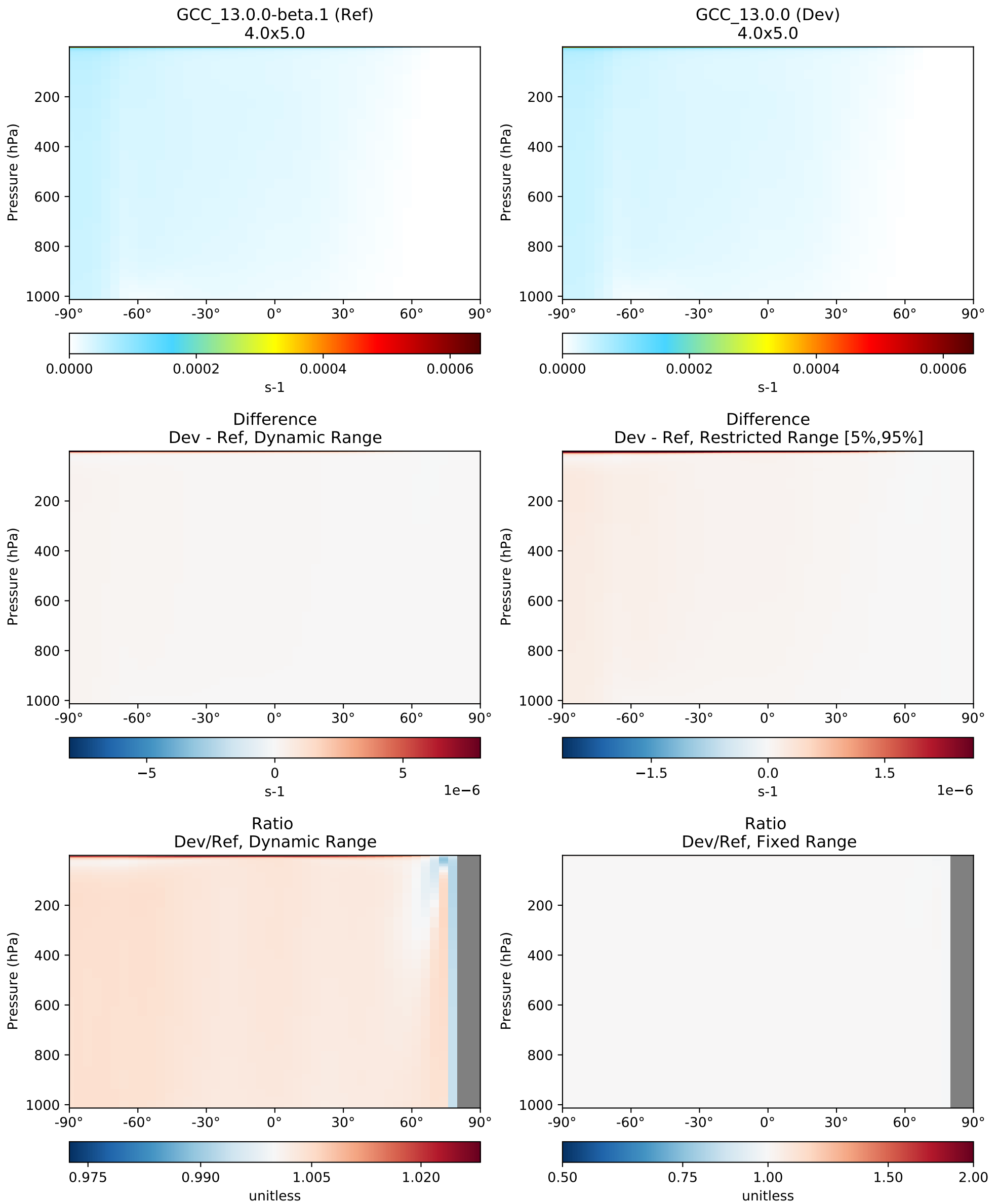
# Jval\_Cl2O2, Zonal Mean (Jan2019)



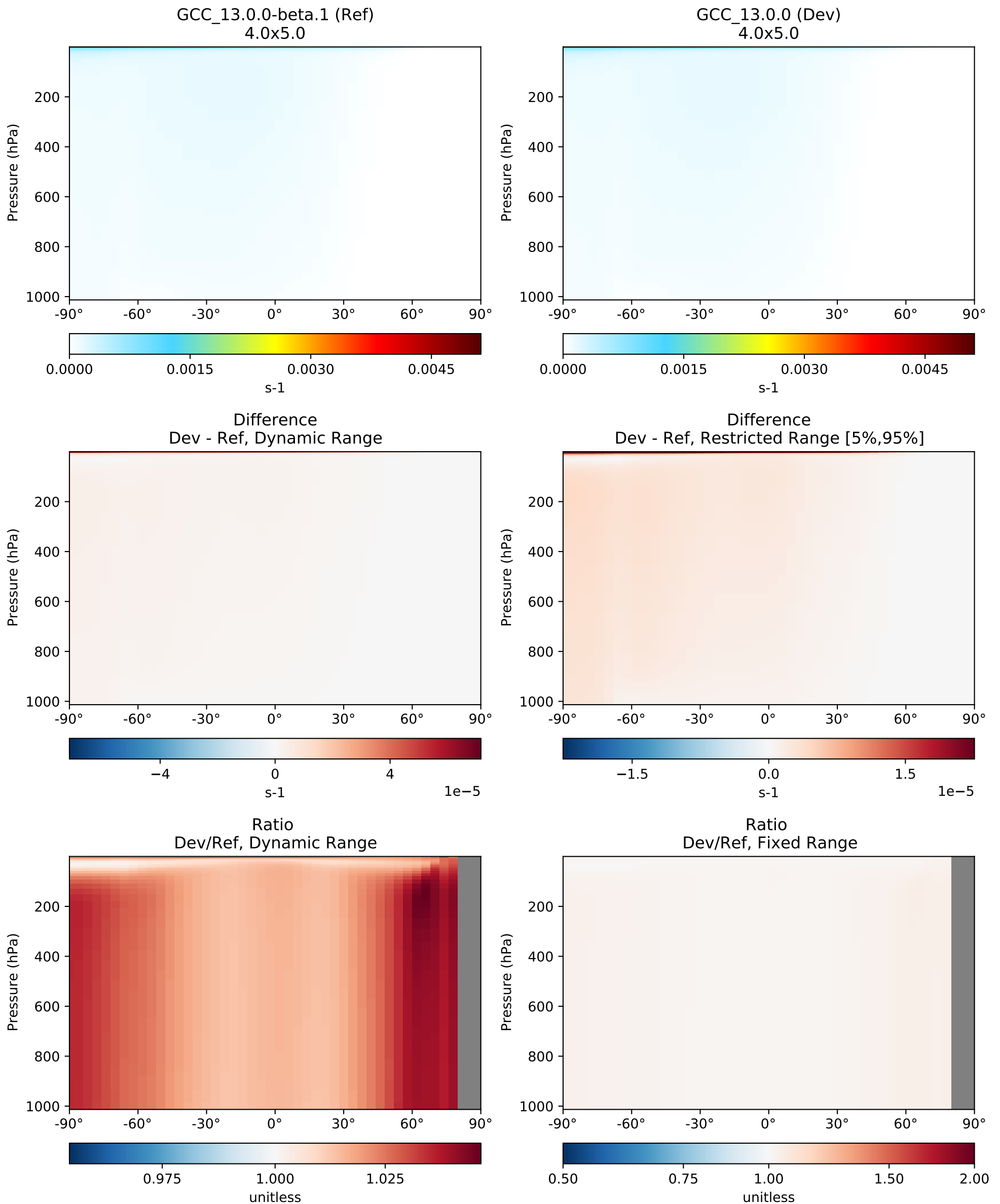
# Jval\_CINO2, Zonal Mean (Jan2019)



# Jval\_CINO3, Zonal Mean (Jan2019)

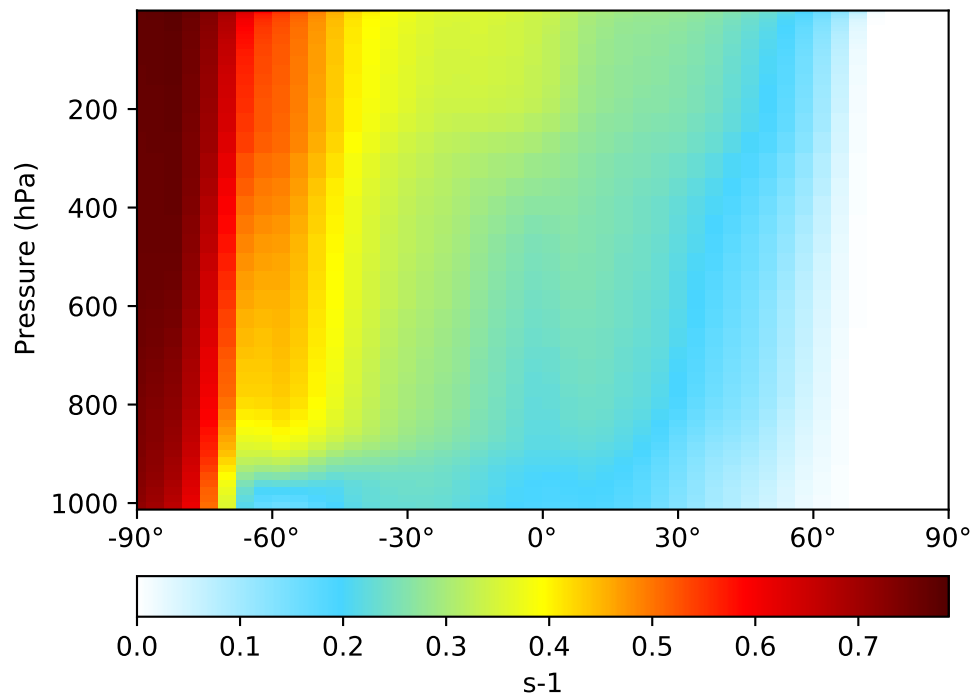


# Jval\_CIO, Zonal Mean (Jan2019)

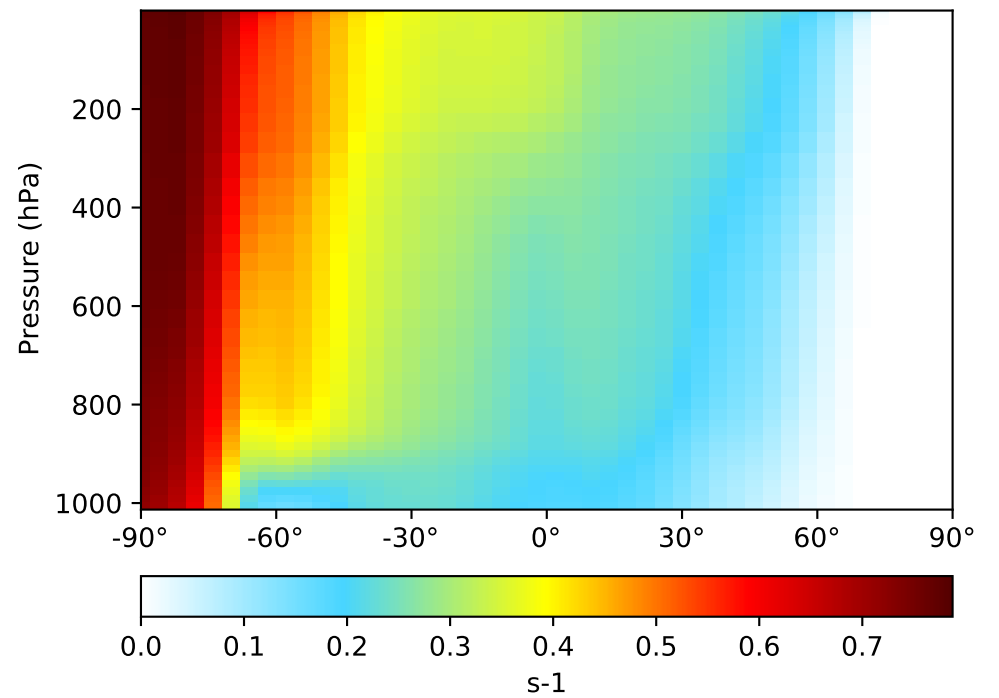


# Jval\_C100, Zonal Mean (Jan2019)

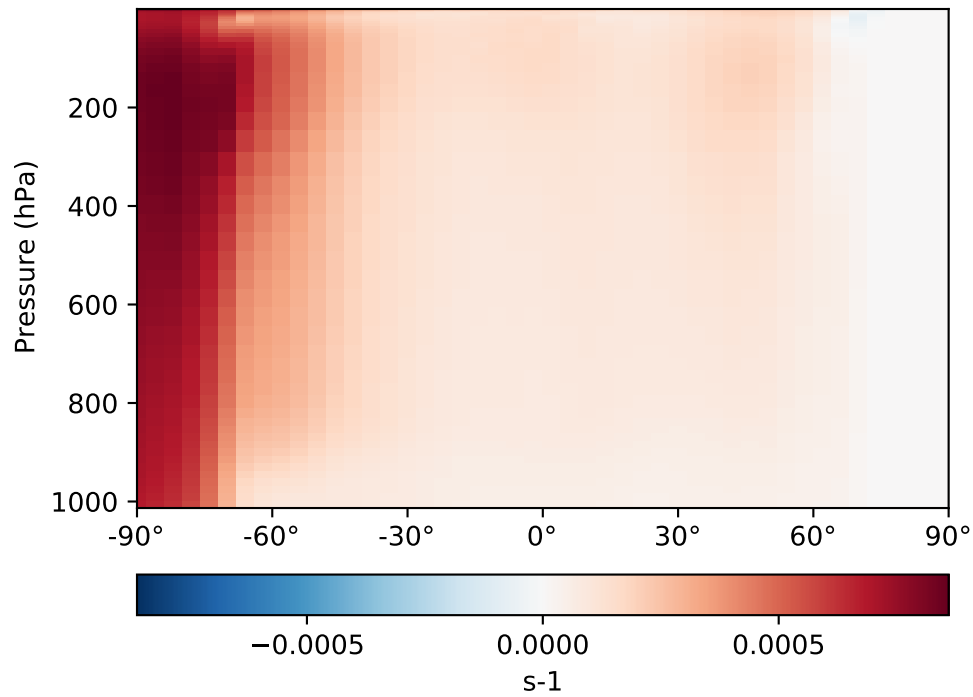
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



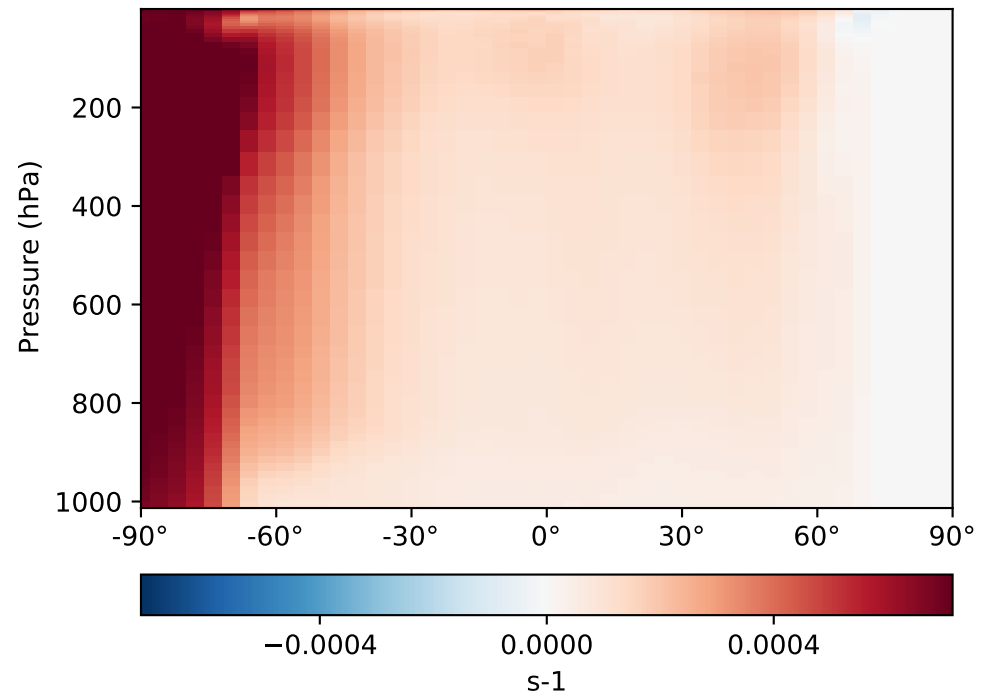
GCC\_13.0.0 (Dev)  
4.0x5.0



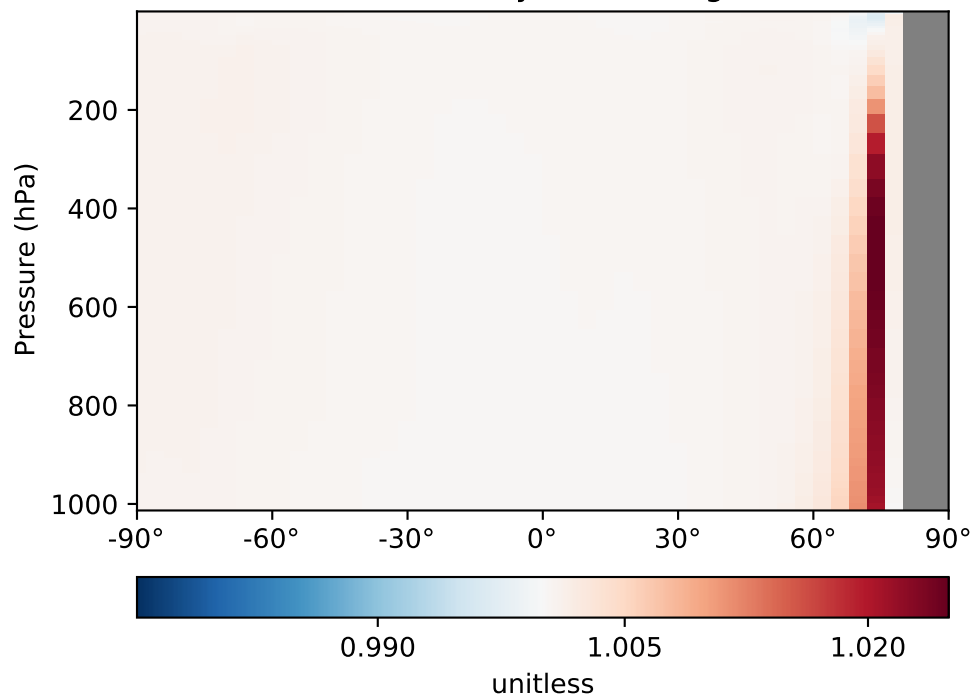
Difference  
Dev - Ref, Dynamic Range



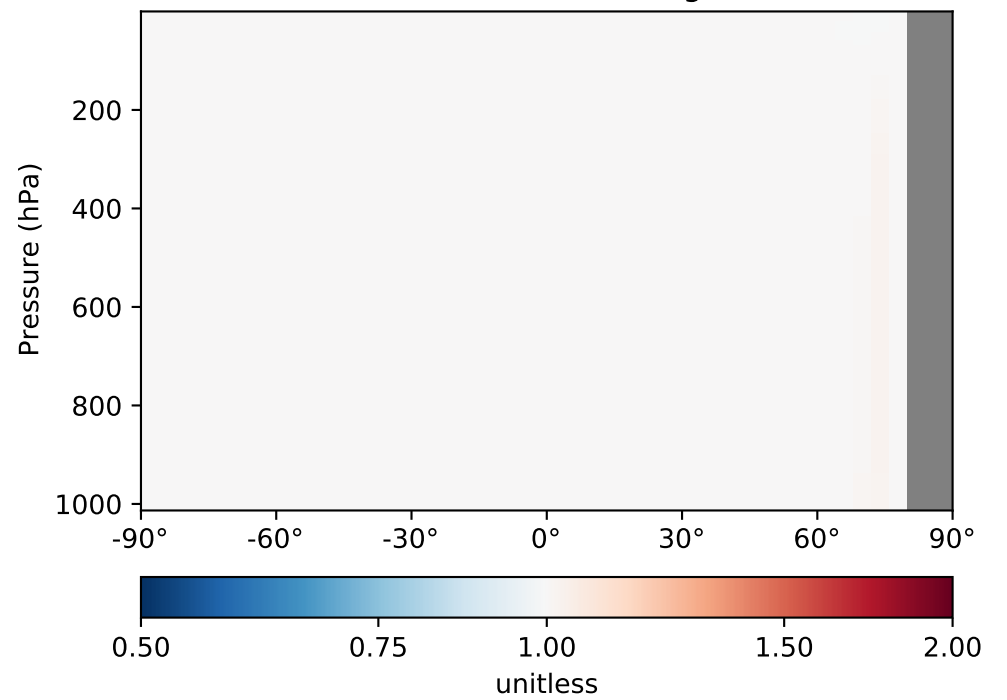
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

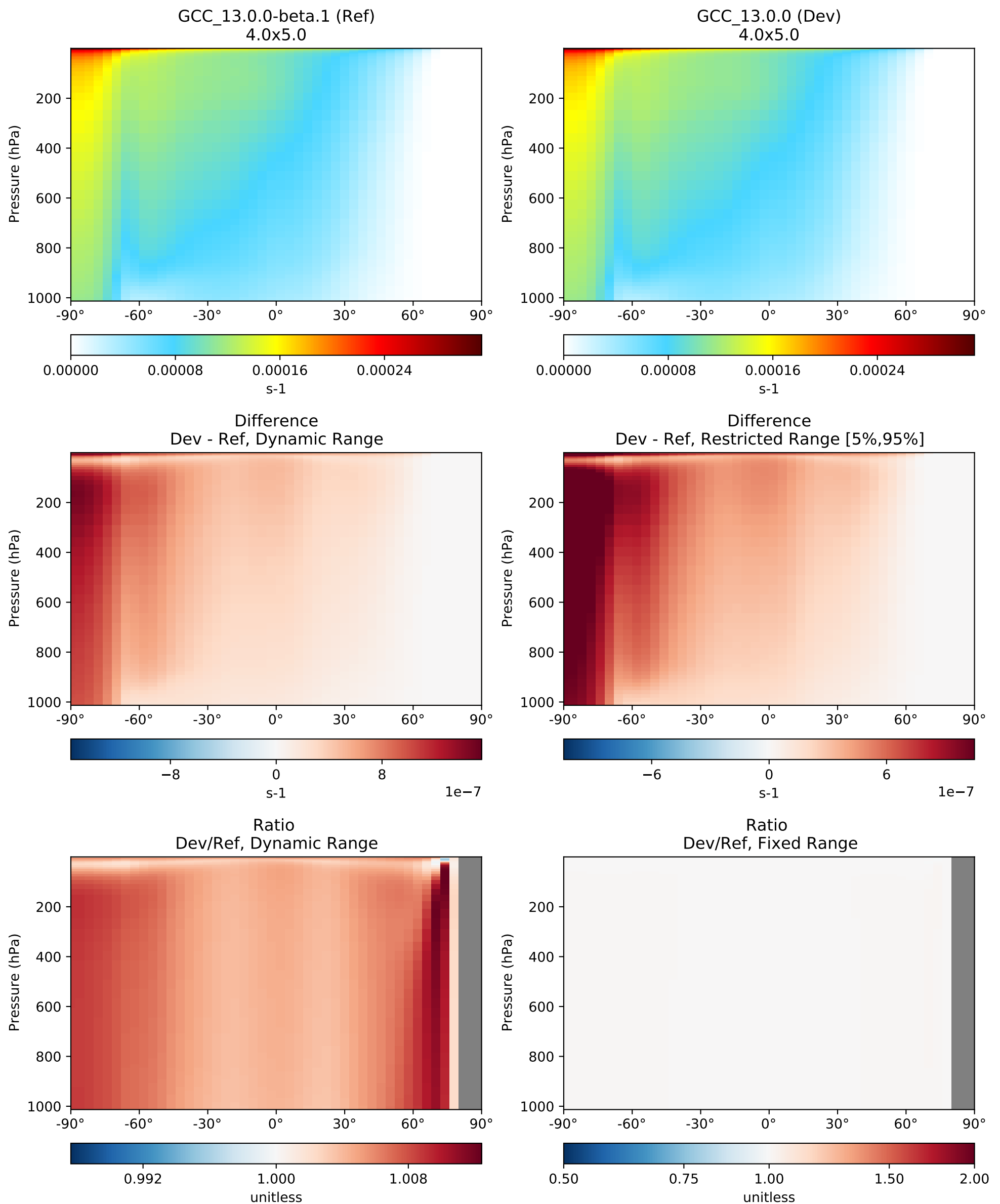


Ratio  
Dev/Ref, Fixed Range

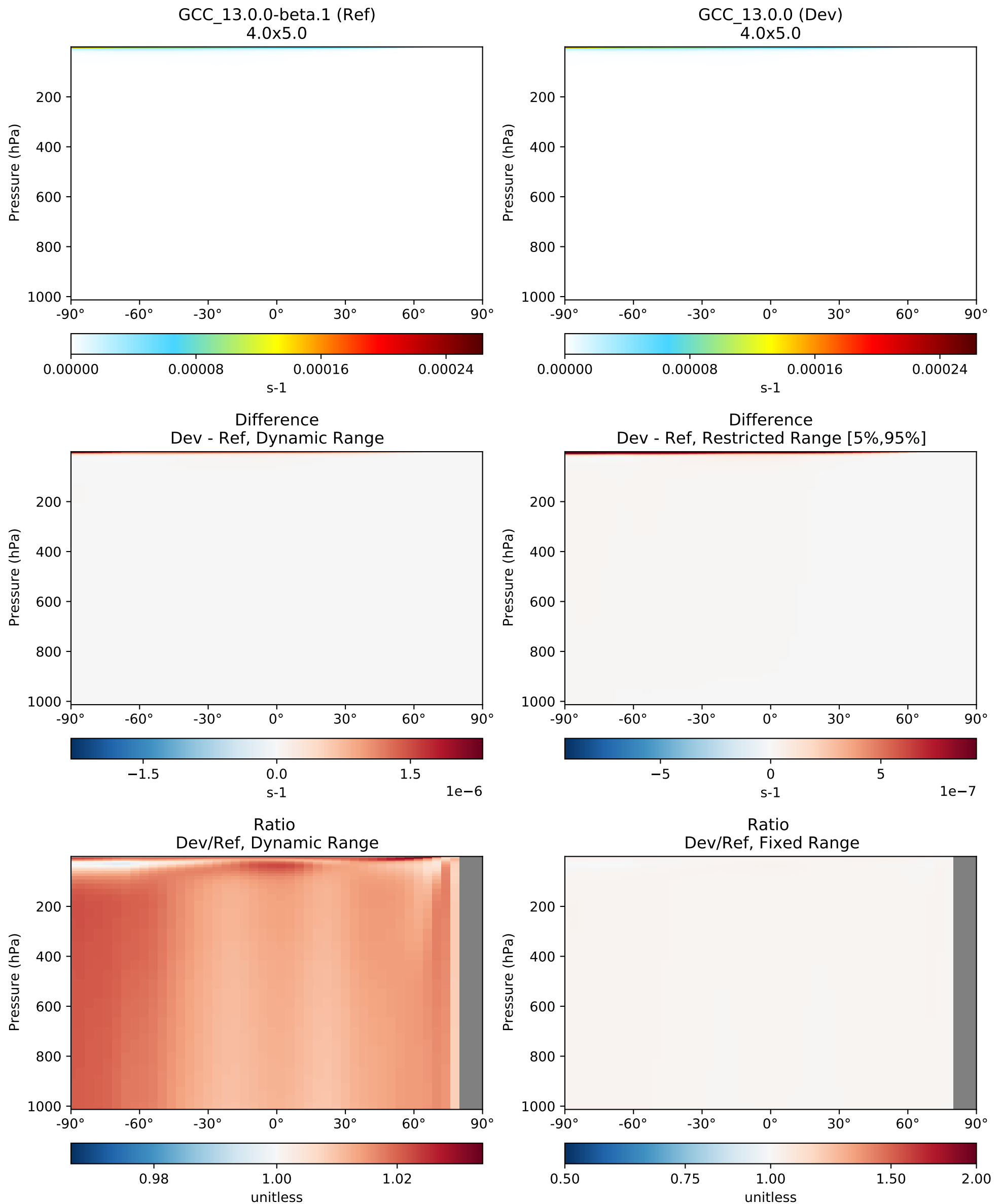




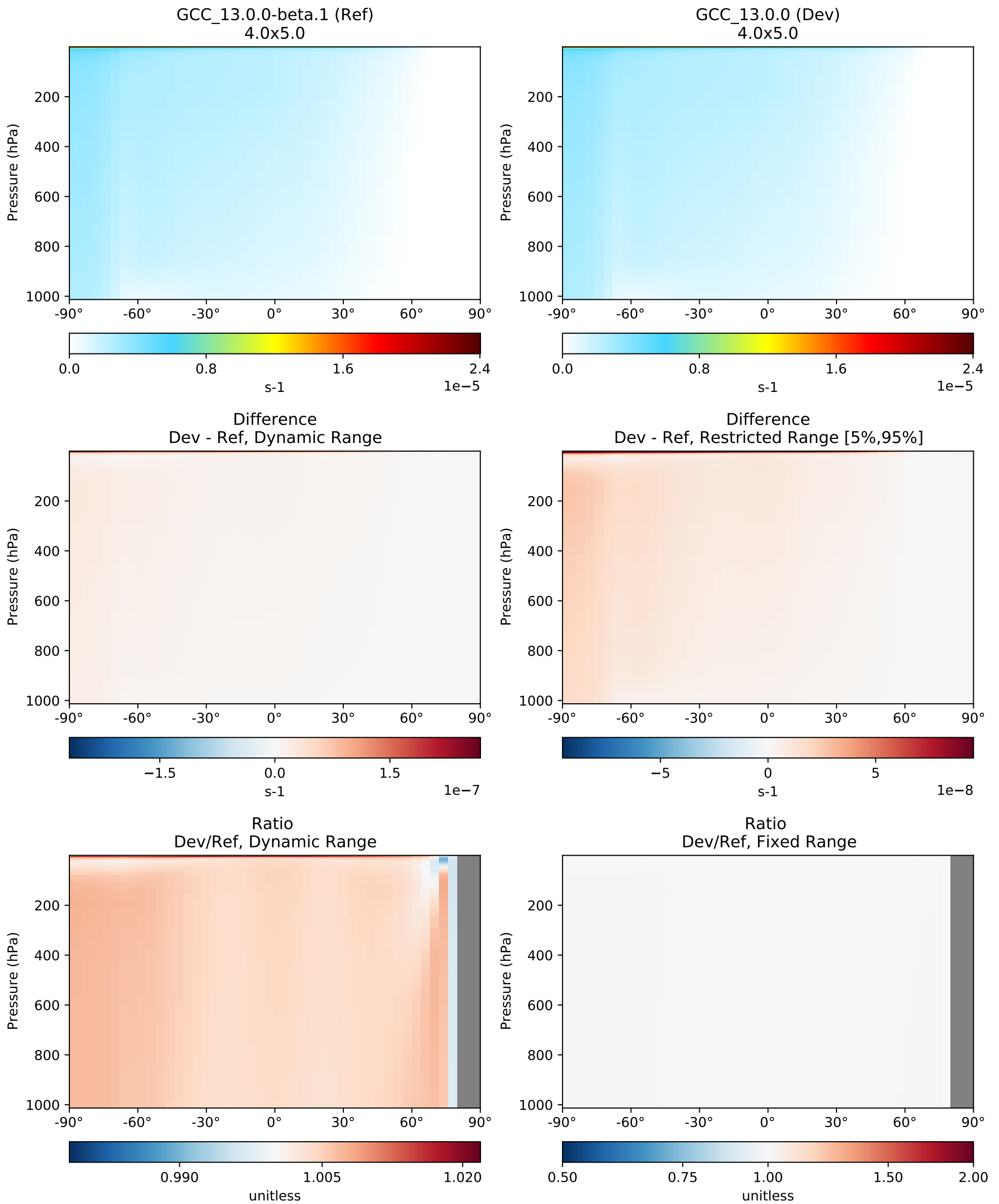
# Jval\_ETHLN, Zonal Mean (Jan2019)



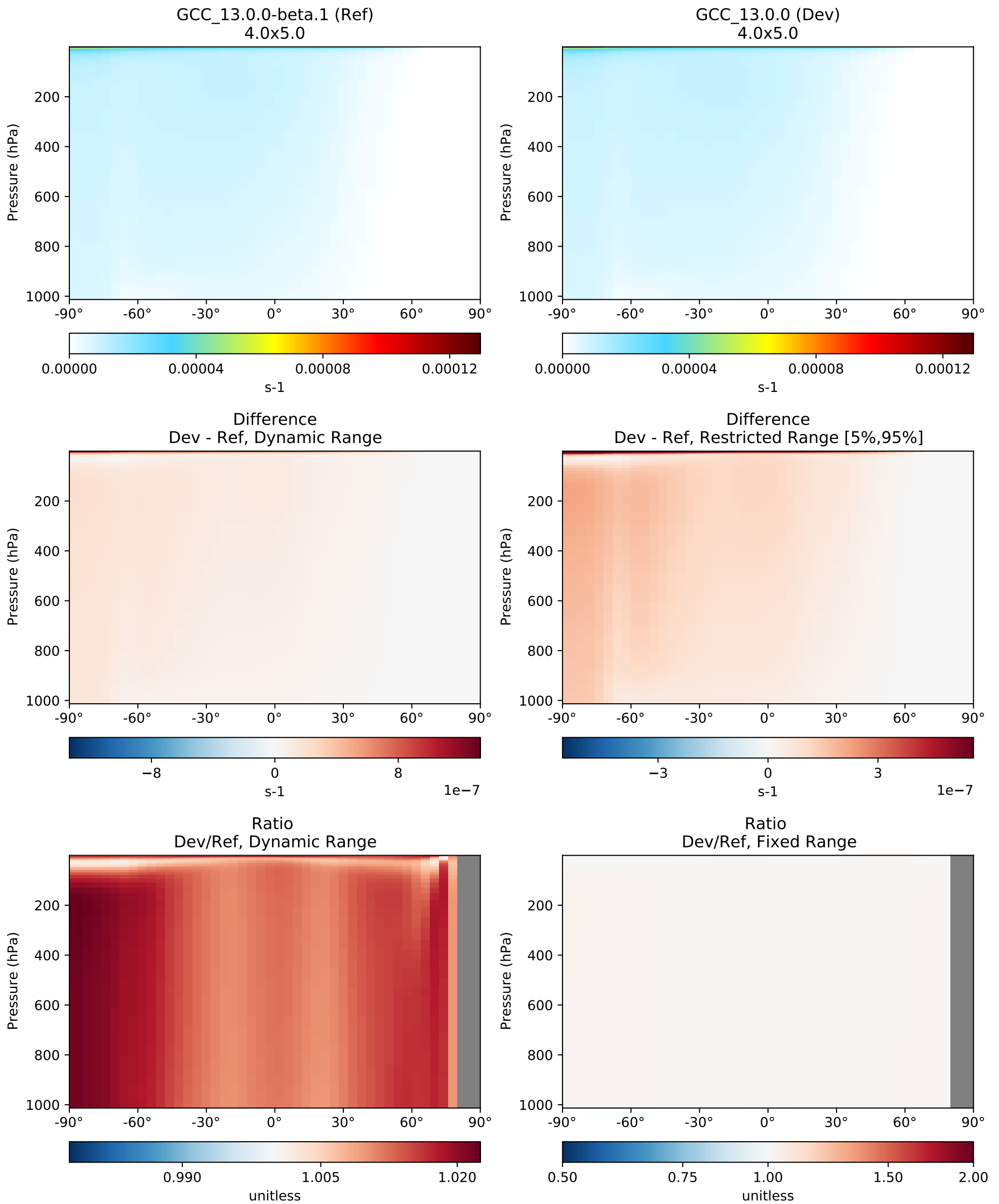
# Jval\_ETNO3, Zonal Mean (Jan2019)



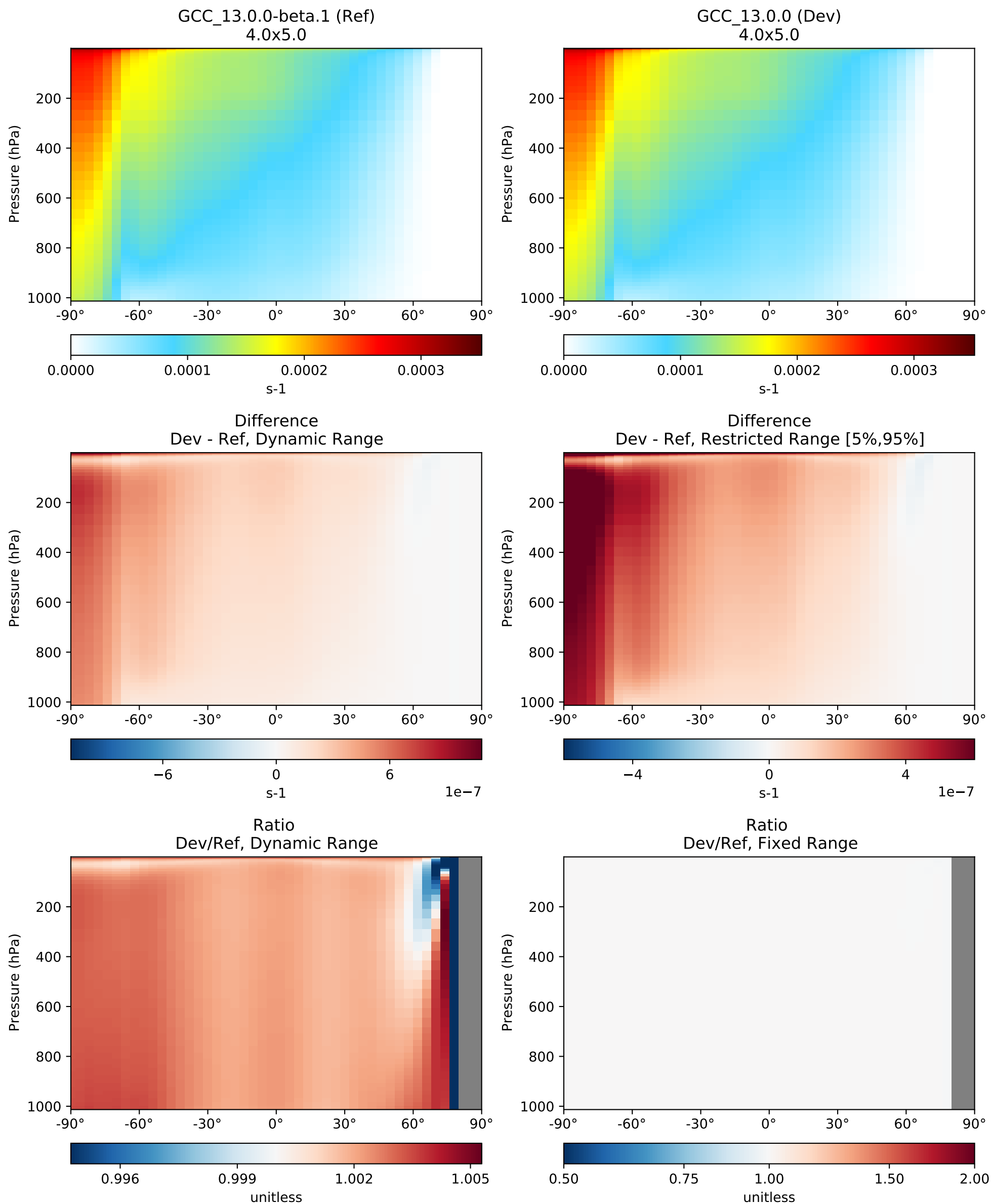
# Jval\_ETP, Zonal Mean (Jan2019)



# Jval\_GLYC, Zonal Mean (Jan2019)

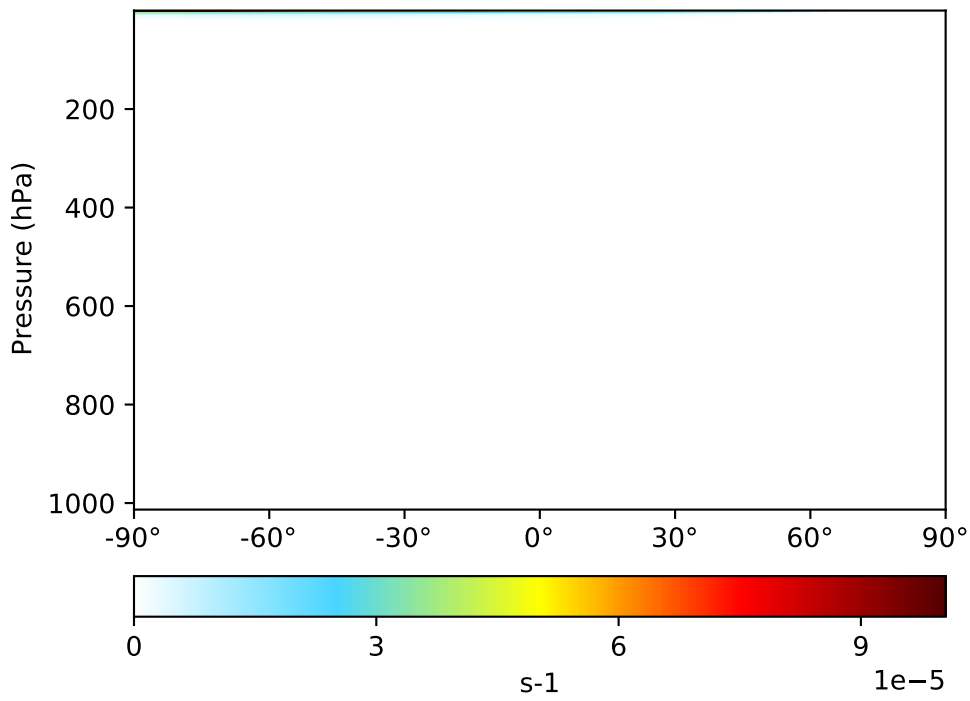


# Jval\_GLYX, Zonal Mean (Jan2019)

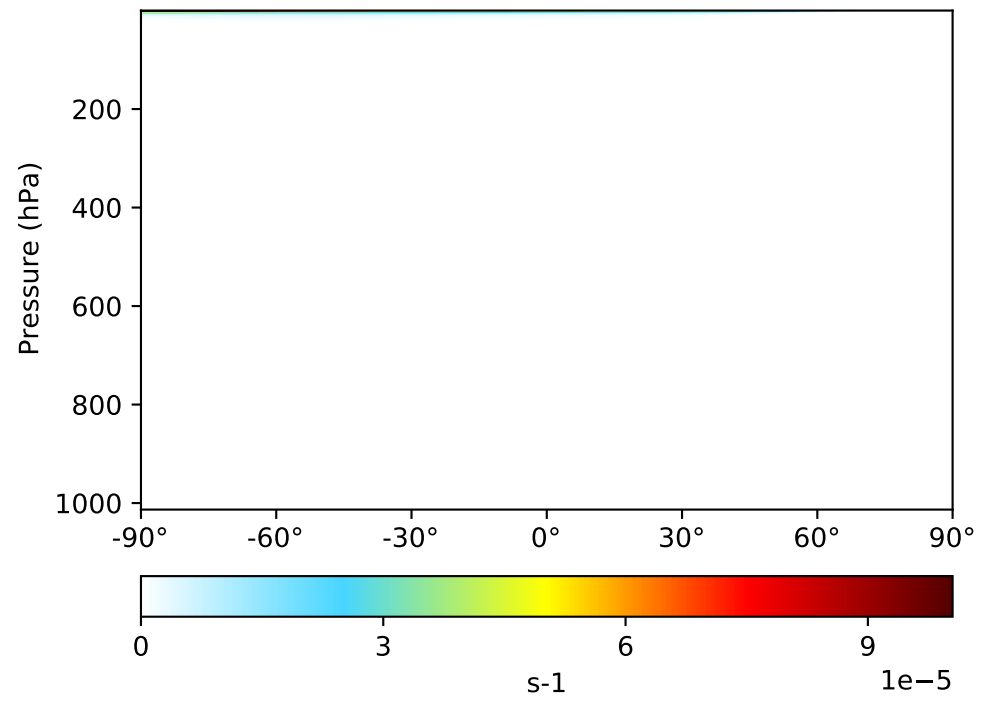


# Jval\_H1211, Zonal Mean (Jan2019)

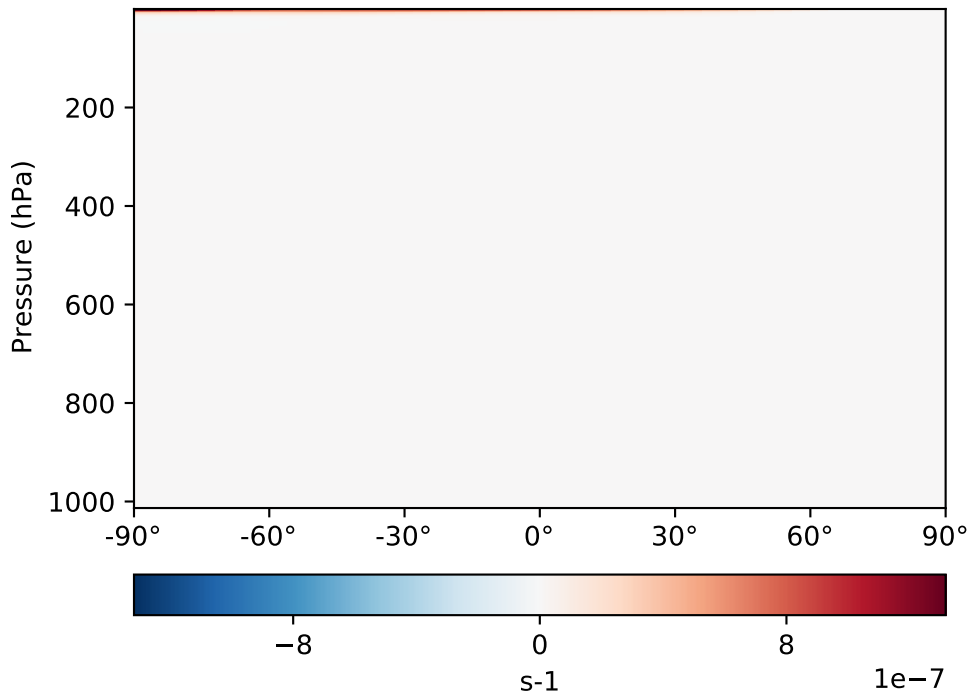
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



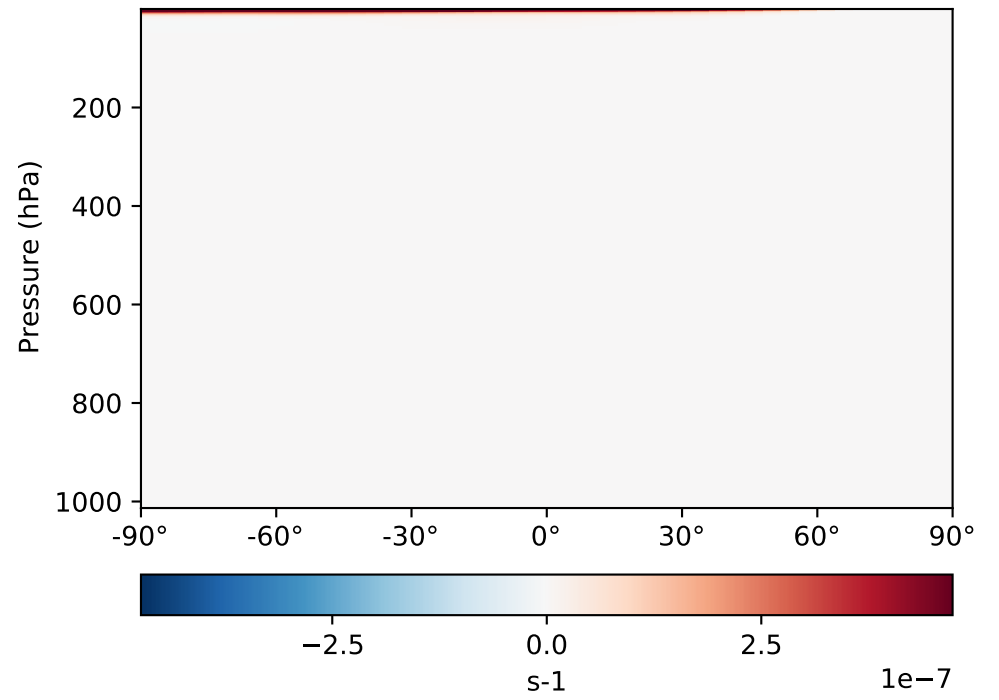
GCC\_13.0.0 (Dev)  
4.0x5.0



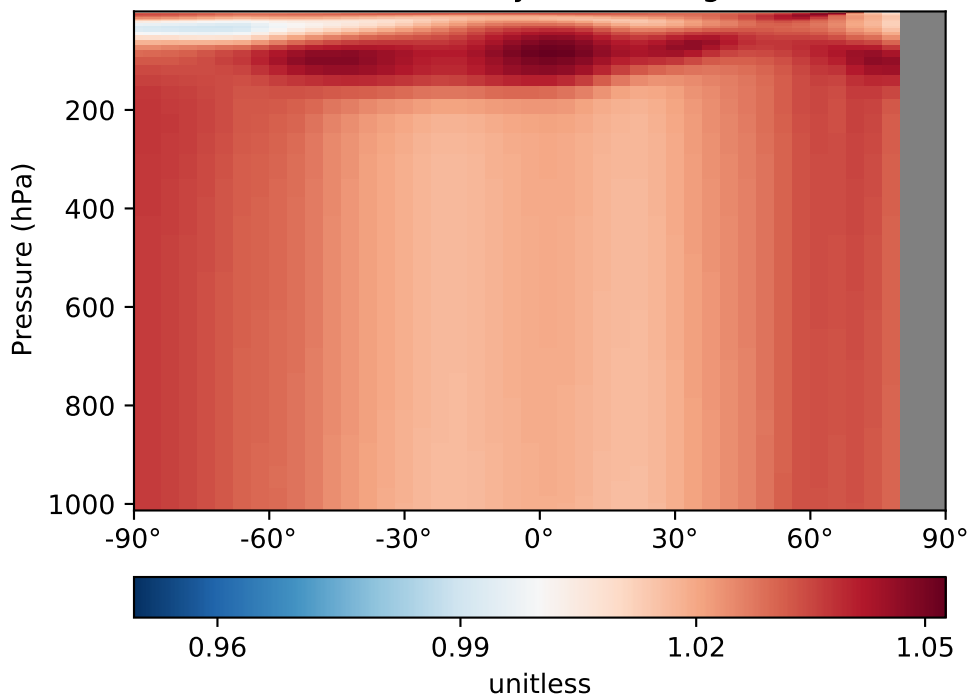
Difference  
Dev - Ref, Dynamic Range



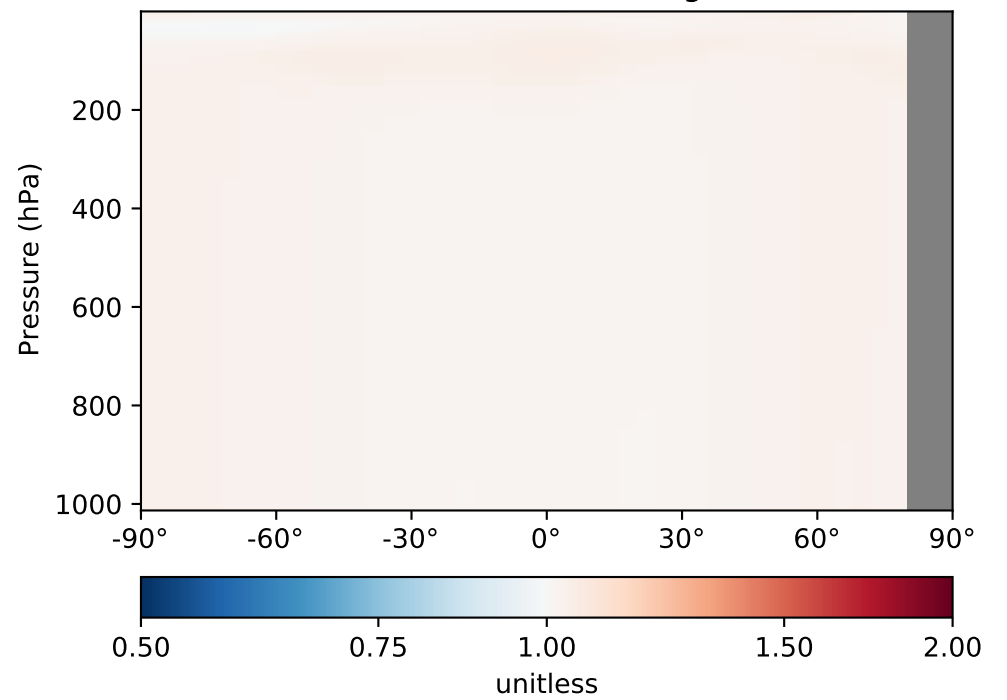
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

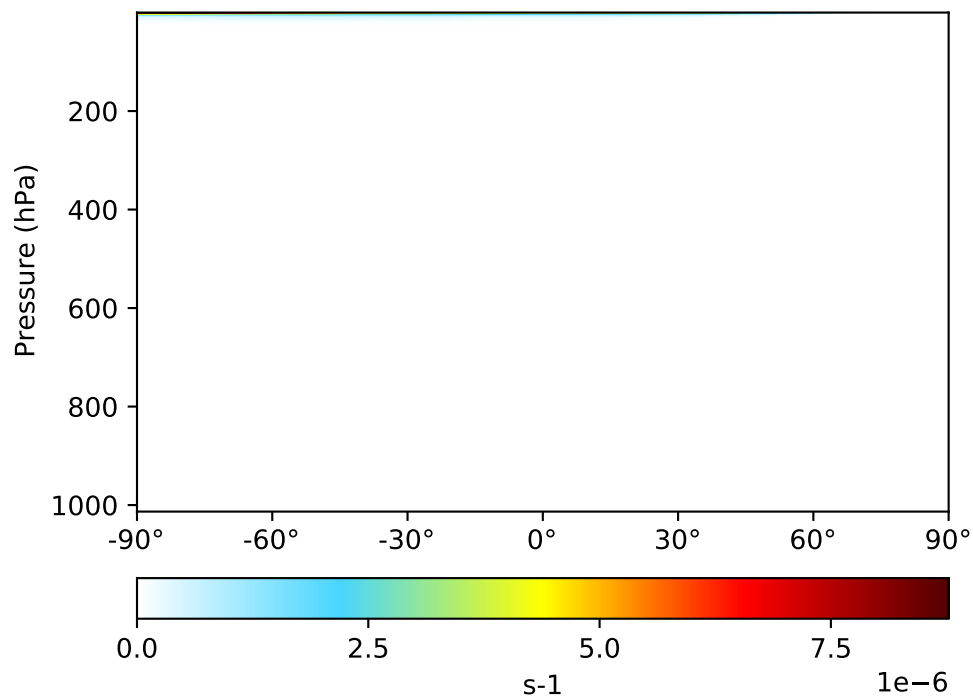


Ratio  
Dev/Ref, Fixed Range

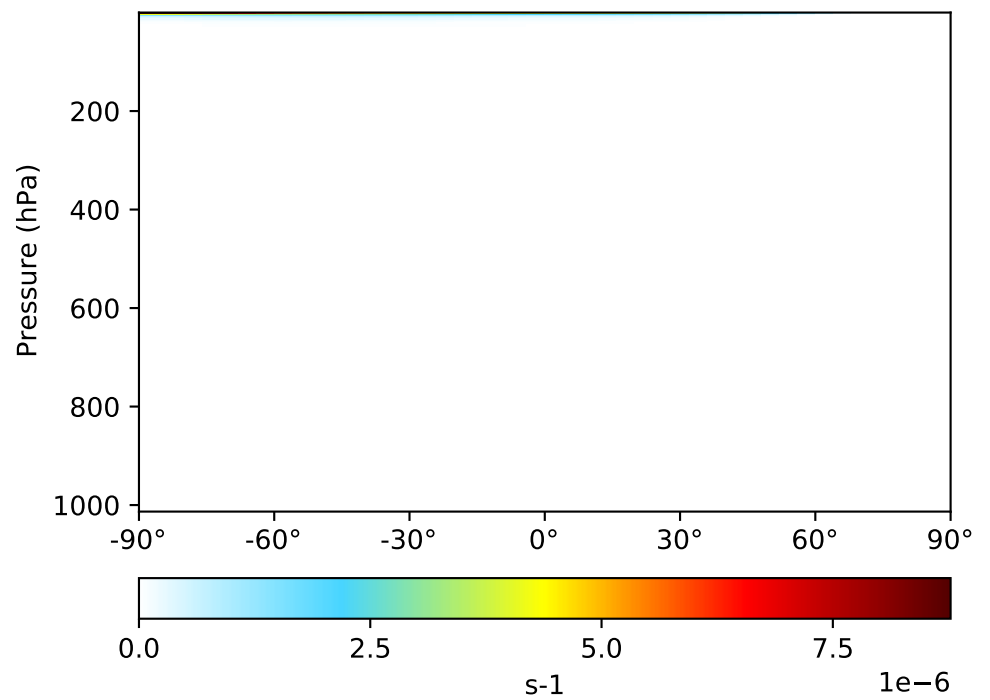


# Jval\_H1301, Zonal Mean (Jan2019)

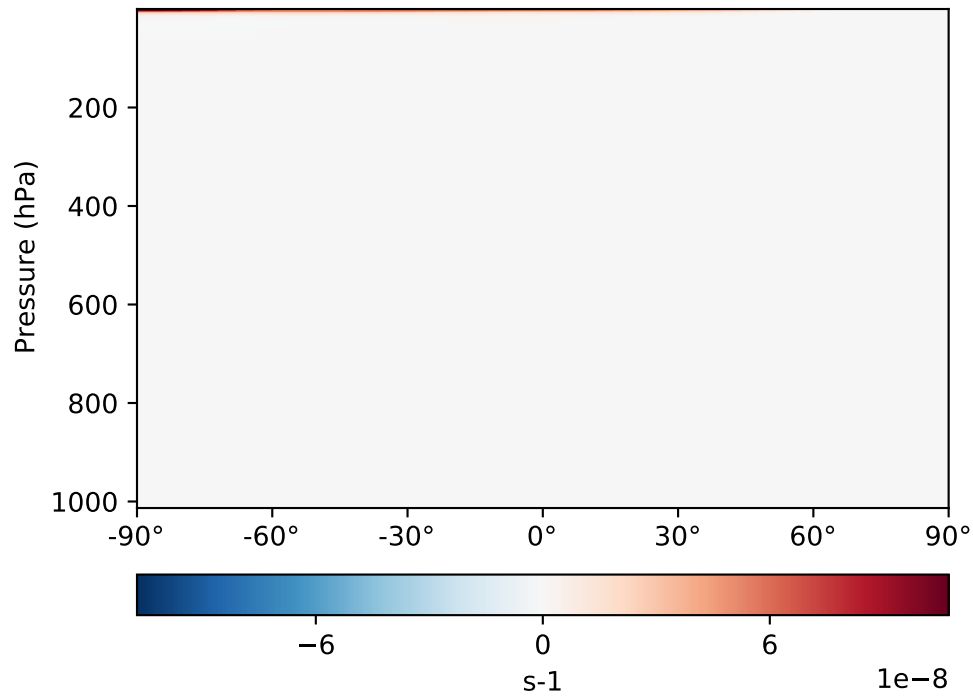
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



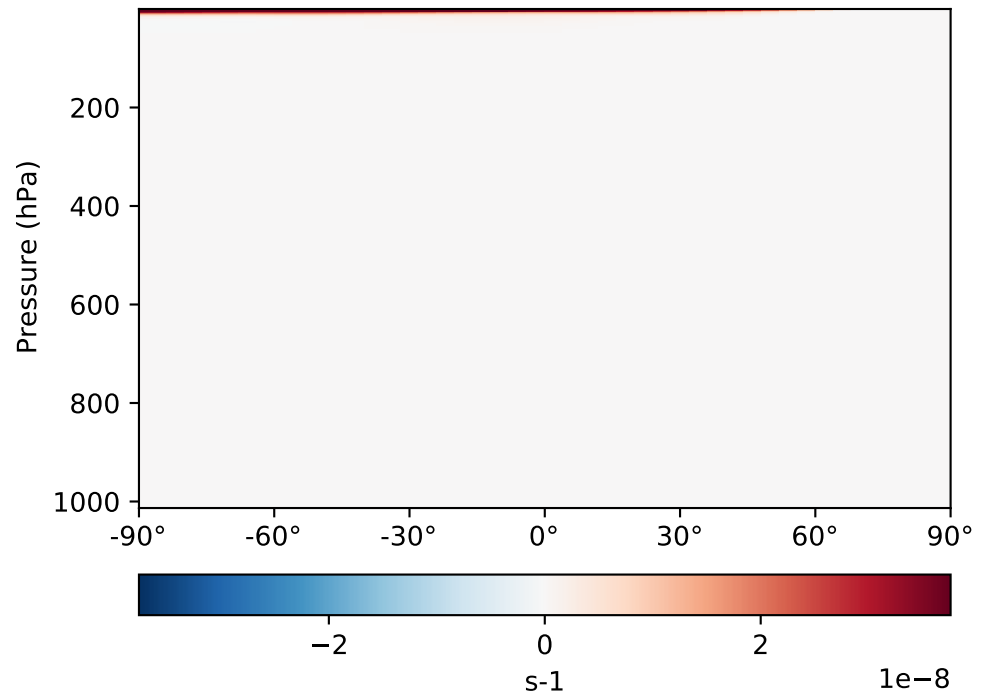
GCC\_13.0.0 (Dev)  
4.0x5.0



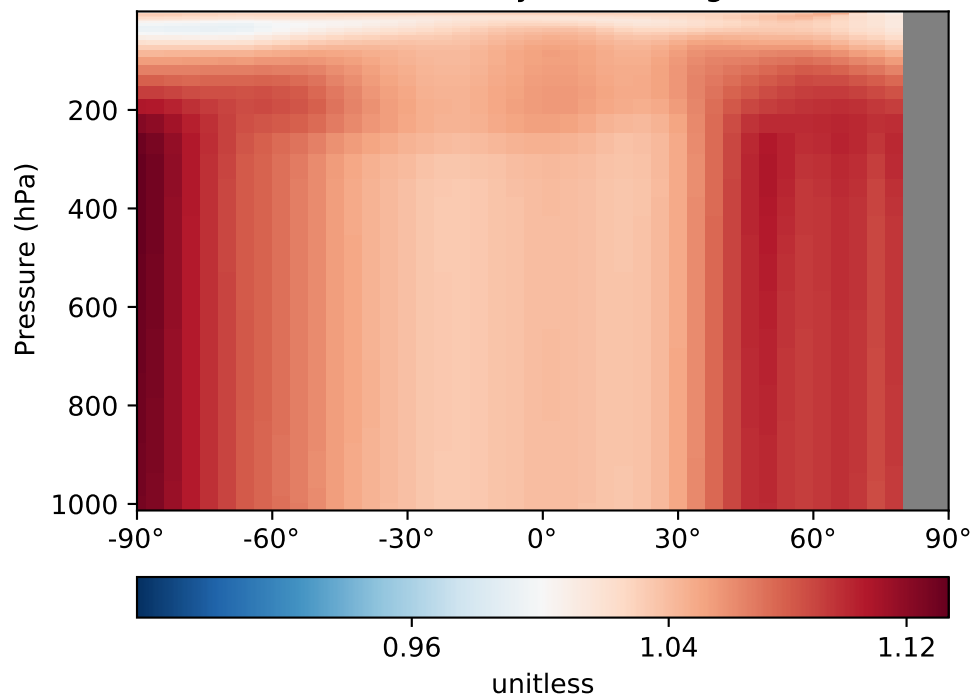
Difference  
Dev - Ref, Dynamic Range



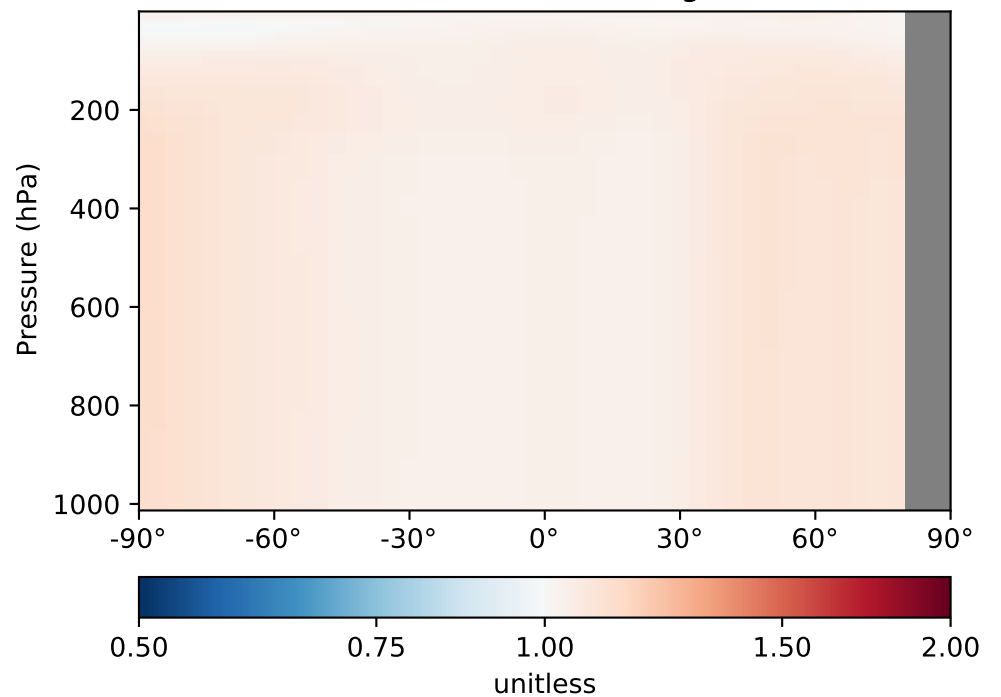
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

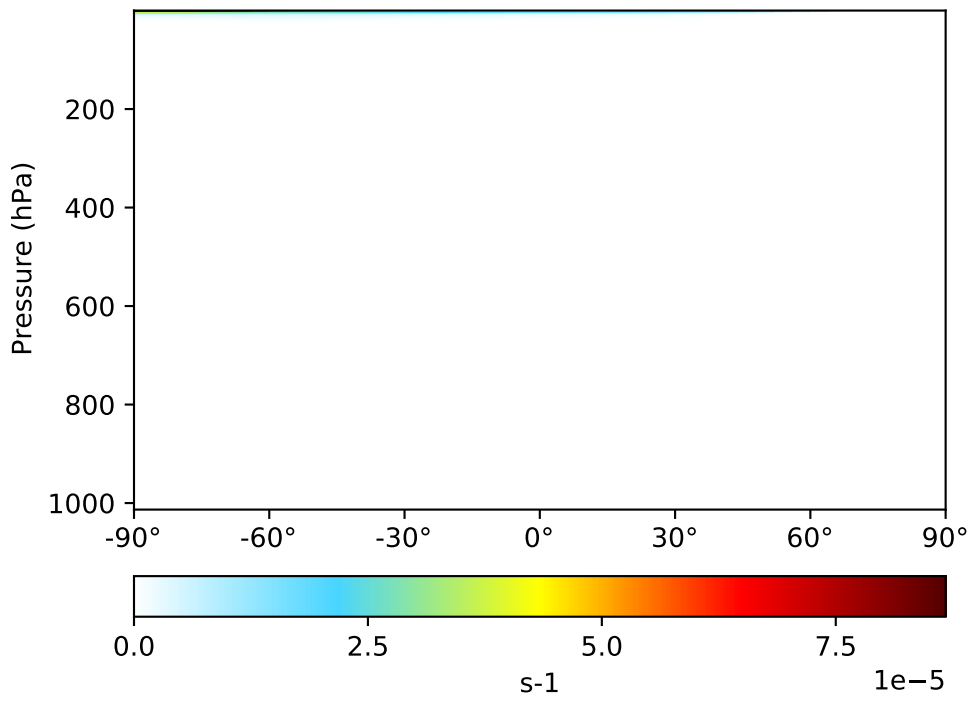


Ratio  
Dev/Ref, Fixed Range

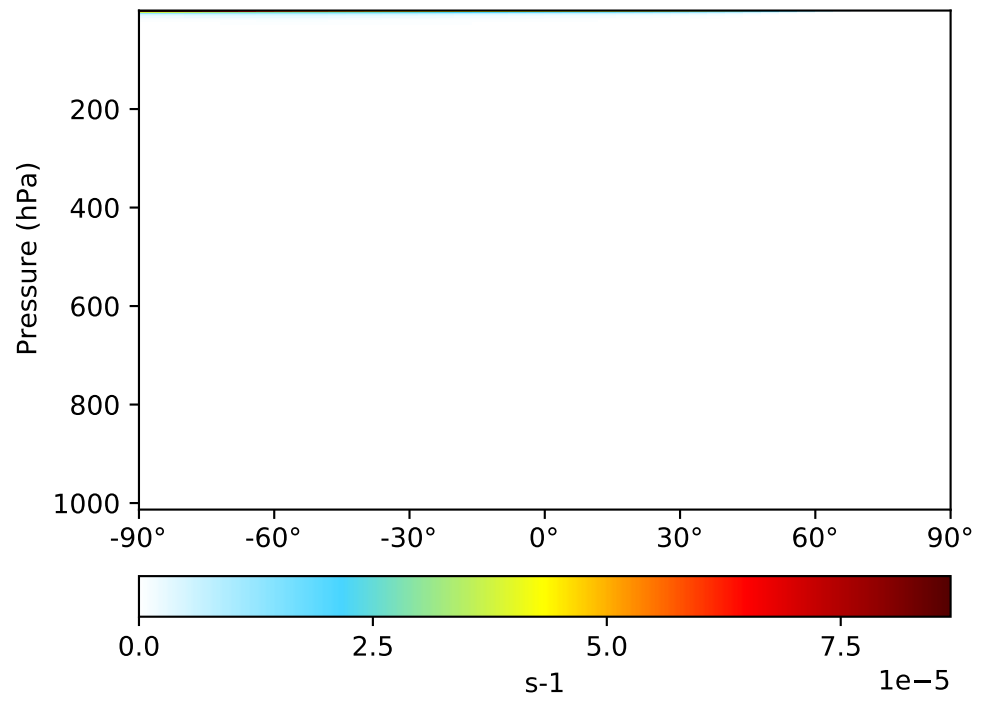


# Jval\_H2402, Zonal Mean (Jan2019)

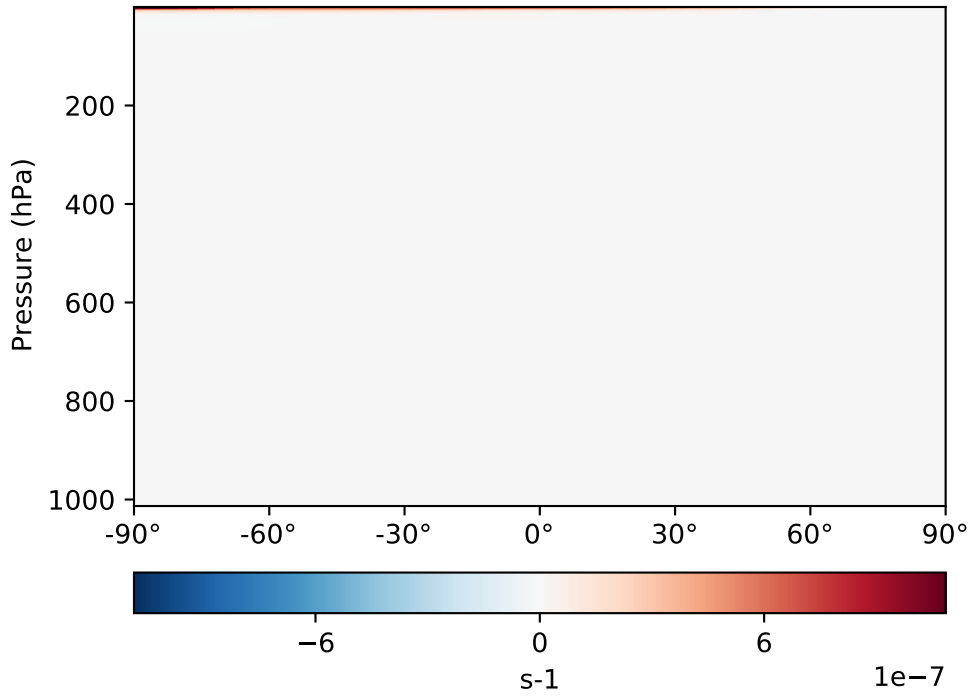
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



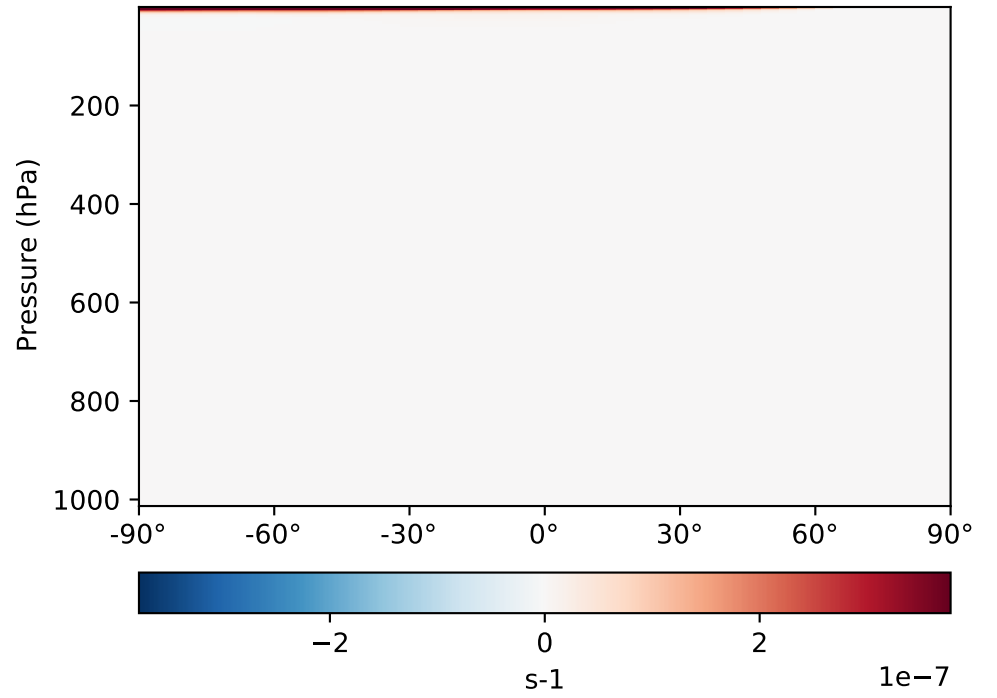
GCC\_13.0.0 (Dev)  
4.0x5.0



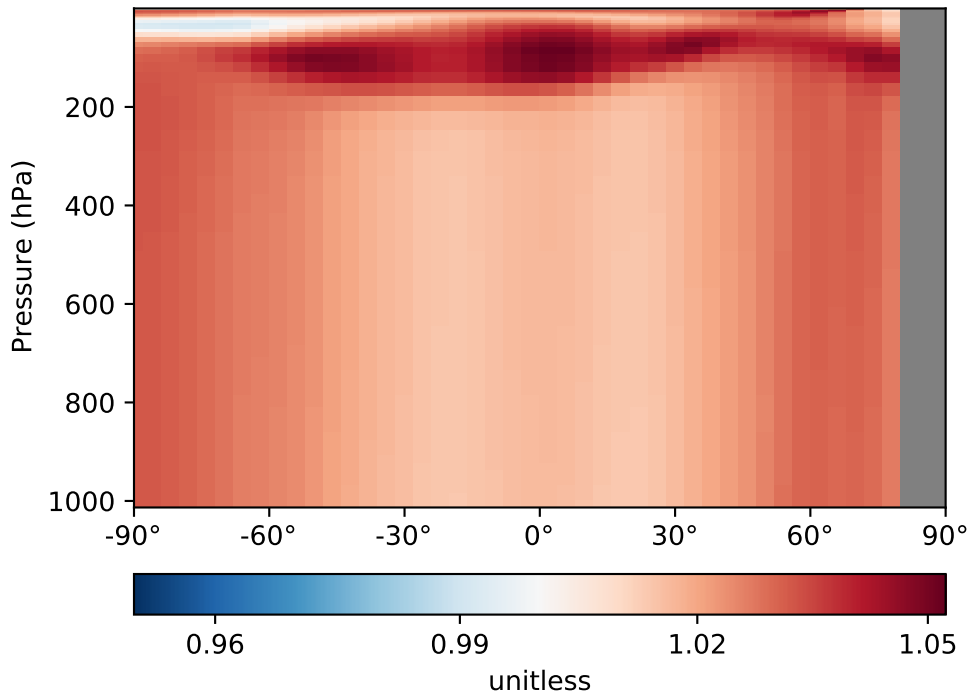
Difference  
Dev - Ref, Dynamic Range



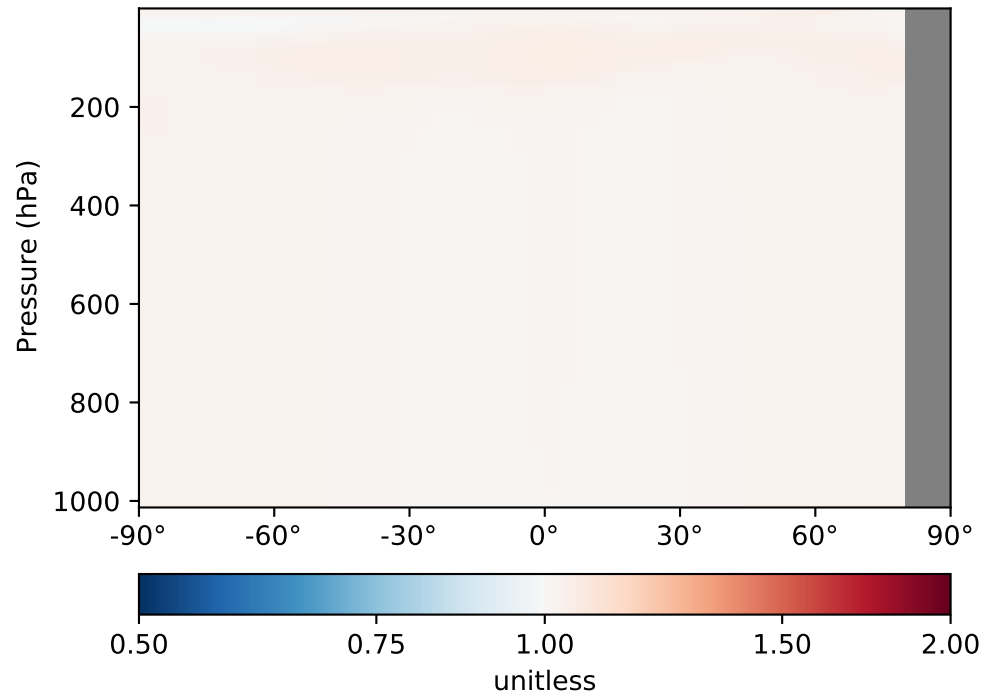
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



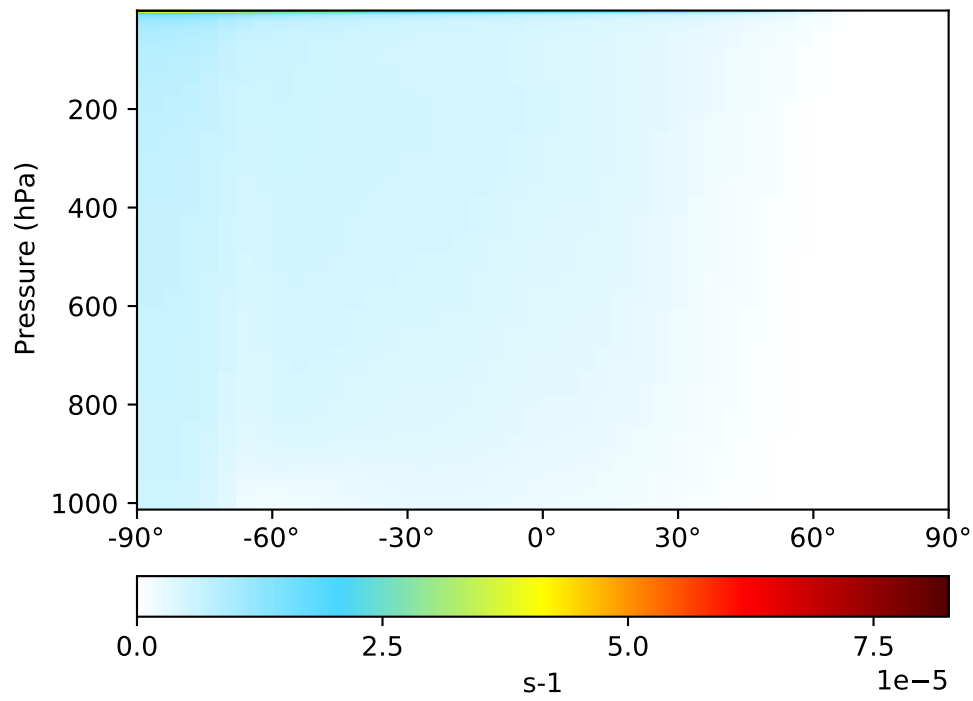
Ratio  
Dev/Ref, Fixed Range



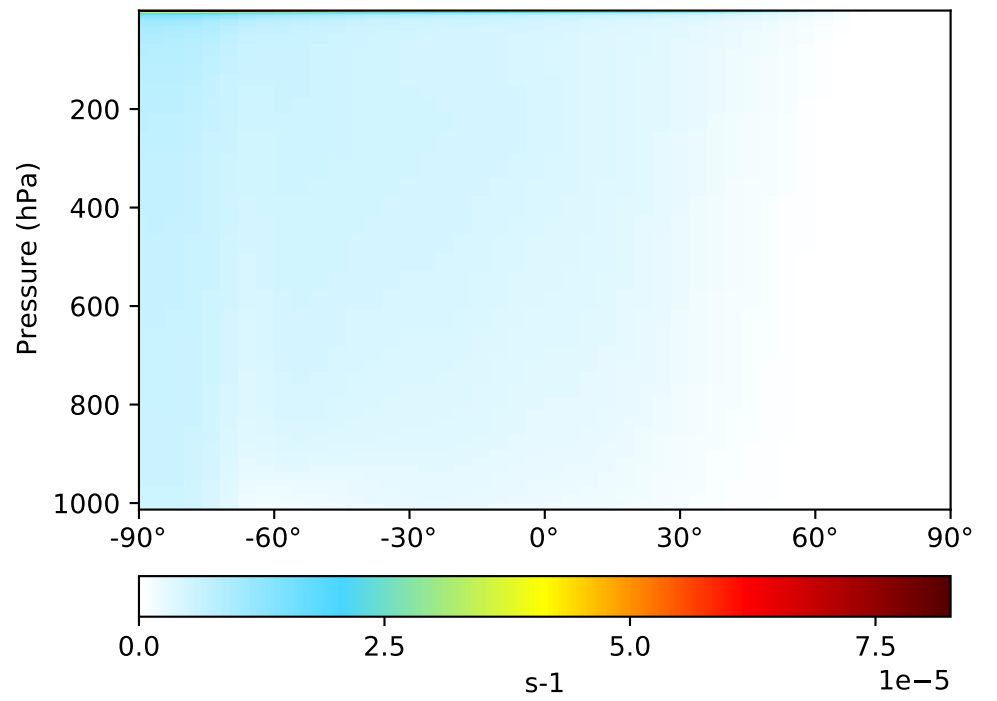


# Jval\_H2O2, Zonal Mean (Jan2019)

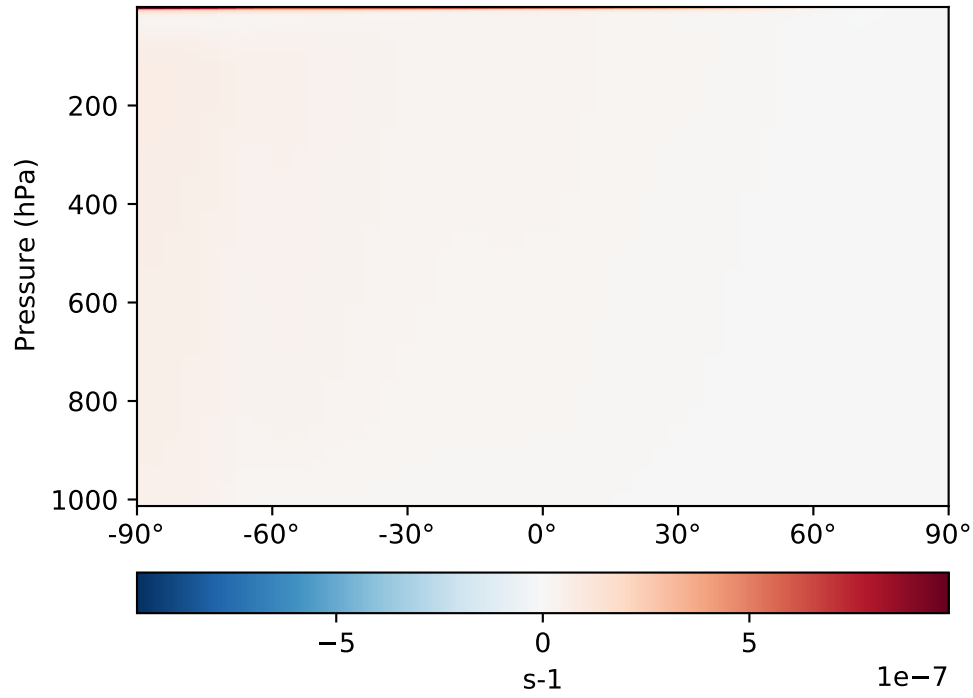
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



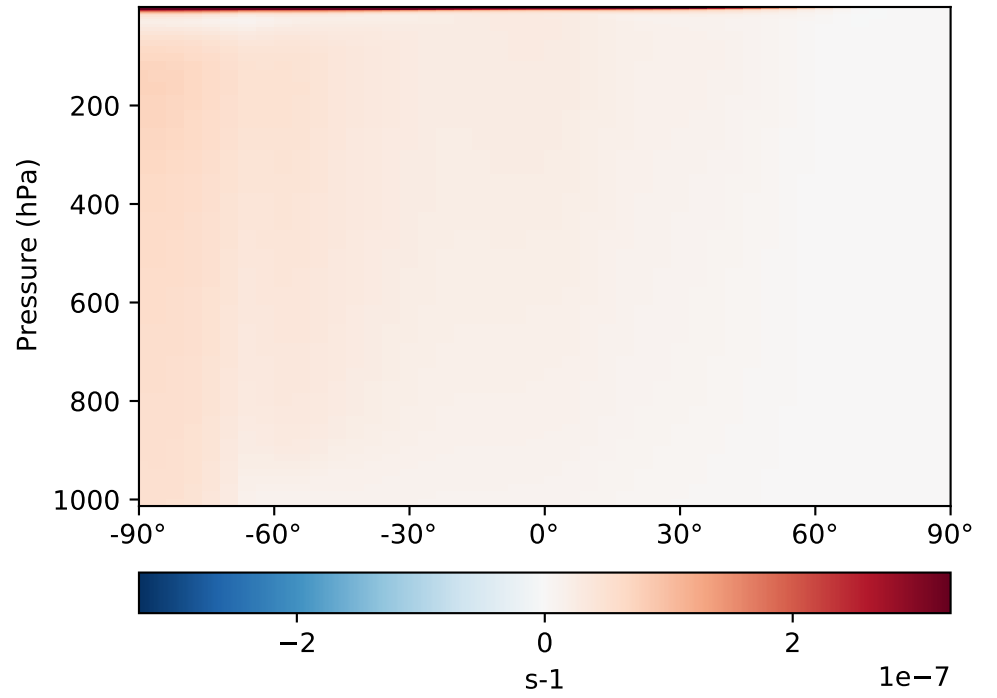
GCC\_13.0.0 (Dev)  
4.0x5.0



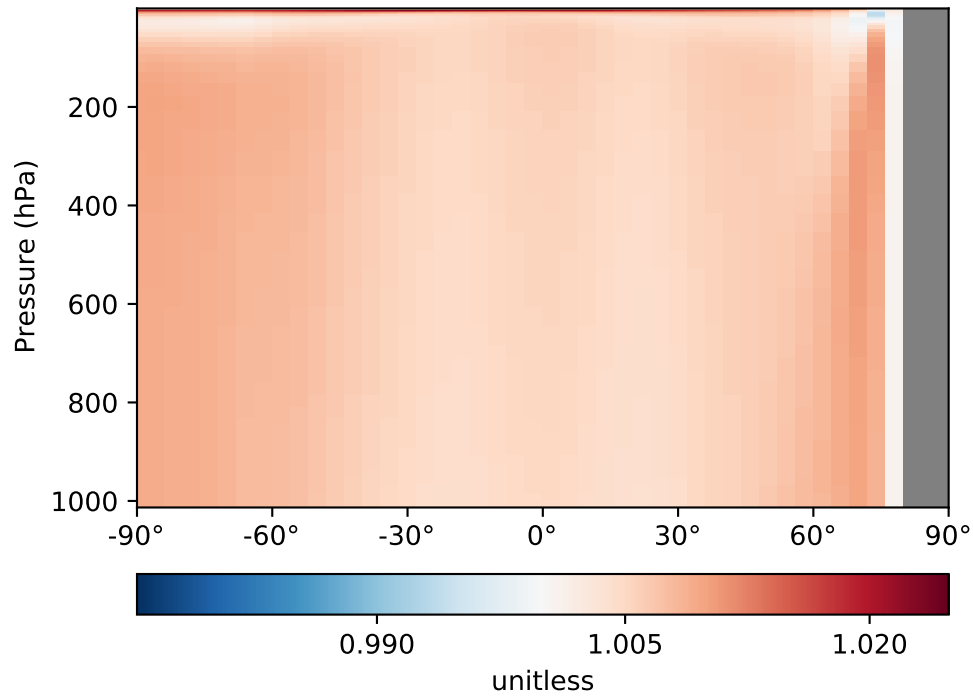
Difference  
Dev - Ref, Dynamic Range



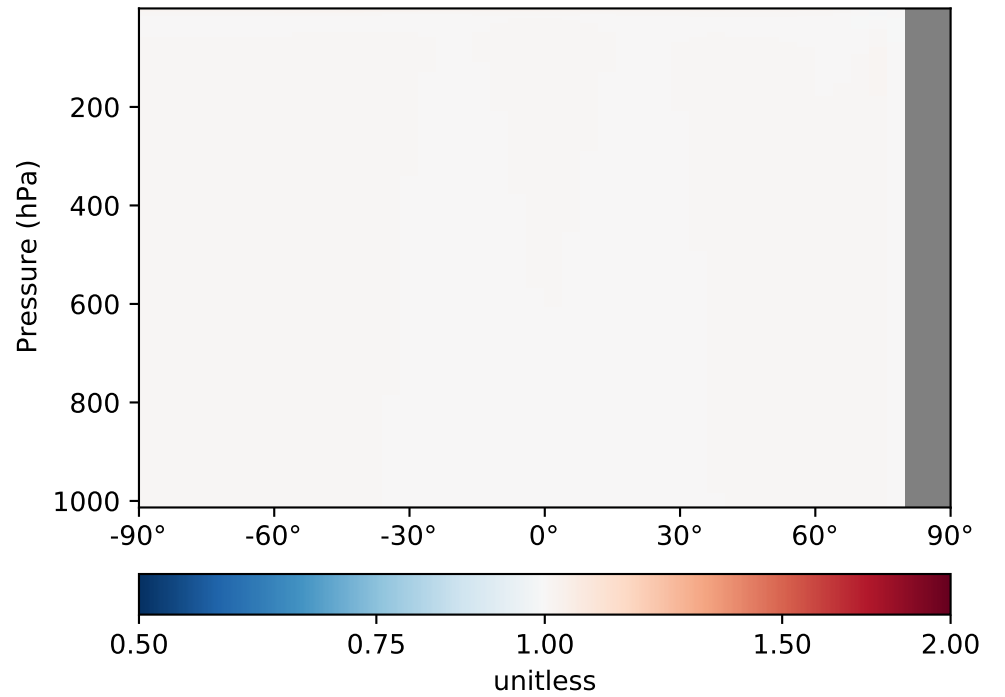
Difference  
Dev - Ref, Restricted Range [5%,95%]



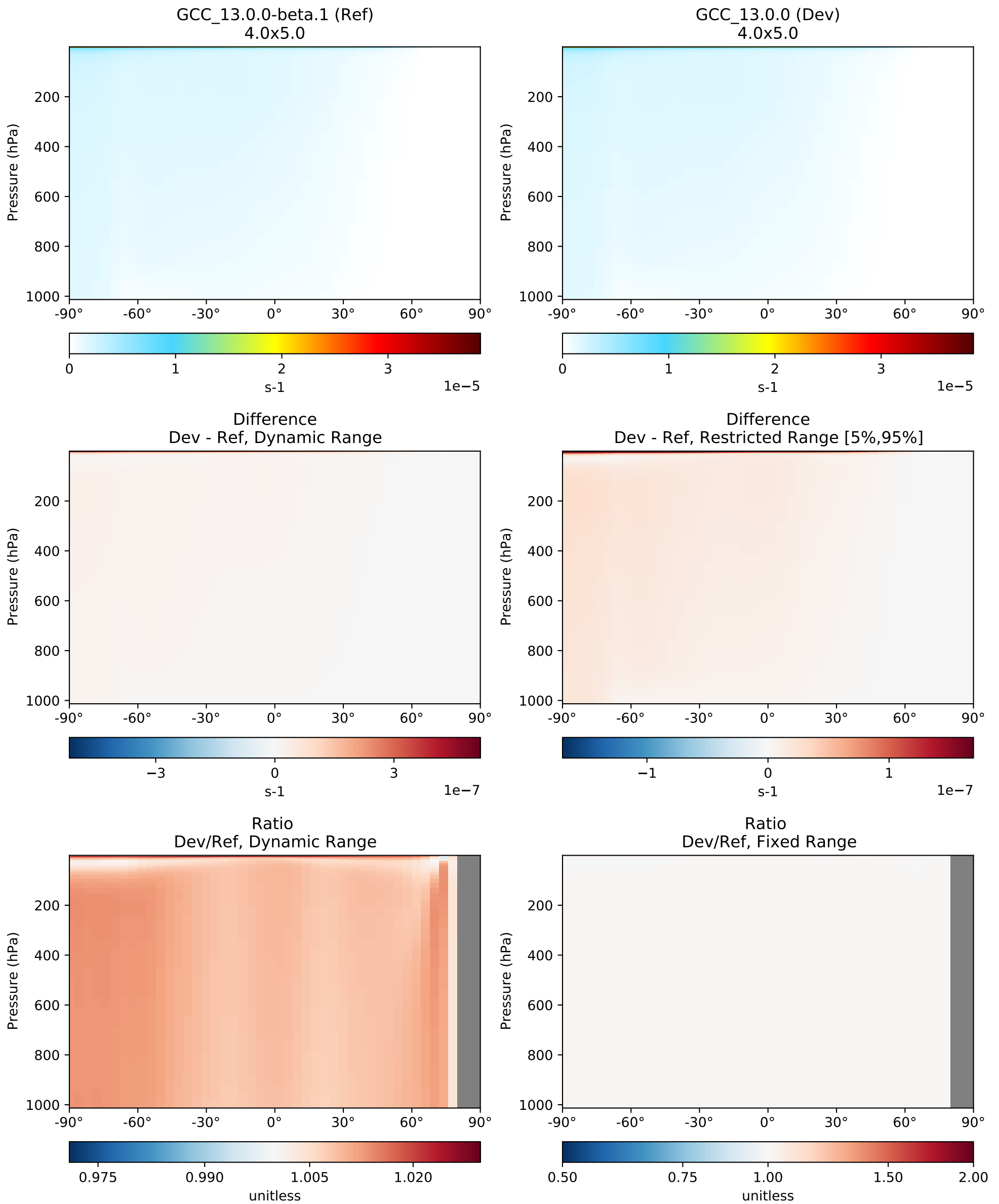
Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

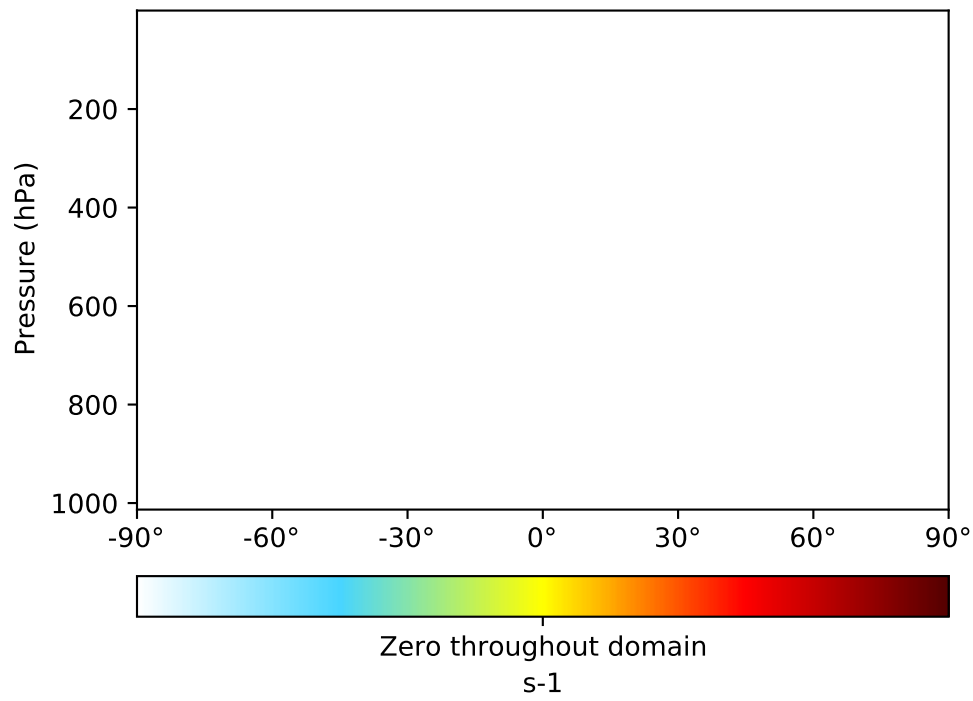


# Jval\_HAC, Zonal Mean (Jan2019)

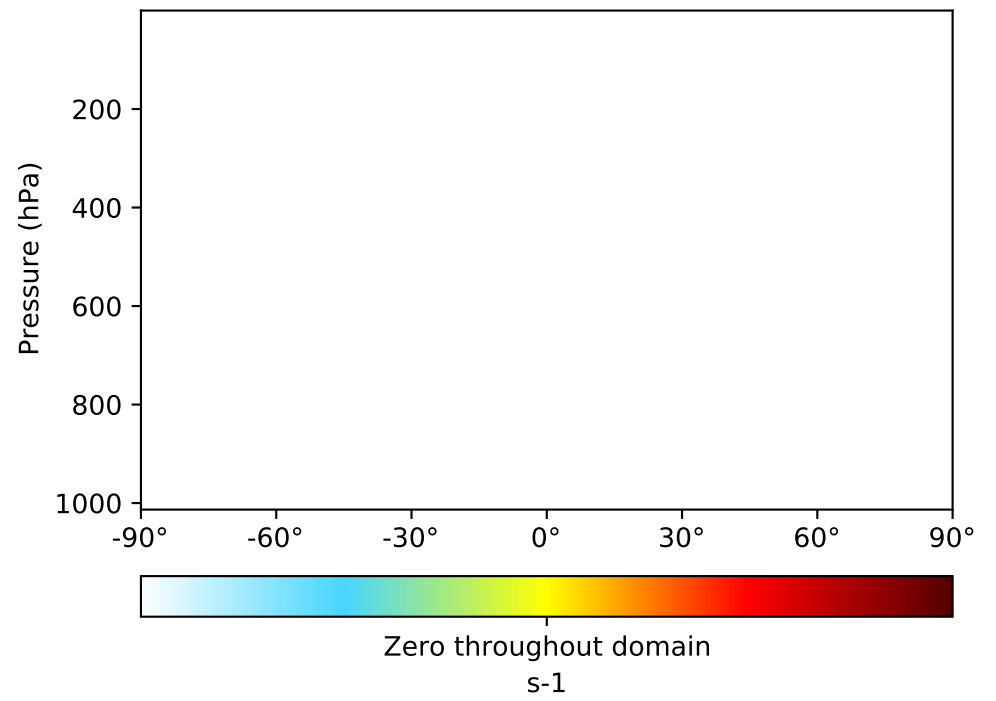


# Jval\_HC5A, Zonal Mean (Jan2019)

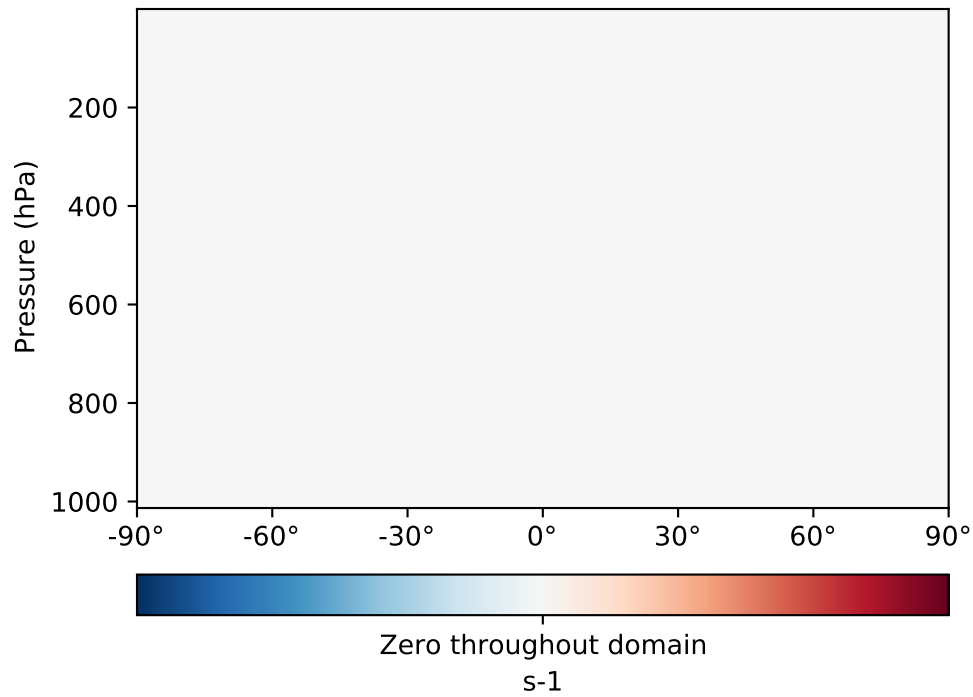
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



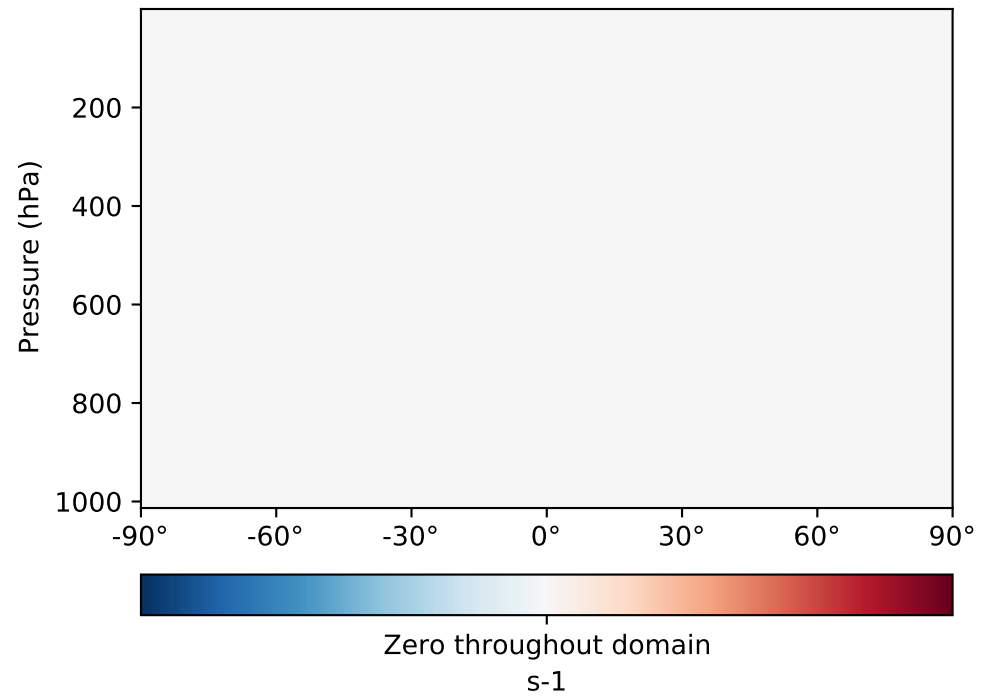
GCC\_13.0.0 (Dev)  
4.0x5.0



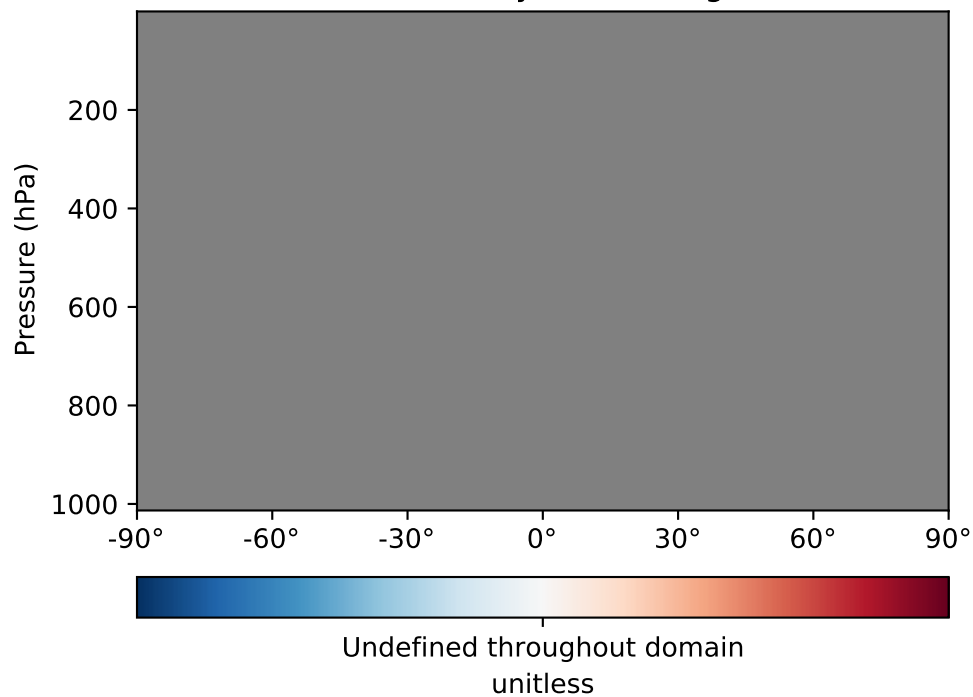
Difference  
Dev - Ref, Dynamic Range



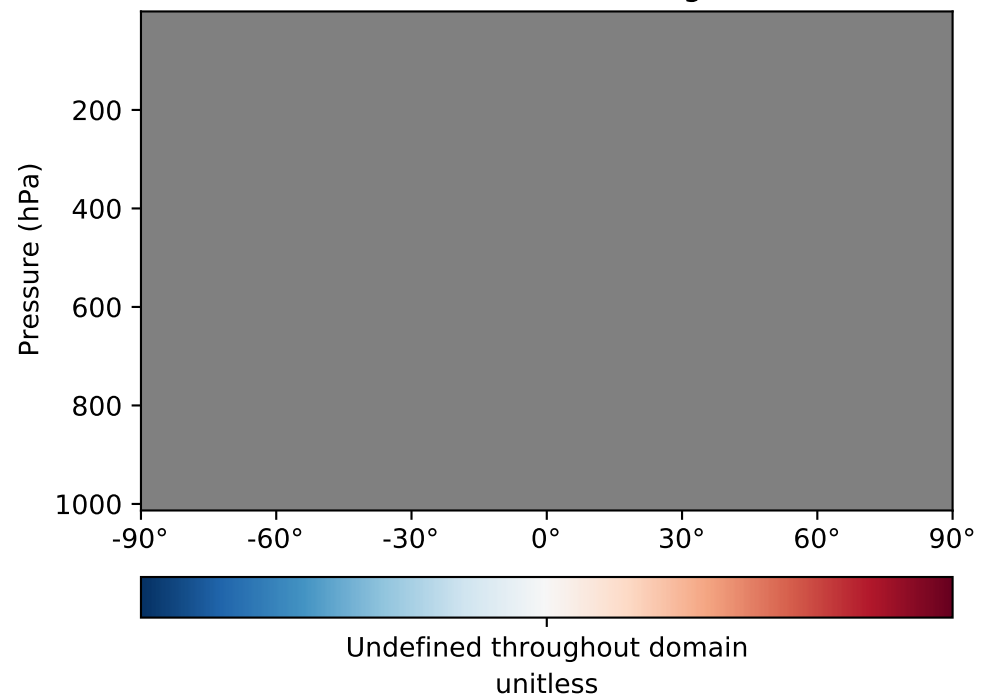
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

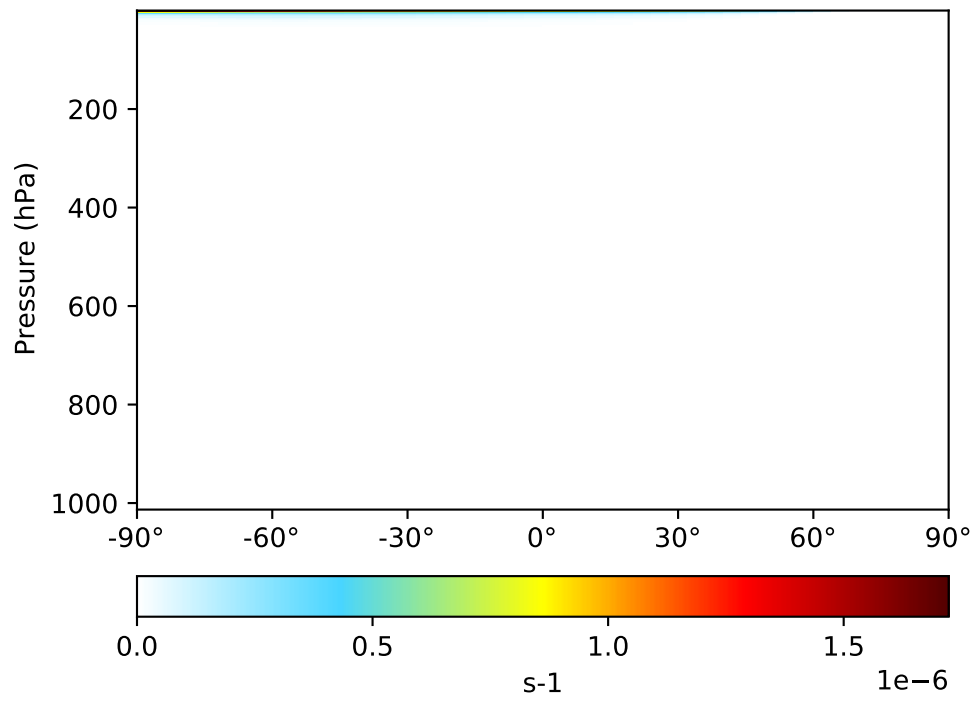


Ratio  
Dev/Ref, Fixed Range

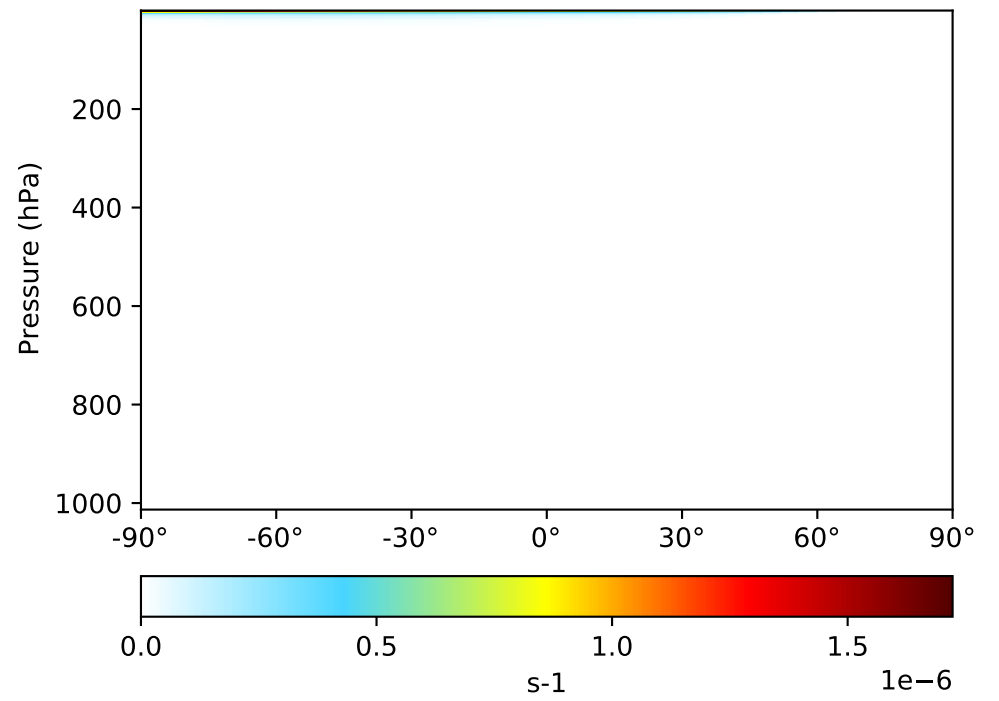


# Jval\_HCFC123, Zonal Mean (Jan2019)

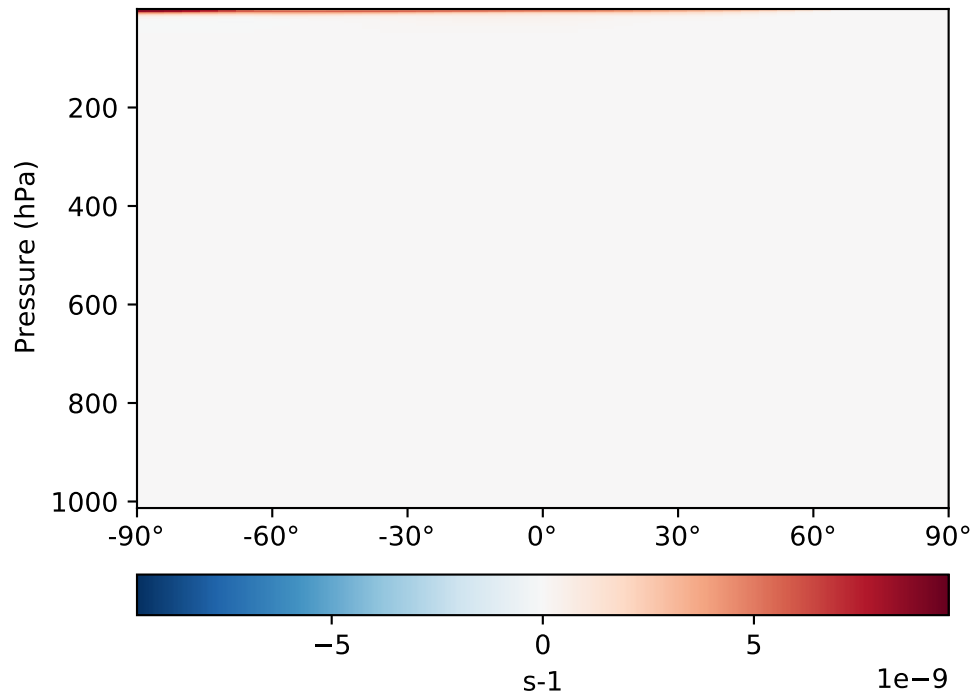
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



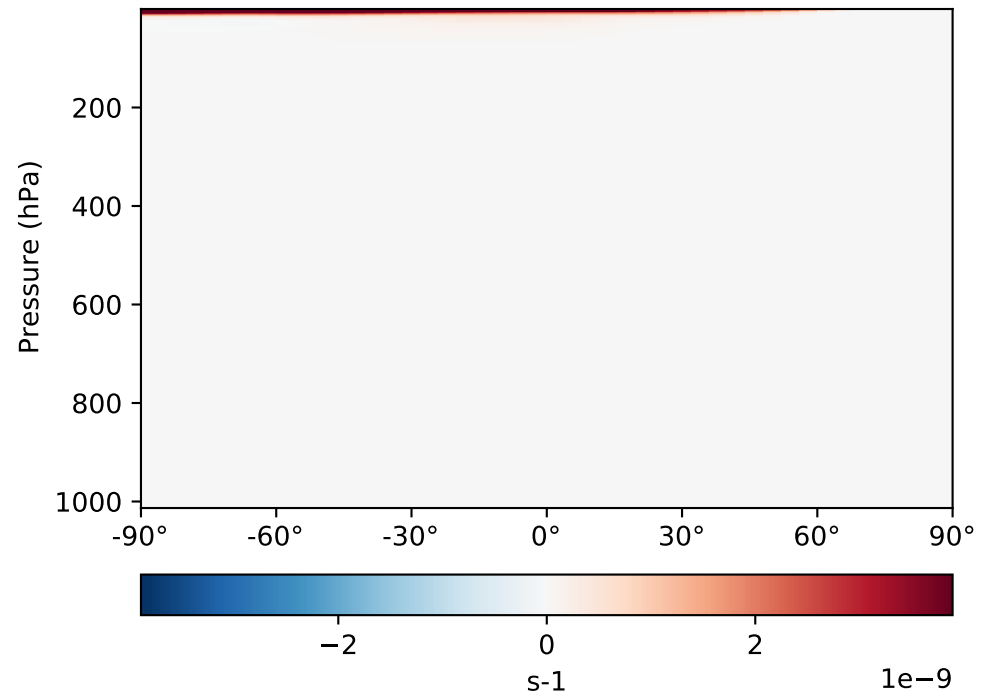
GCC\_13.0.0 (Dev)  
4.0x5.0



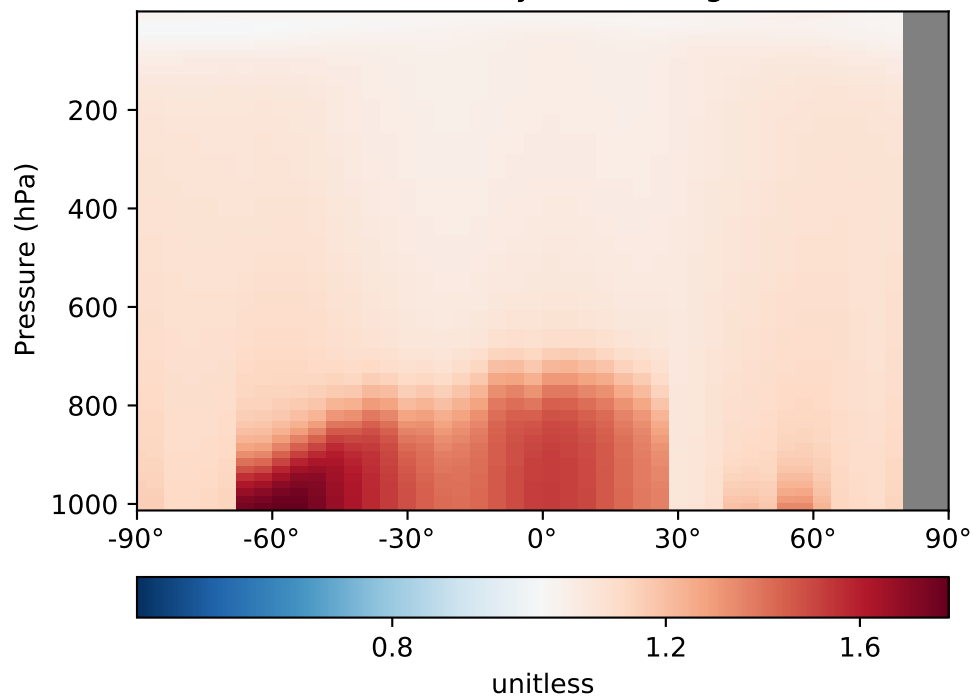
Difference  
Dev - Ref, Dynamic Range



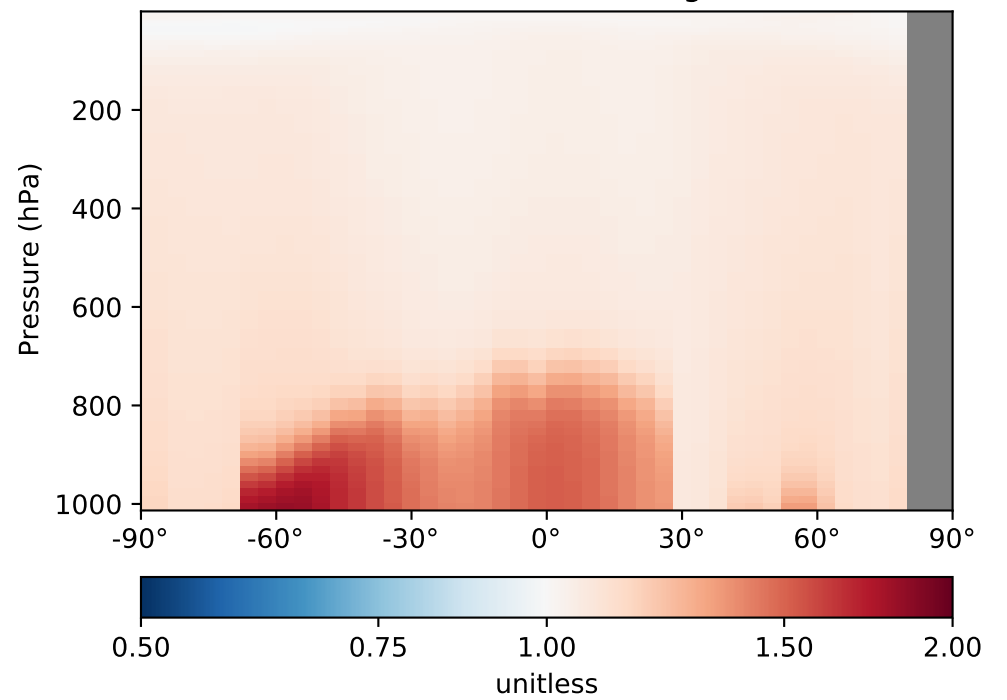
Difference  
Dev - Ref, Restricted Range [5%,95%]



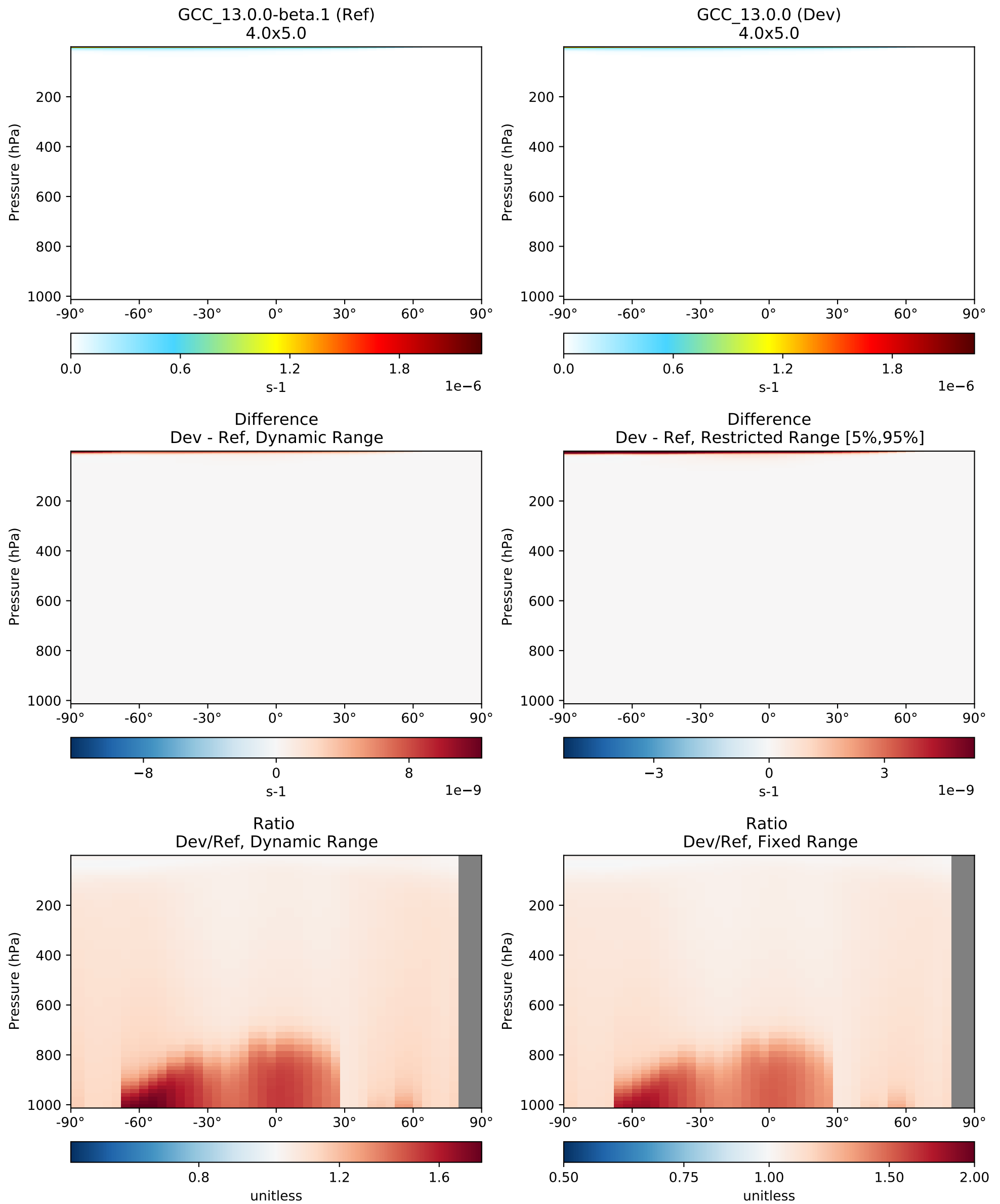
Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

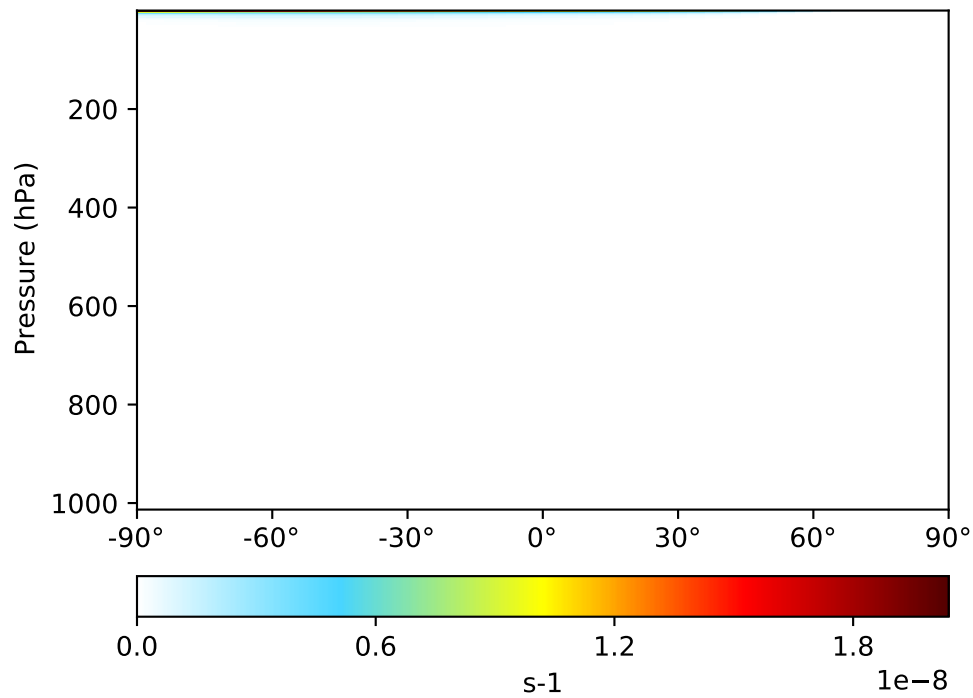


# Jval\_HCFC141b, Zonal Mean (Jan2019)

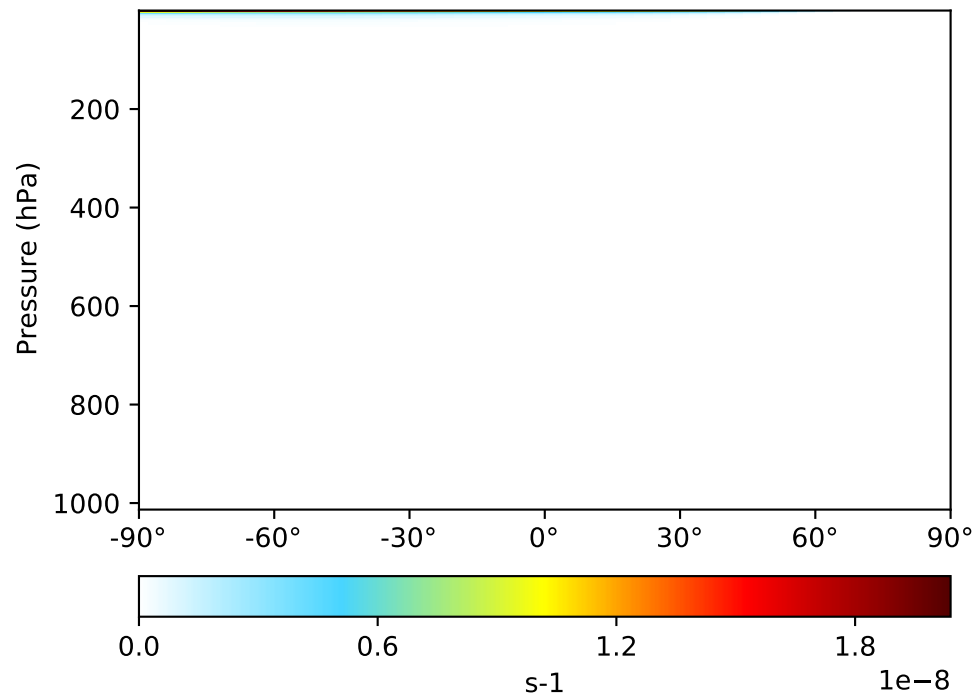


# Jval\_HCFC142b, Zonal Mean (Jan2019)

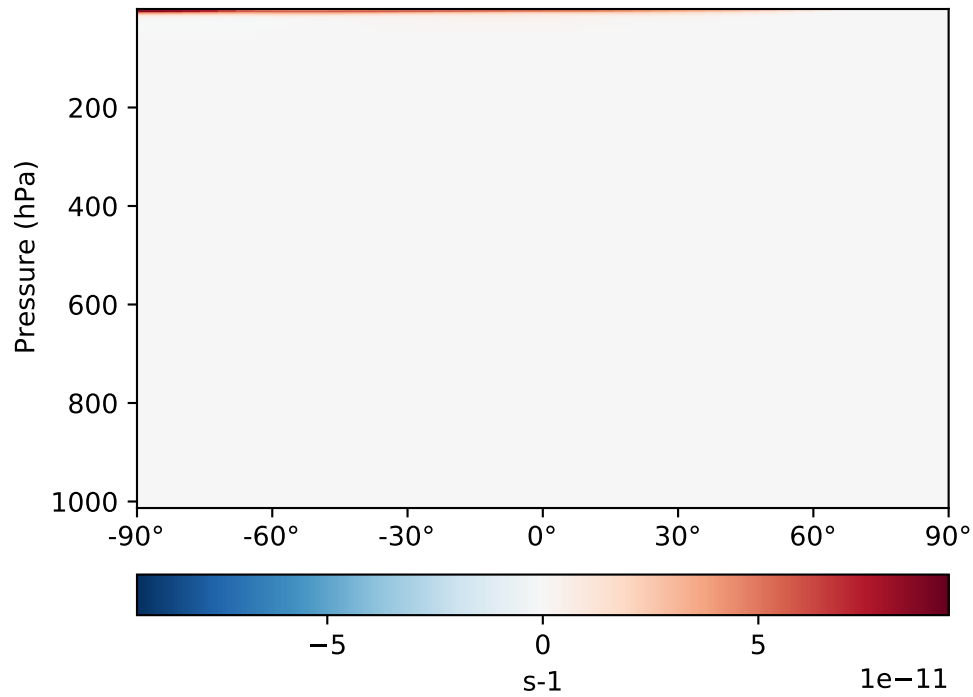
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



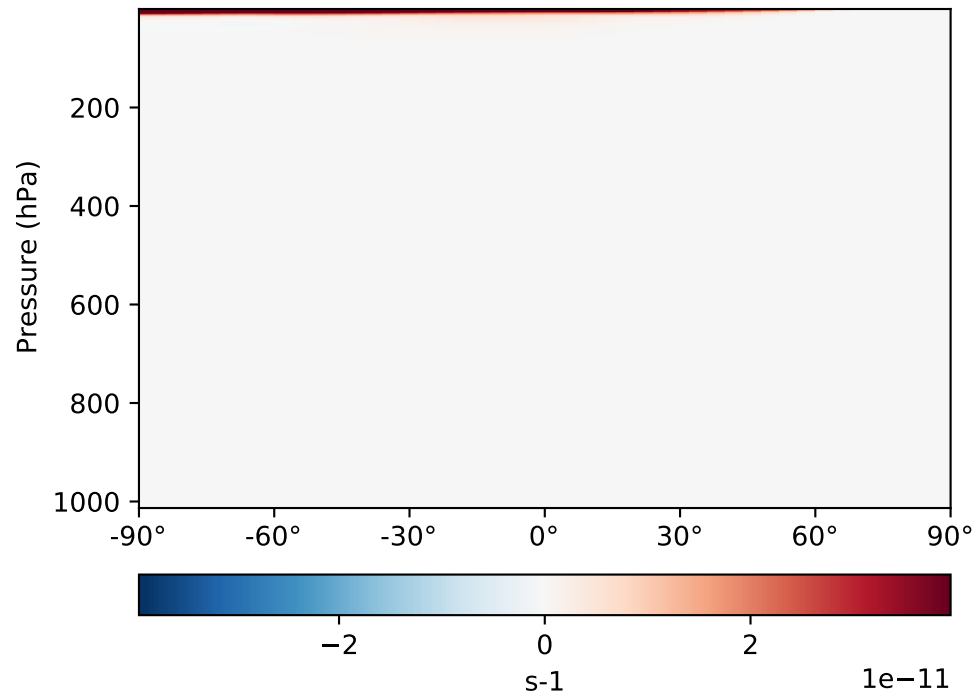
GCC\_13.0.0 (Dev)  
4.0x5.0



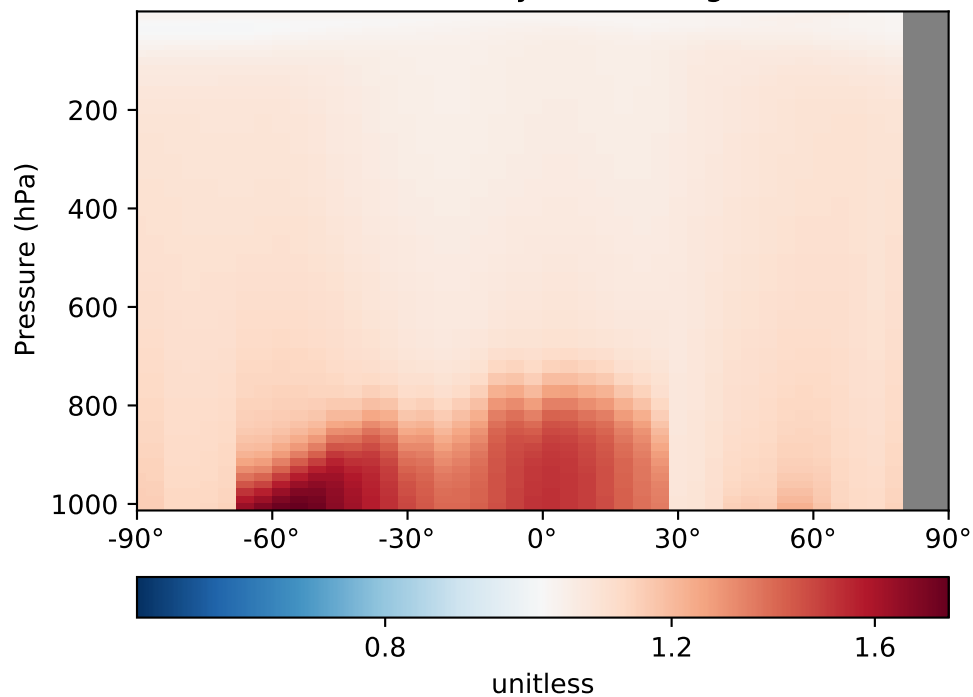
Difference  
Dev - Ref, Dynamic Range



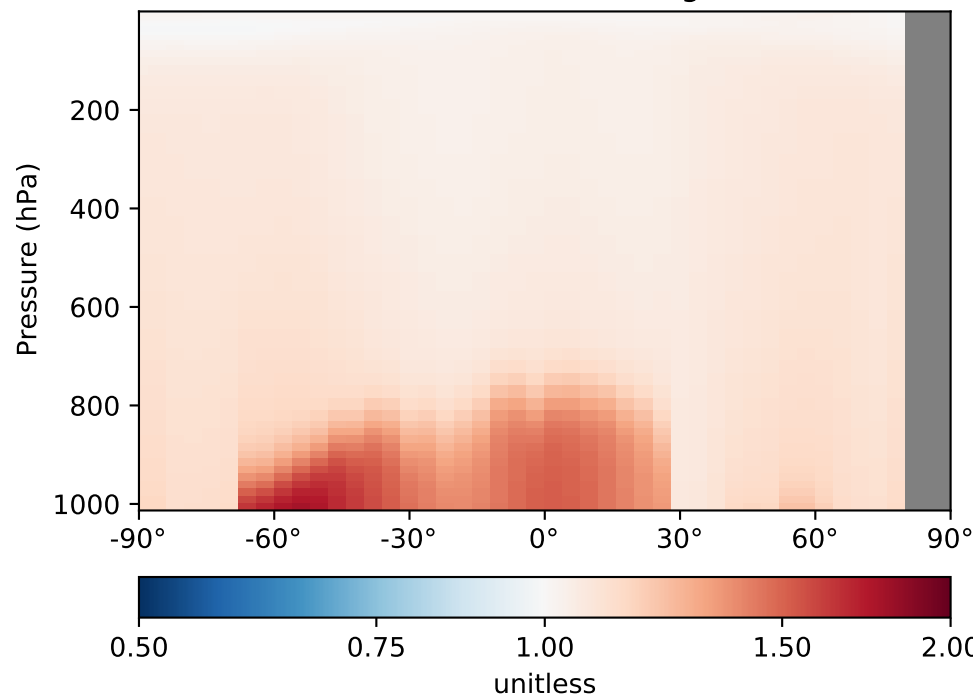
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

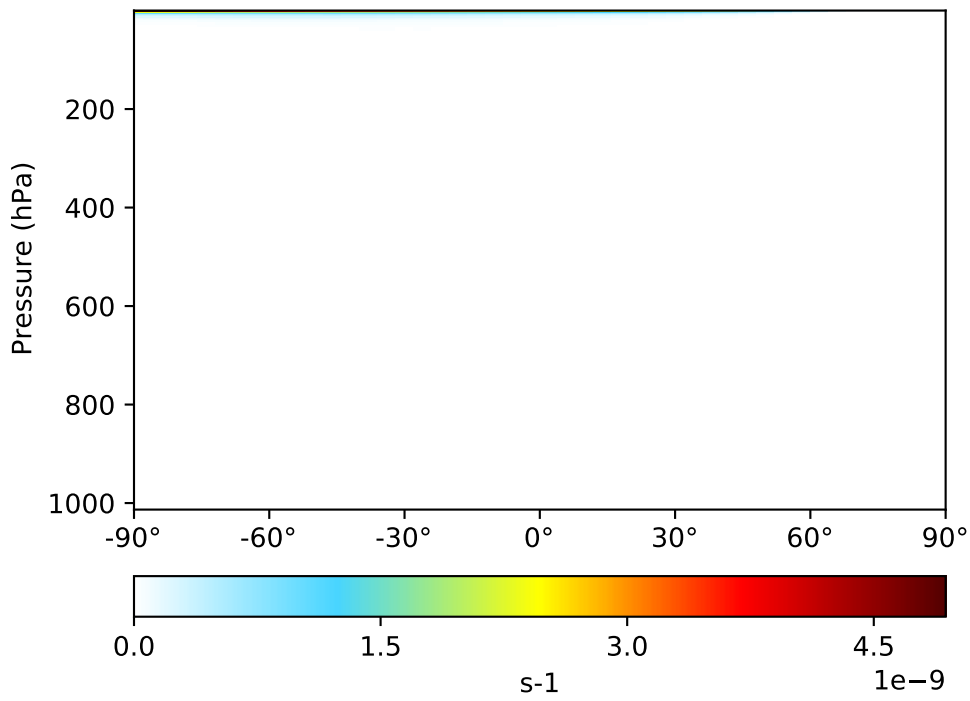


Ratio  
Dev/Ref, Fixed Range

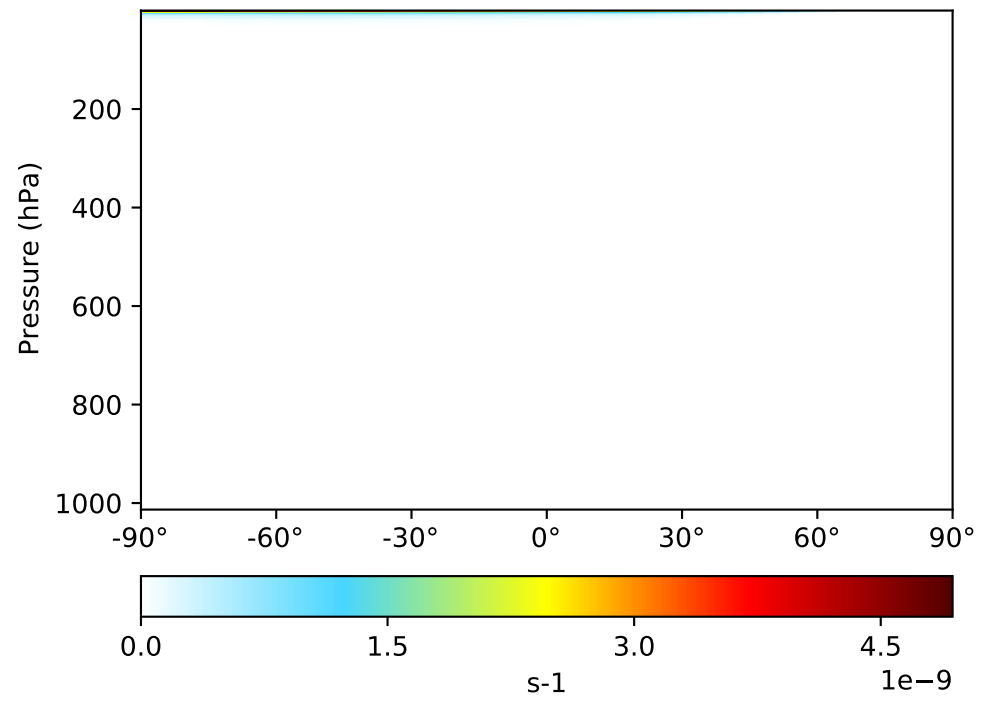


# Jval\_HCFC22, Zonal Mean (Jan2019)

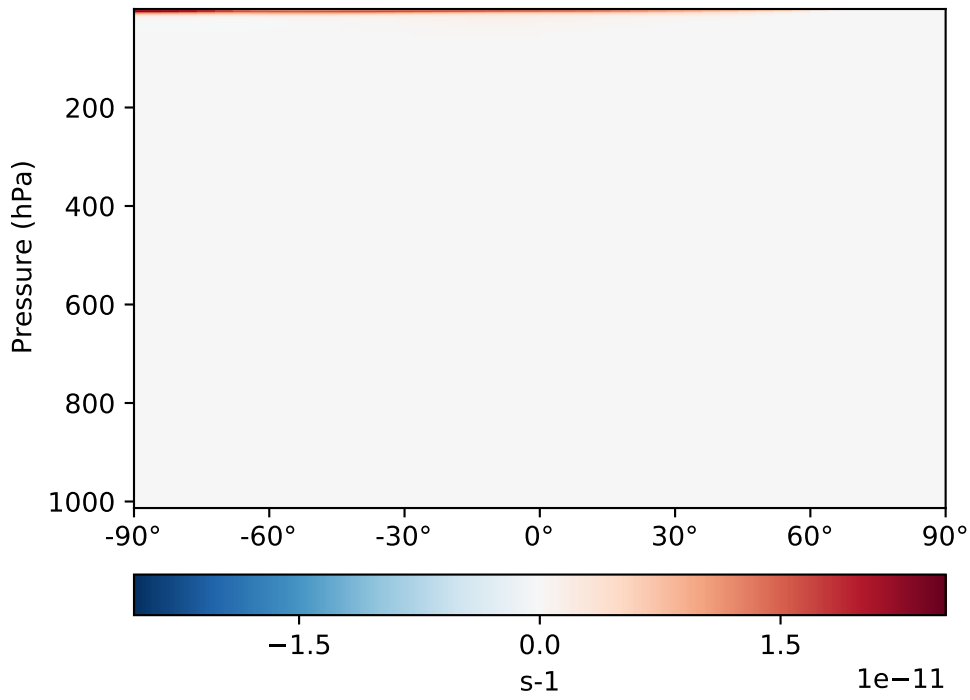
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



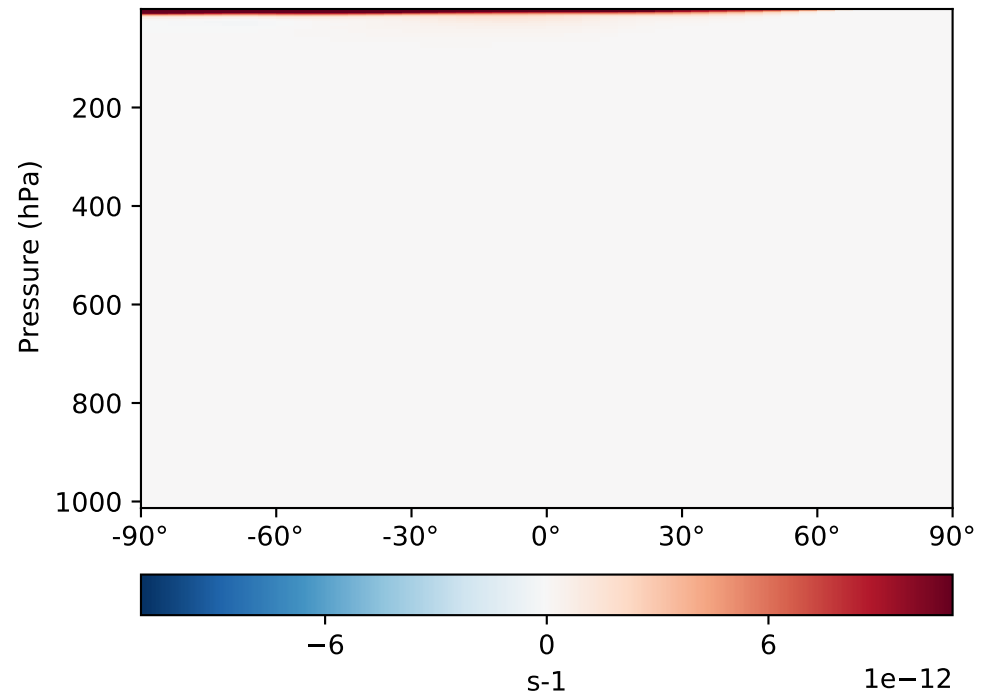
GCC\_13.0.0 (Dev)  
4.0x5.0



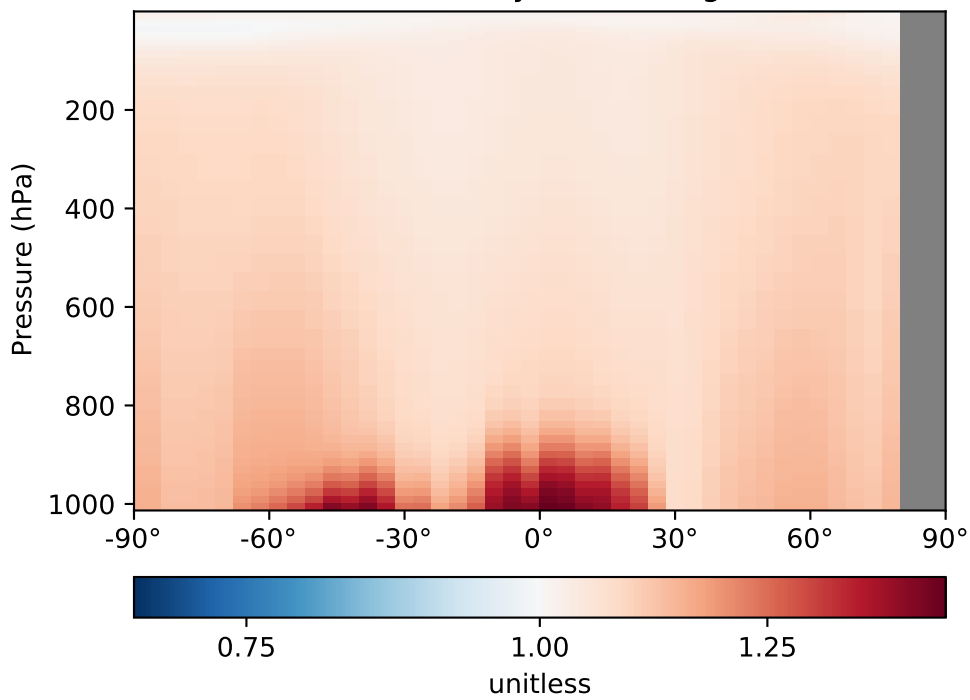
Difference  
Dev - Ref, Dynamic Range



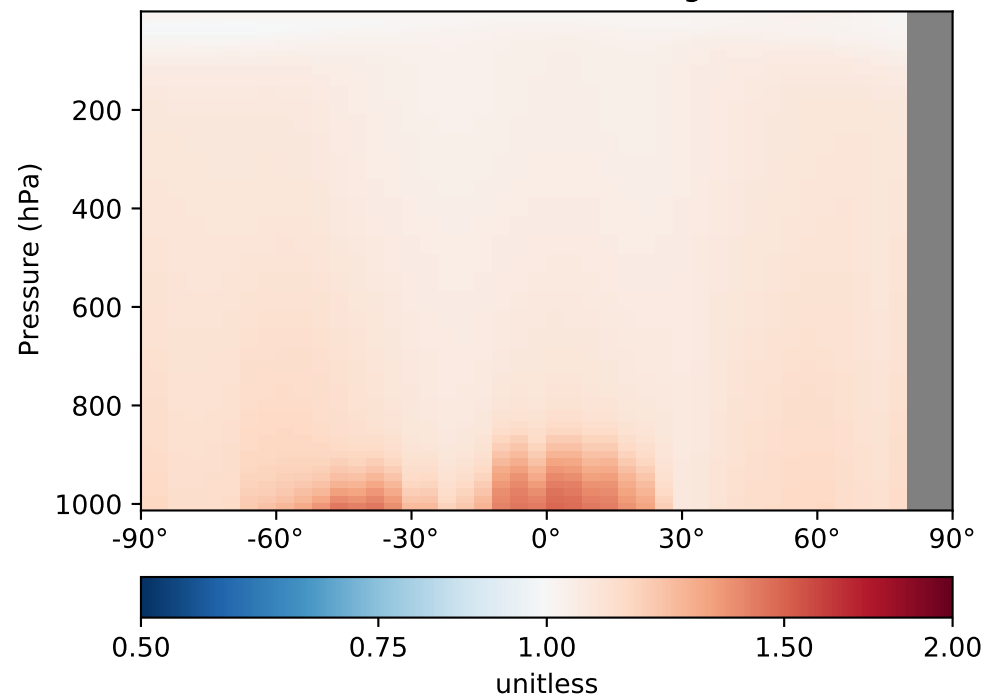
Difference  
Dev - Ref, Restricted Range [5%,95%]



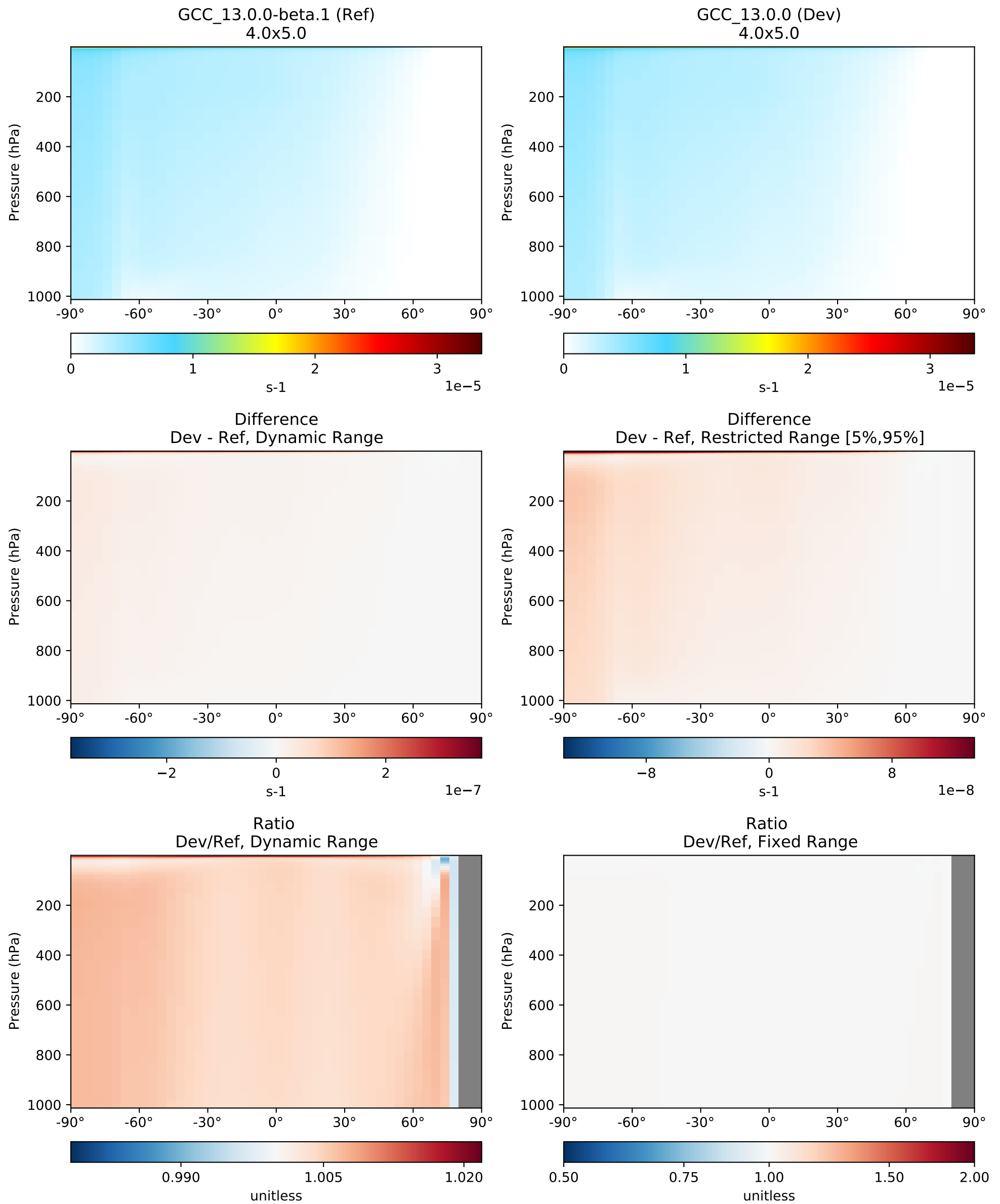
Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

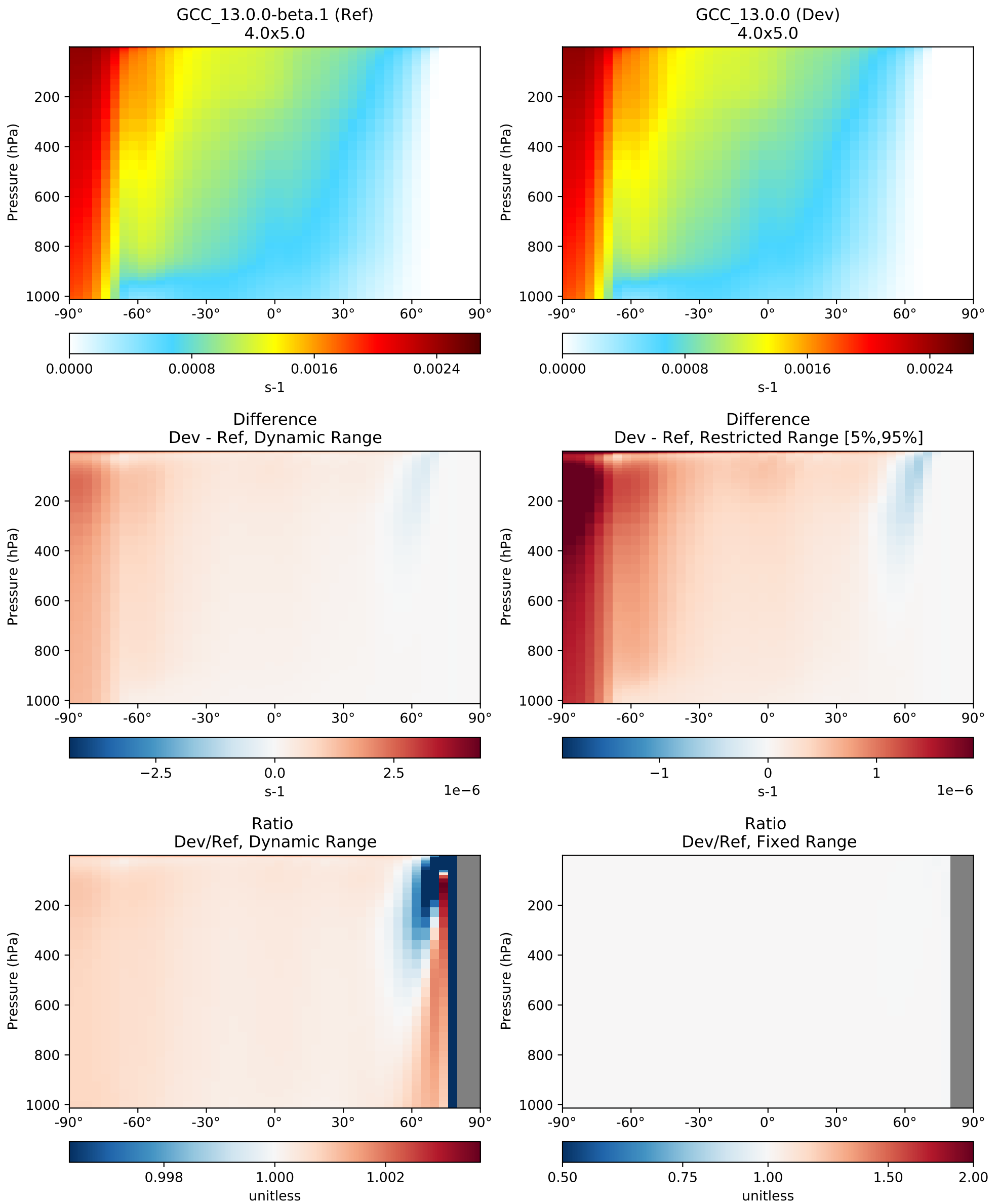


# Jval\_HMHP, Zonal Mean (Jan2019)

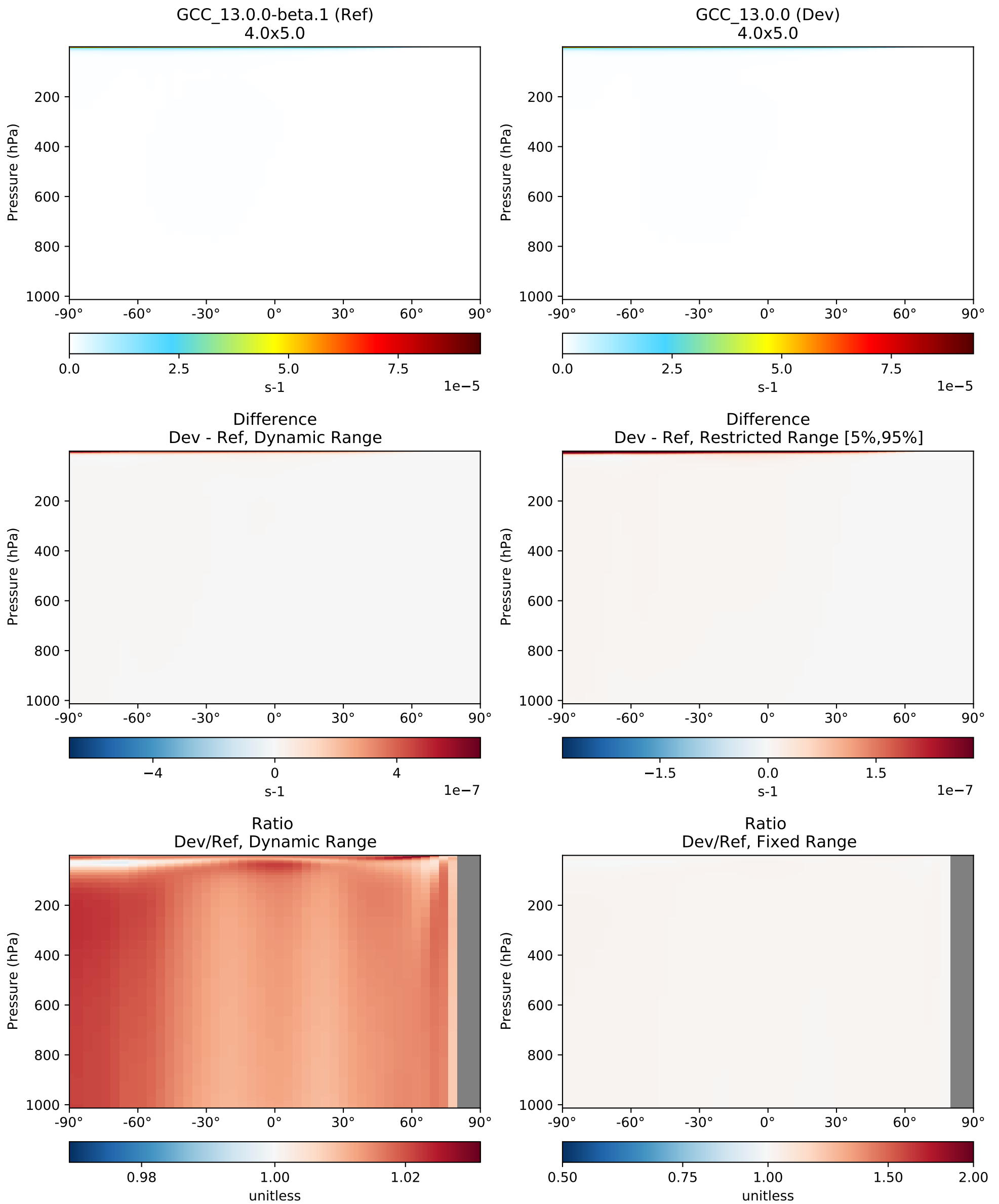




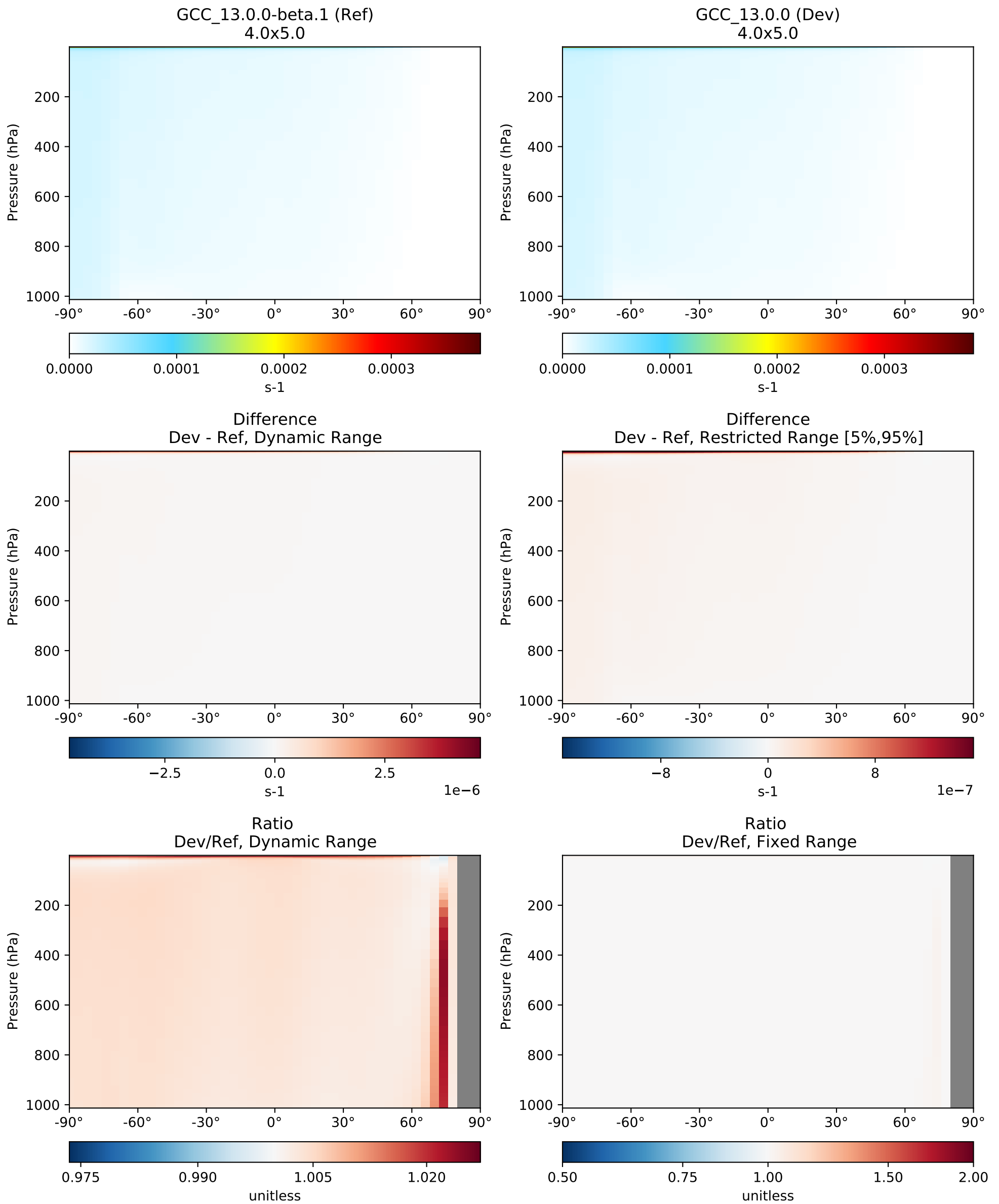
# Jval\_HNO2, Zonal Mean (Jan2019)



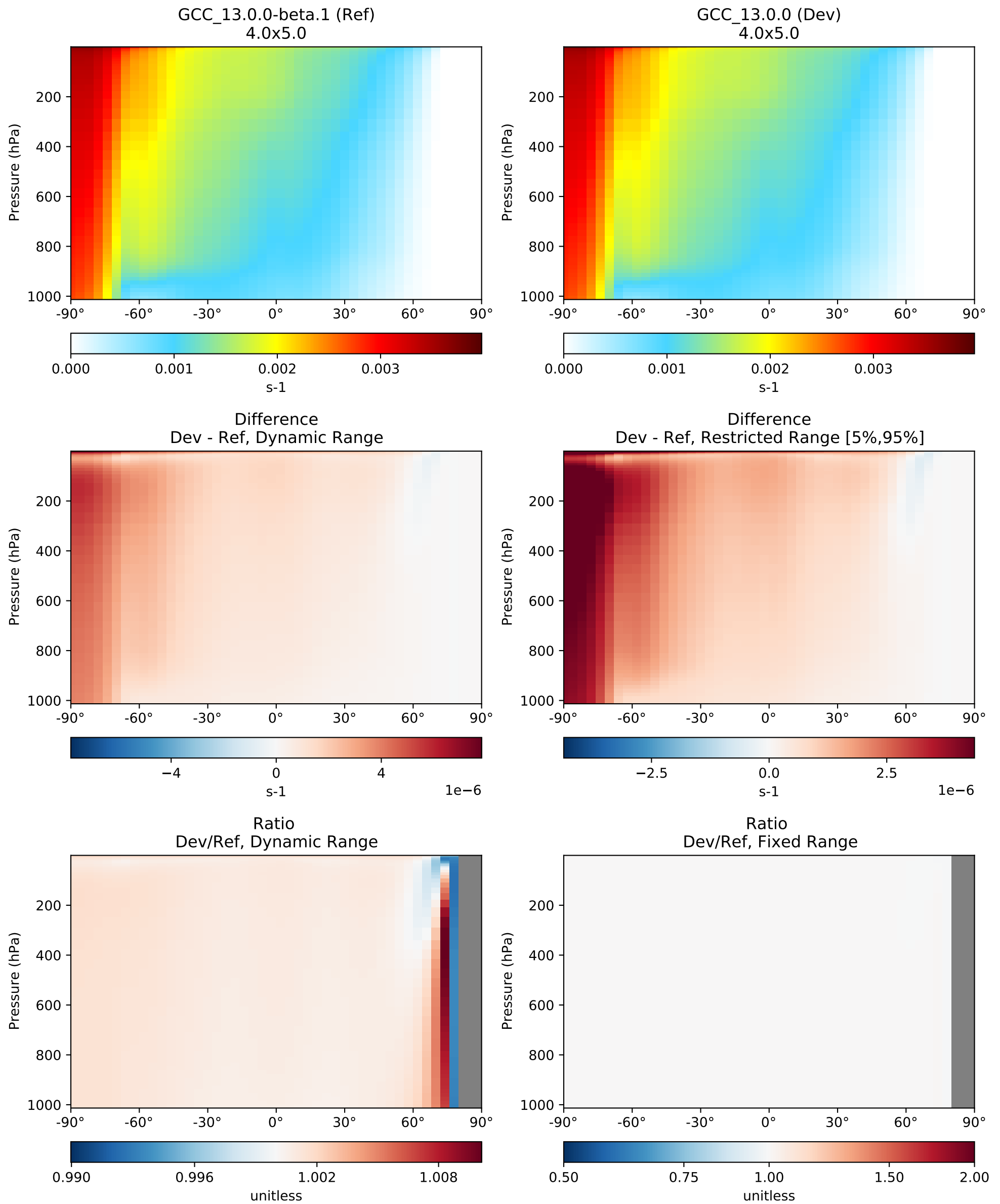
# Jval\_HNO3, Zonal Mean (Jan2019)



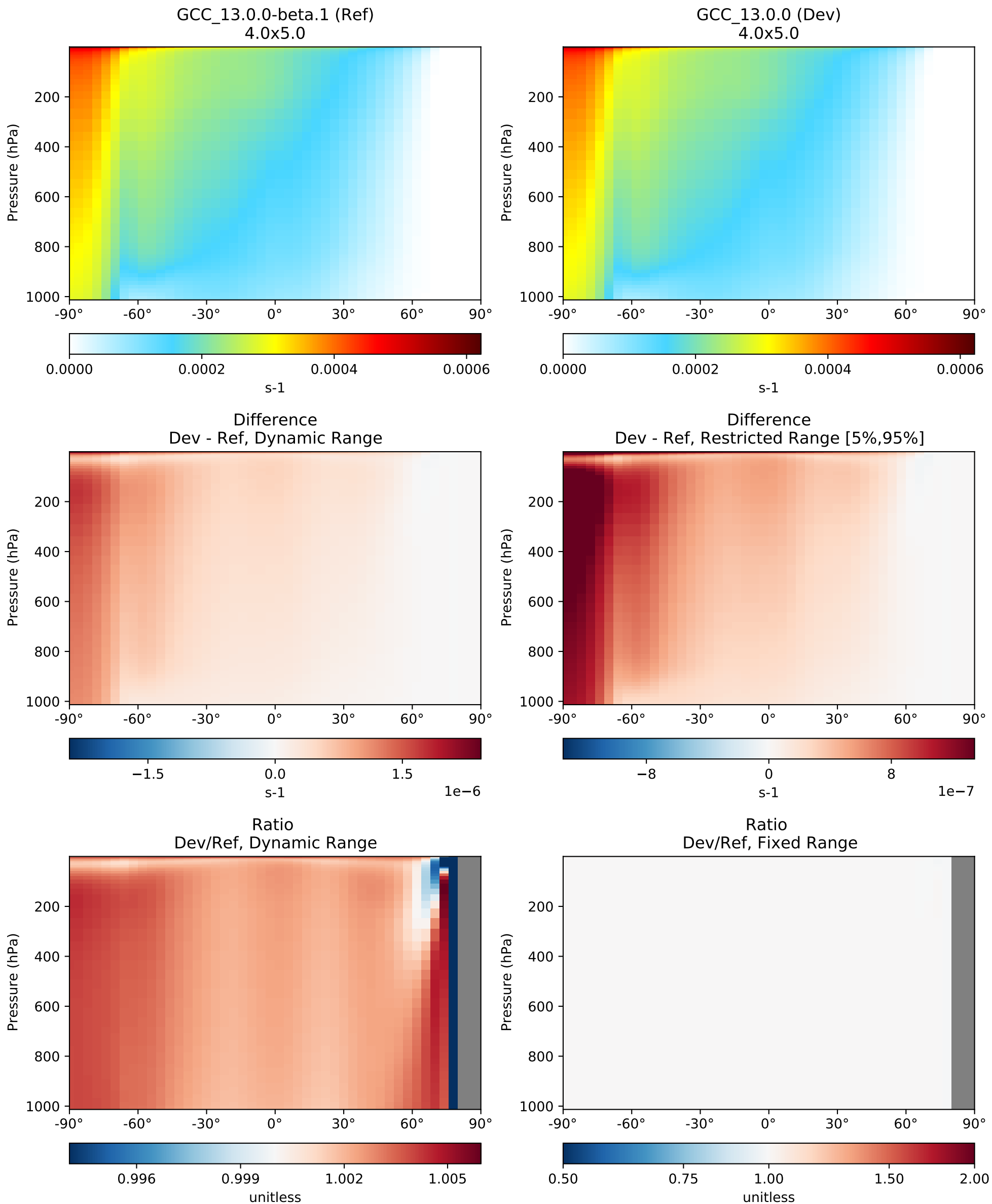
# Jval\_HNO4, Zonal Mean (Jan2019)



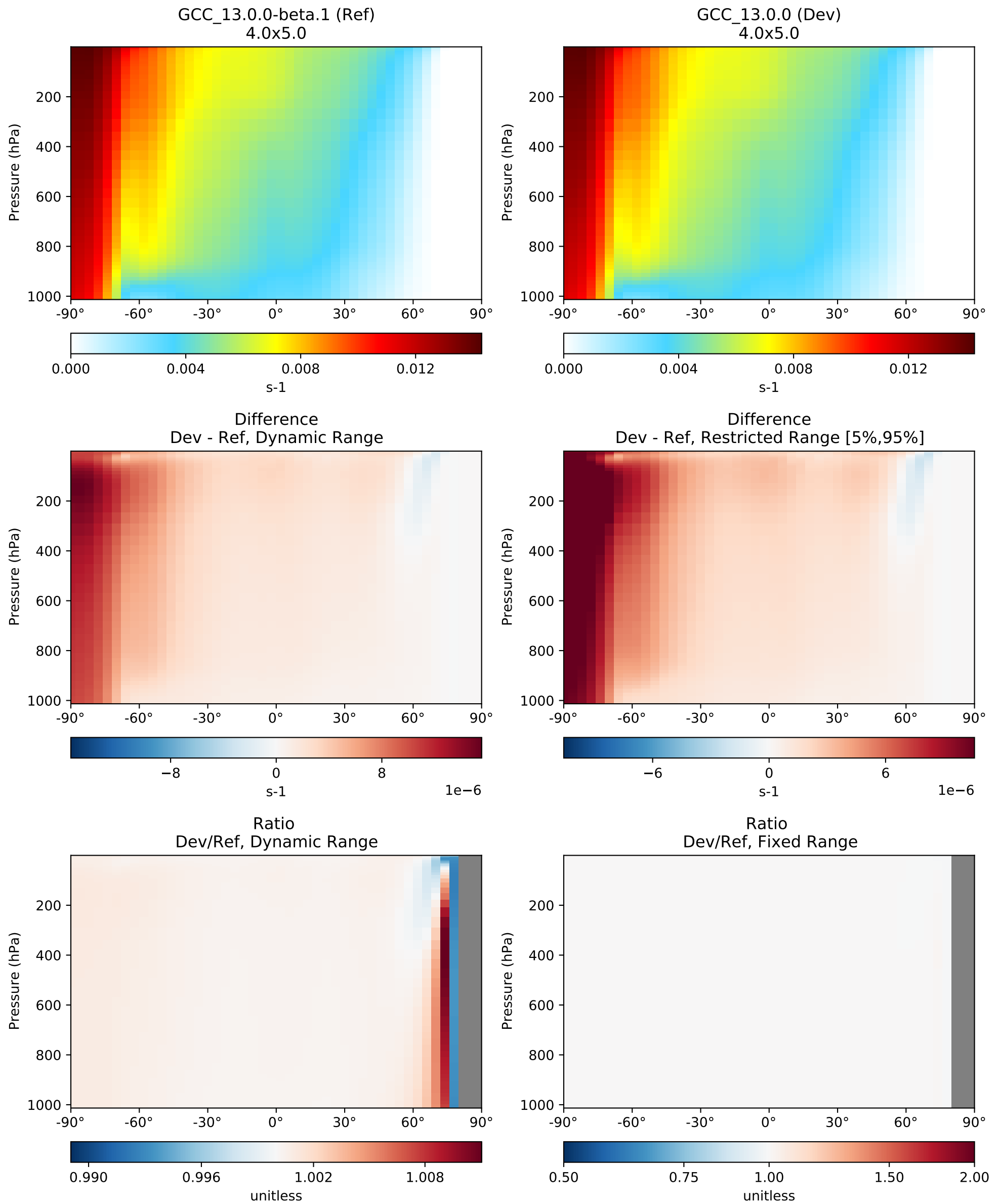
# Jval\_HOBr, Zonal Mean (Jan2019)



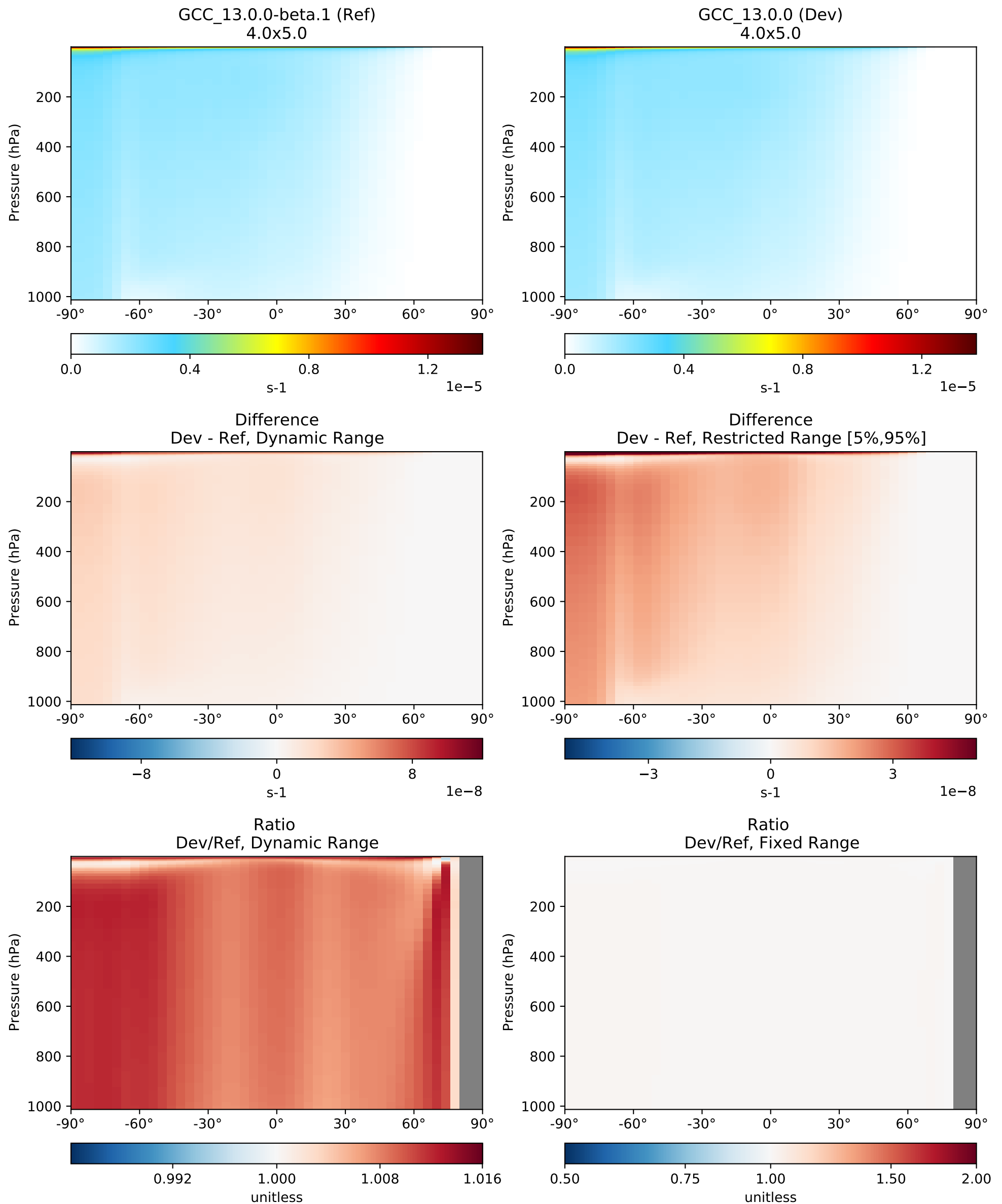
# Jval\_HOCl, Zonal Mean (Jan2019)



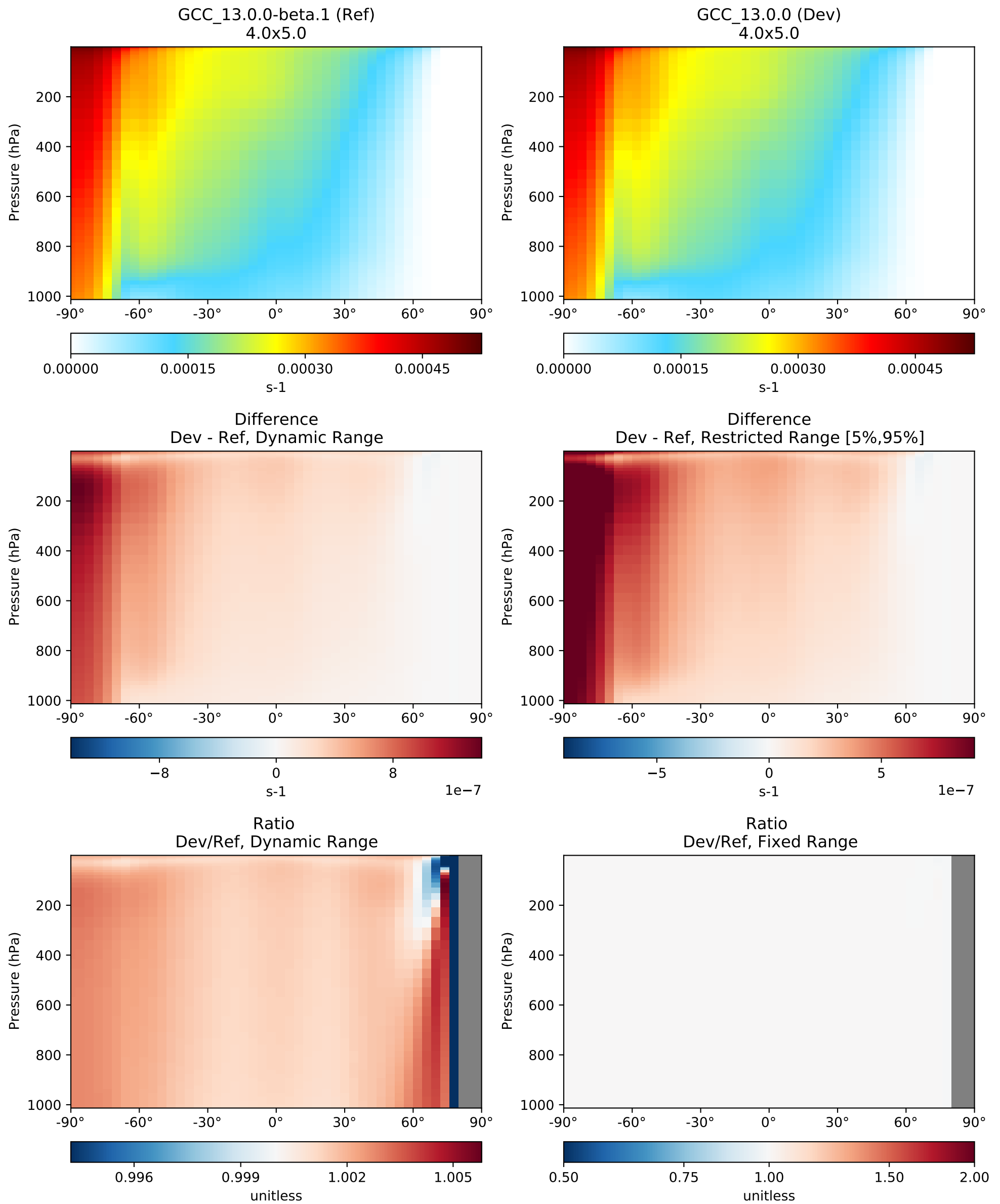
# Jval\_HOI, Zonal Mean (Jan2019)



# Jval\_HONIT, Zonal Mean (Jan2019)

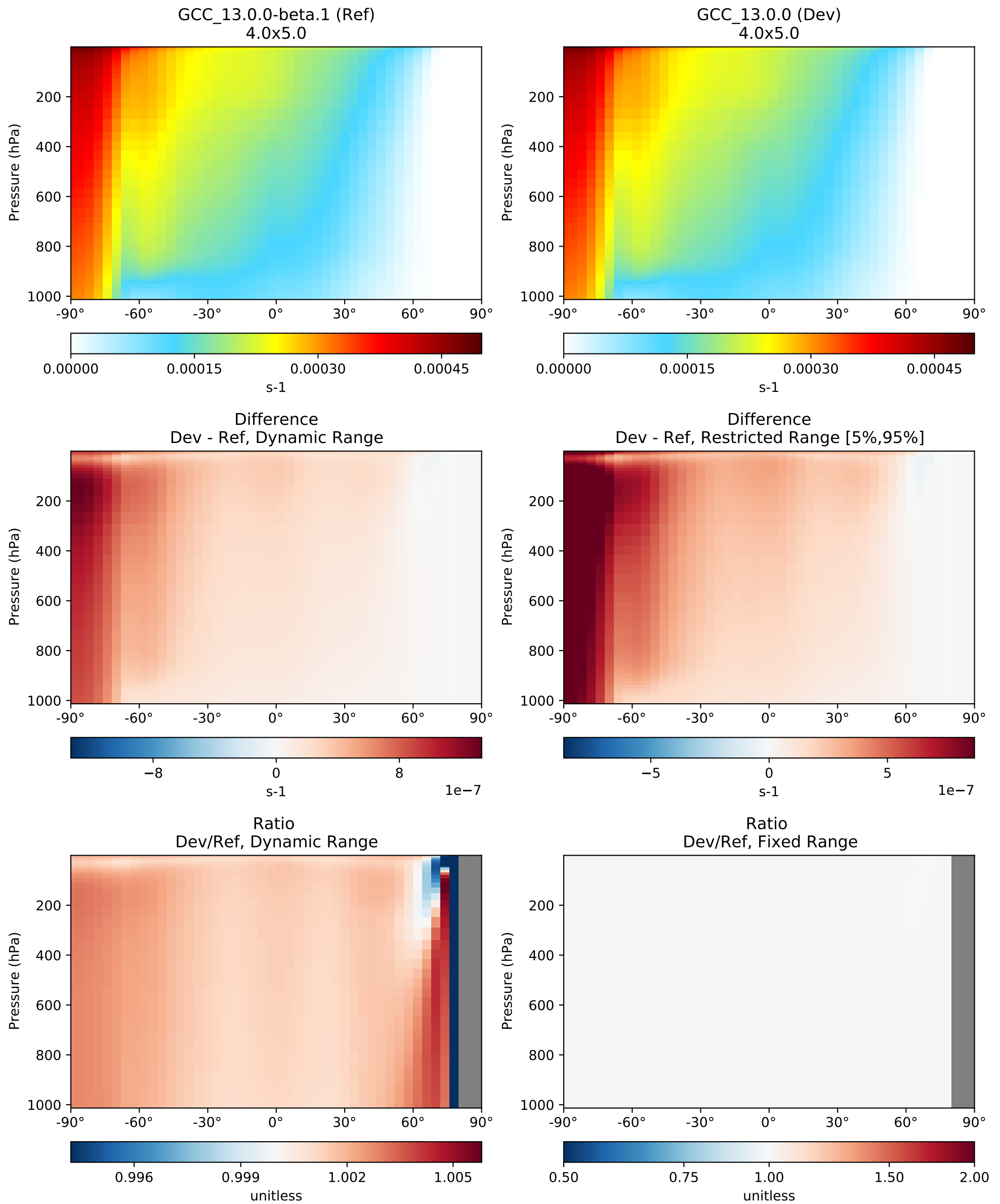


# Jval\_HPALD1, Zonal Mean (Jan2019)

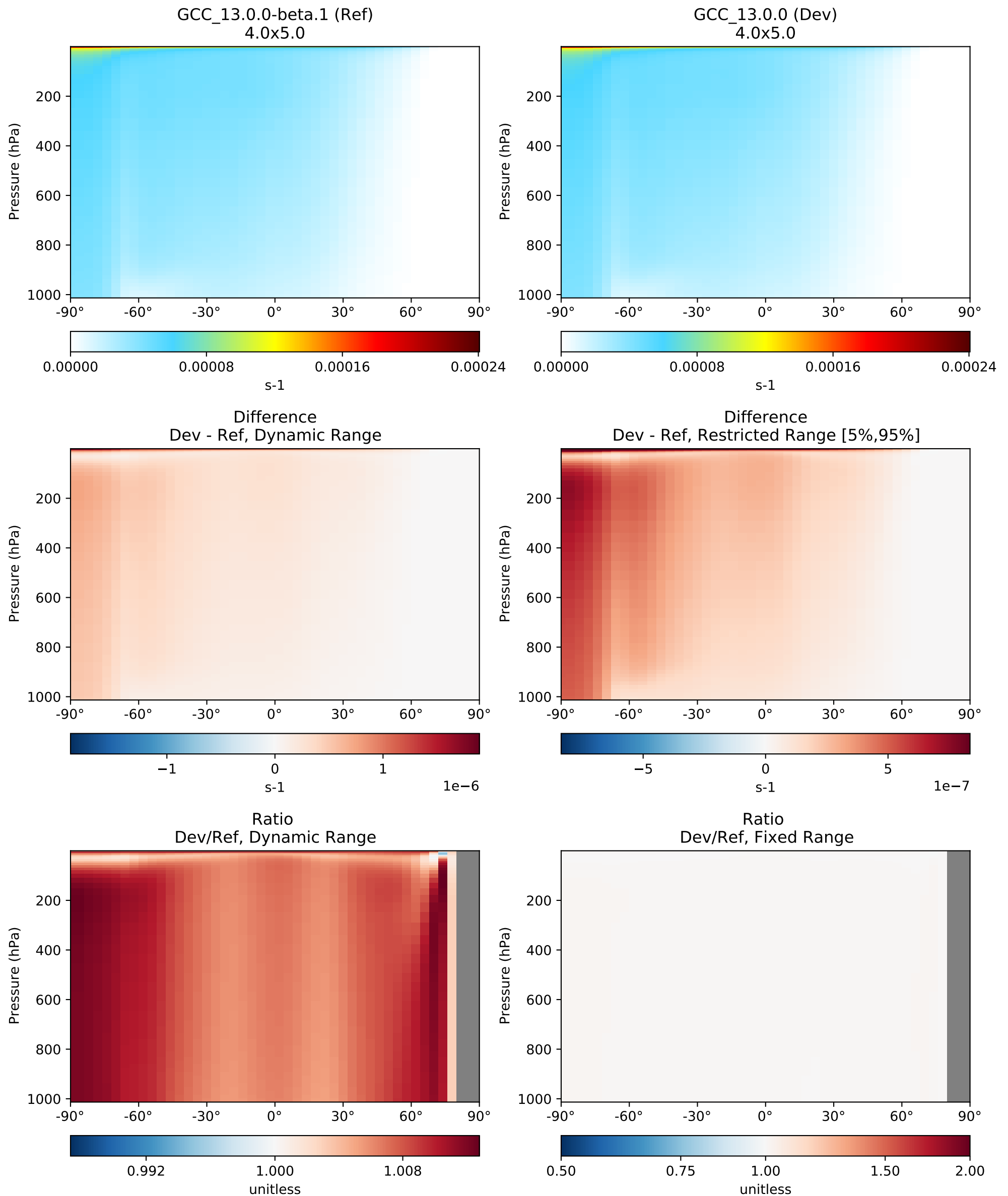




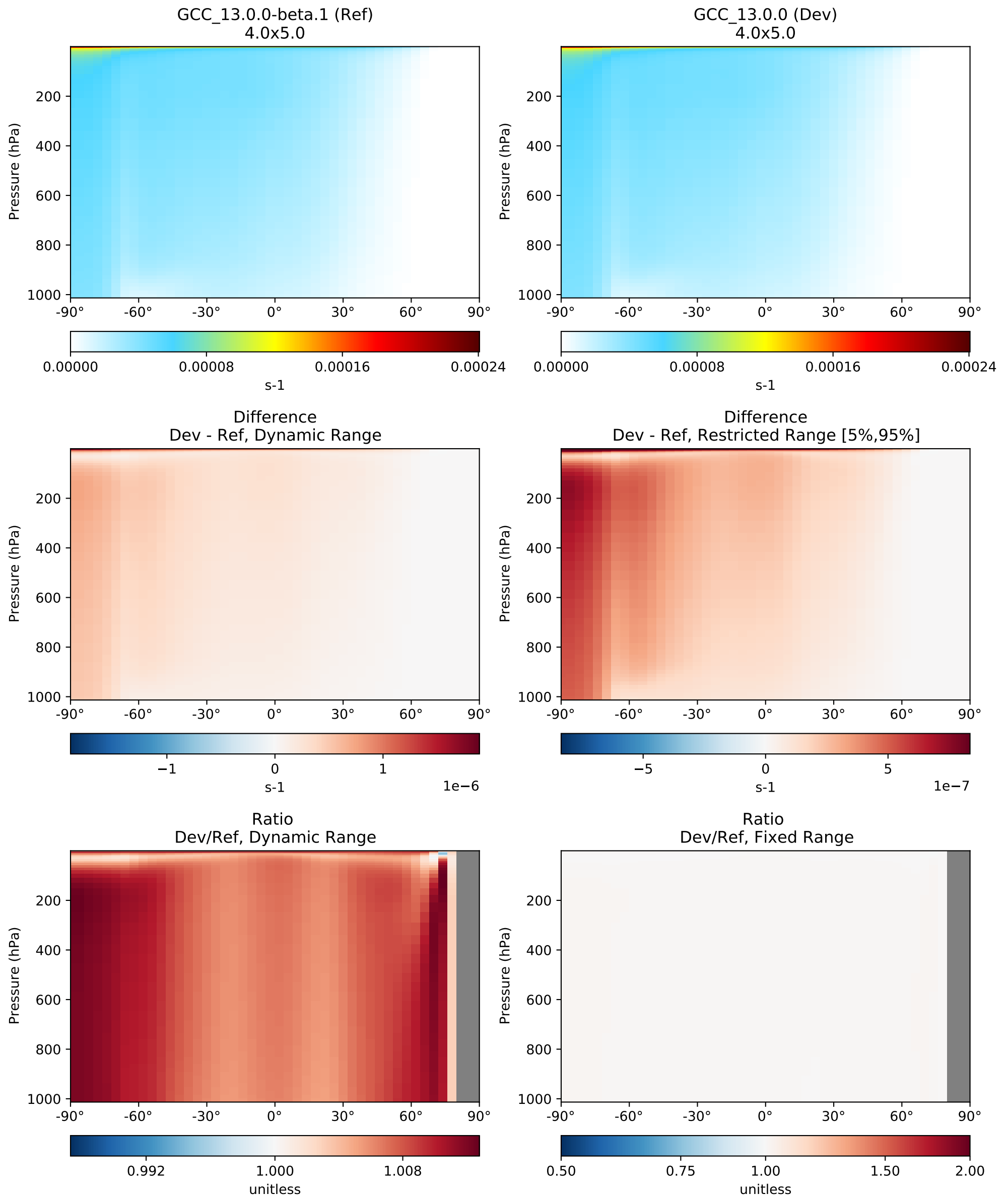
# Jval\_HPALD2, Zonal Mean (Jan2019)



# Jval\_HPALD3, Zonal Mean (Jan2019)

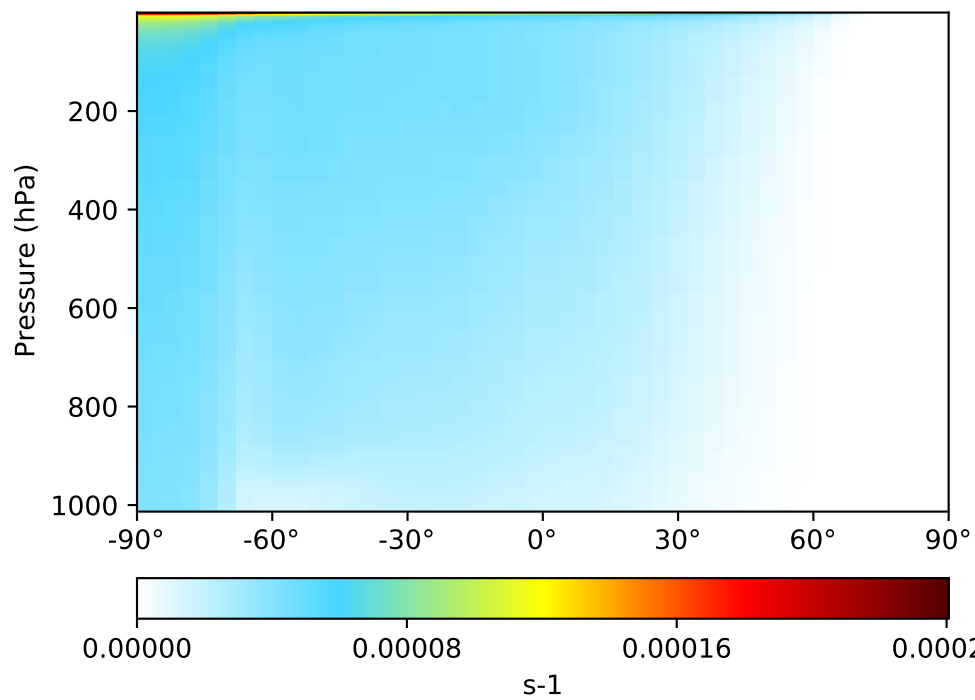


# Jval\_HPALD4, Zonal Mean (Jan2019)

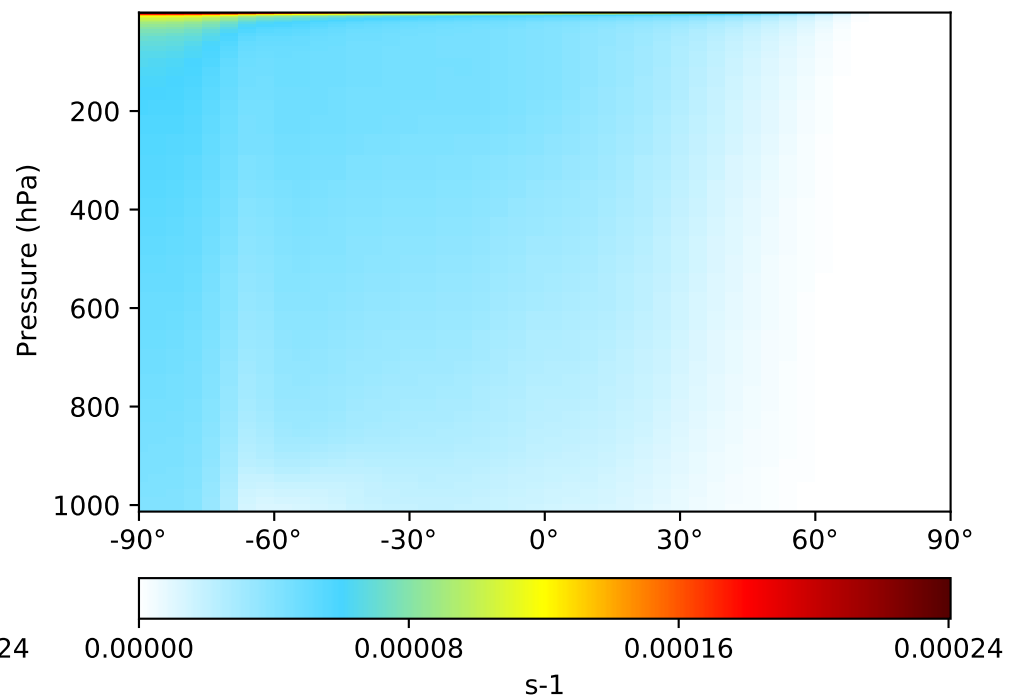


# Jval\_HPETHNL, Zonal Mean (Jan2019)

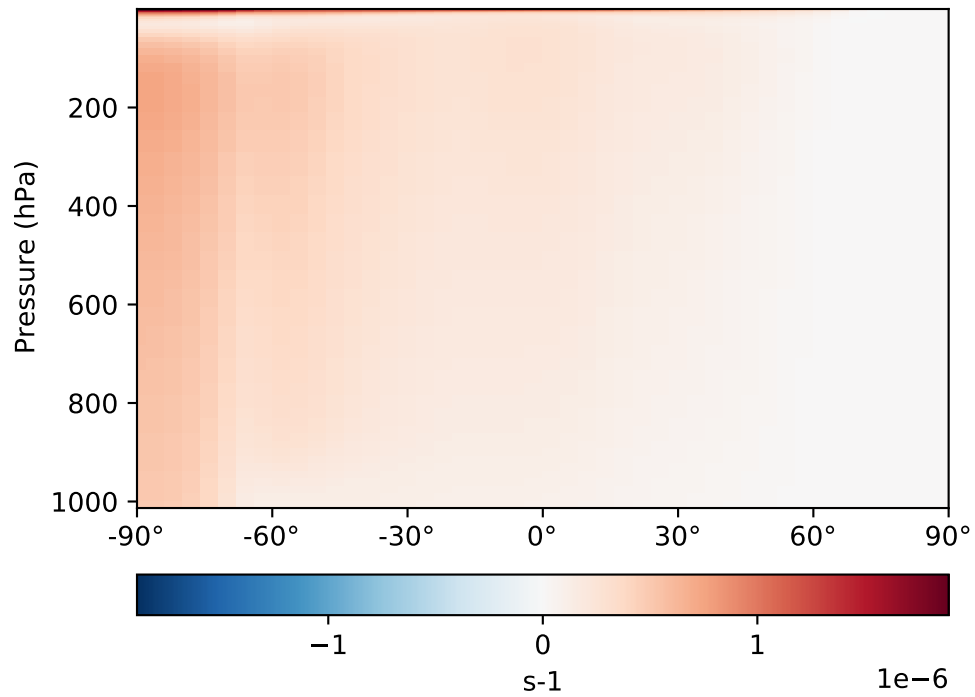
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



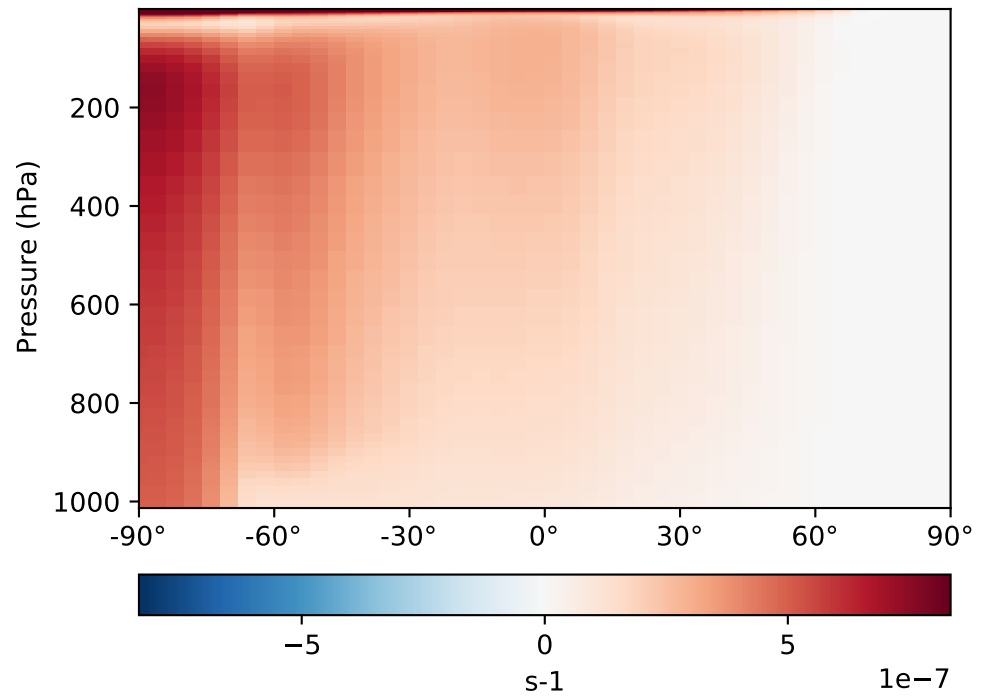
GCC\_13.0.0 (Dev)  
4.0x5.0



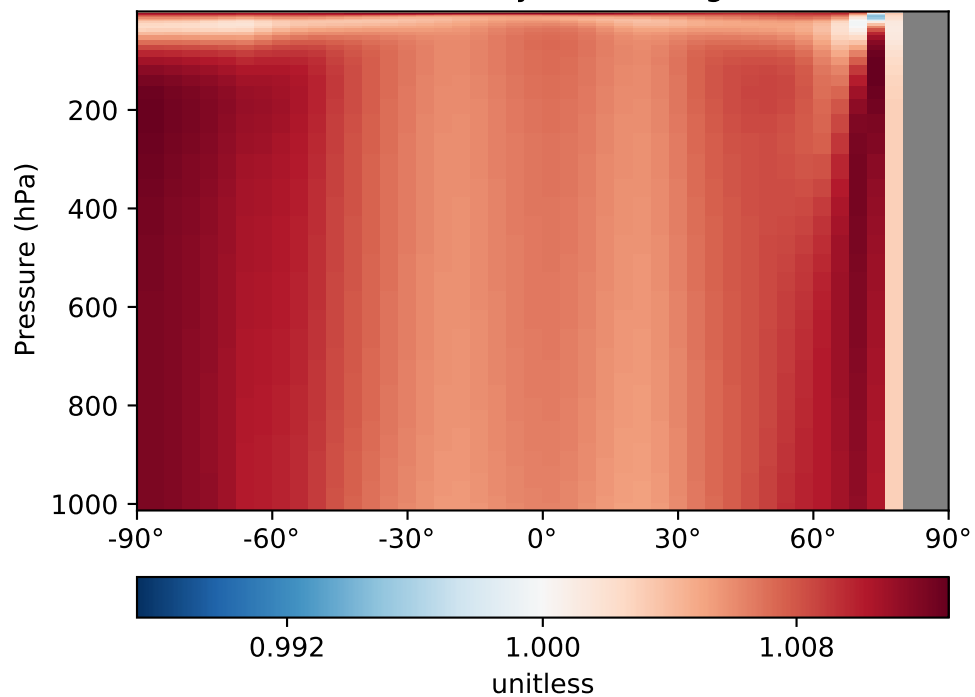
Difference  
Dev - Ref, Dynamic Range



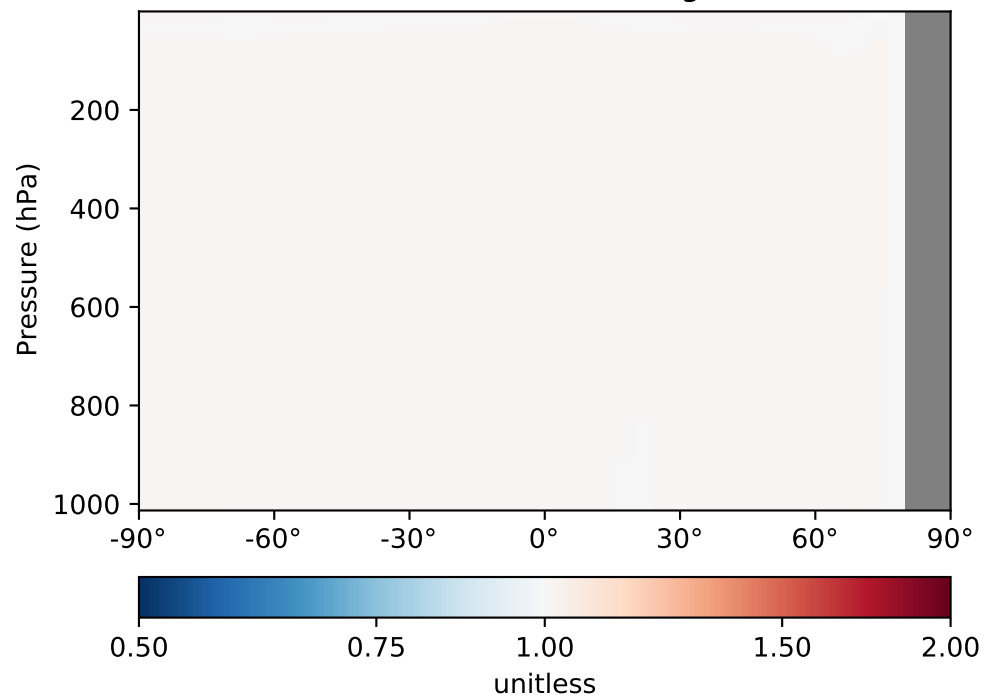
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

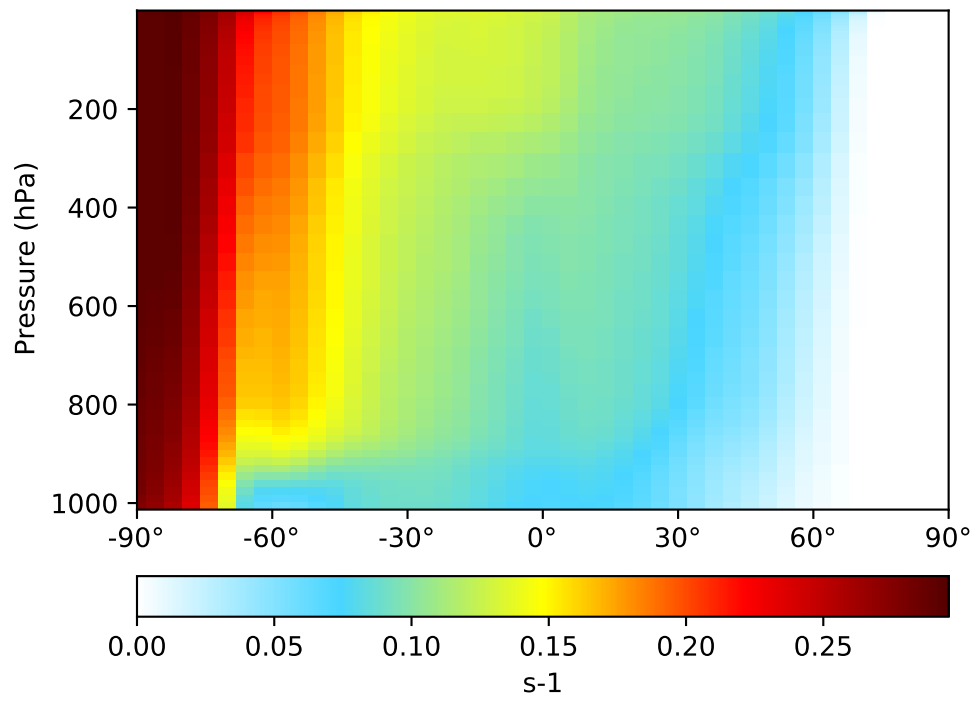


Ratio  
Dev/Ref, Fixed Range

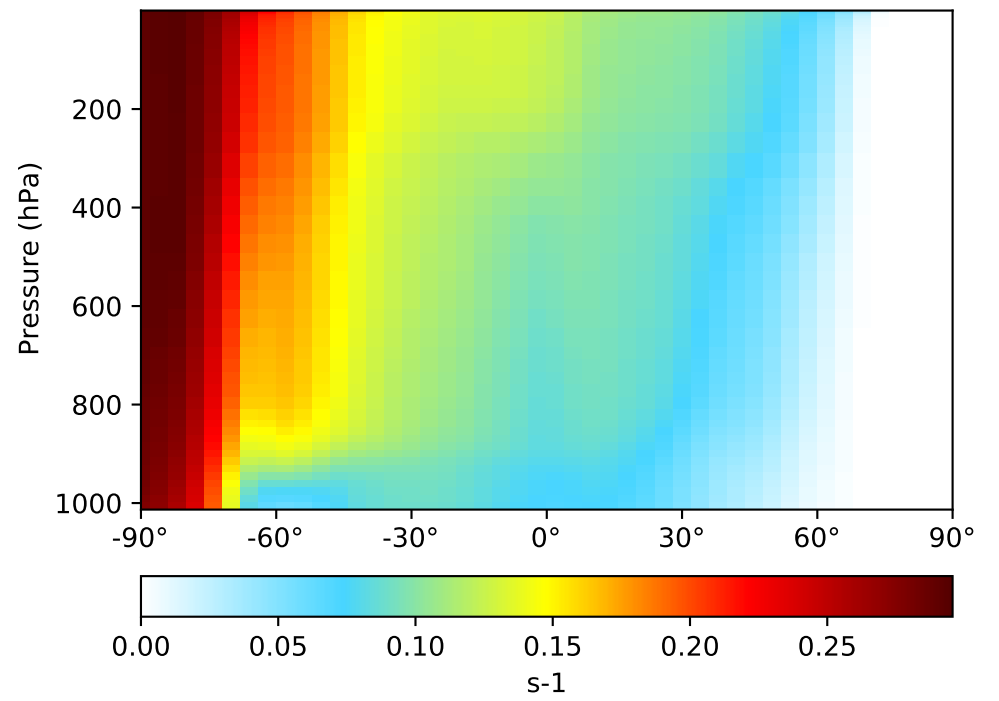


# Jval\_I2, Zonal Mean (Jan2019)

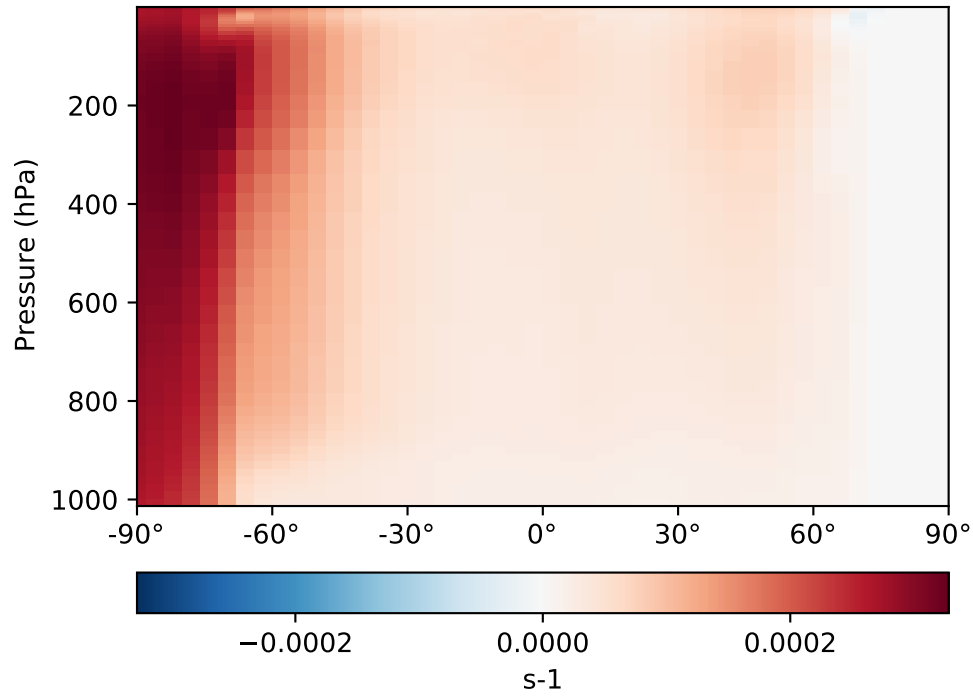
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



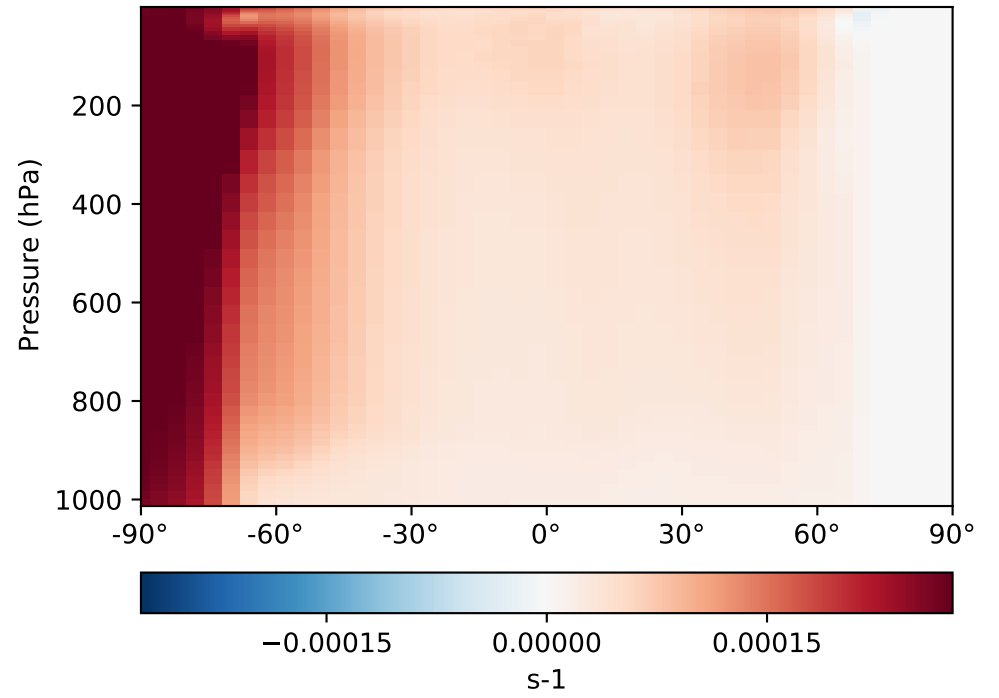
GCC\_13.0.0 (Dev)  
4.0x5.0



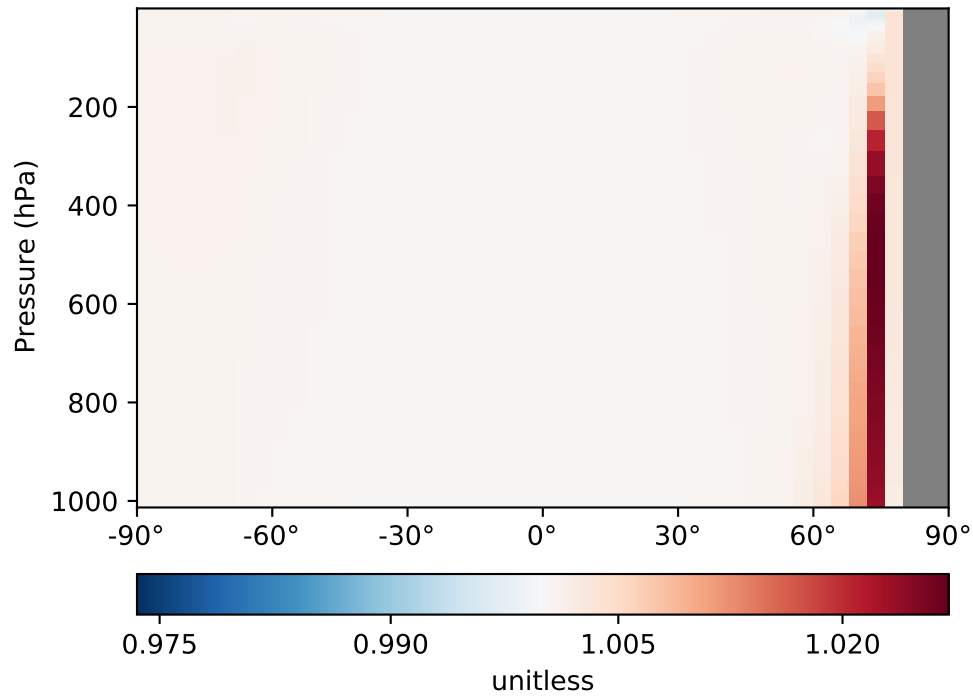
Difference  
Dev - Ref, Dynamic Range



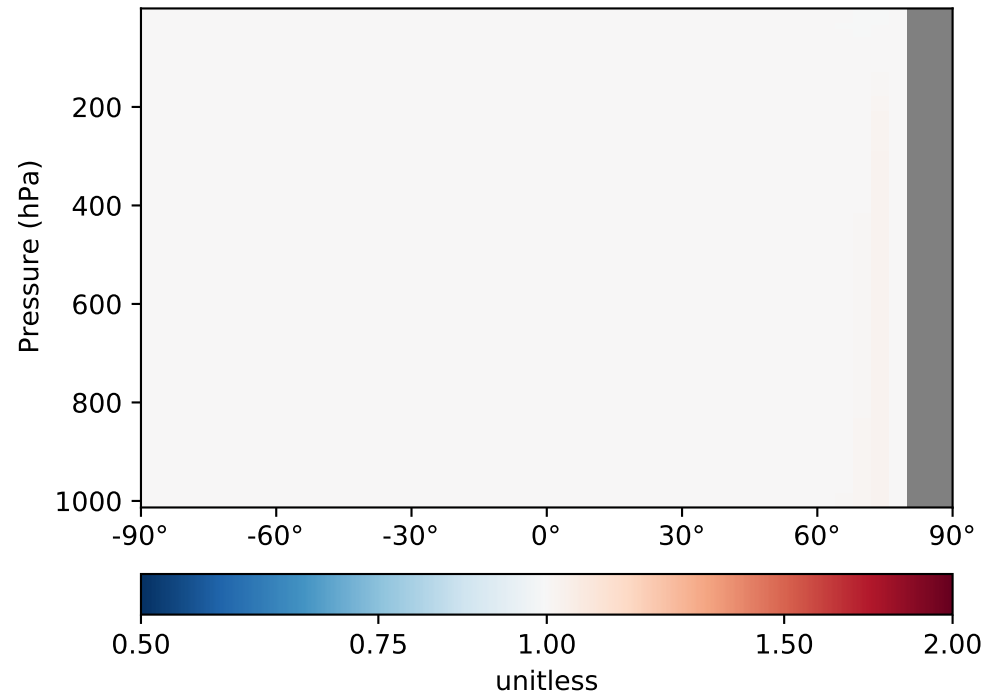
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

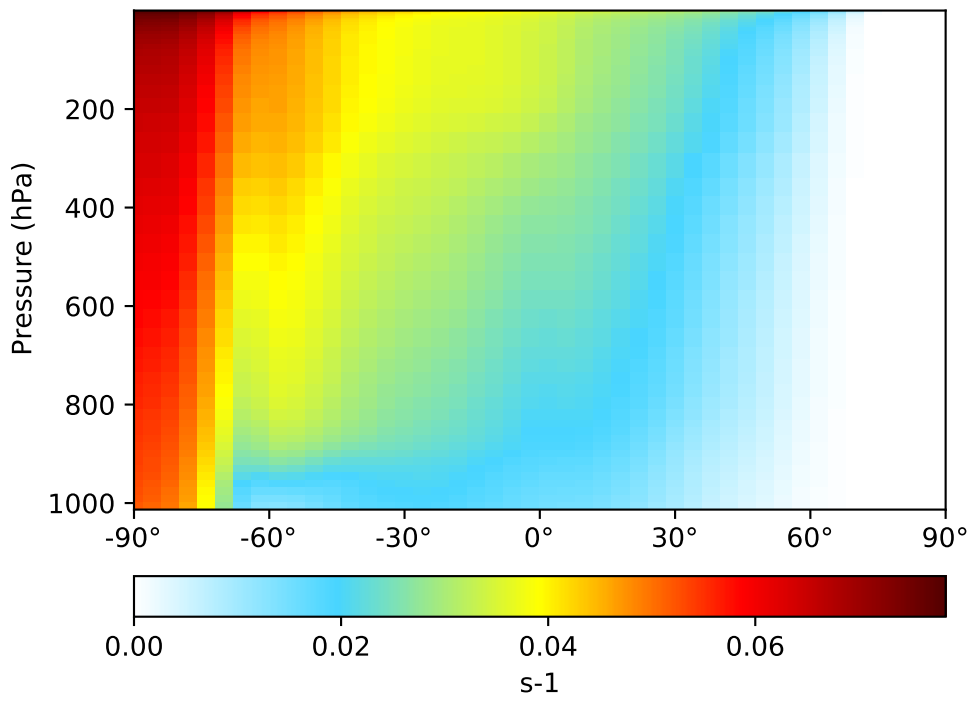


Ratio  
Dev/Ref, Fixed Range

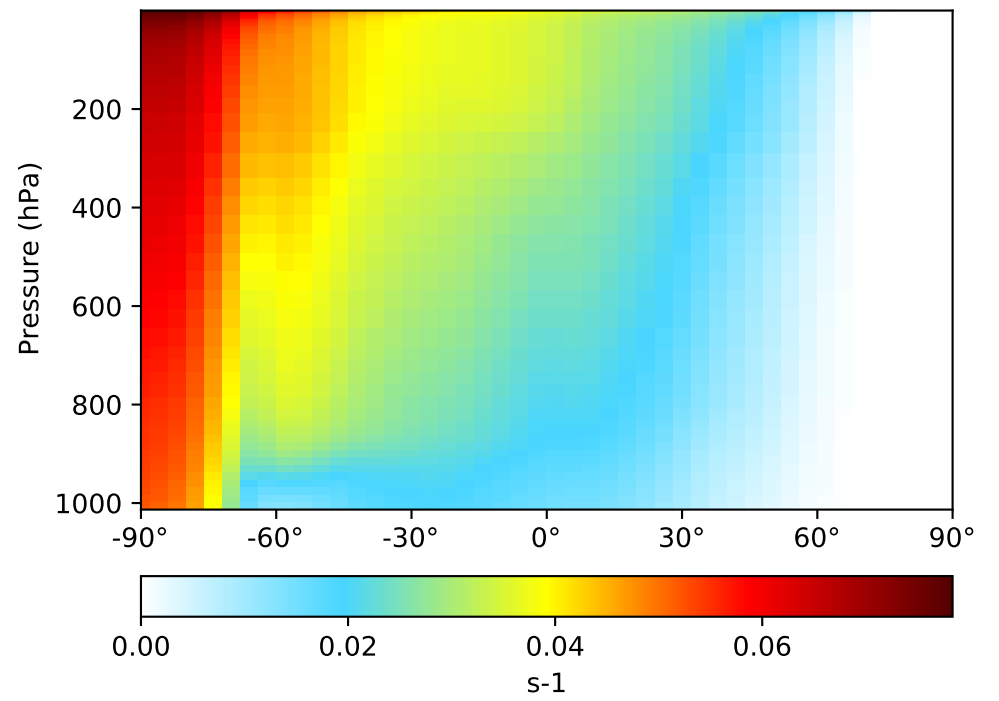


# Jval\_I2O2, Zonal Mean (Jan2019)

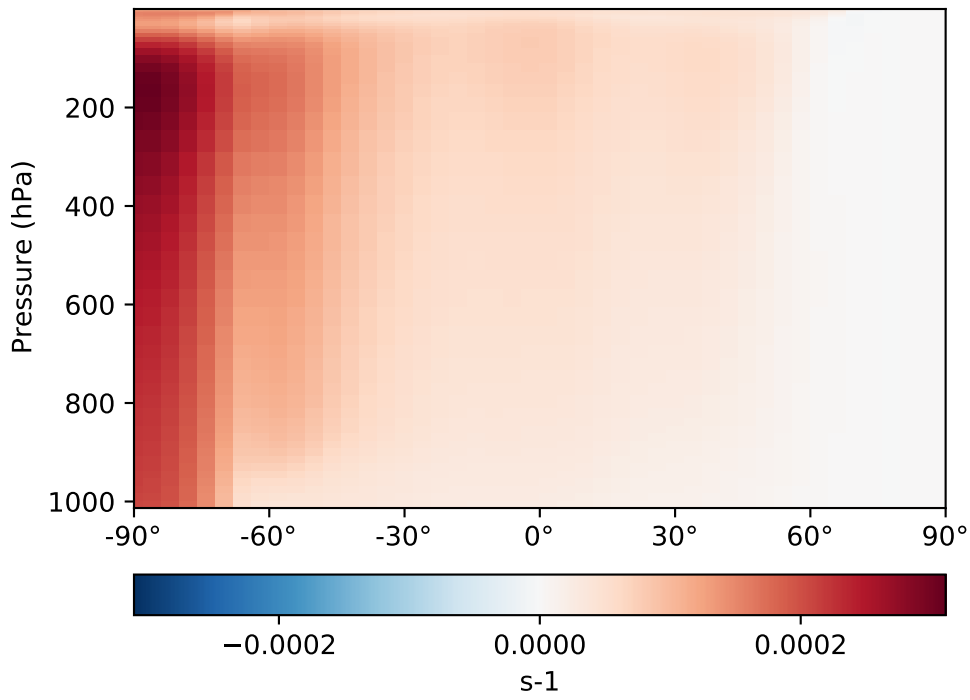
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



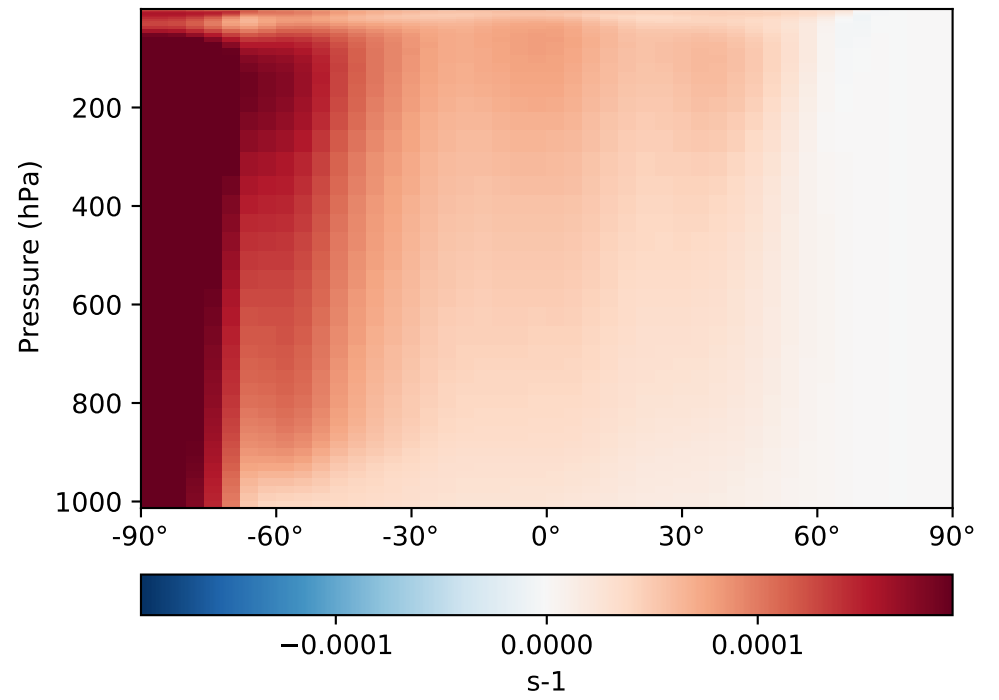
GCC\_13.0.0 (Dev)  
4.0x5.0



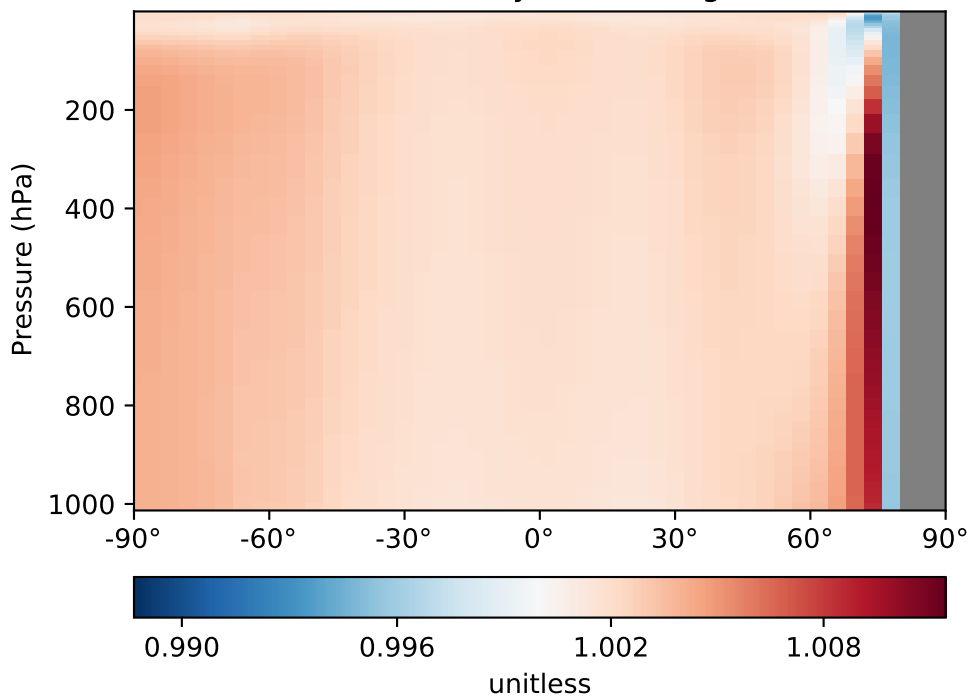
Difference  
Dev - Ref, Dynamic Range



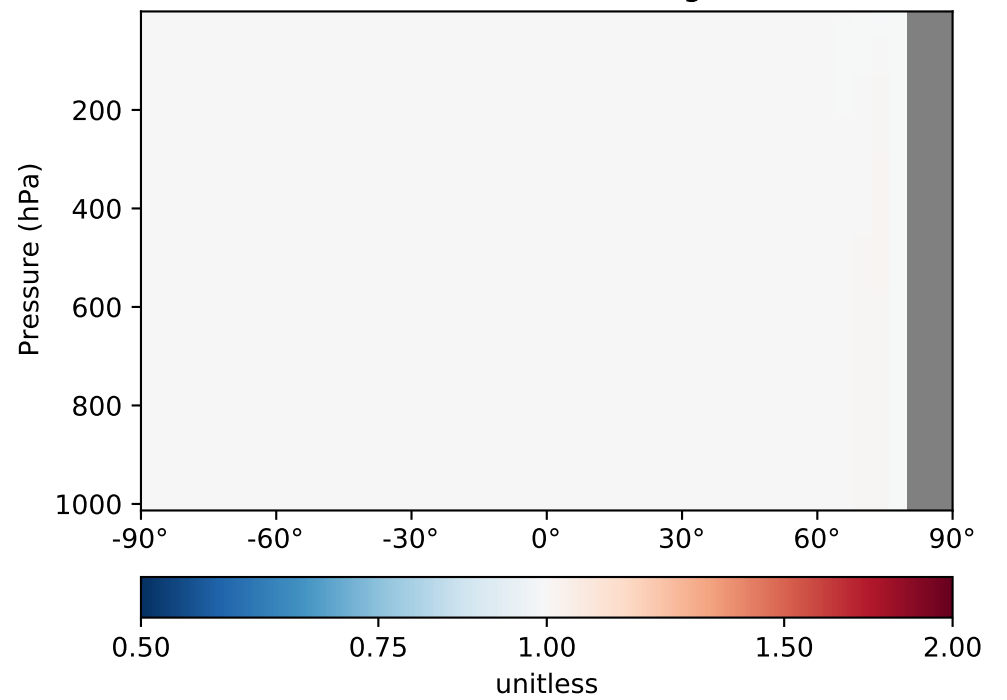
Difference  
Dev - Ref, Restricted Range [5%,95%]



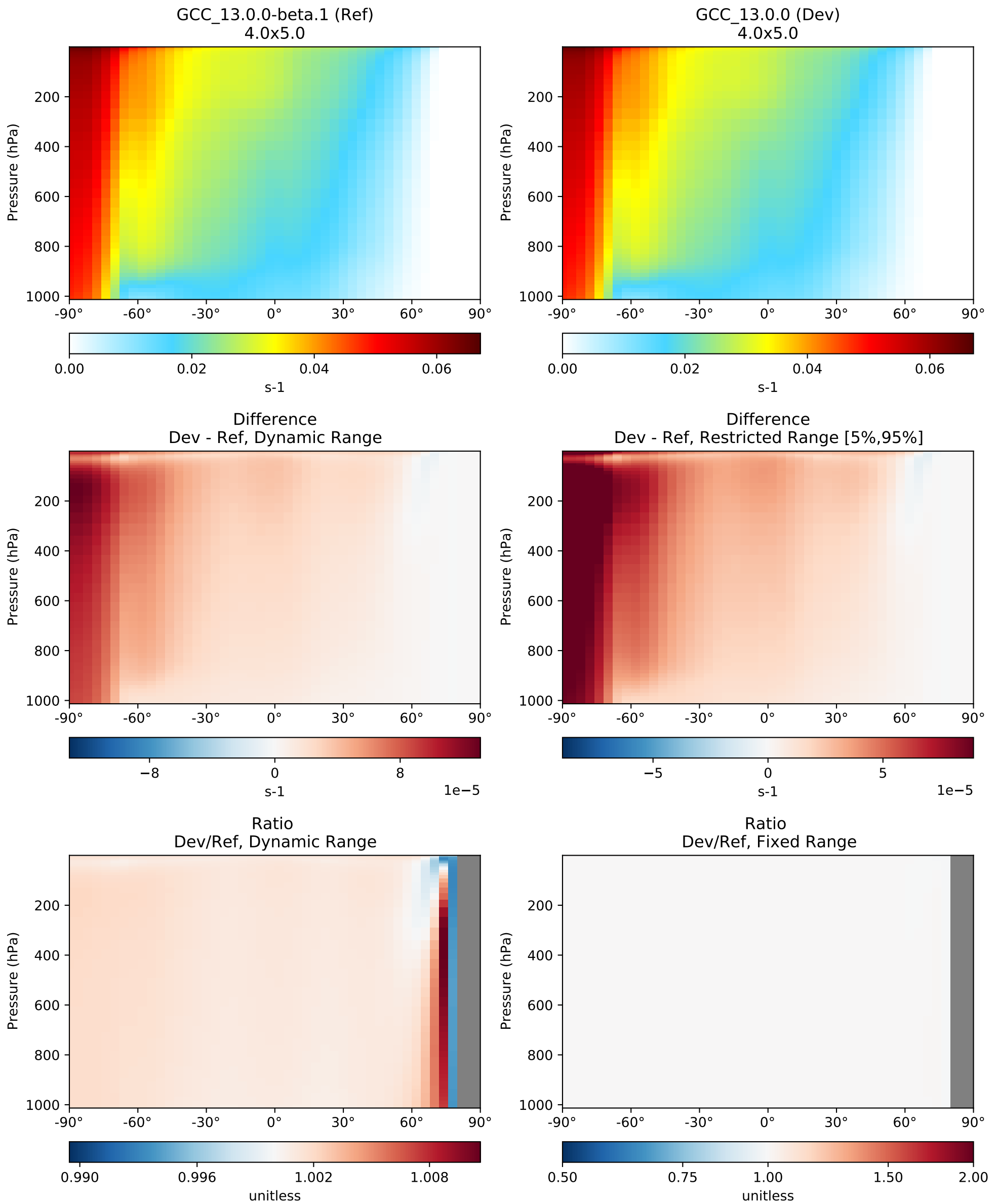
Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

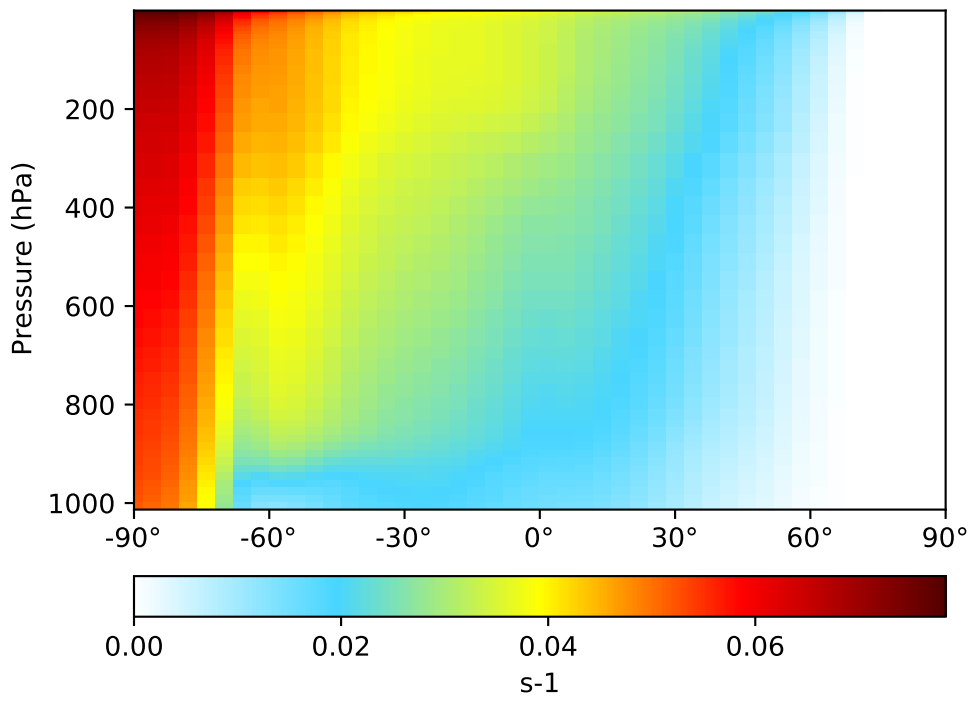


# Jval\_I2O3, Zonal Mean (Jan2019)

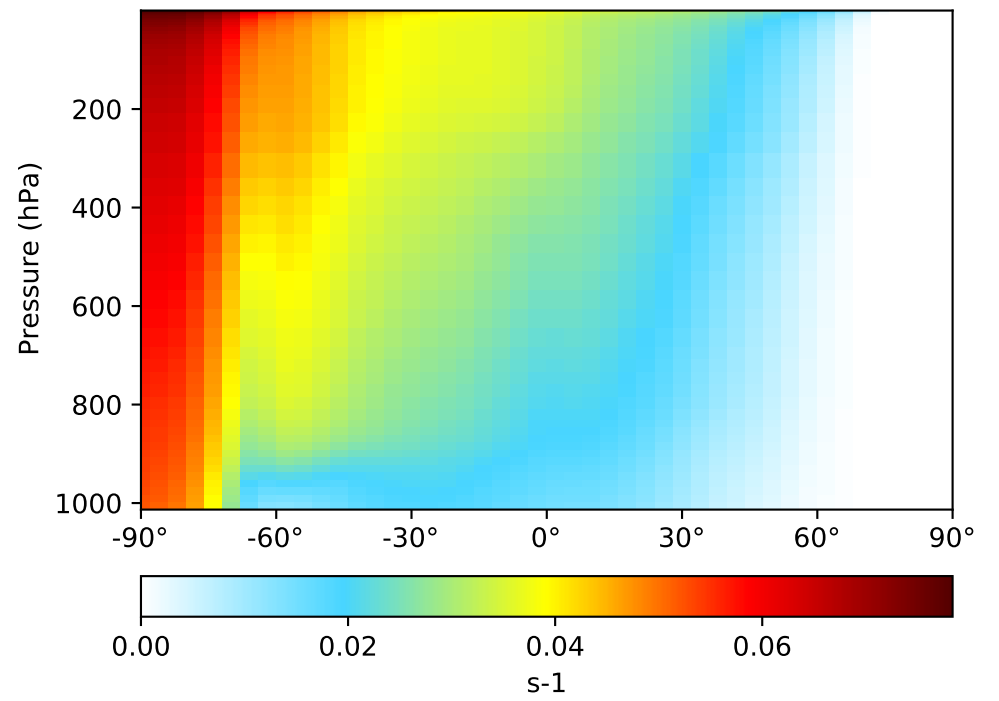


# Jval\_I2O4, Zonal Mean (Jan2019)

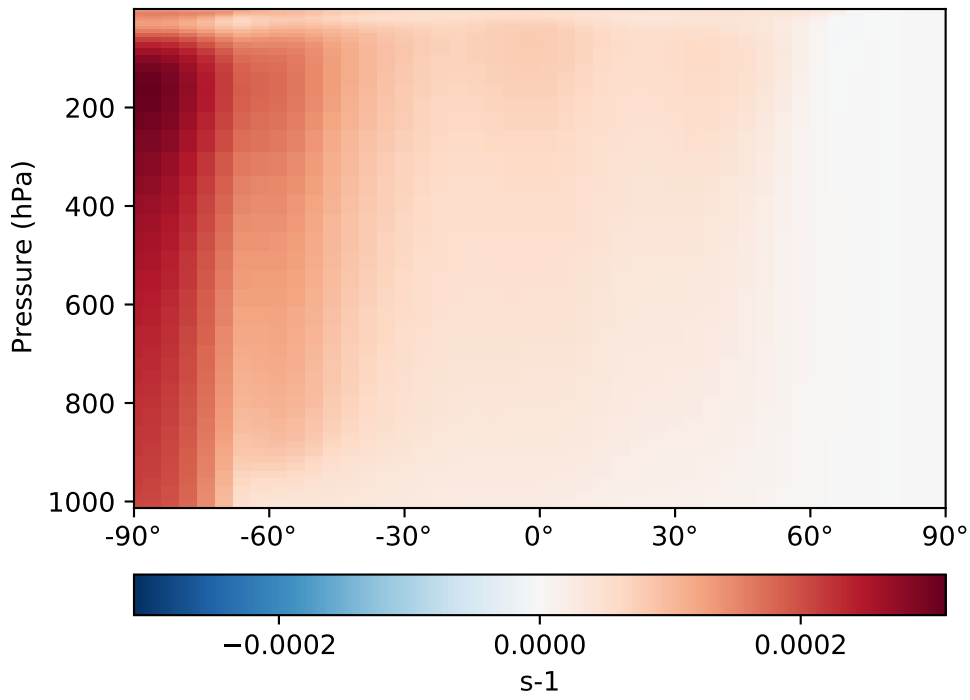
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



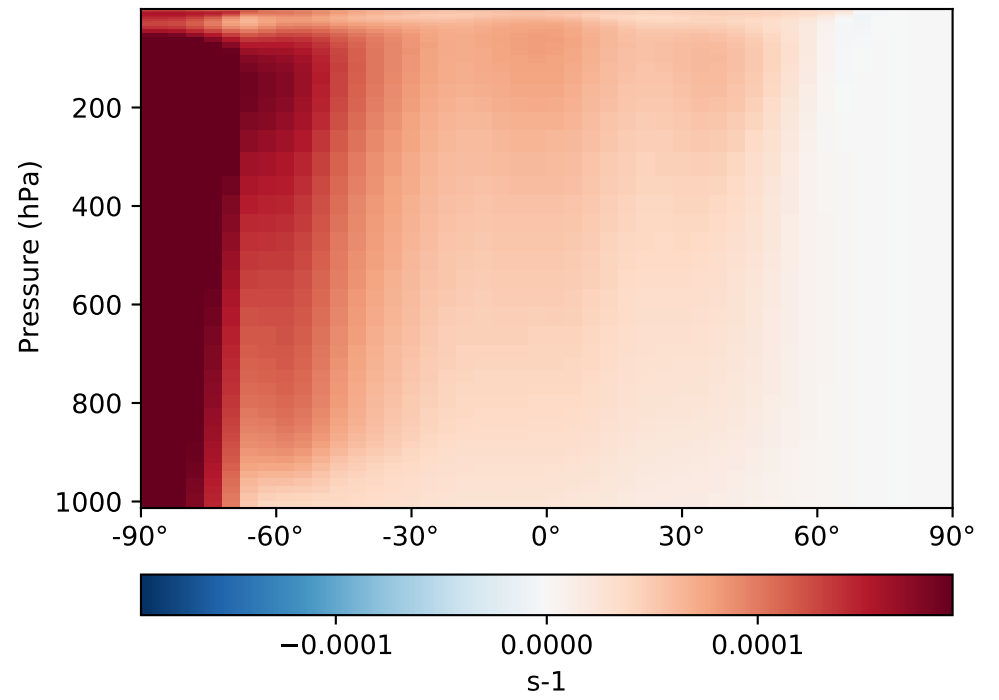
GCC\_13.0.0 (Dev)  
4.0x5.0



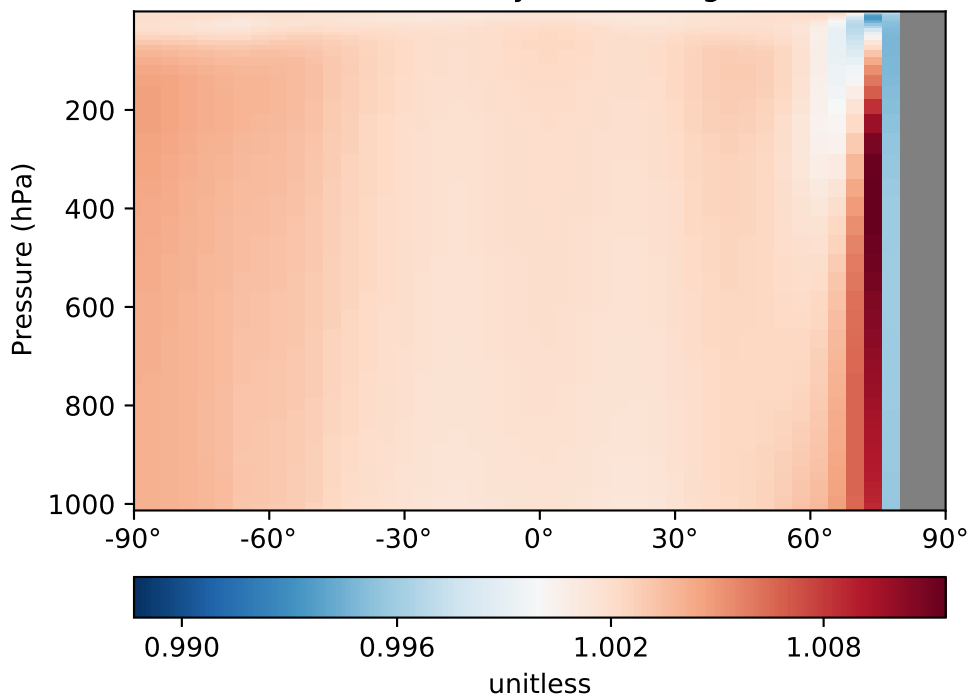
Difference  
Dev - Ref, Dynamic Range



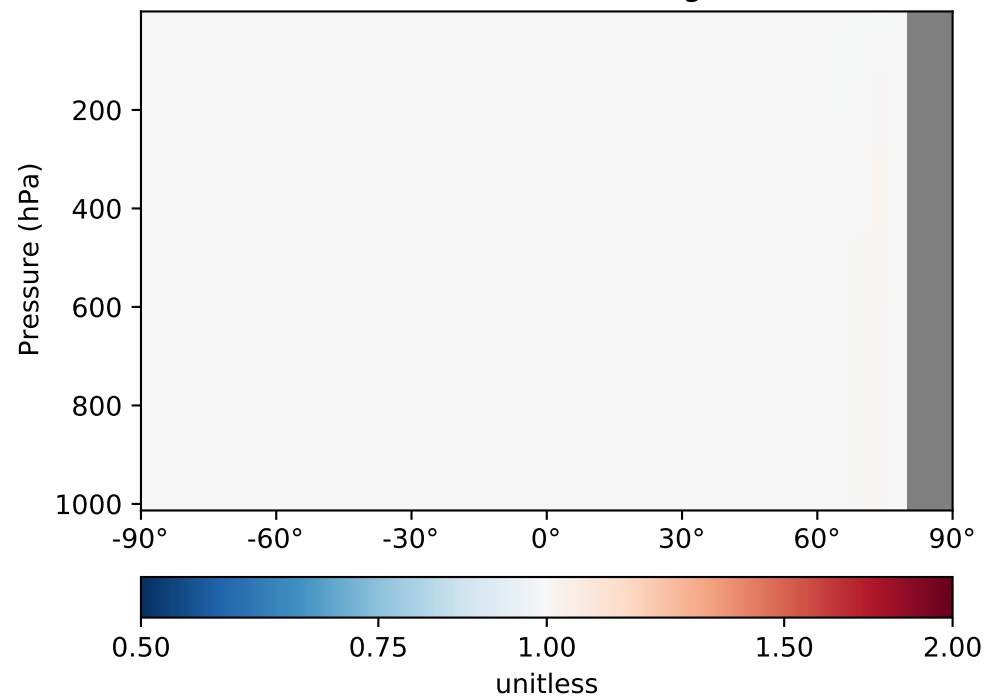
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



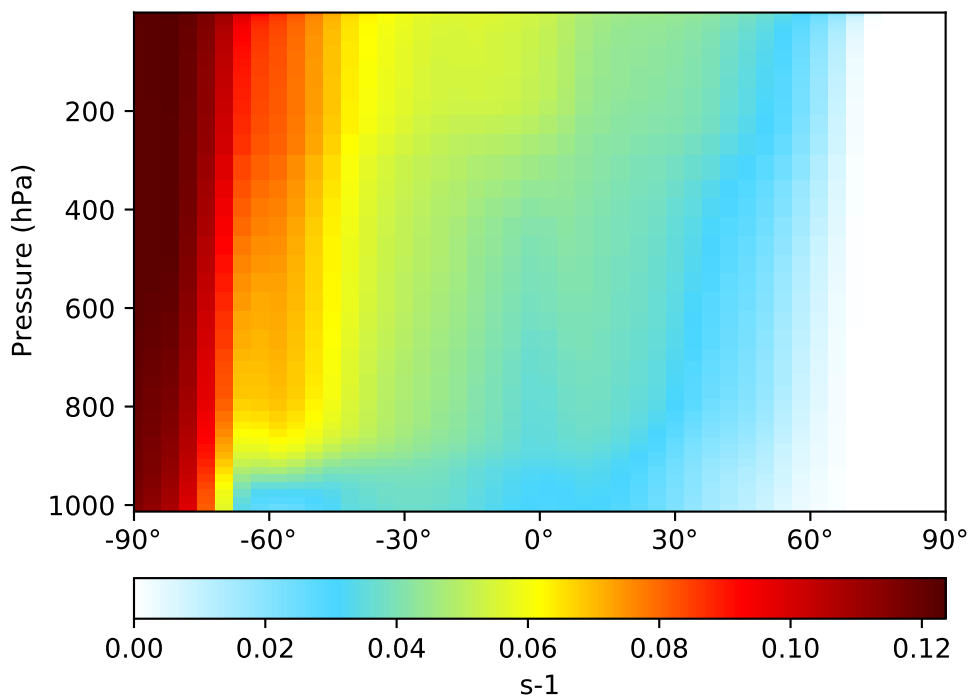
Ratio  
Dev/Ref, Fixed Range



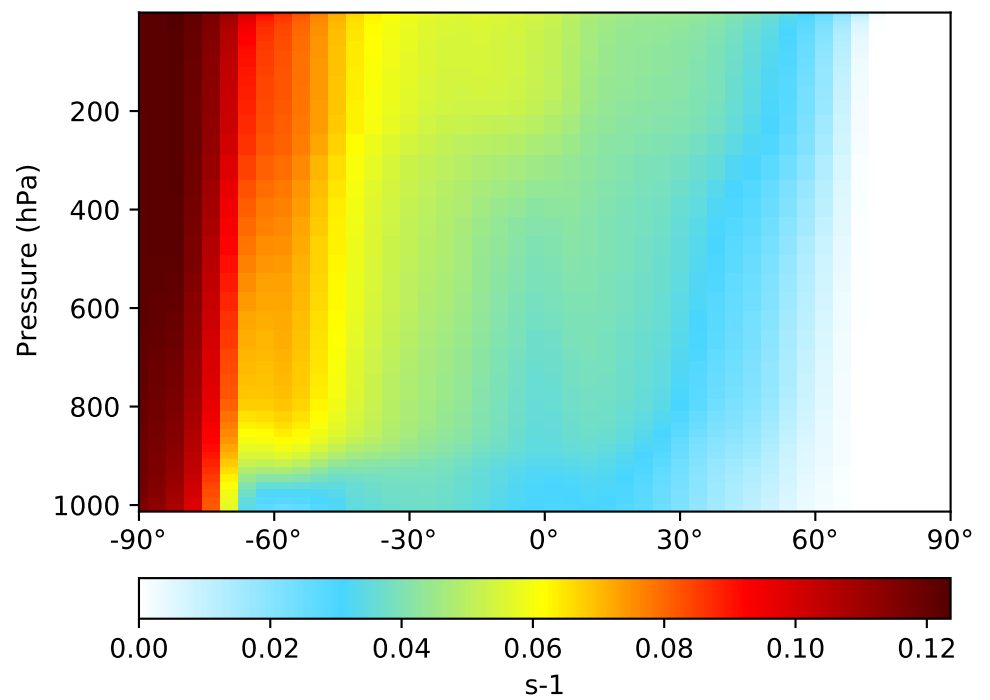


# Jval\_IBr, Zonal Mean (Jan2019)

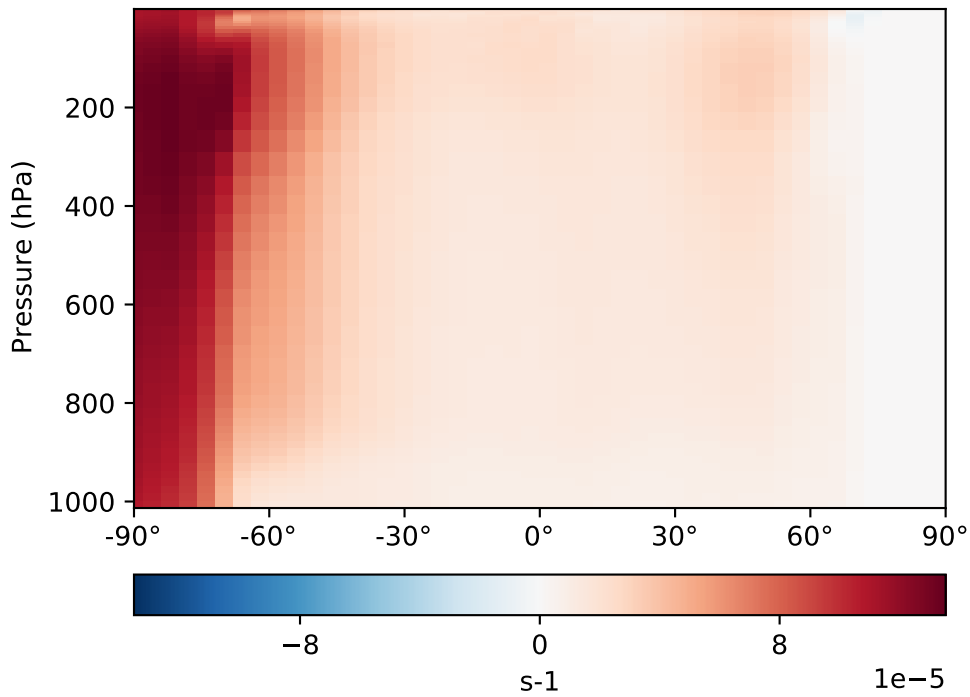
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



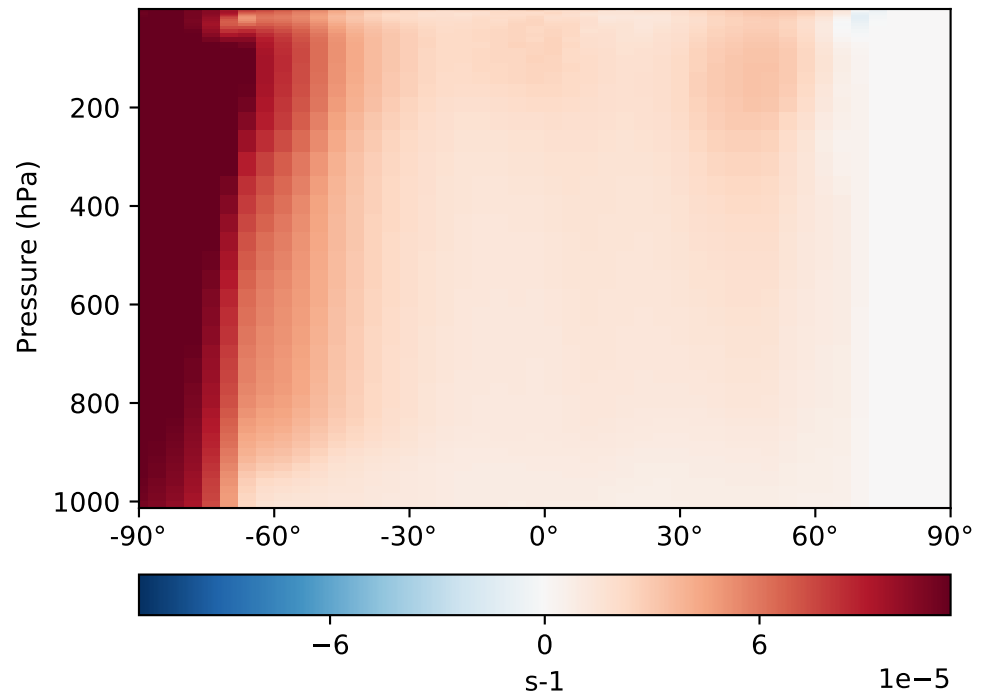
GCC\_13.0.0 (Dev)  
4.0x5.0



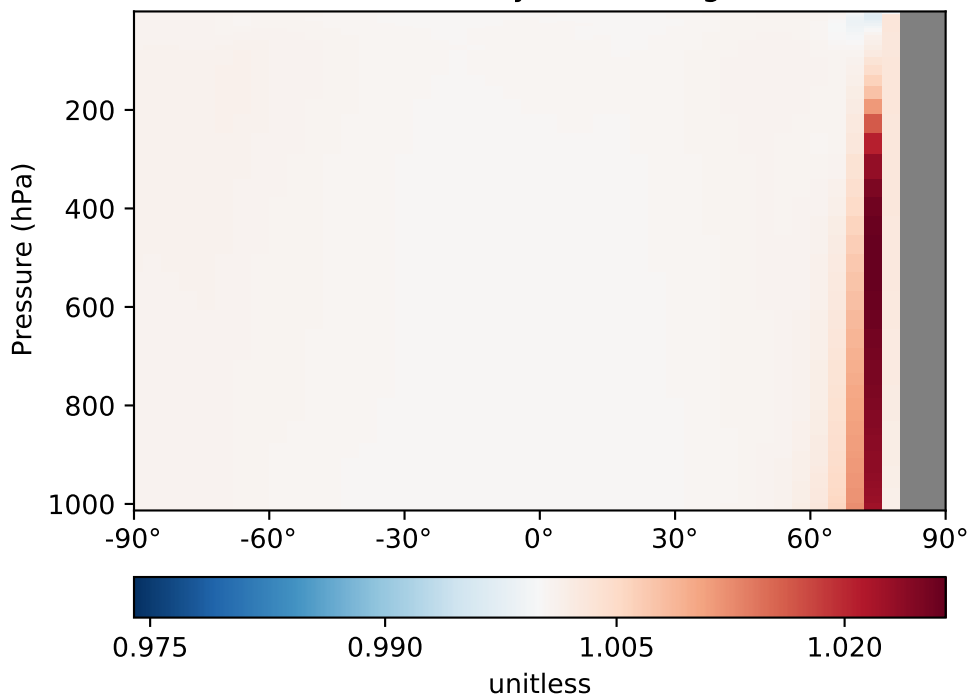
Difference  
Dev - Ref, Dynamic Range



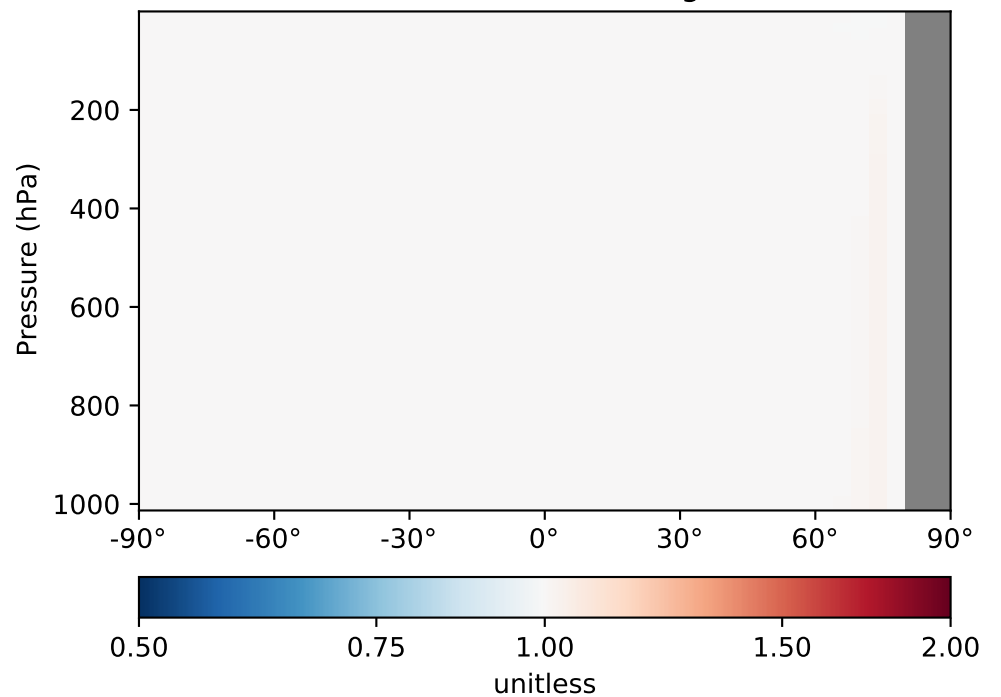
Difference  
Dev - Ref, Restricted Range [5%,95%]



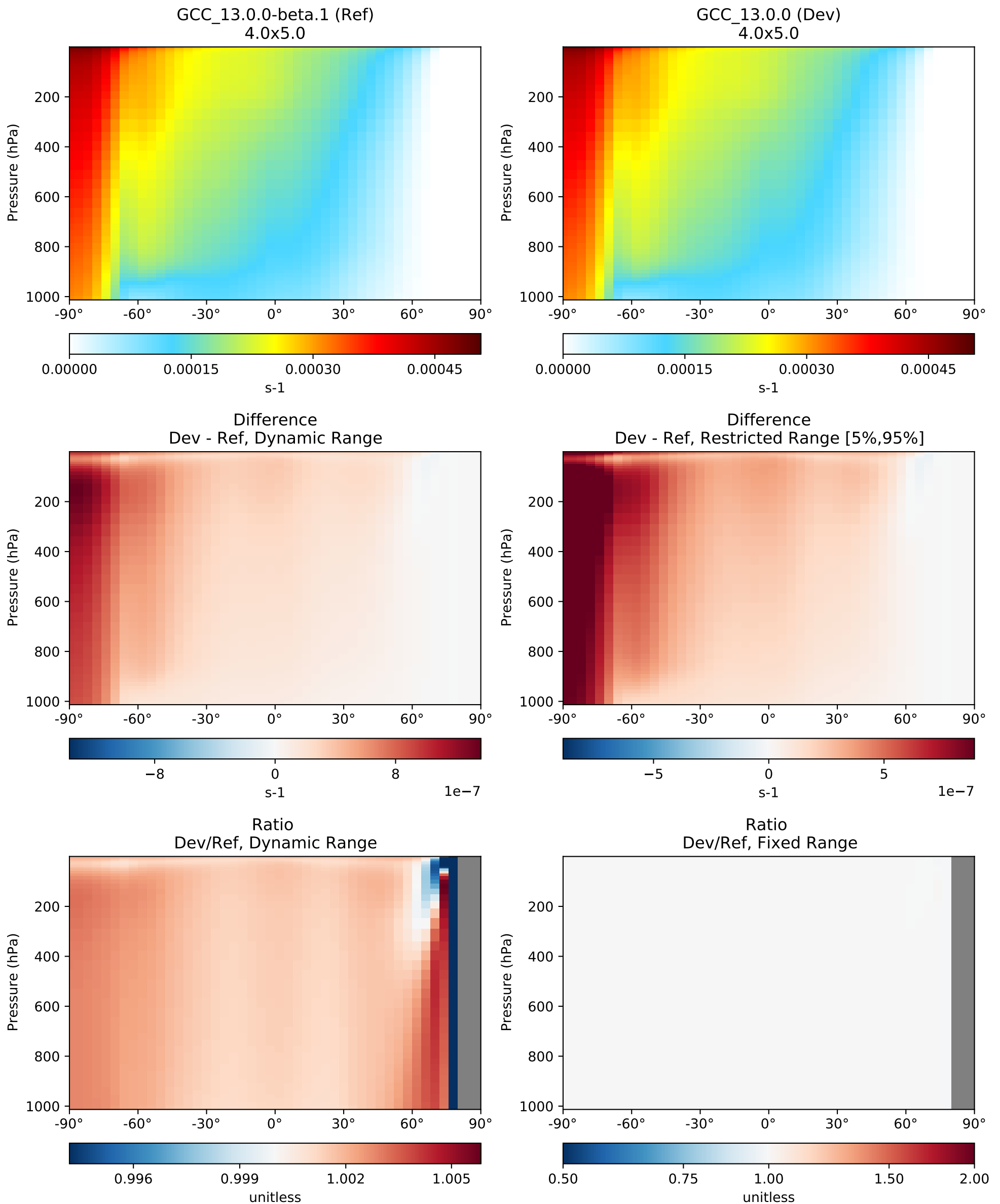
Ratio  
Dev/Ref, Dynamic Range



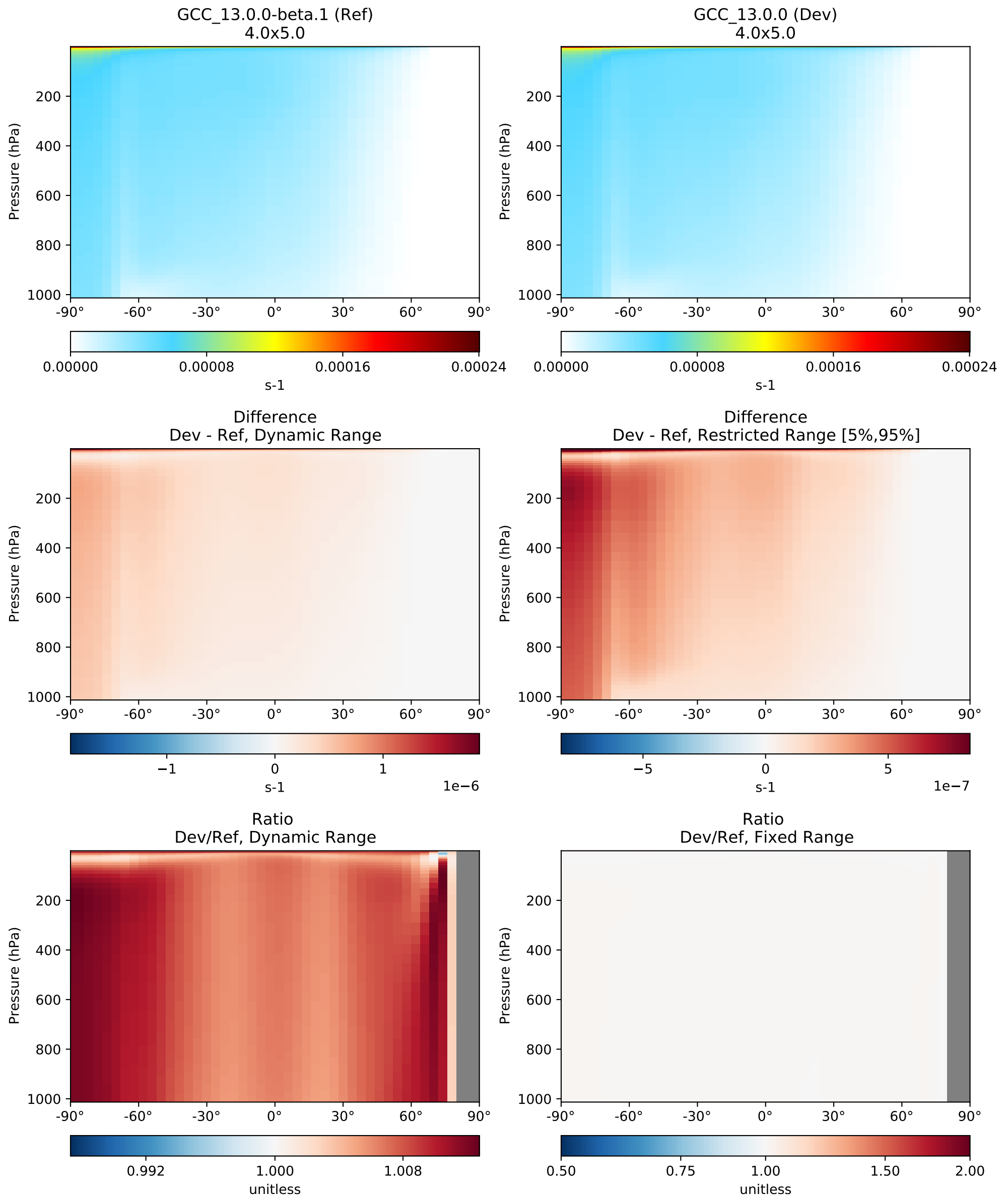
Ratio  
Dev/Ref, Fixed Range



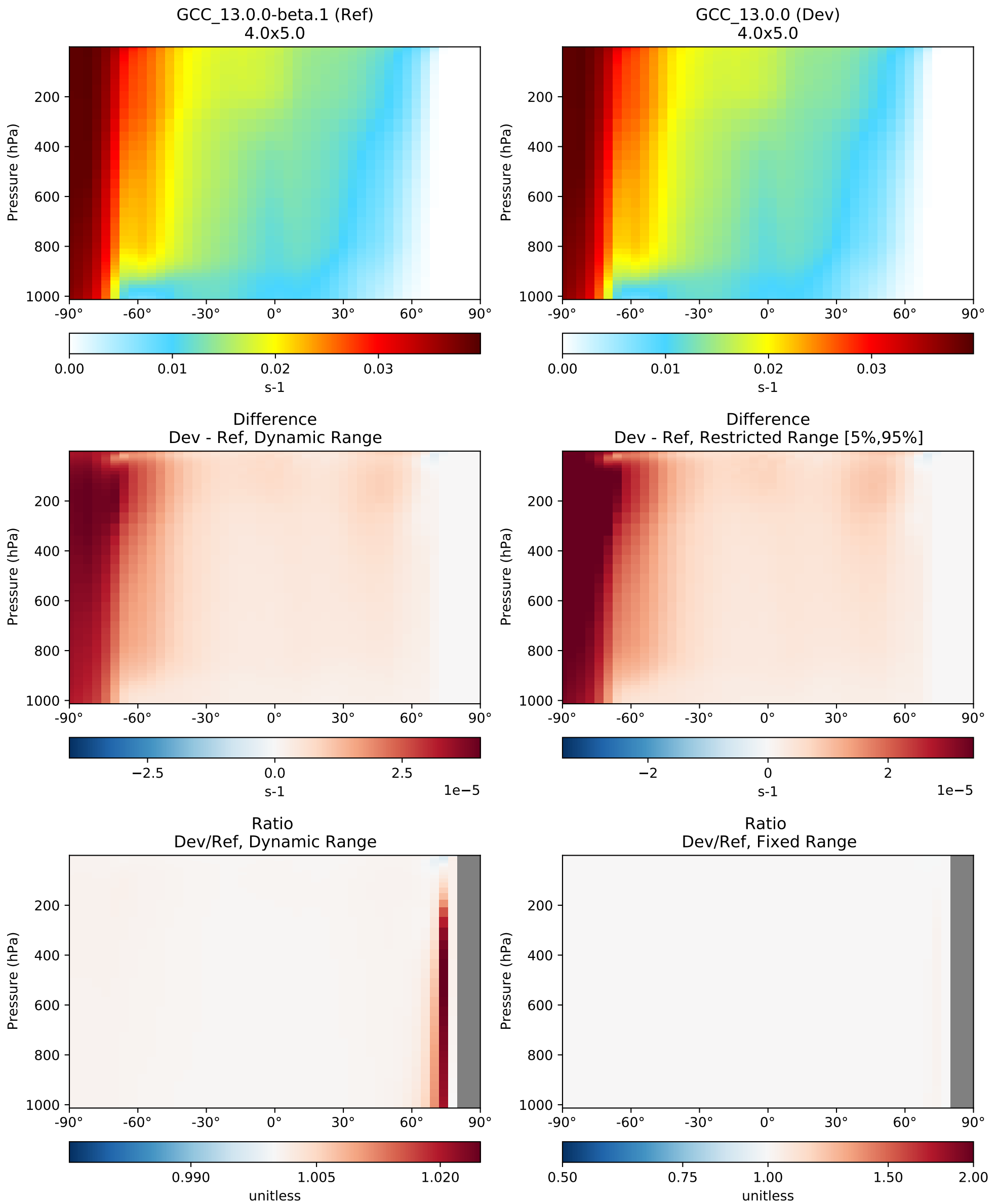
# Jval\_ICN, Zonal Mean (Jan2019)



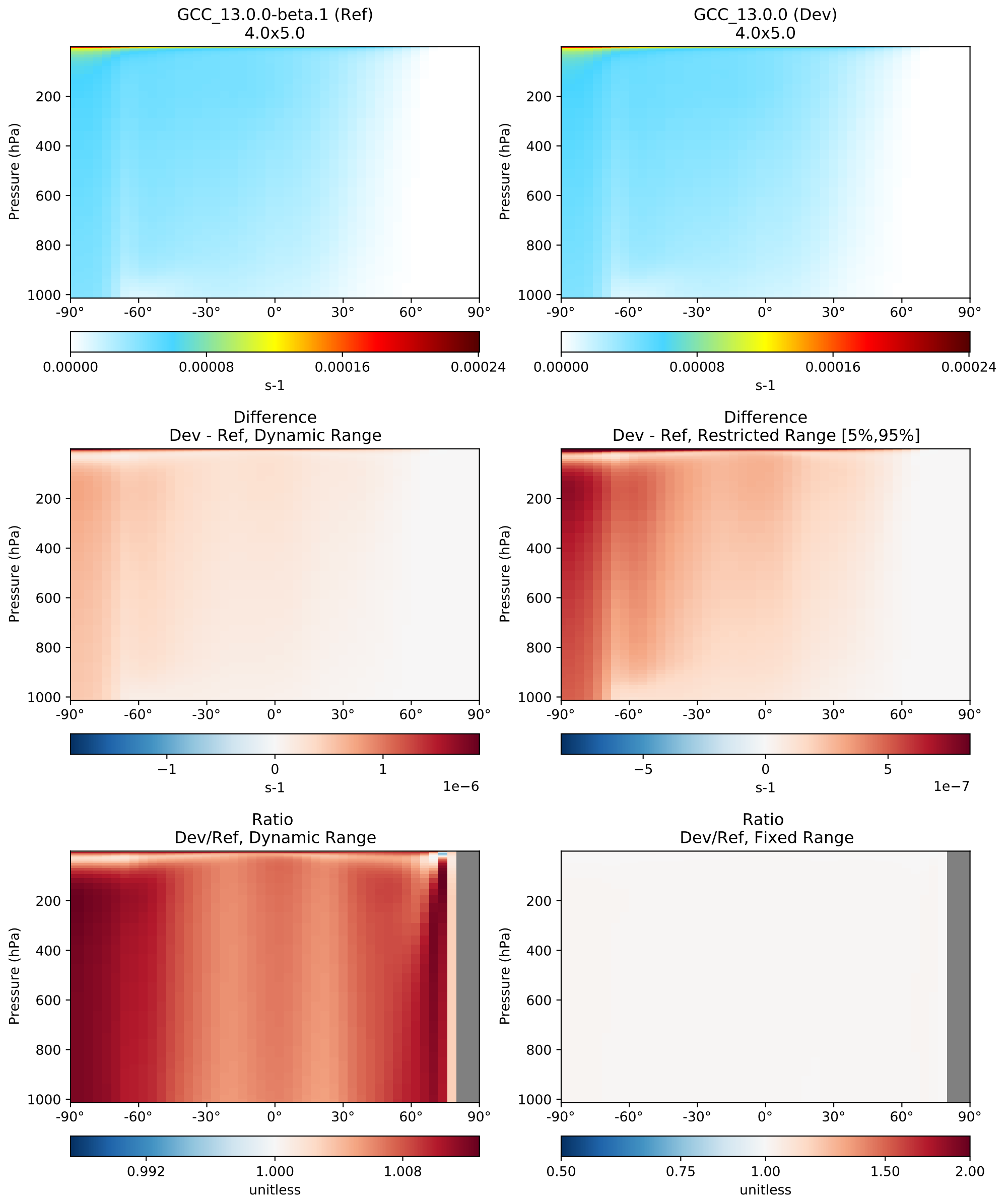
# Jval\_ICPDH, Zonal Mean (Jan2019)



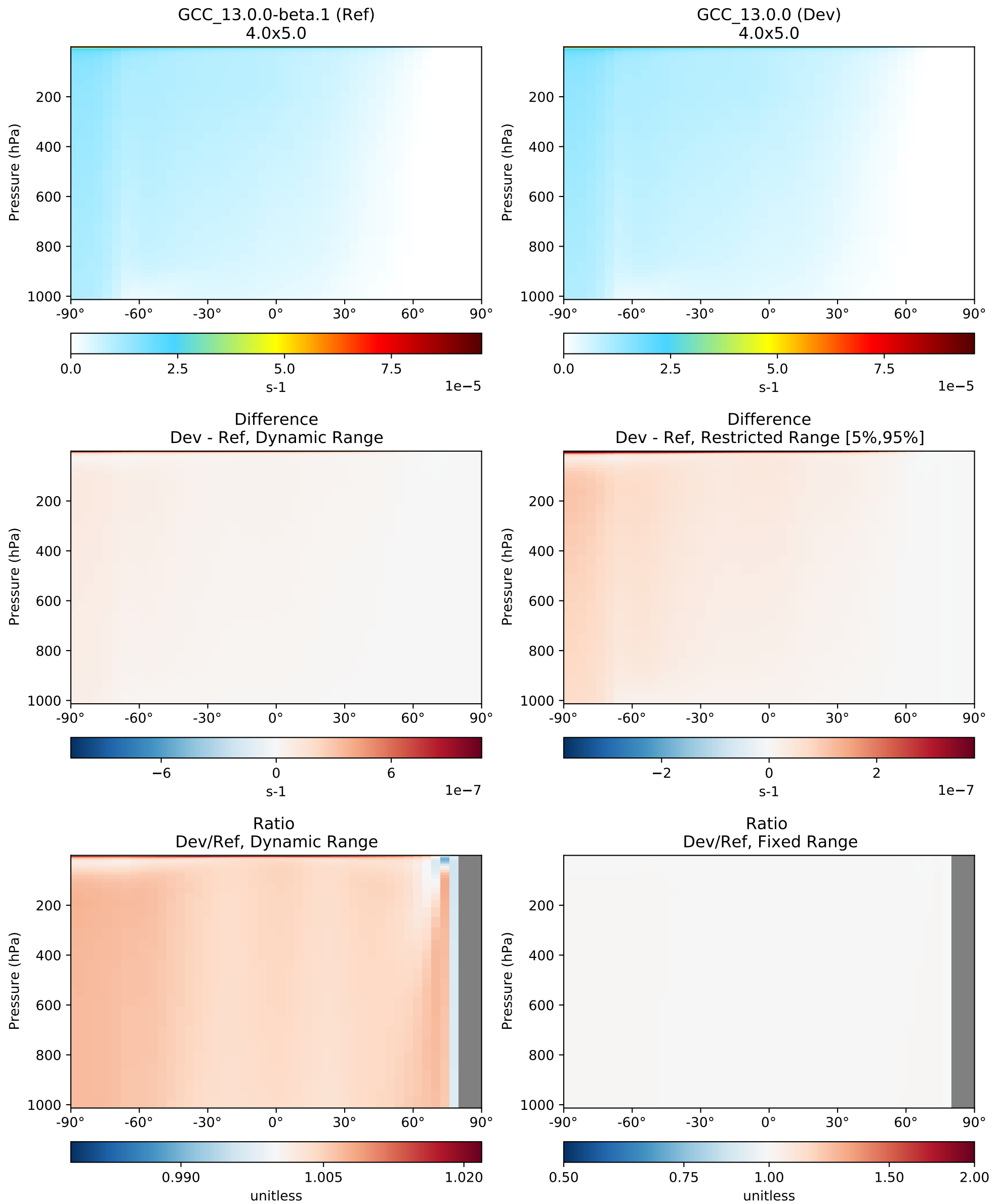
# Jval\_ICI, Zonal Mean (Jan2019)



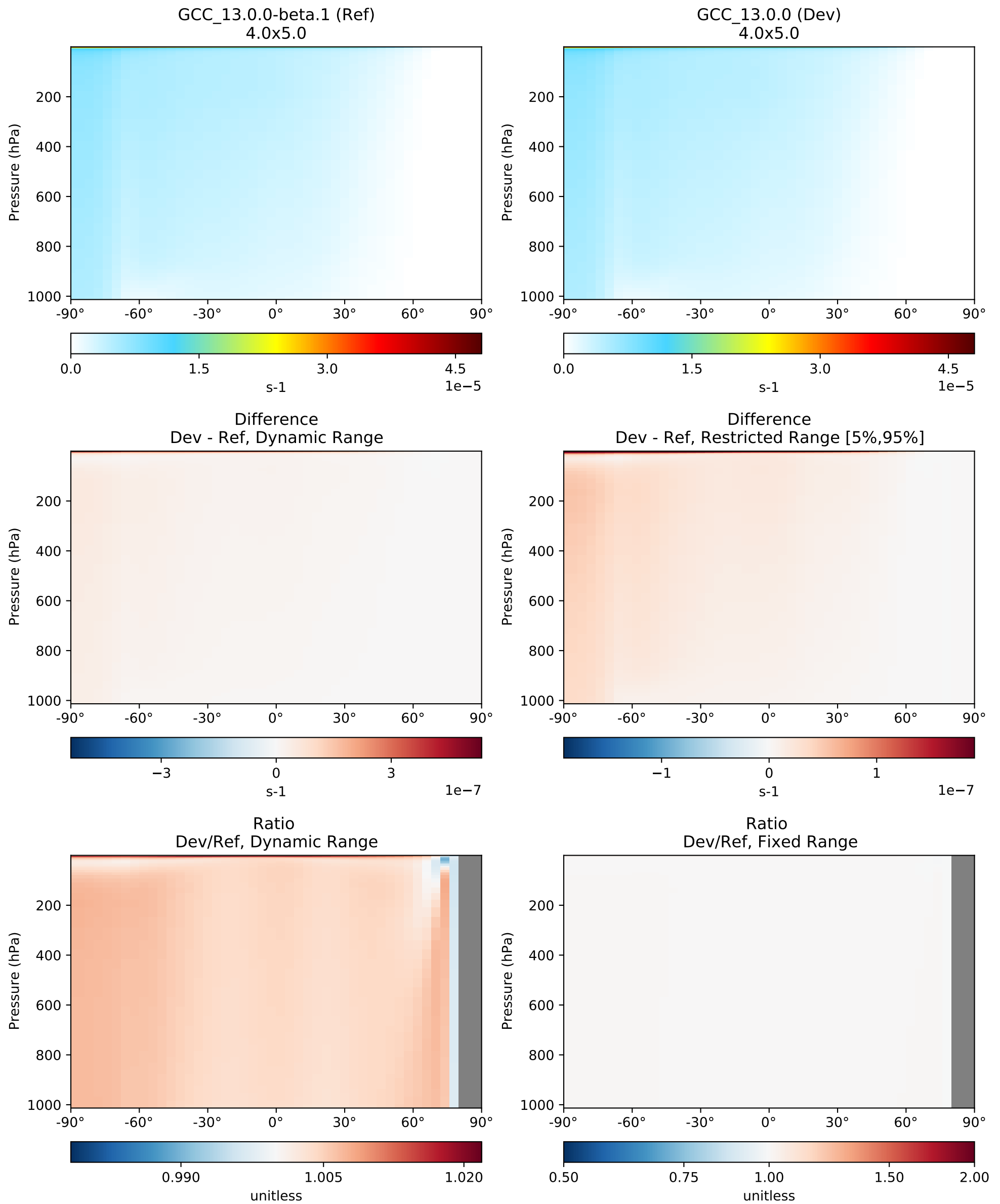
# Jval\_IDCHP, Zonal Mean (Jan2019)



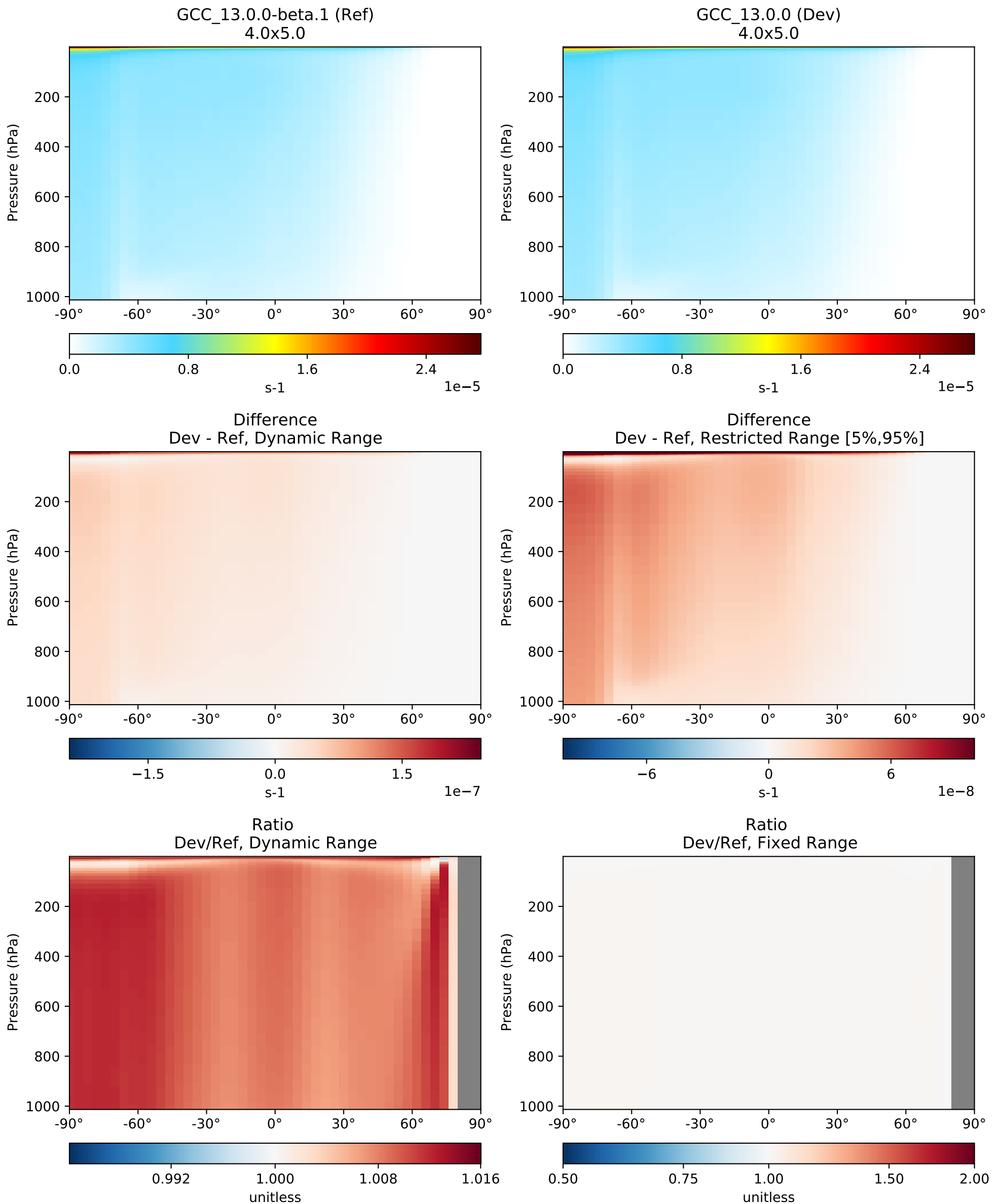
# Jval\_IDHDP, Zonal Mean (Jan2019)



# Jval\_IDHPE, Zonal Mean (Jan2019)

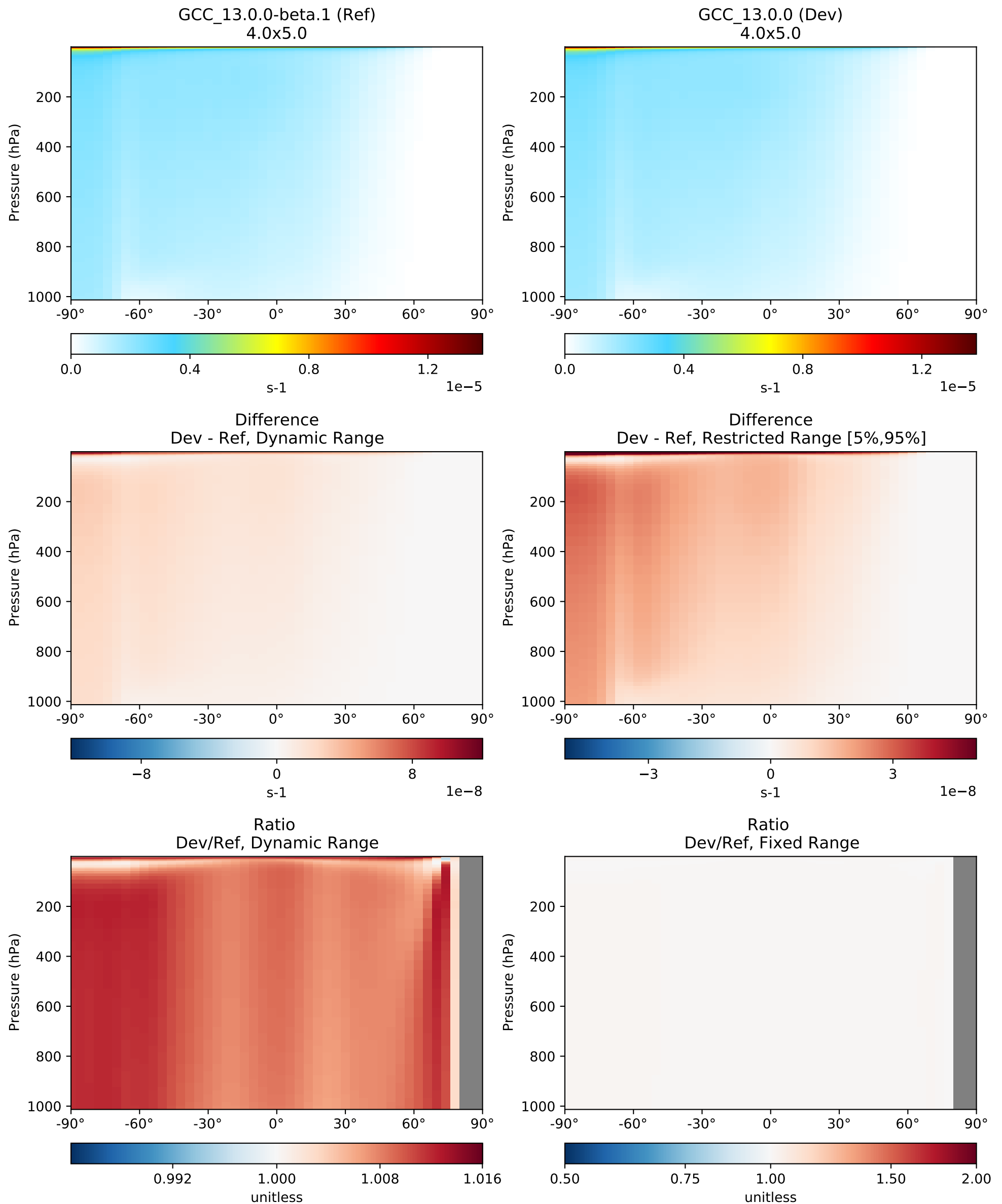


# Jval\_IDN, Zonal Mean (Jan2019)

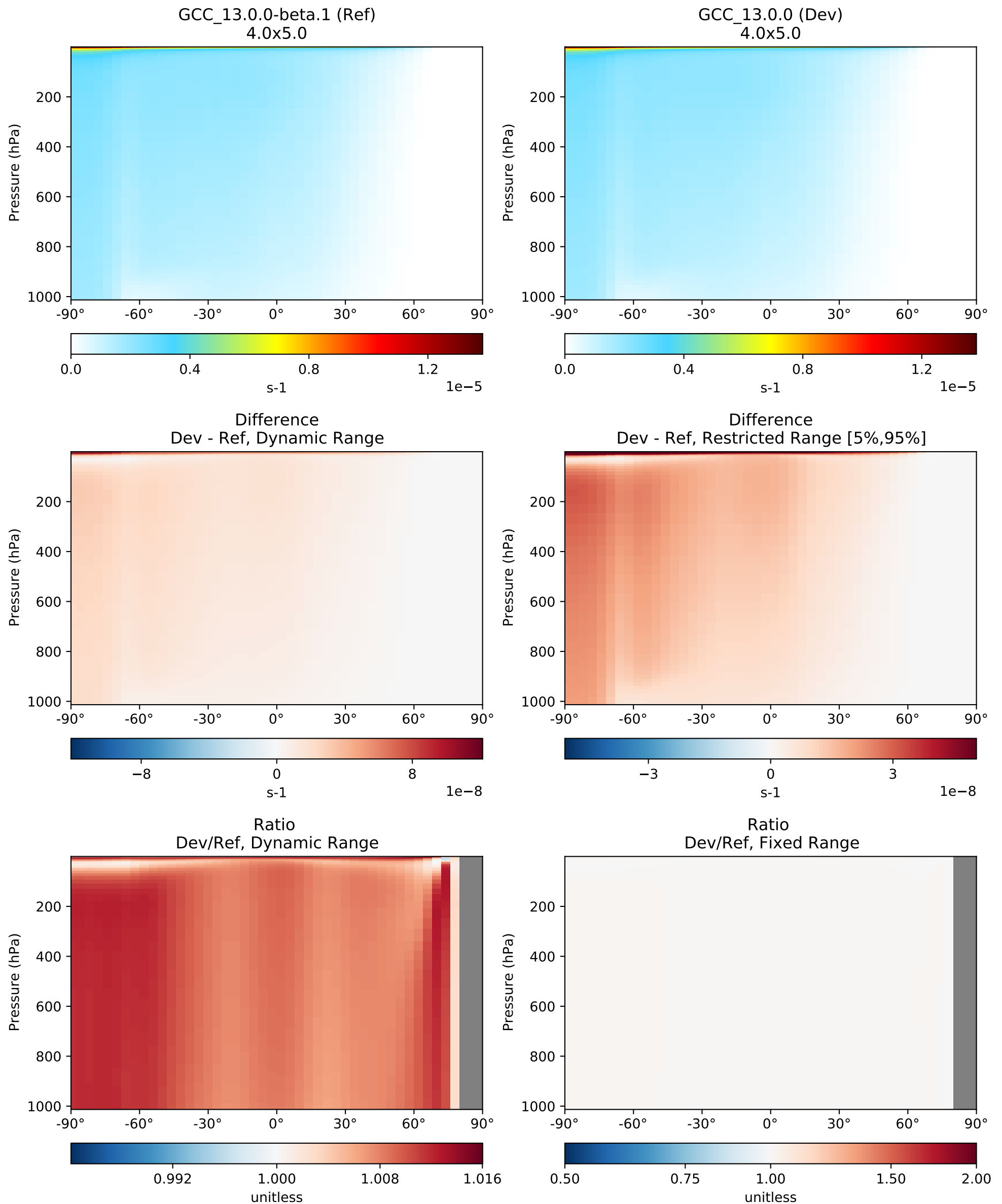




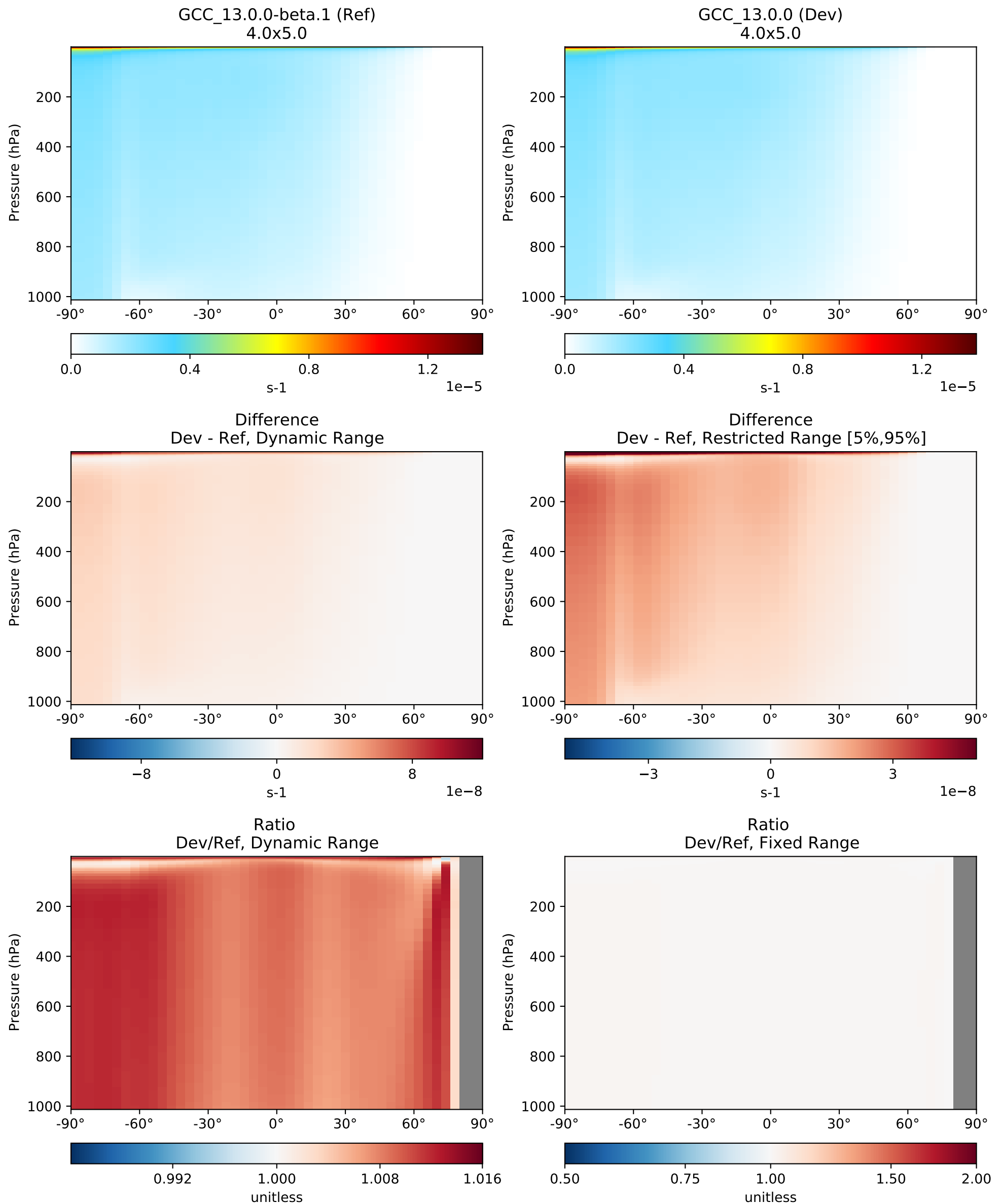
# Jval\_IHN1, Zonal Mean (Jan2019)



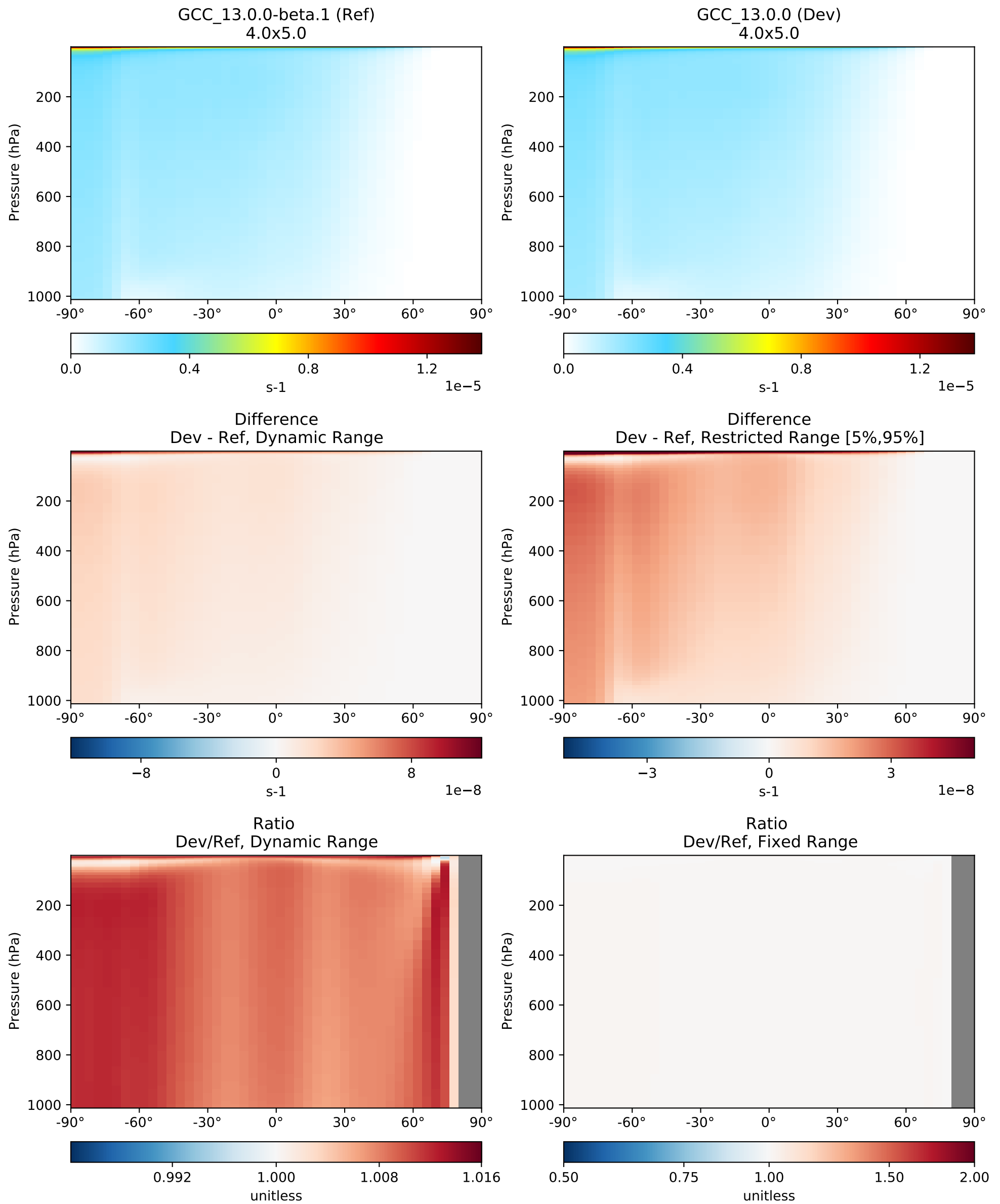
# Jval\_IHN2, Zonal Mean (Jan2019)



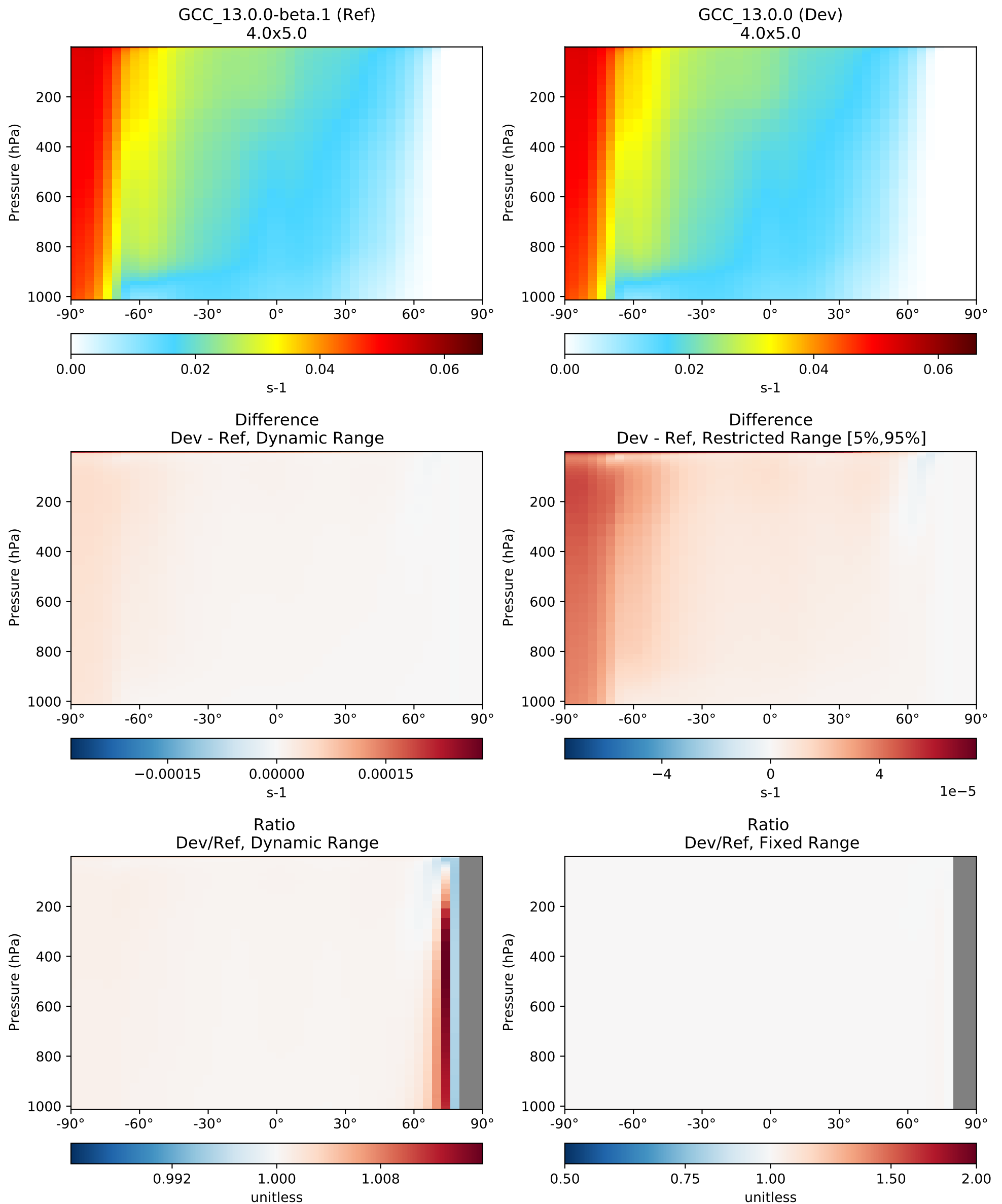
# Jval\_IHN3, Zonal Mean (Jan2019)



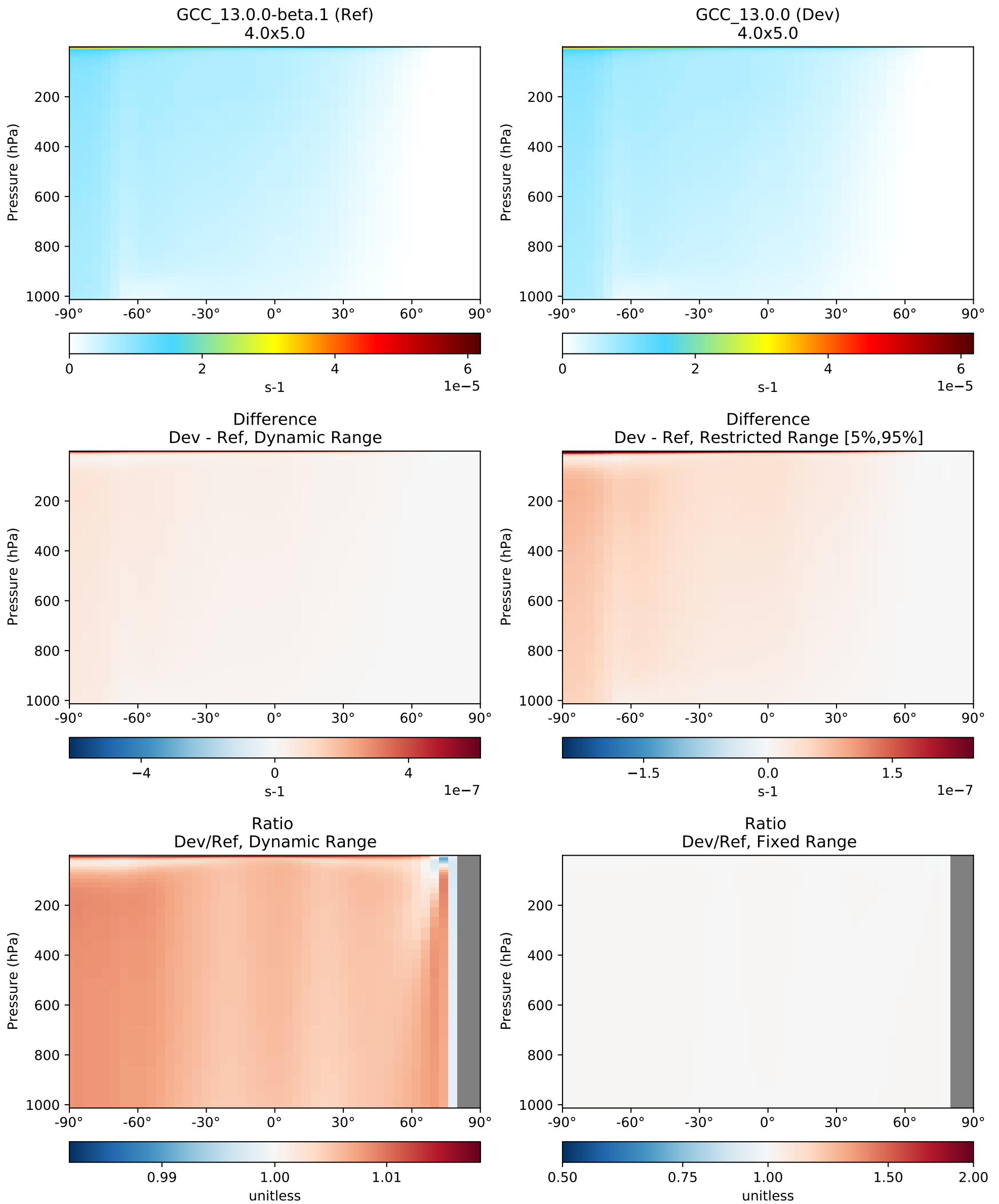
# Jval\_IHN4, Zonal Mean (Jan2019)



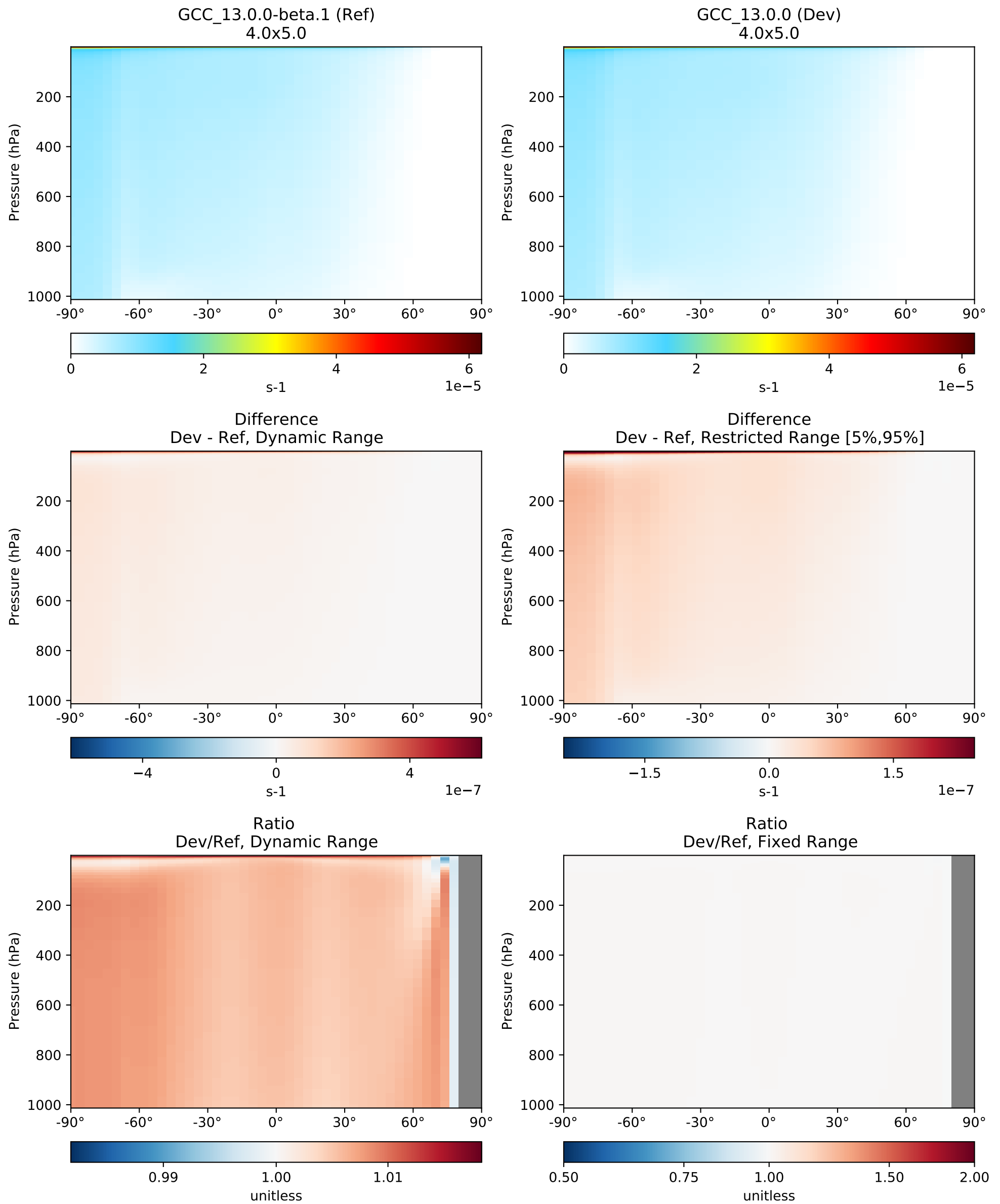
# Jval\_INO, Zonal Mean (Jan2019)



# Jval\_INPB, Zonal Mean (Jan2019)

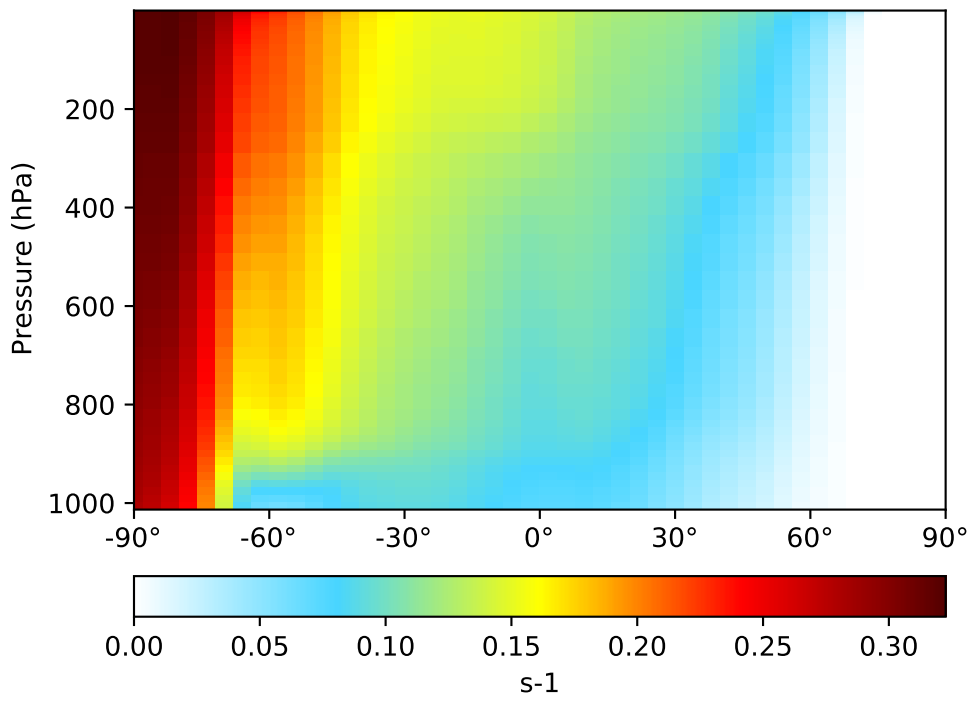


# Jval\_INPD, Zonal Mean (Jan2019)

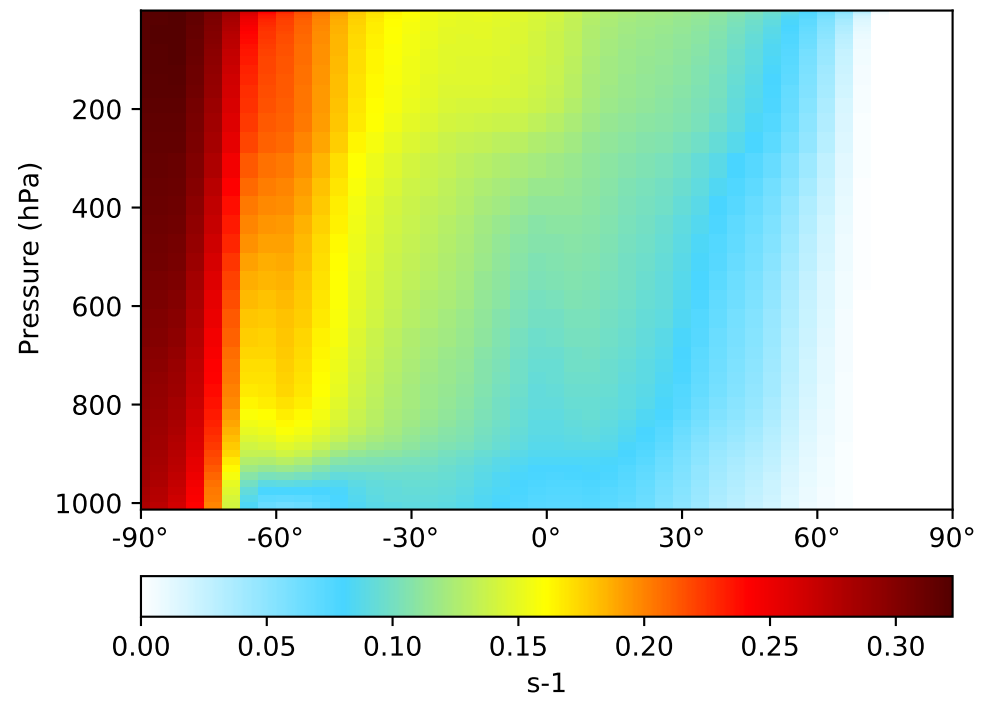


# Jval\_IO, Zonal Mean (Jan2019)

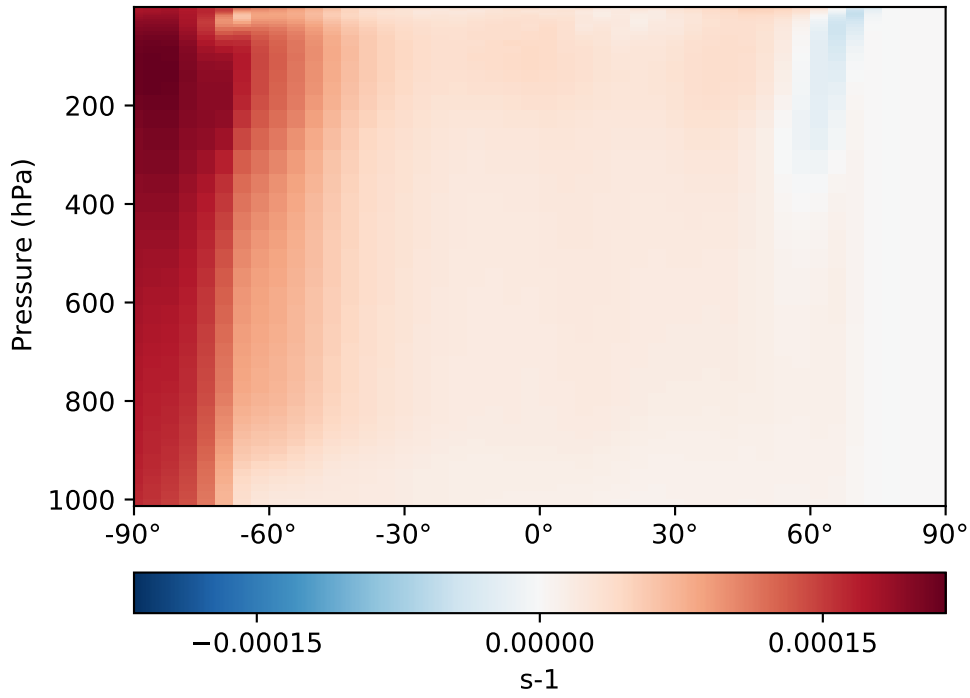
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



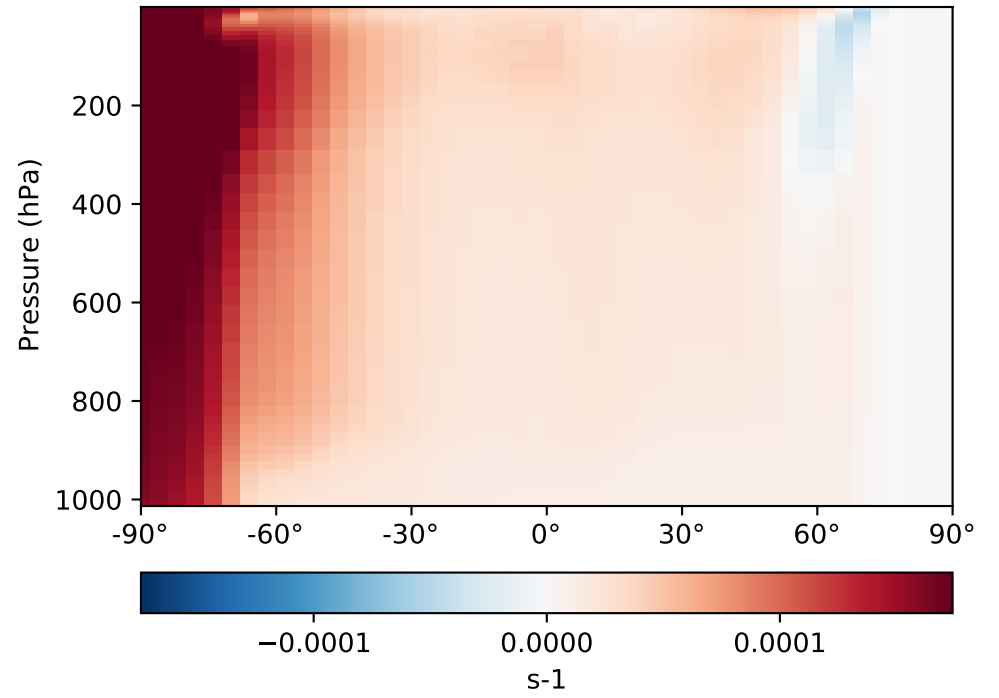
GCC\_13.0.0 (Dev)  
4.0x5.0



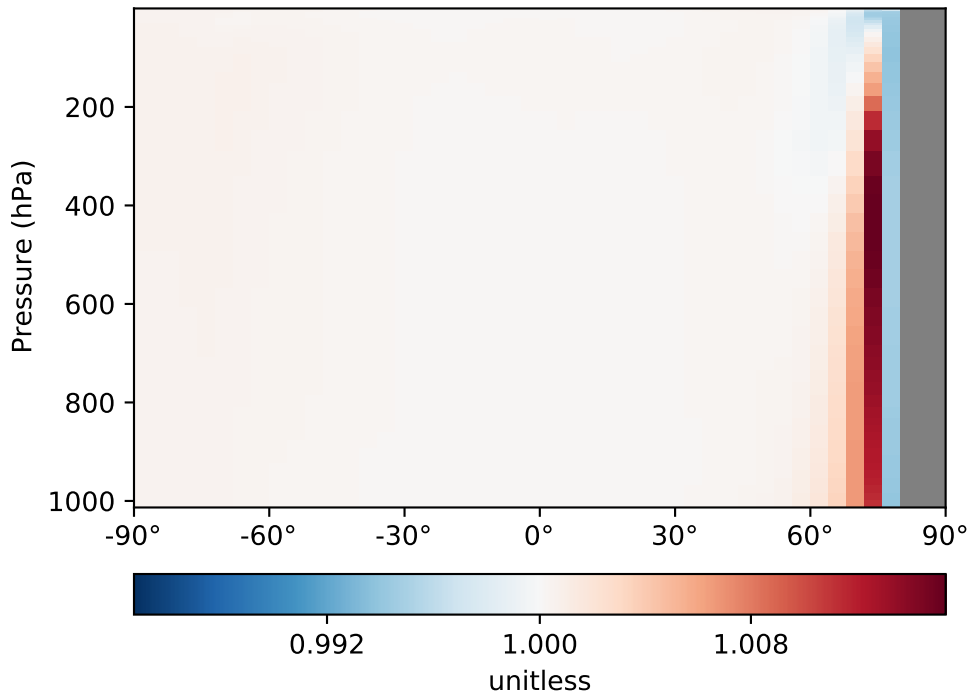
Difference  
Dev - Ref, Dynamic Range



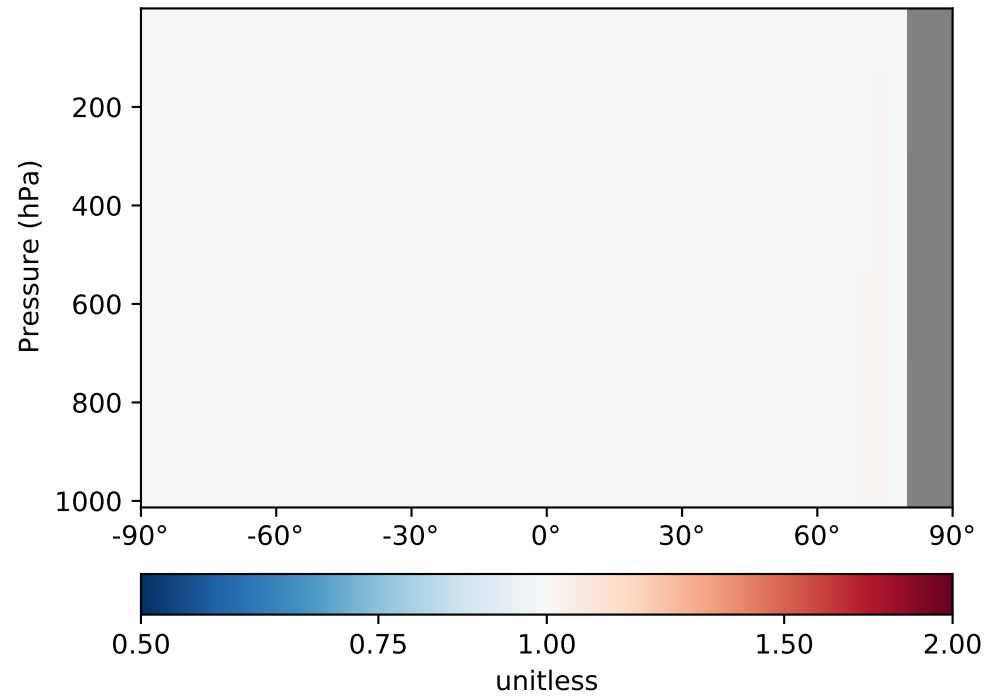
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

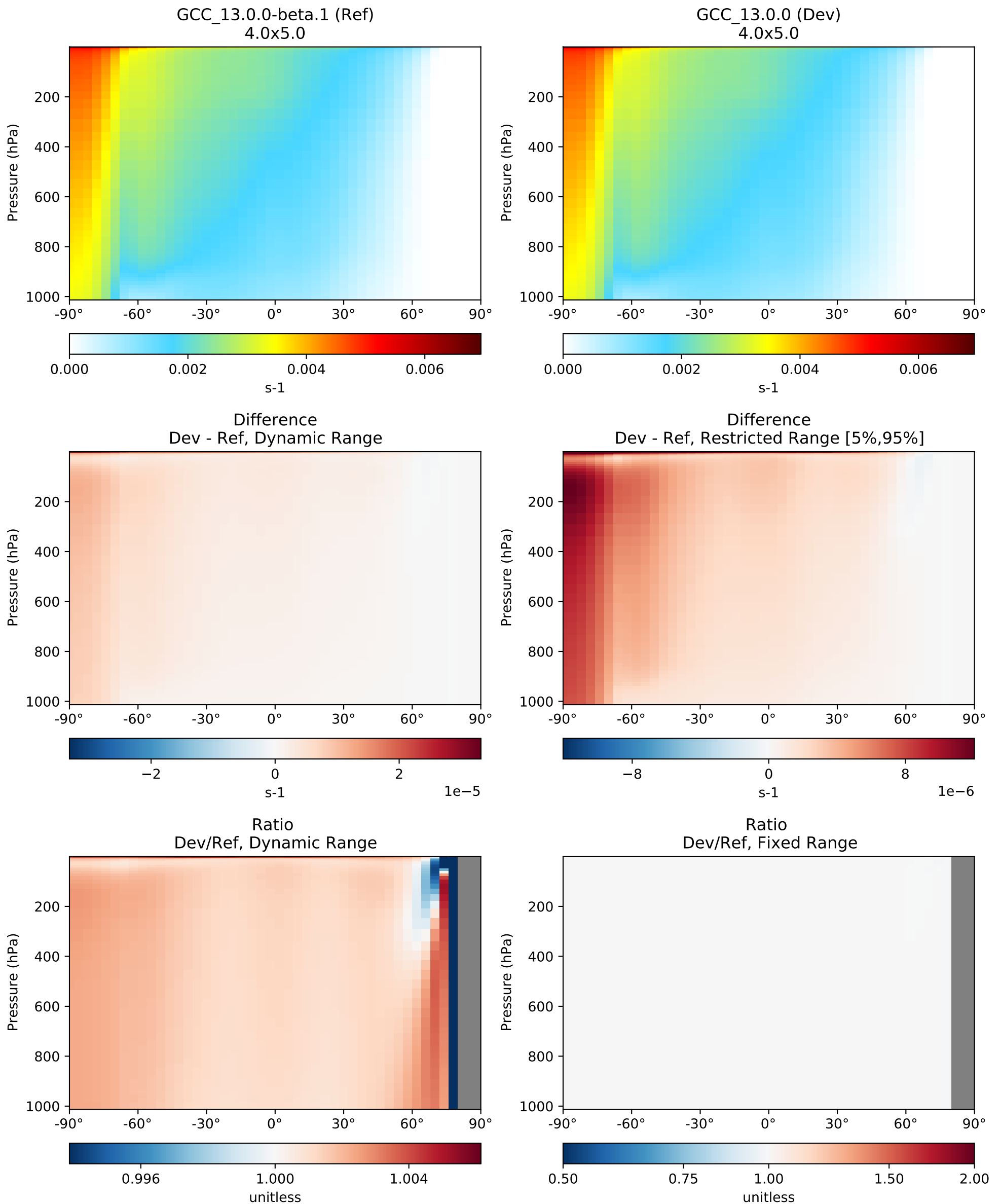


Ratio  
Dev/Ref, Fixed Range

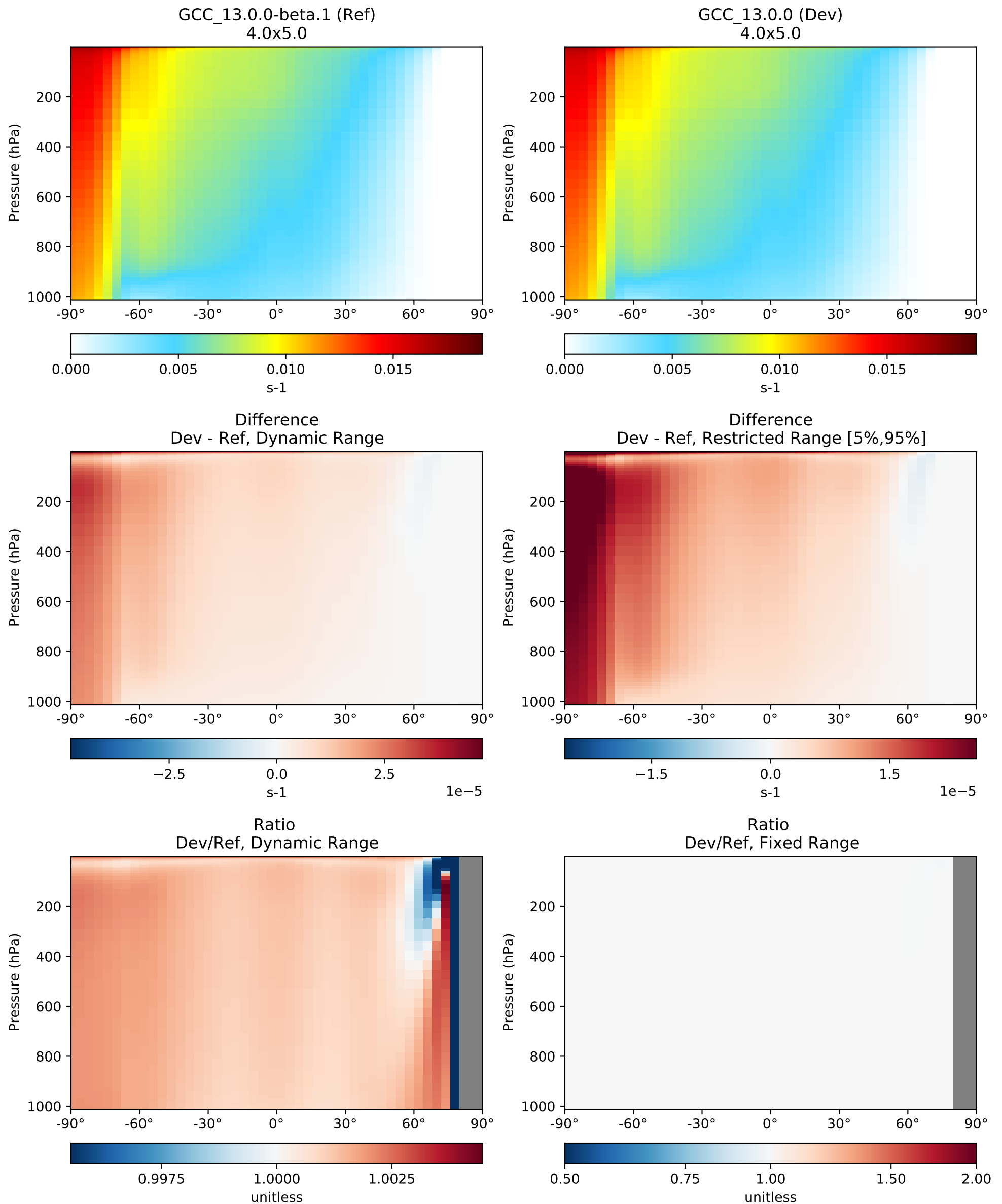




# Jval\_IONO, Zonal Mean (Jan2019)

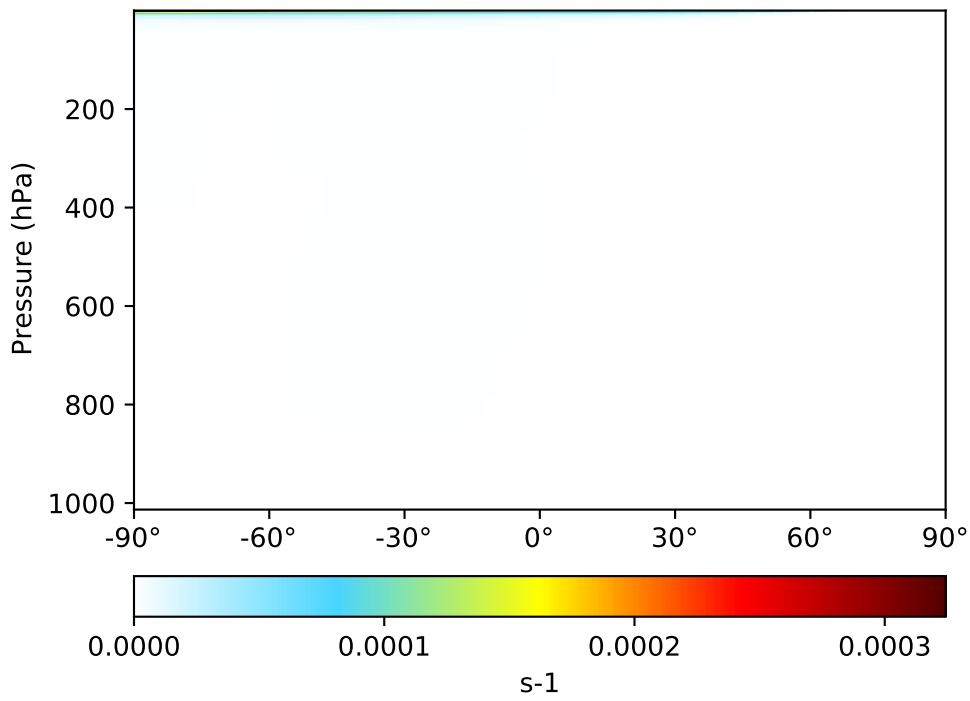


# Jval\_IONO2, Zonal Mean (Jan2019)

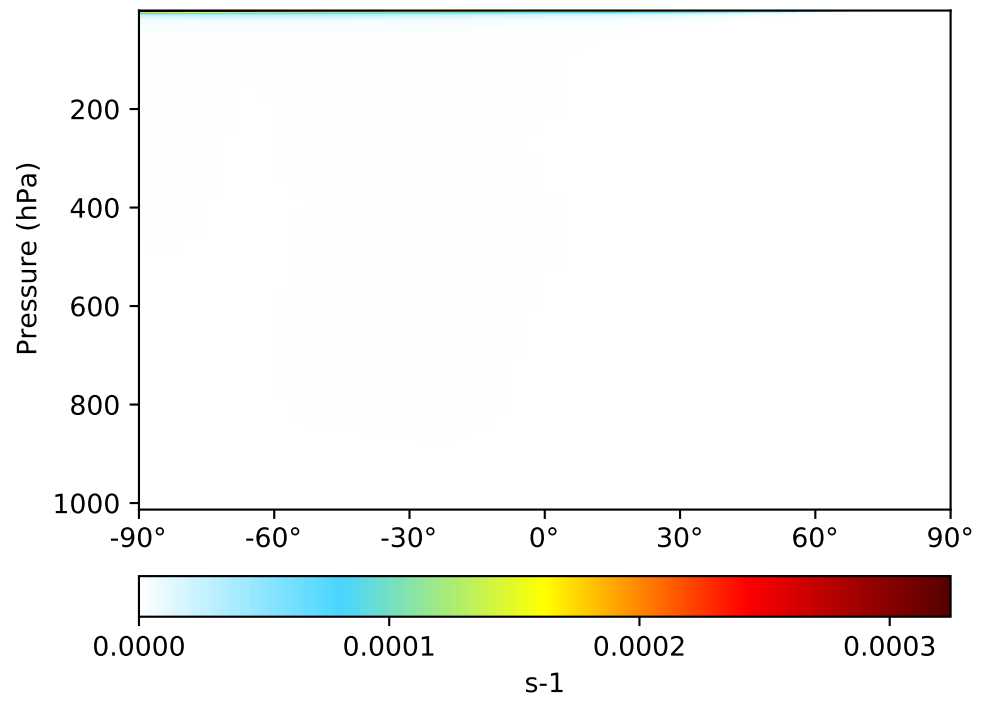


# Jval\_IPRNO3, Zonal Mean (Jan2019)

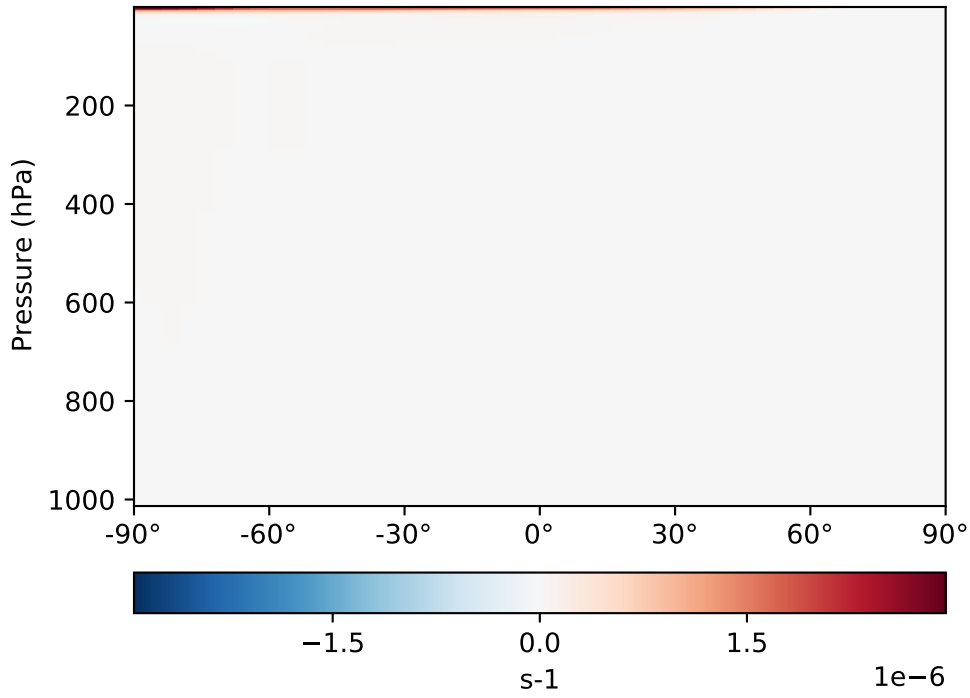
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



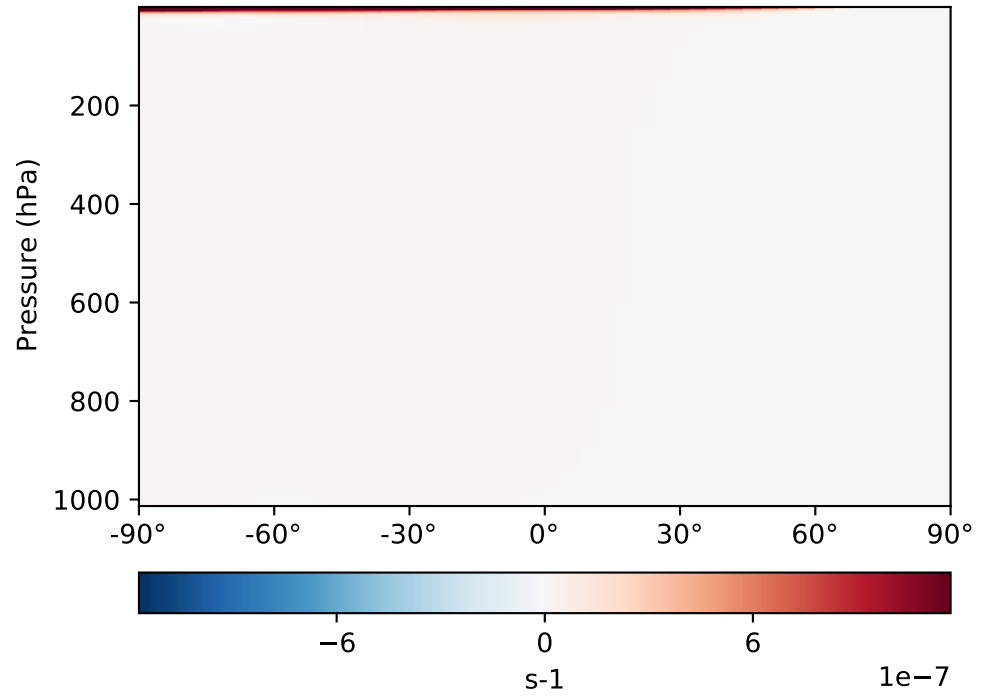
GCC\_13.0.0 (Dev)  
4.0x5.0



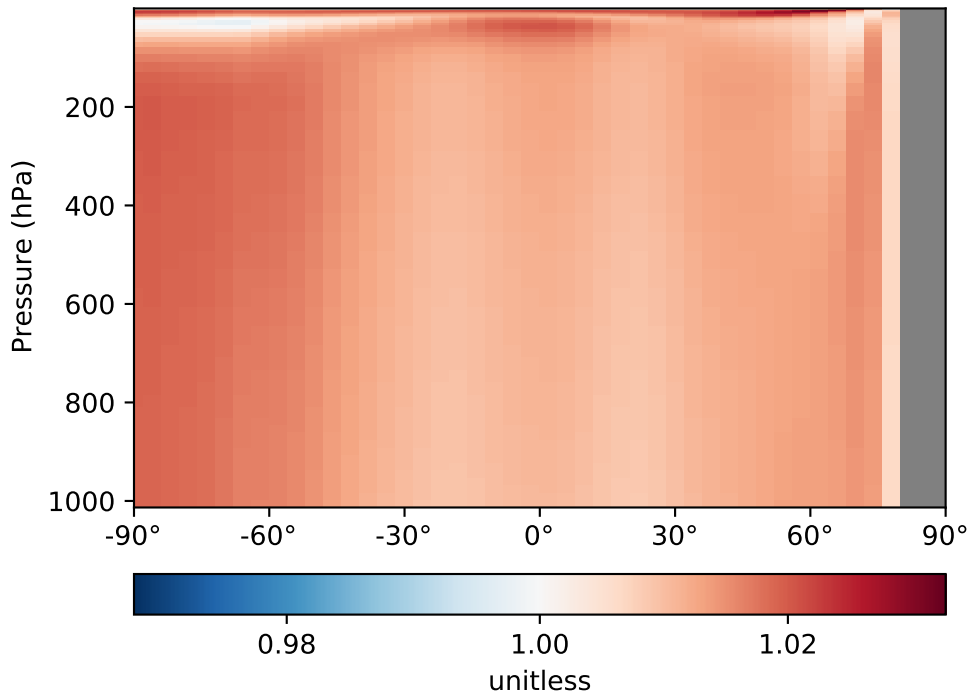
Difference  
Dev - Ref, Dynamic Range



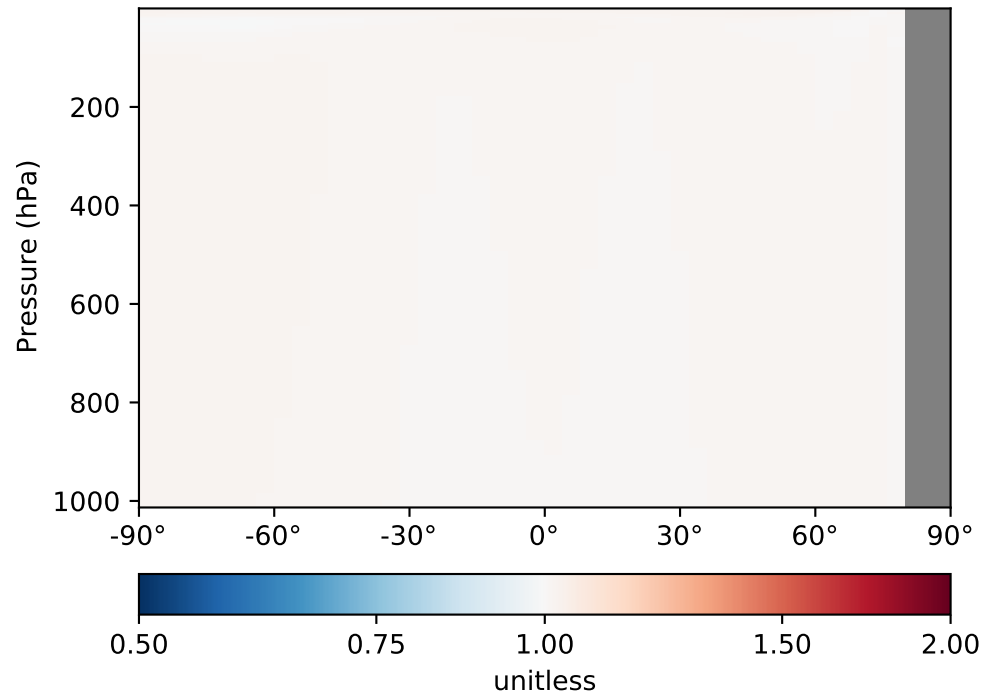
Difference  
Dev - Ref, Restricted Range [5%,95%]



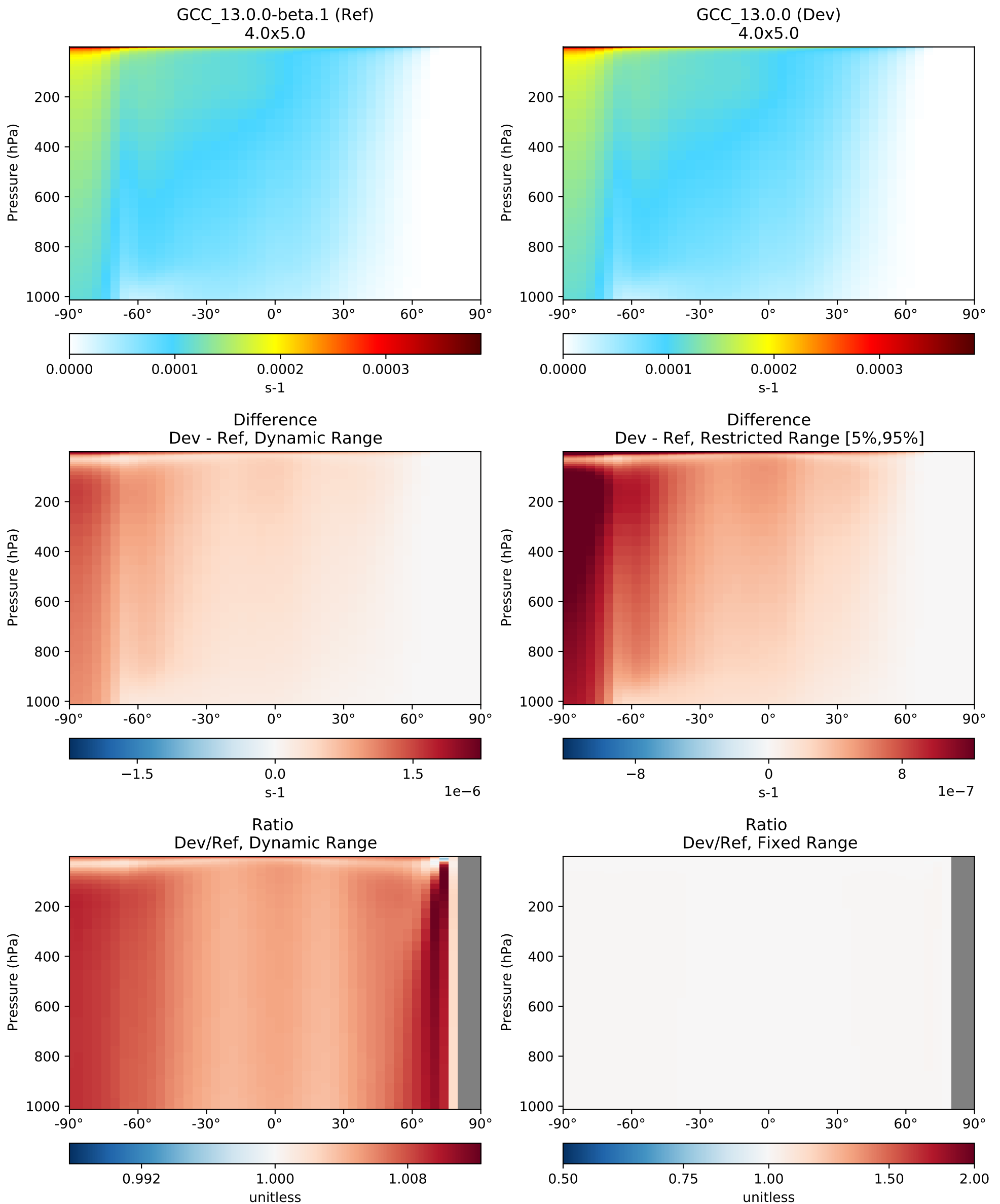
Ratio  
Dev/Ref, Dynamic Range



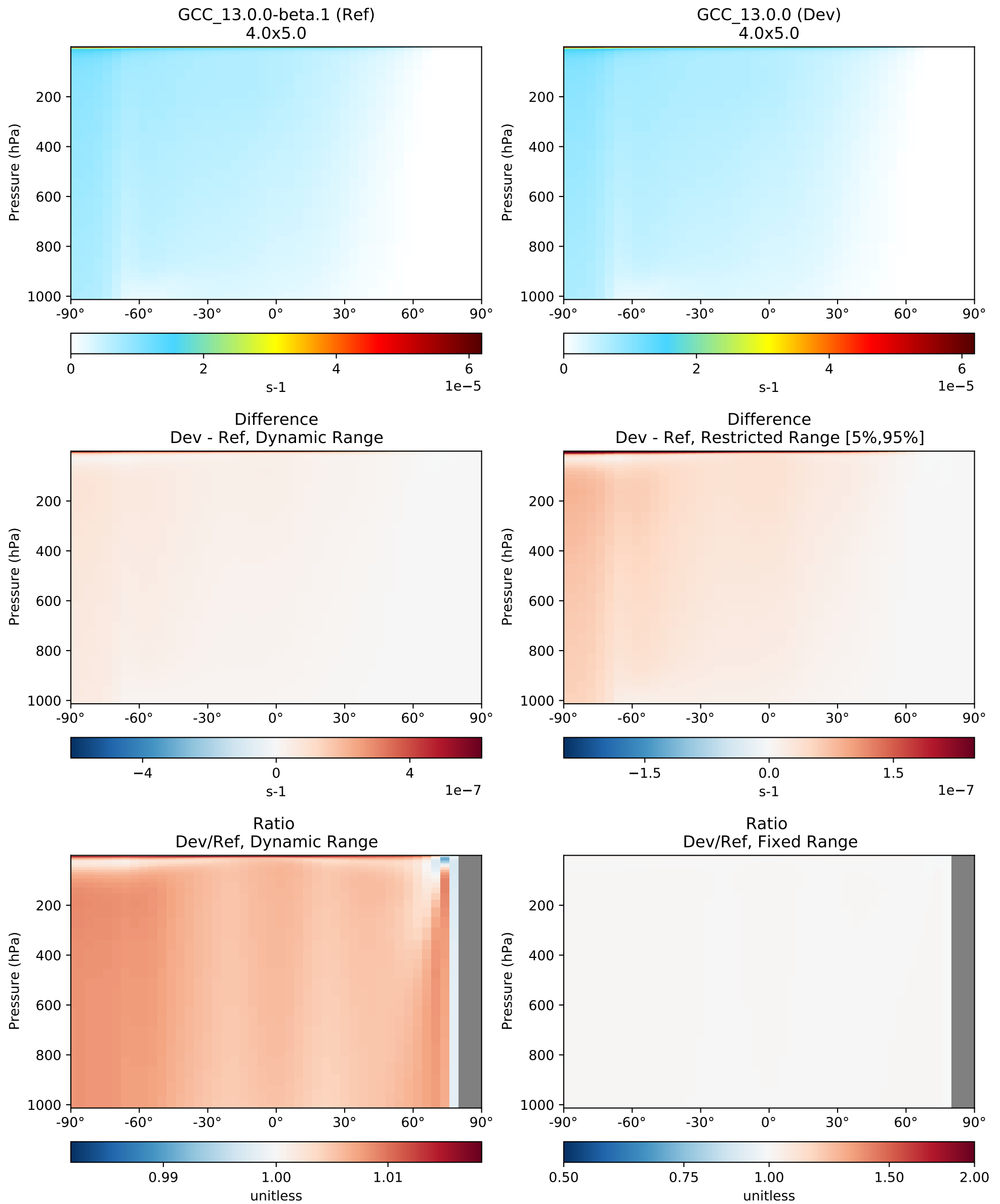
Ratio  
Dev/Ref, Fixed Range



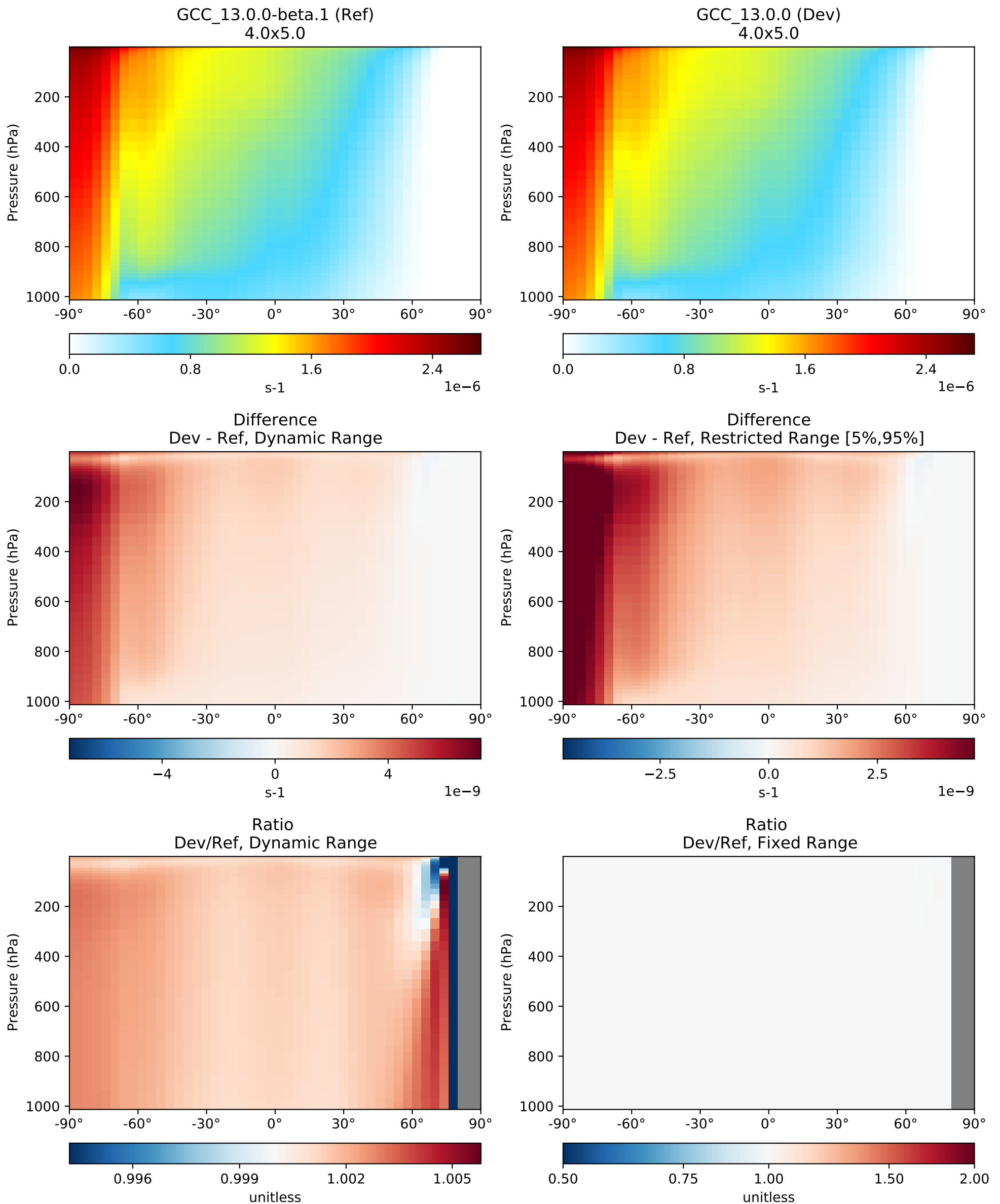
# Jval\_ITCN, Zonal Mean (Jan2019)



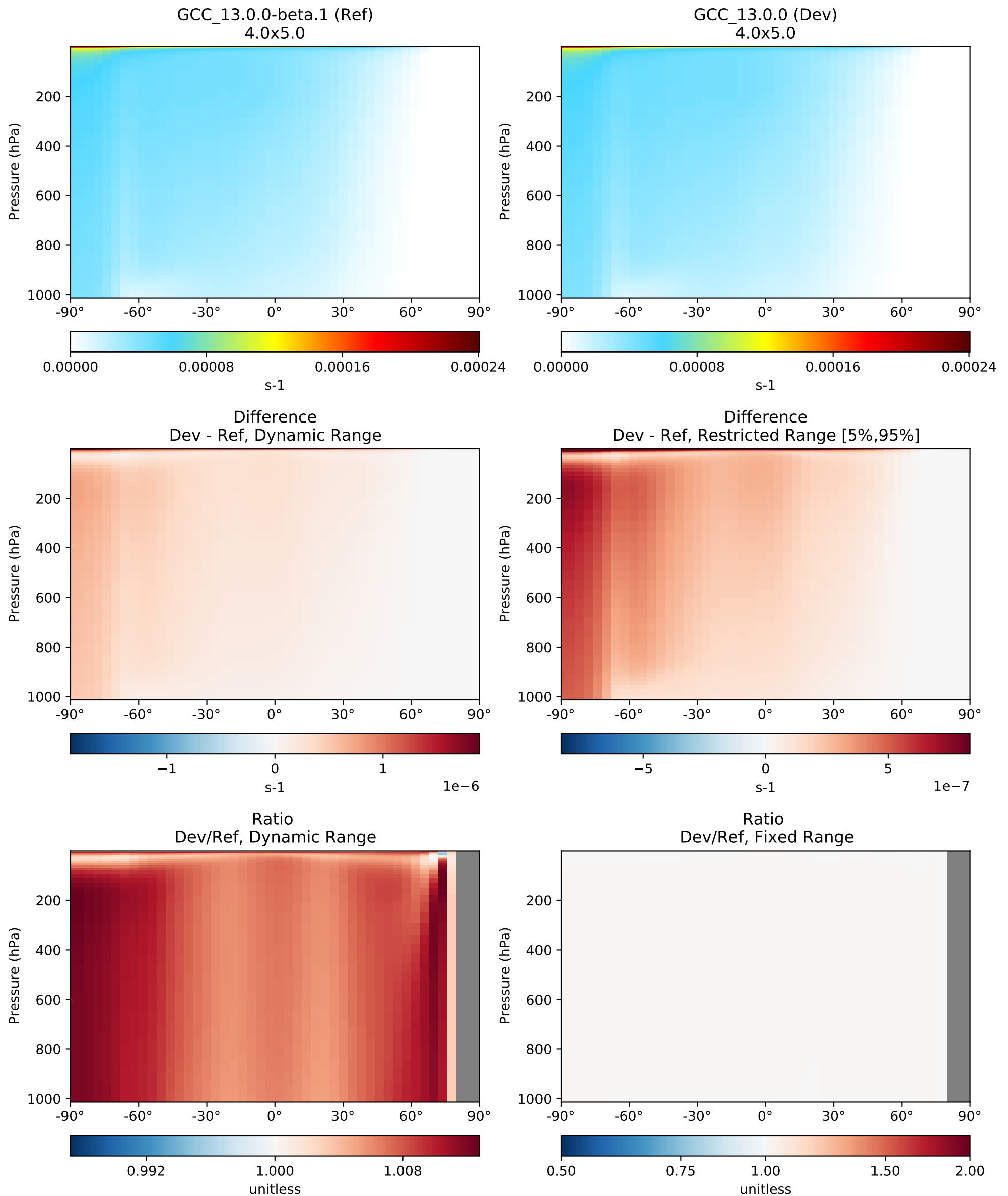
# Jval\_ITHN, Zonal Mean (Jan2019)



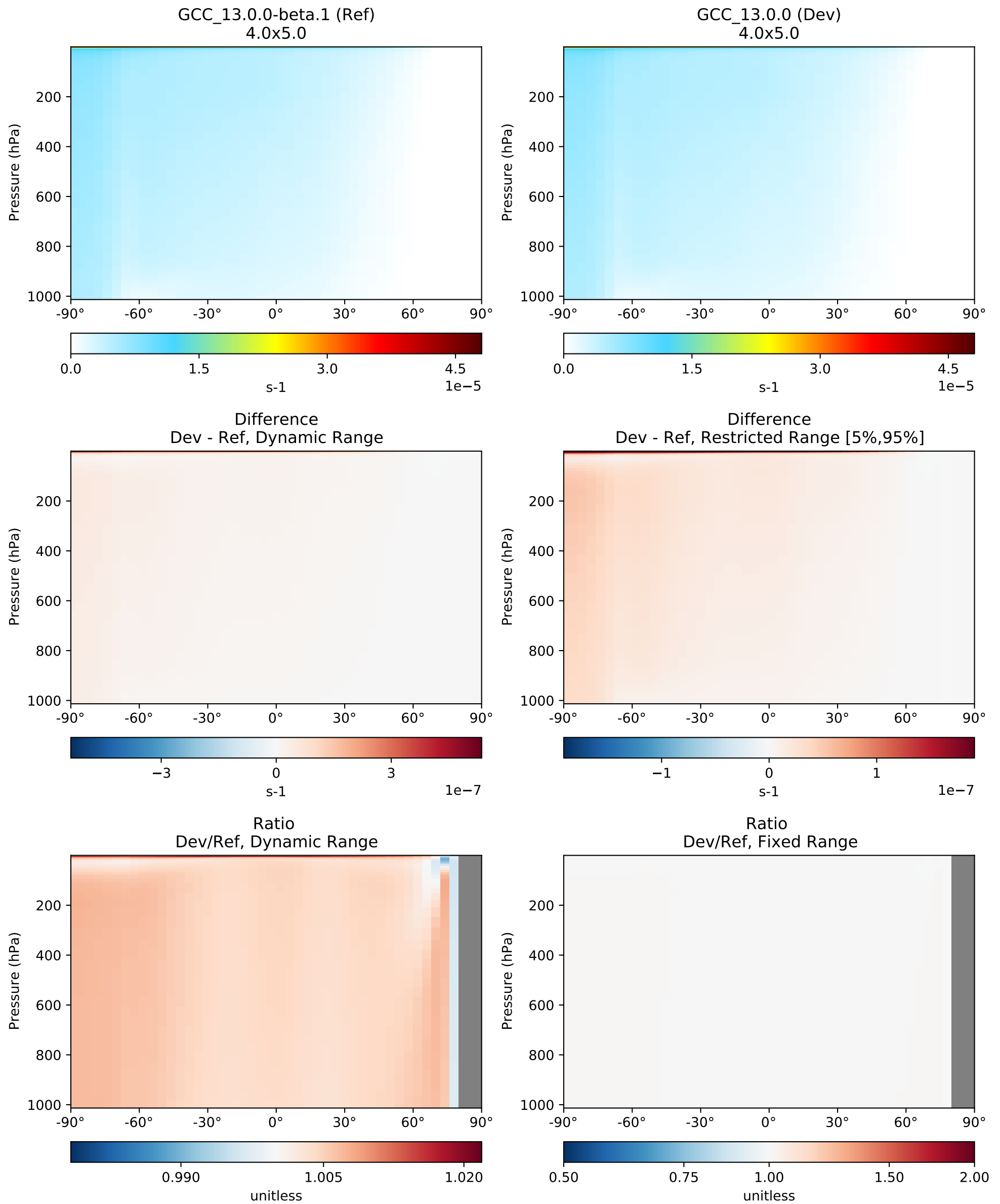
# Jval\_MACR, Zonal Mean (Jan2019)



# Jval\_MACR100H, Zonal Mean (Jan2019)



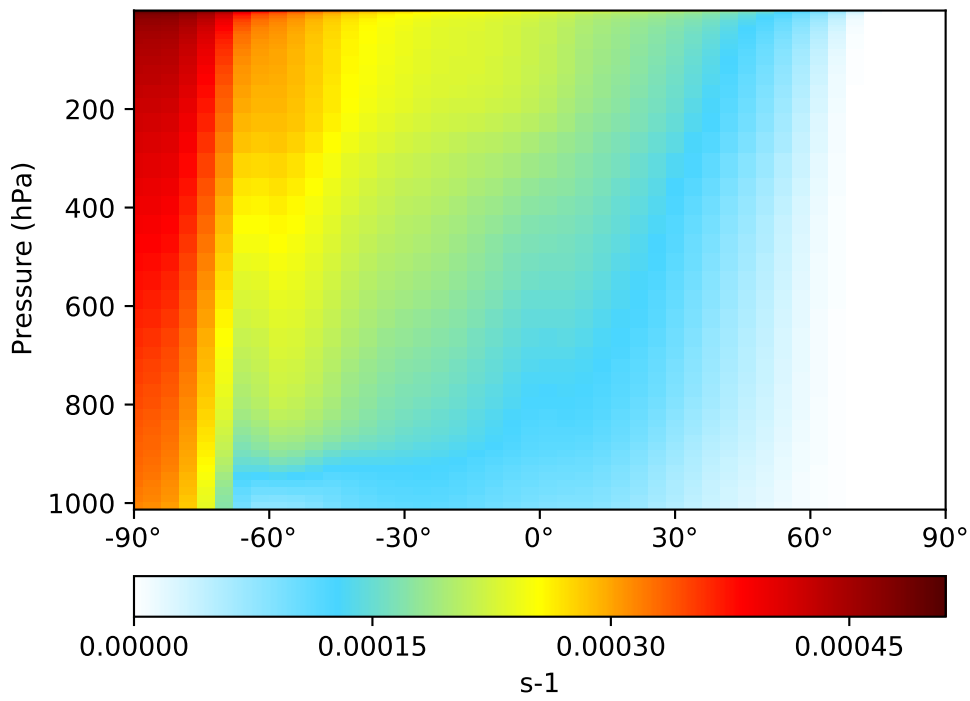
# Jval\_MAP, Zonal Mean (Jan2019)



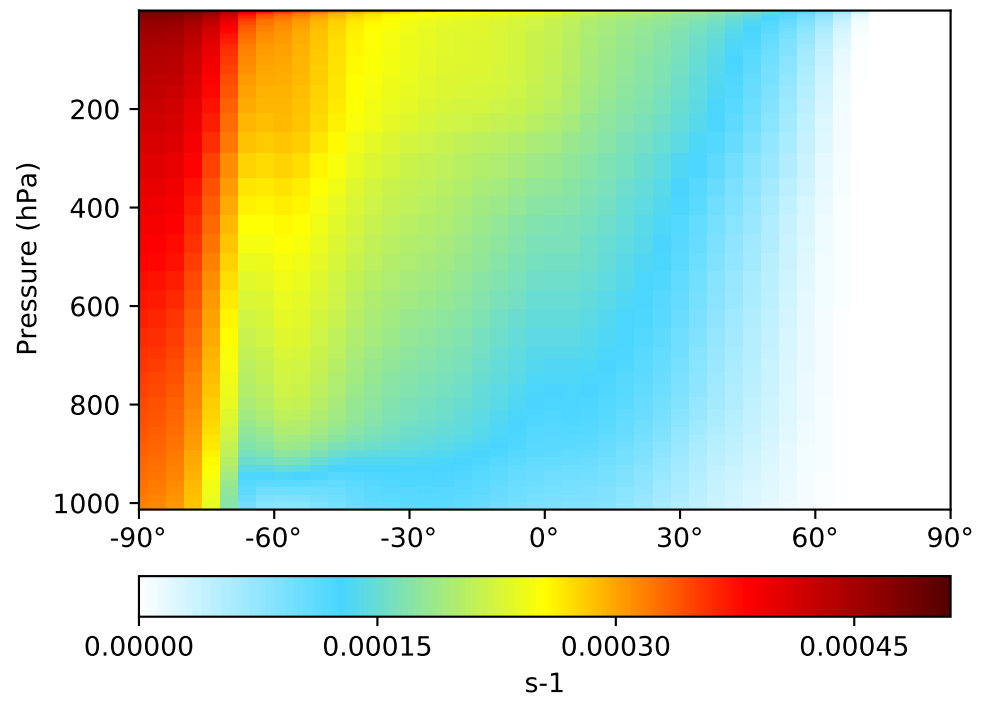


# Jval\_MCRENOL, Zonal Mean (Jan2019)

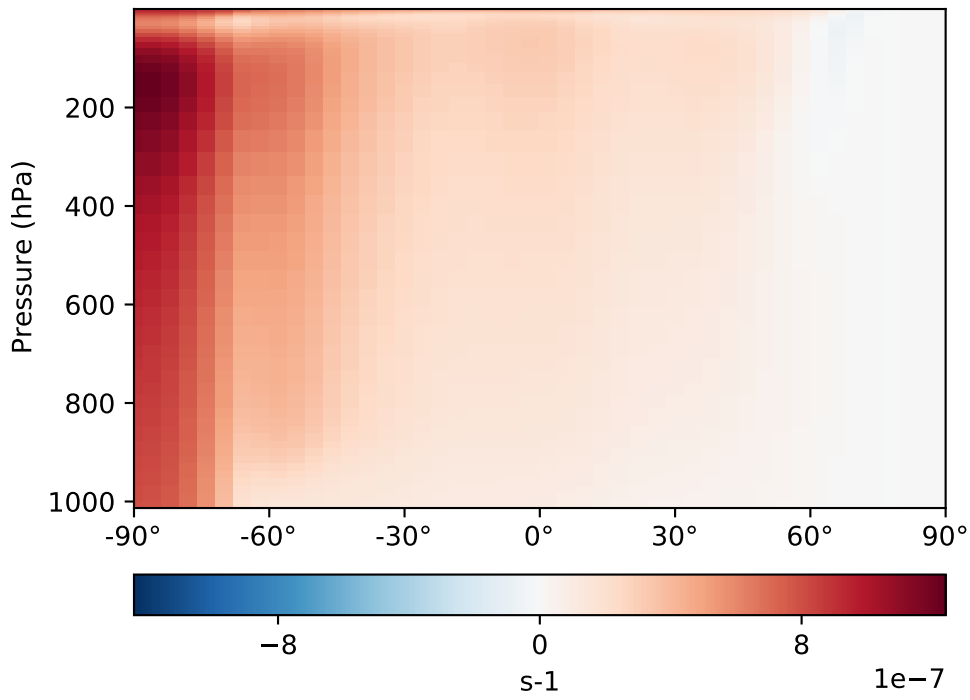
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



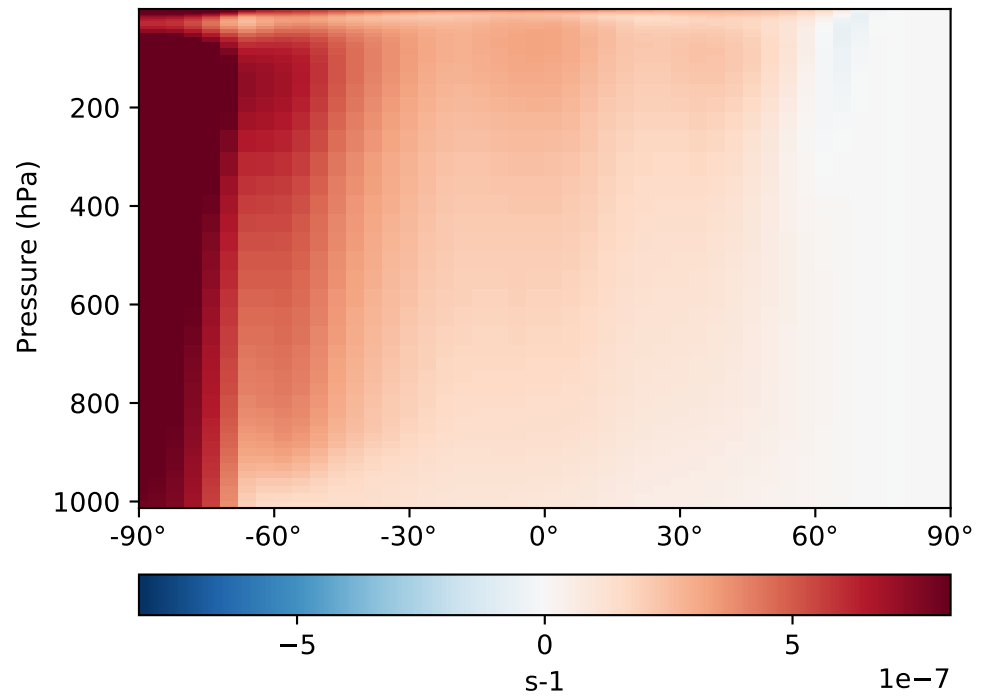
GCC\_13.0.0 (Dev)  
4.0x5.0



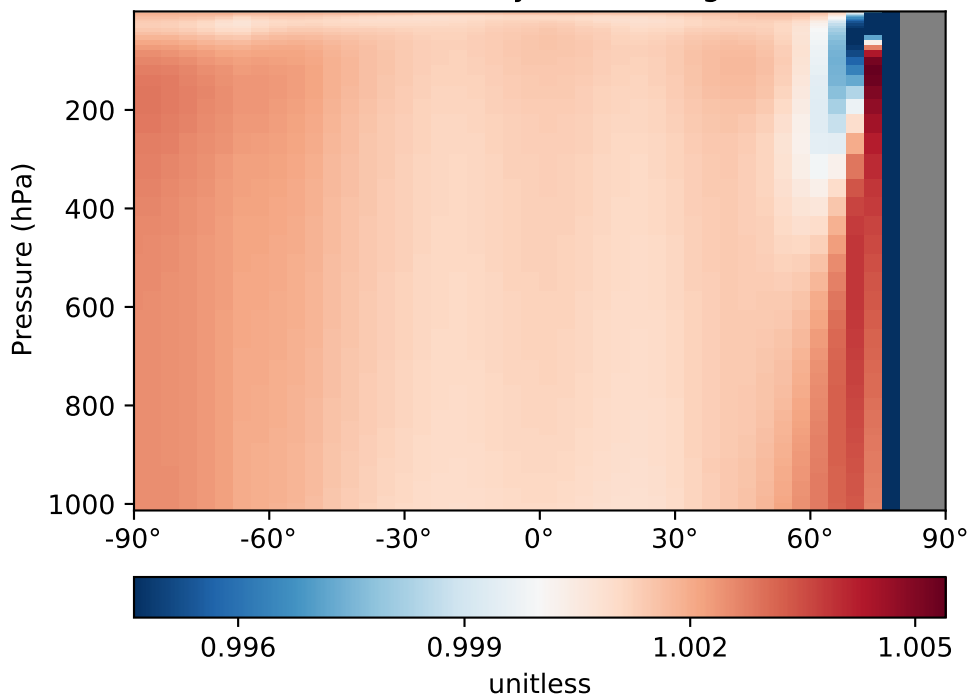
Difference  
Dev - Ref, Dynamic Range



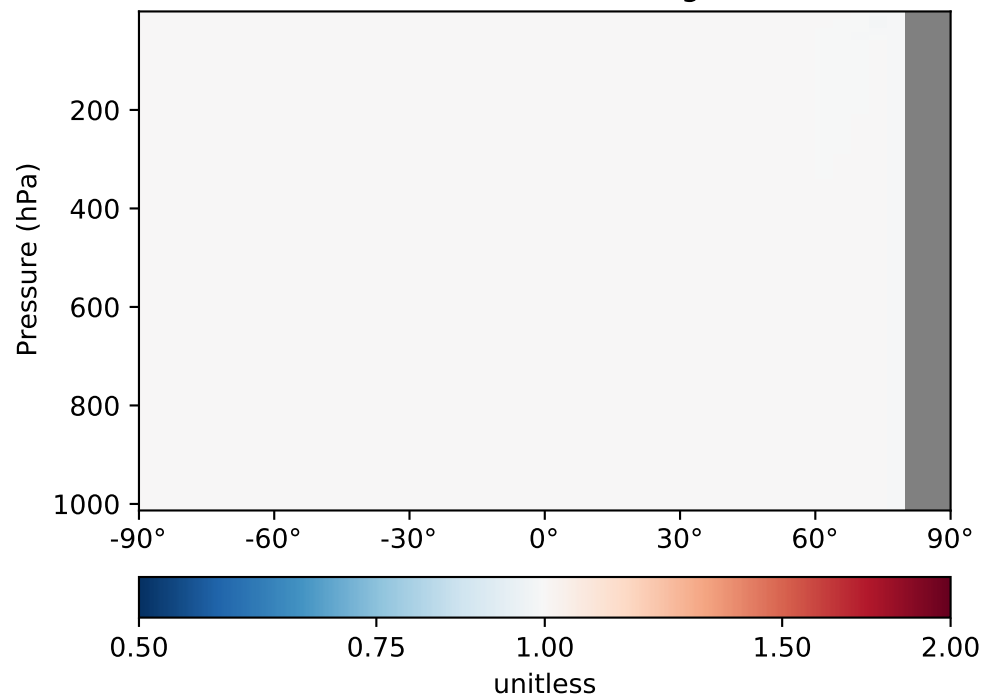
Difference  
Dev - Ref, Restricted Range [5%,95%]



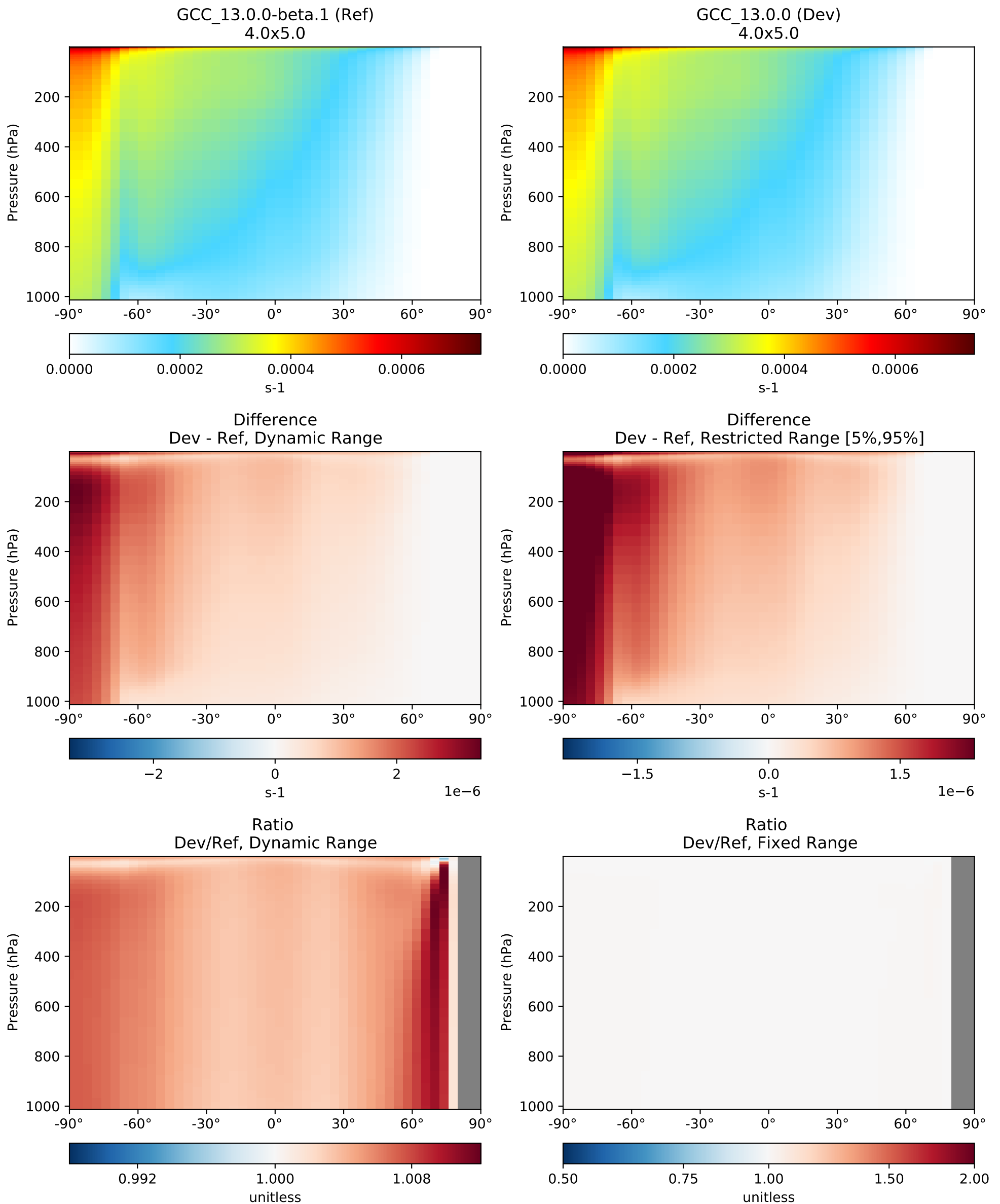
Ratio  
Dev/Ref, Dynamic Range



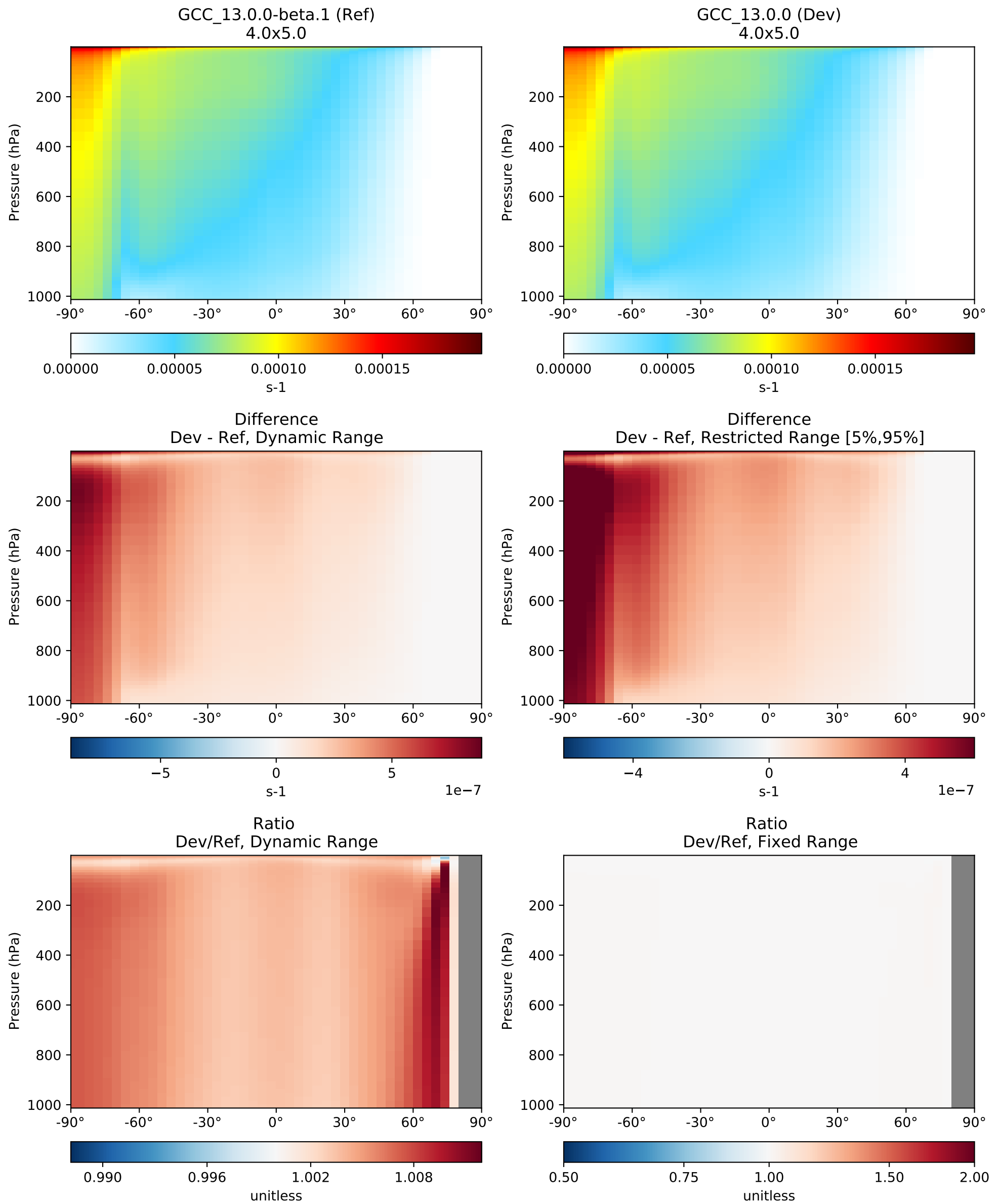
Ratio  
Dev/Ref, Fixed Range



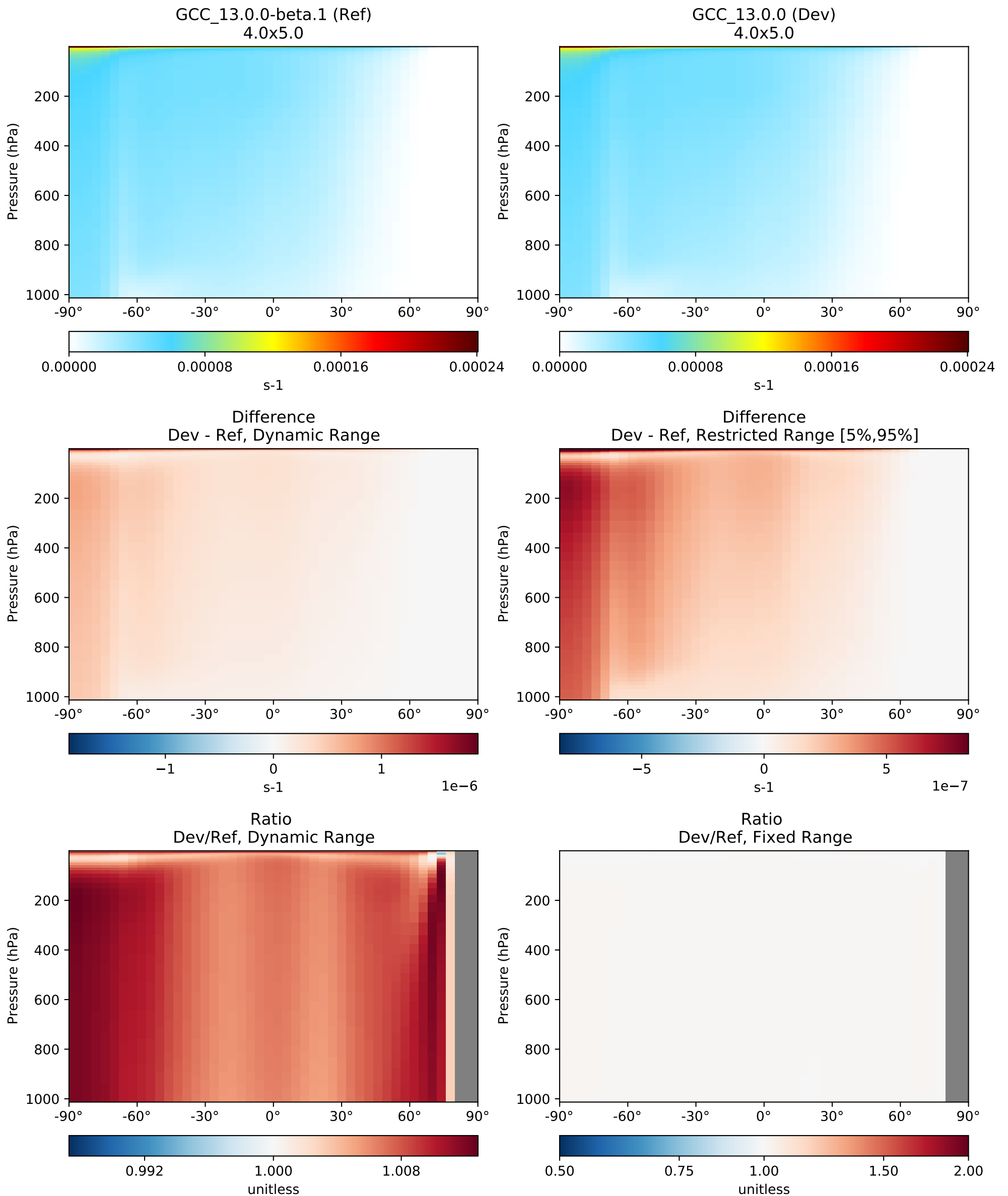
# Jval\_MCRHN, Zonal Mean (Jan2019)



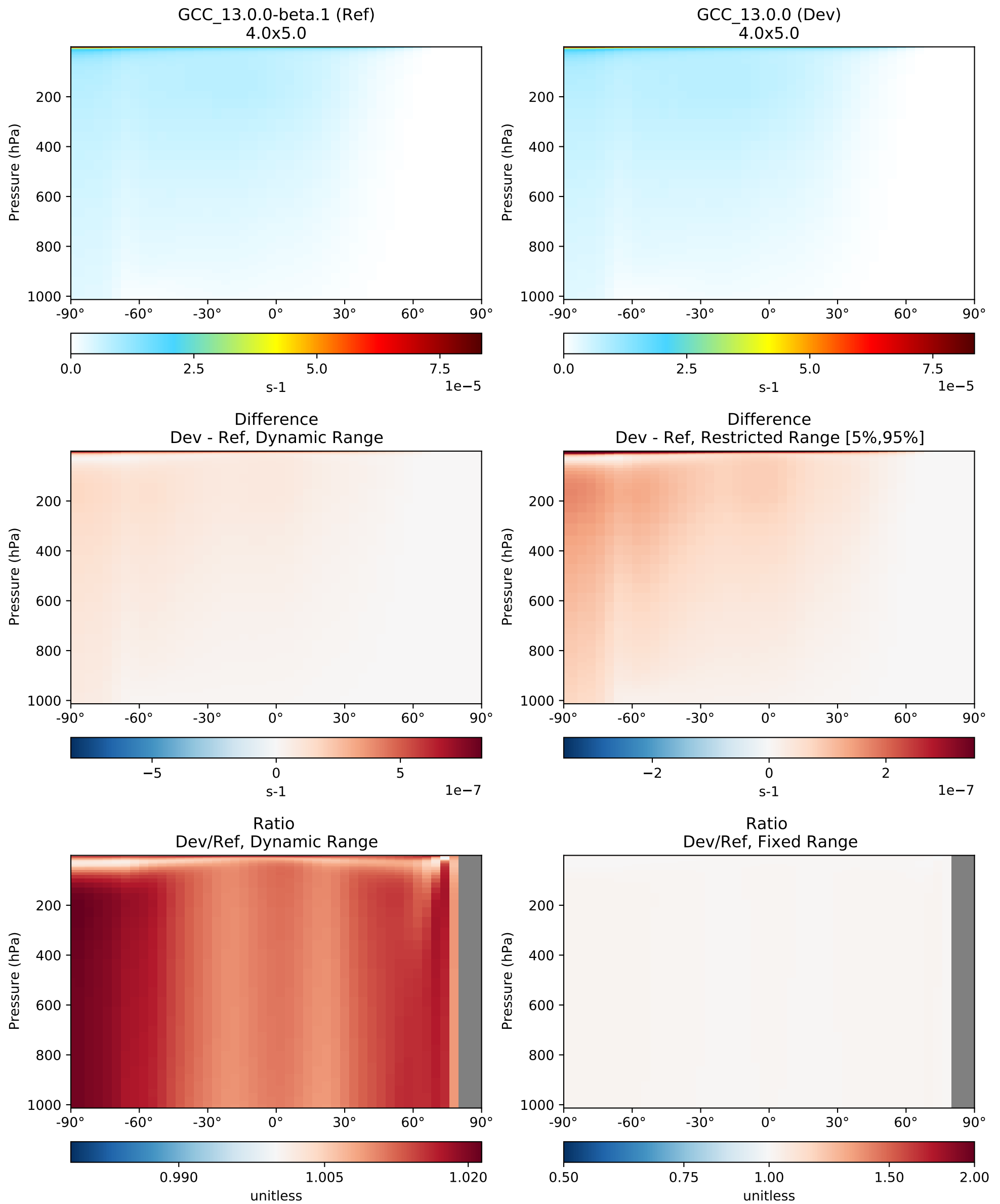
# Jval\_MCRHNB, Zonal Mean (Jan2019)



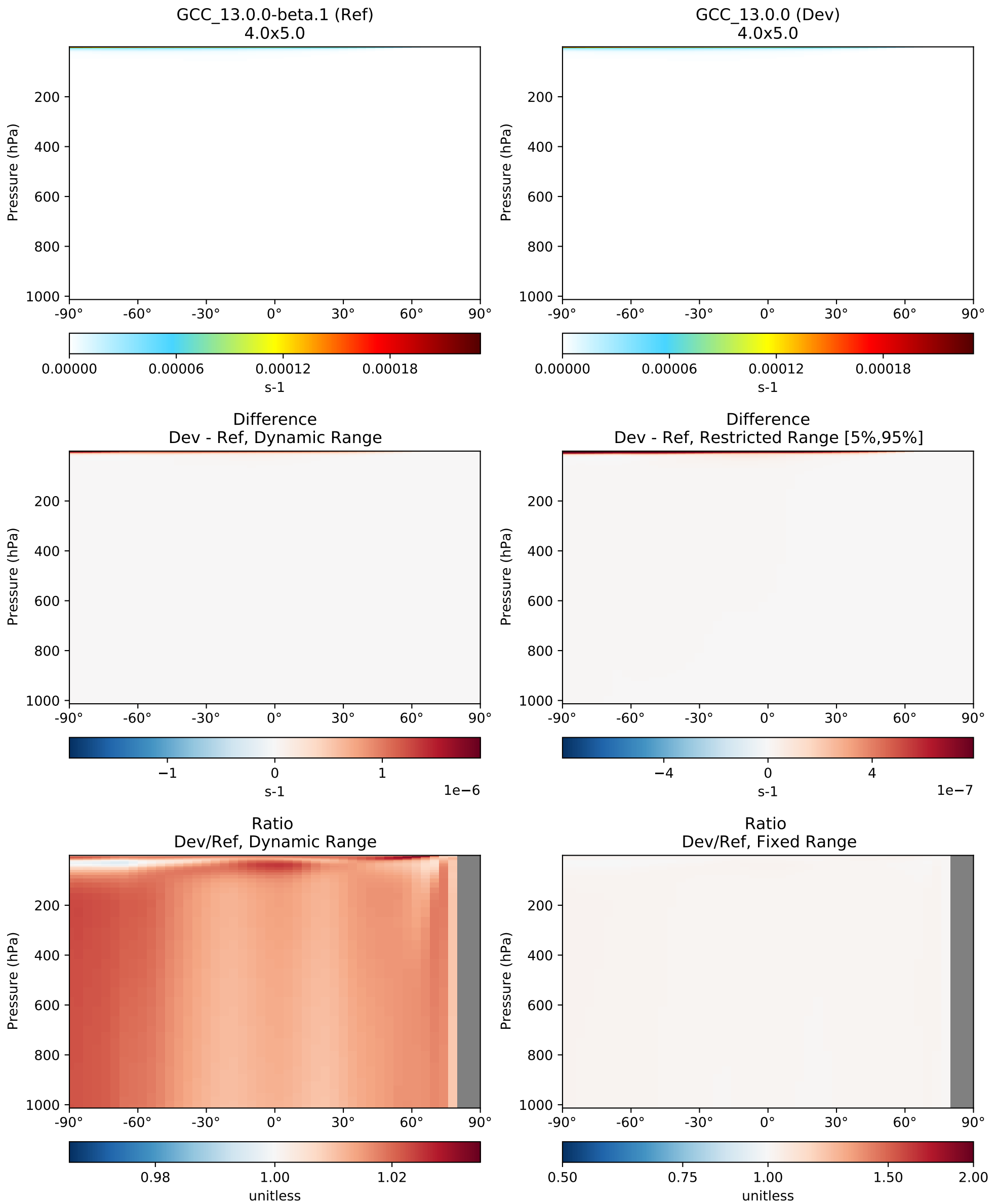
# Jval\_MCRHP, Zonal Mean (Jan2019)



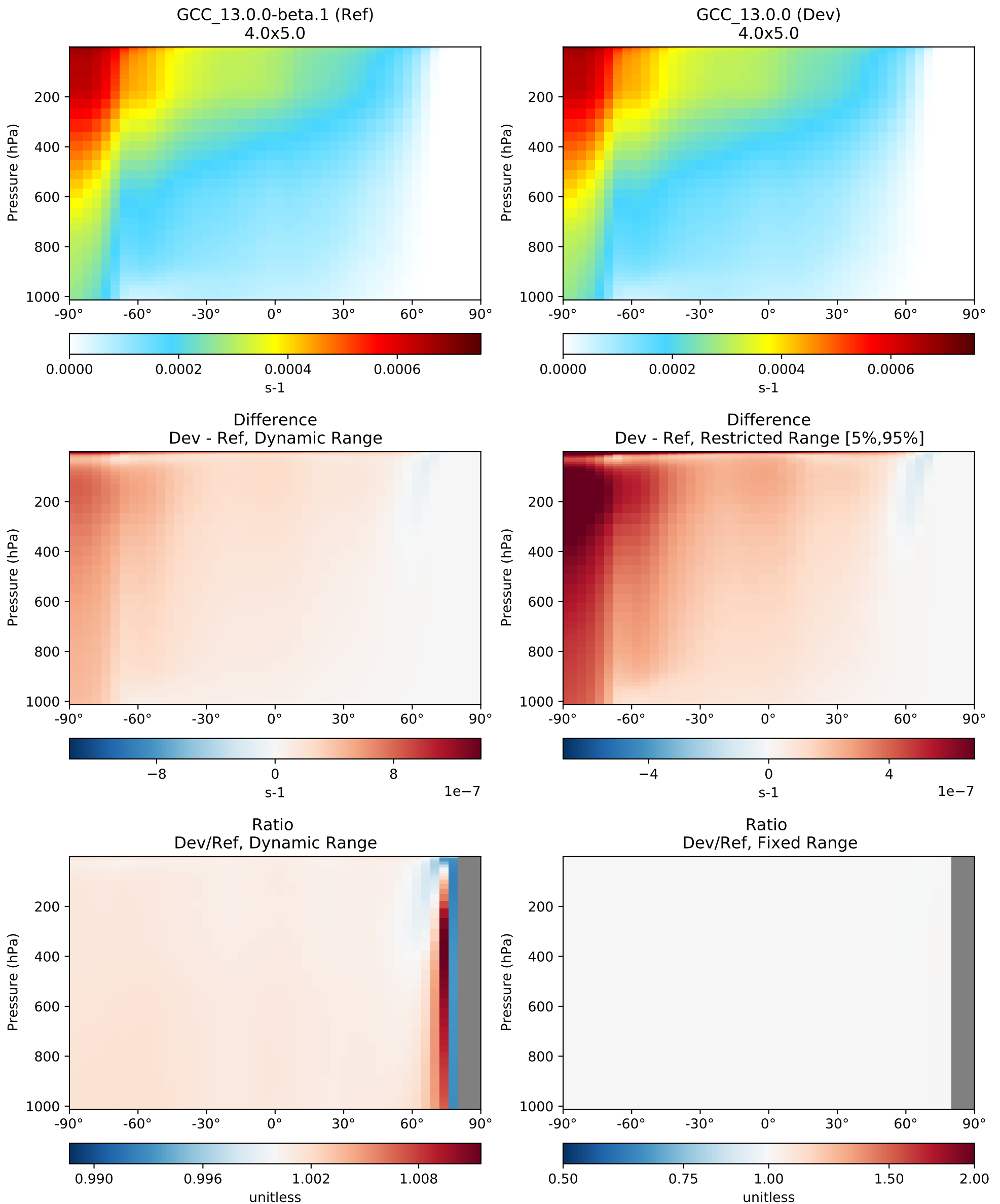
# Jval\_MEK, Zonal Mean (Jan2019)



# Jval\_MENO3, Zonal Mean (Jan2019)

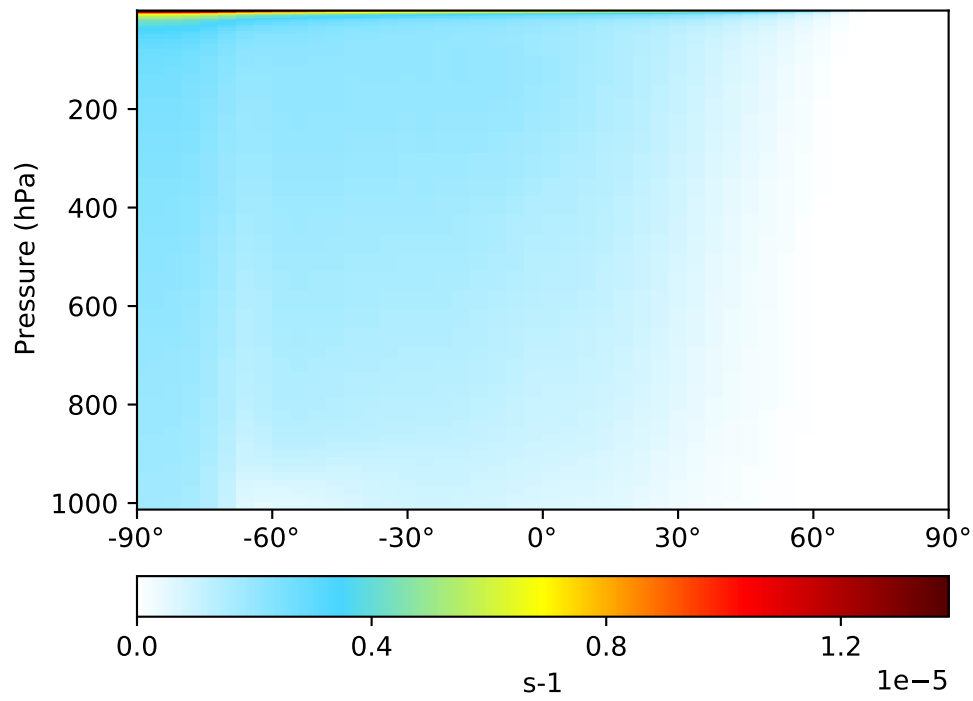


# Jval\_MGLY, Zonal Mean (Jan2019)

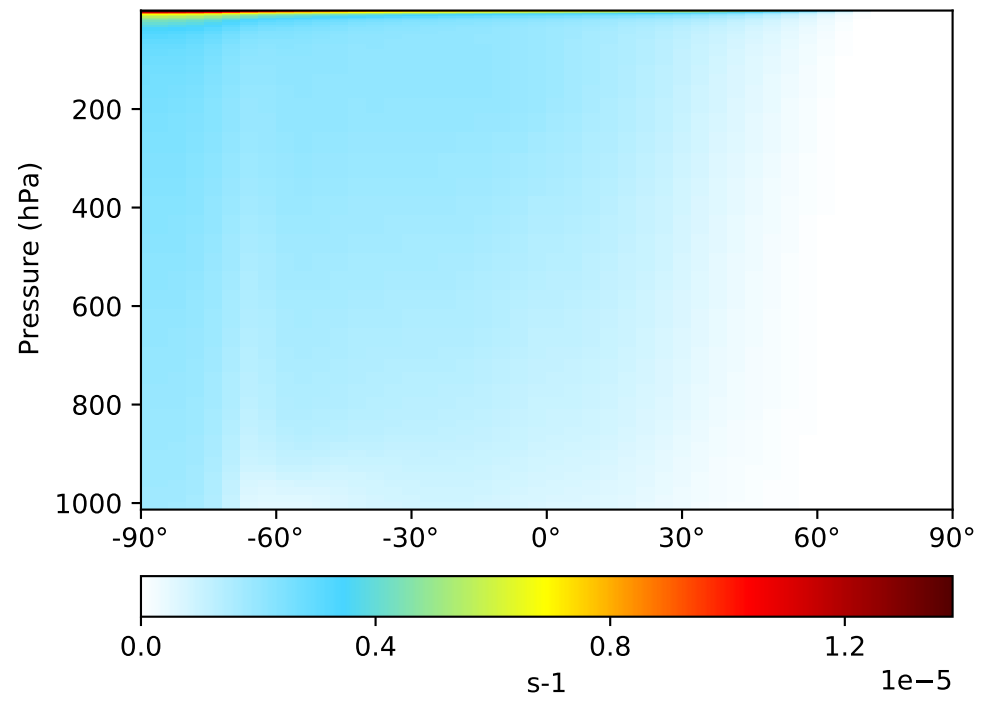


# Jval\_MONITS, Zonal Mean (Jan2019)

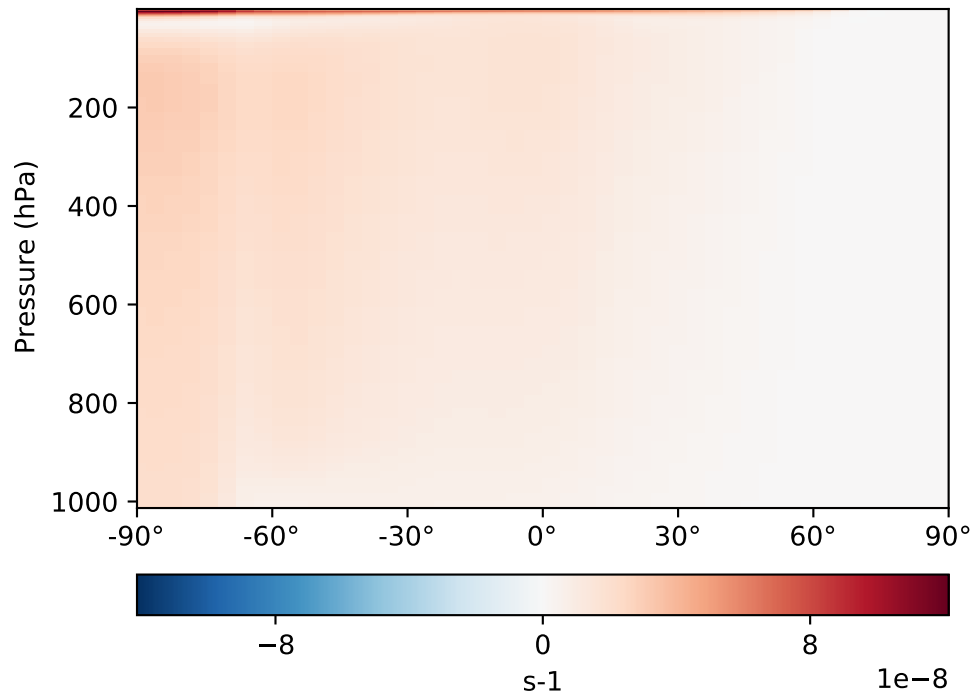
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



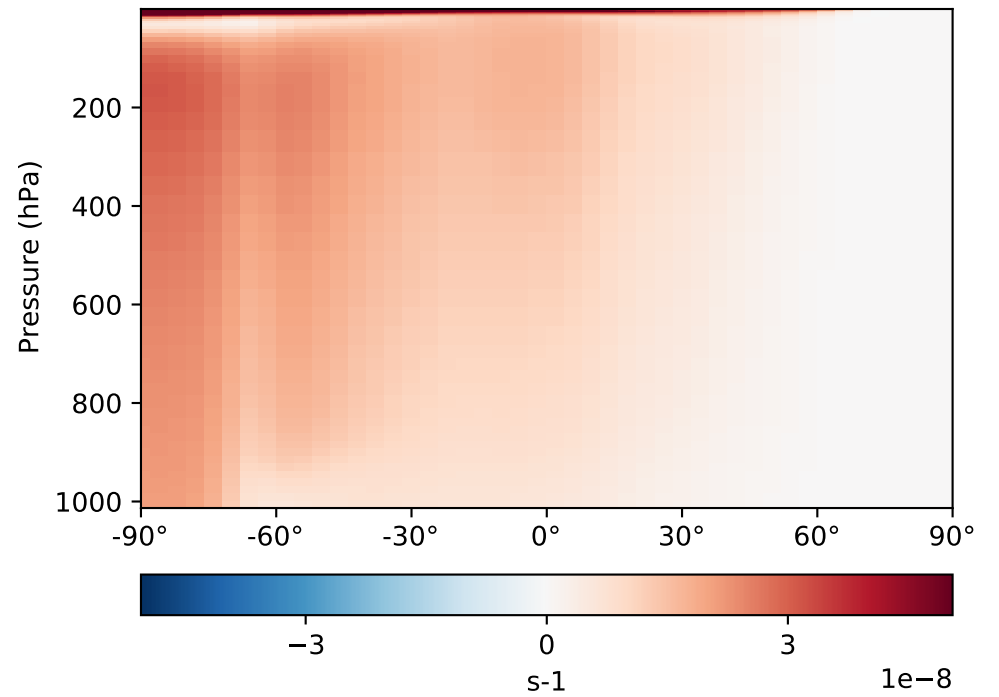
GCC\_13.0.0 (Dev)  
4.0x5.0



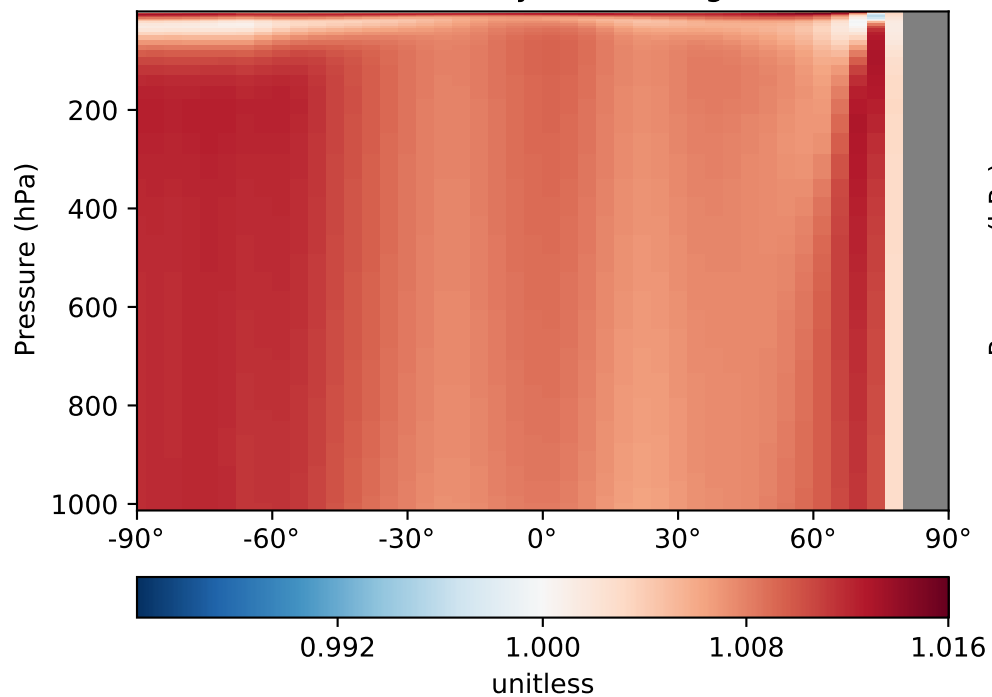
Difference  
Dev - Ref, Dynamic Range



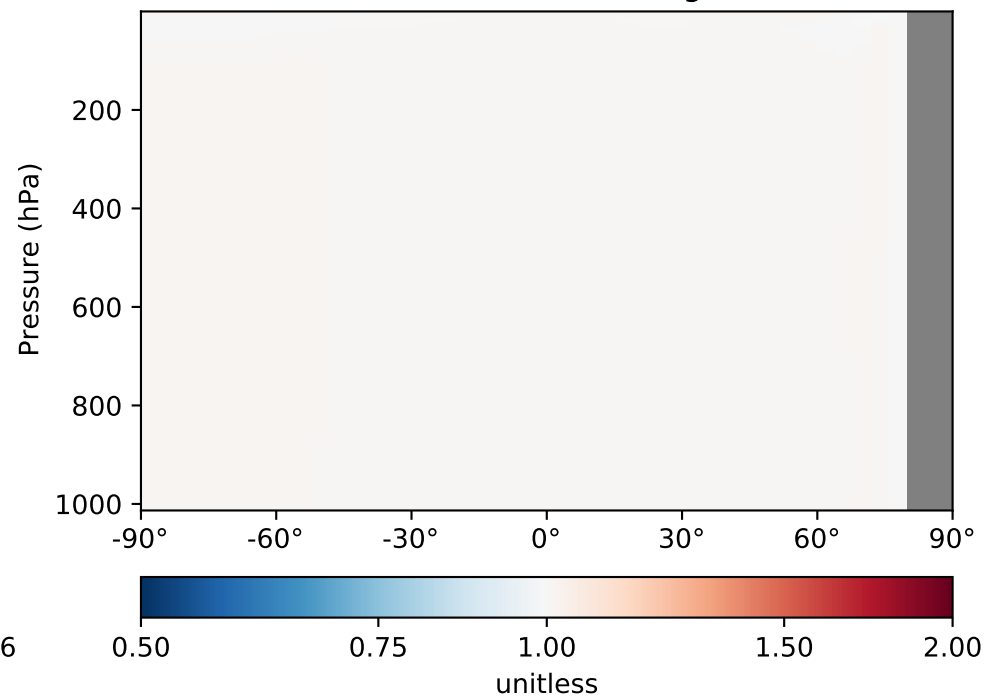
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range



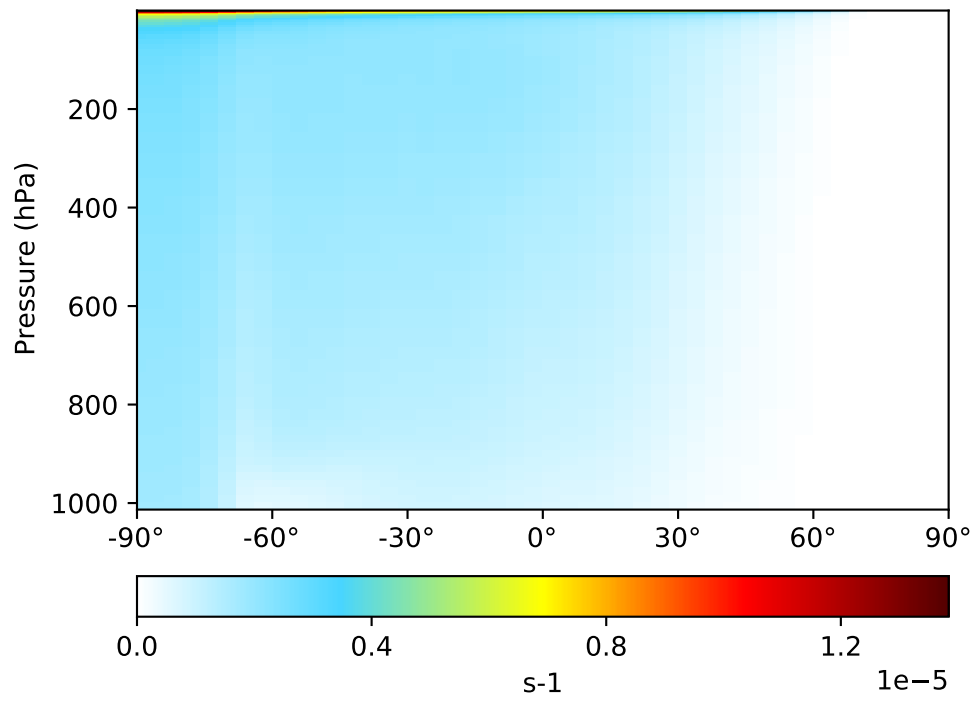
Ratio  
Dev/Ref, Fixed Range



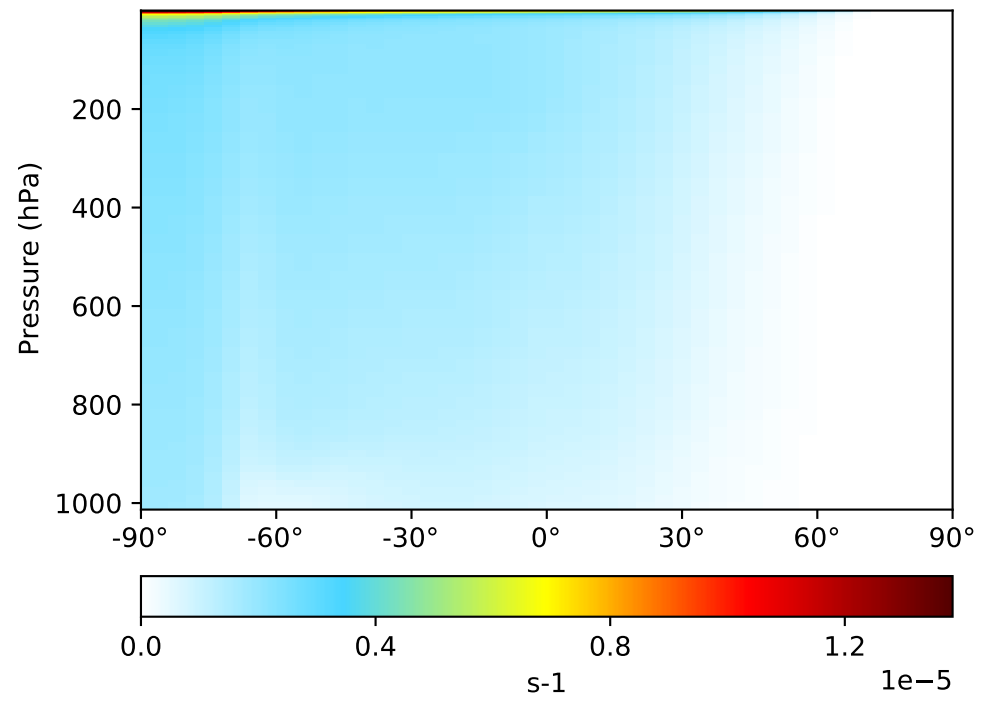


# Jval\_MONITU, Zonal Mean (Jan2019)

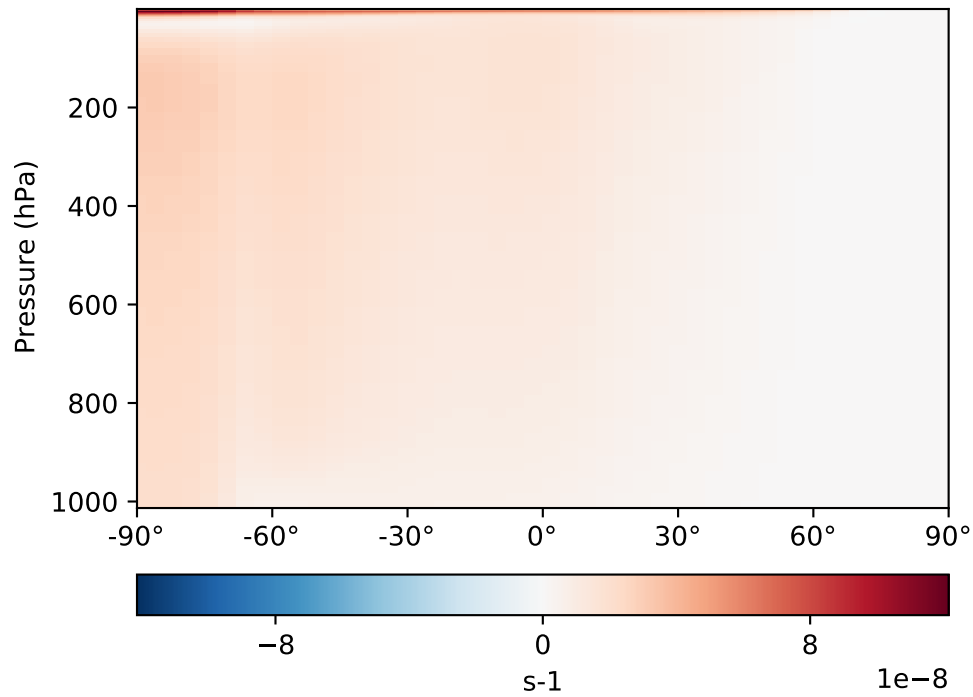
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



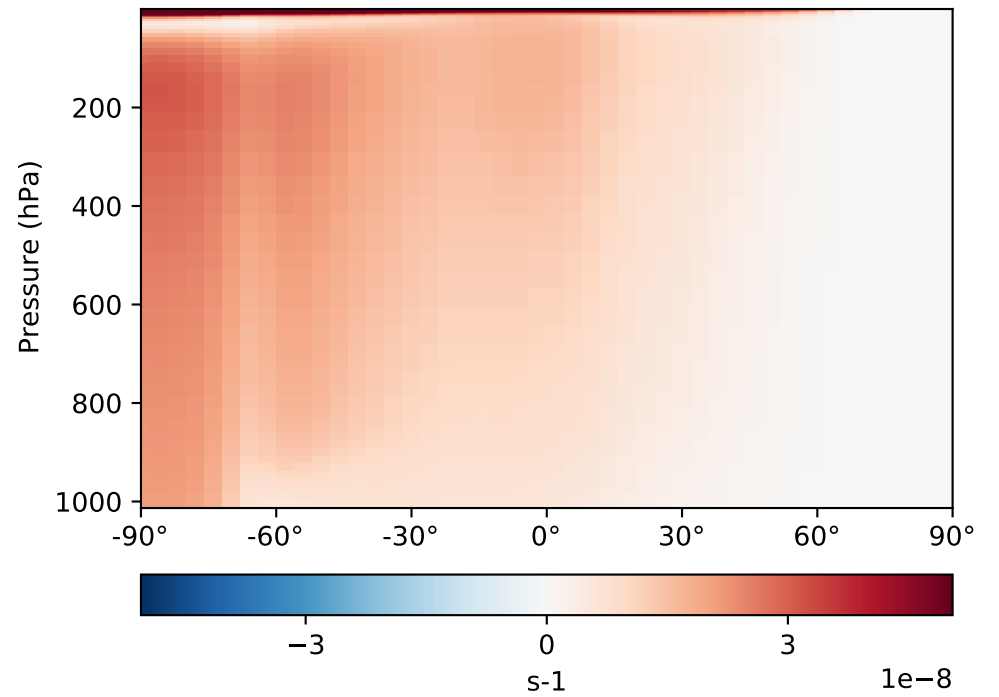
GCC\_13.0.0 (Dev)  
4.0x5.0



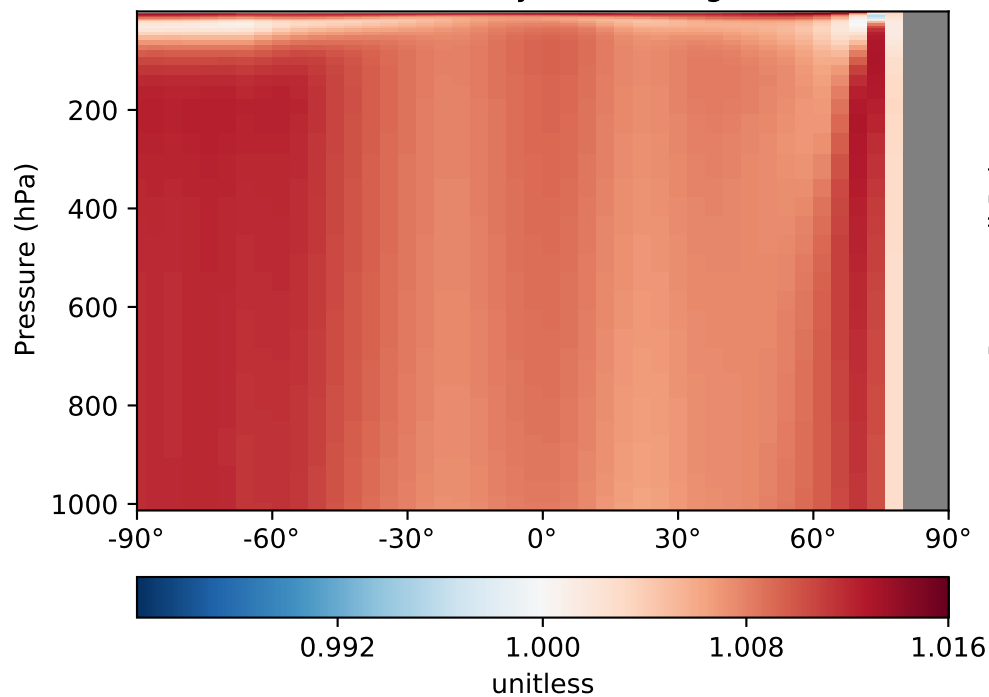
Difference  
Dev - Ref, Dynamic Range



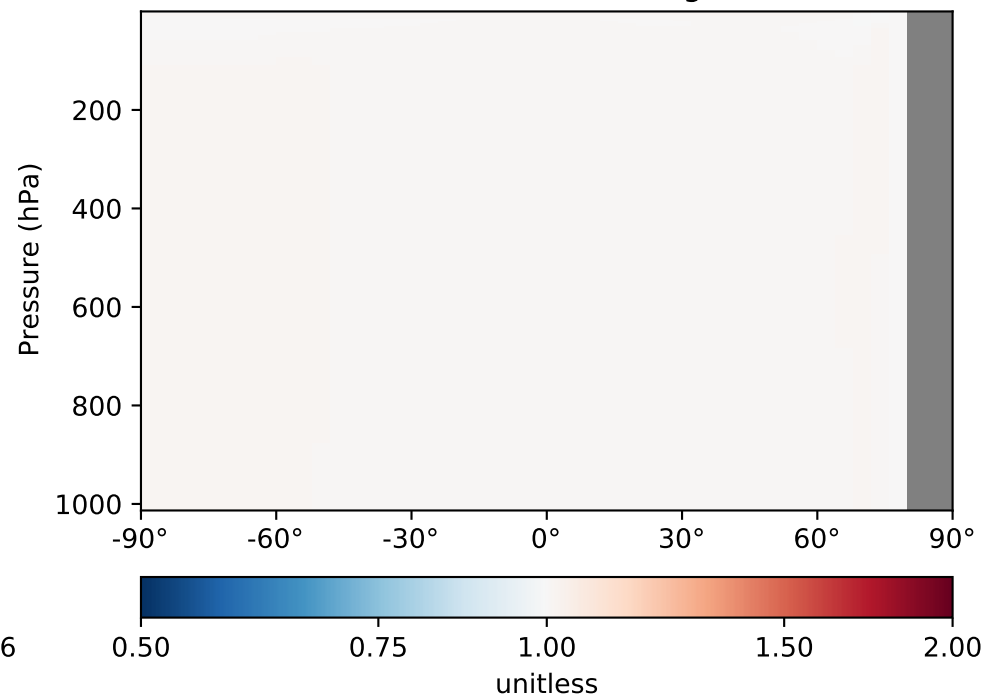
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

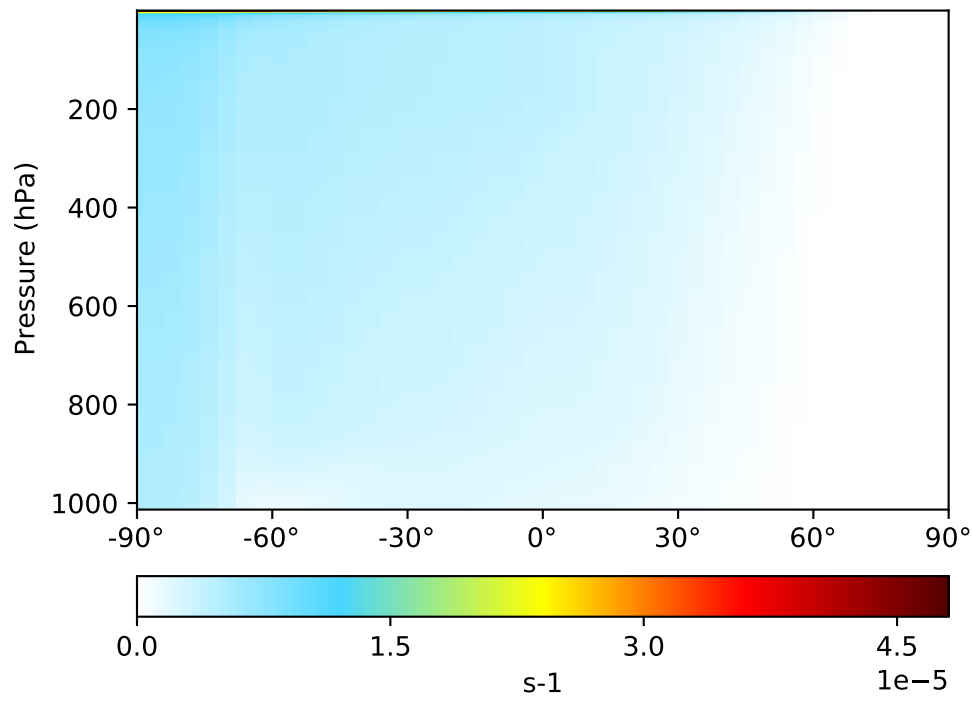


Ratio  
Dev/Ref, Fixed Range

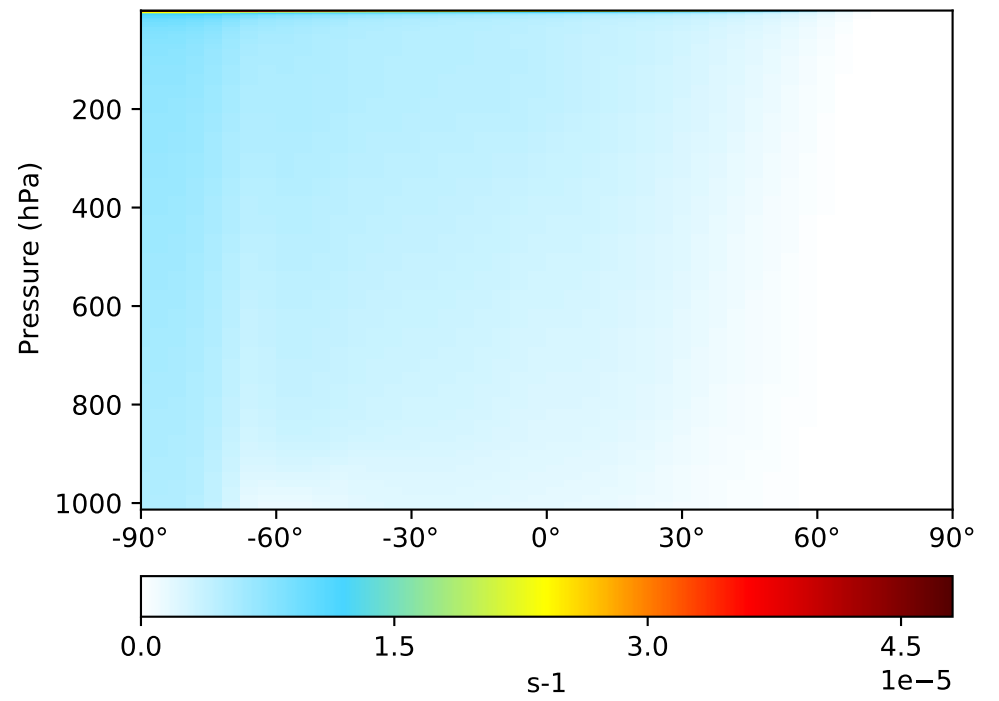


# Jval\_MP, Zonal Mean (Jan2019)

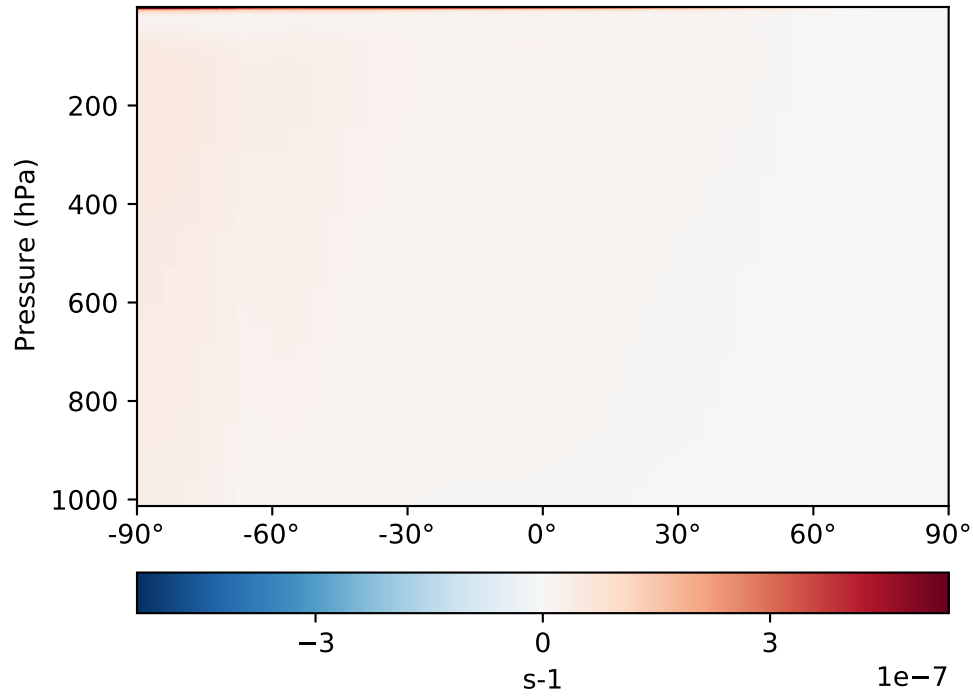
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



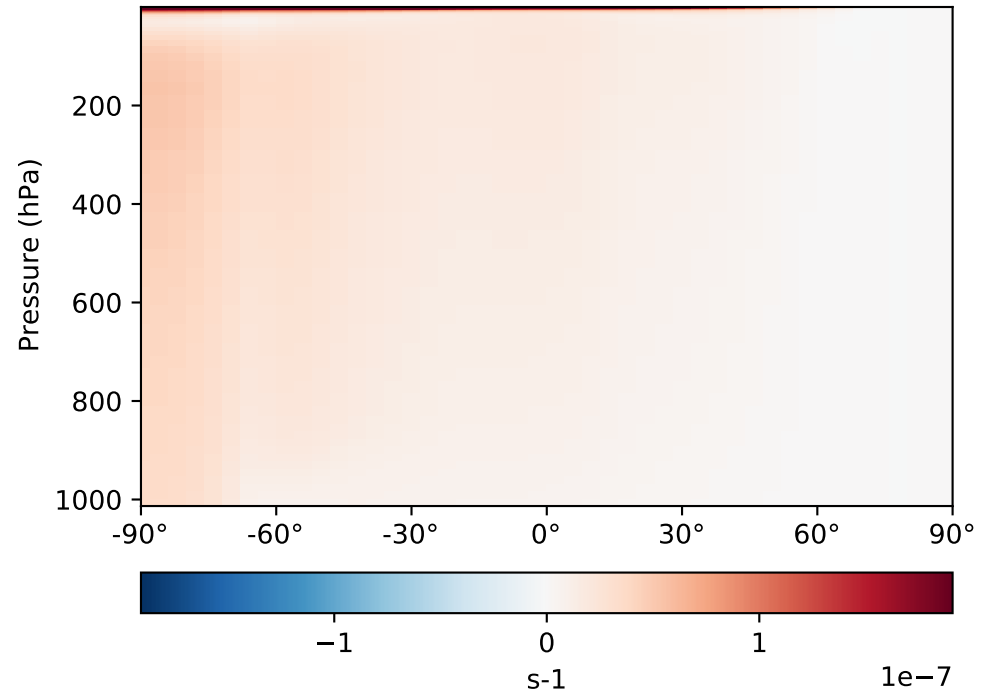
GCC\_13.0.0 (Dev)  
4.0x5.0



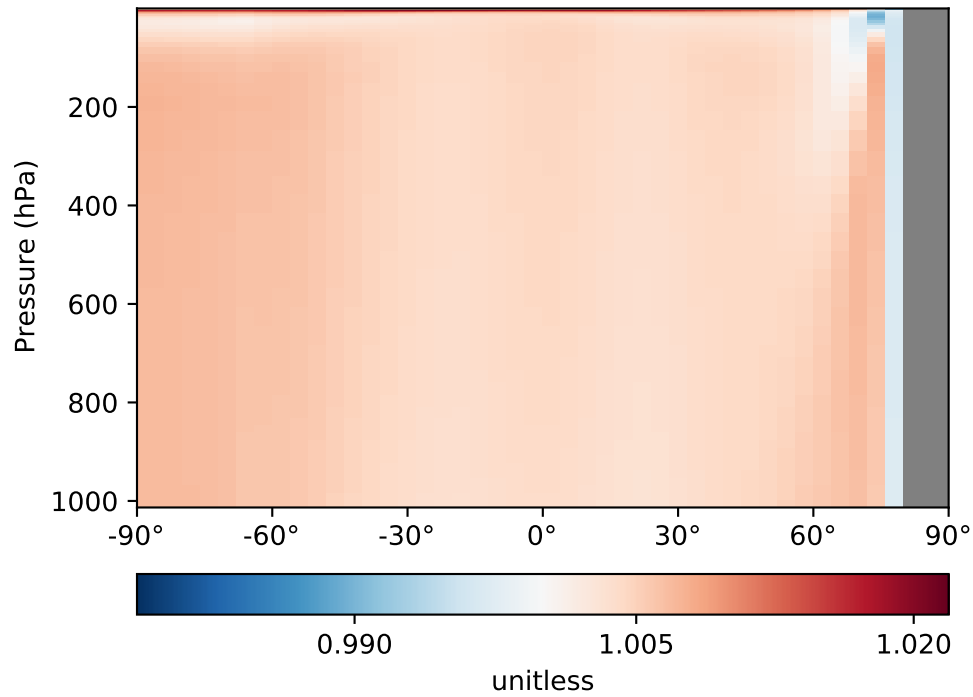
Difference  
Dev - Ref, Dynamic Range



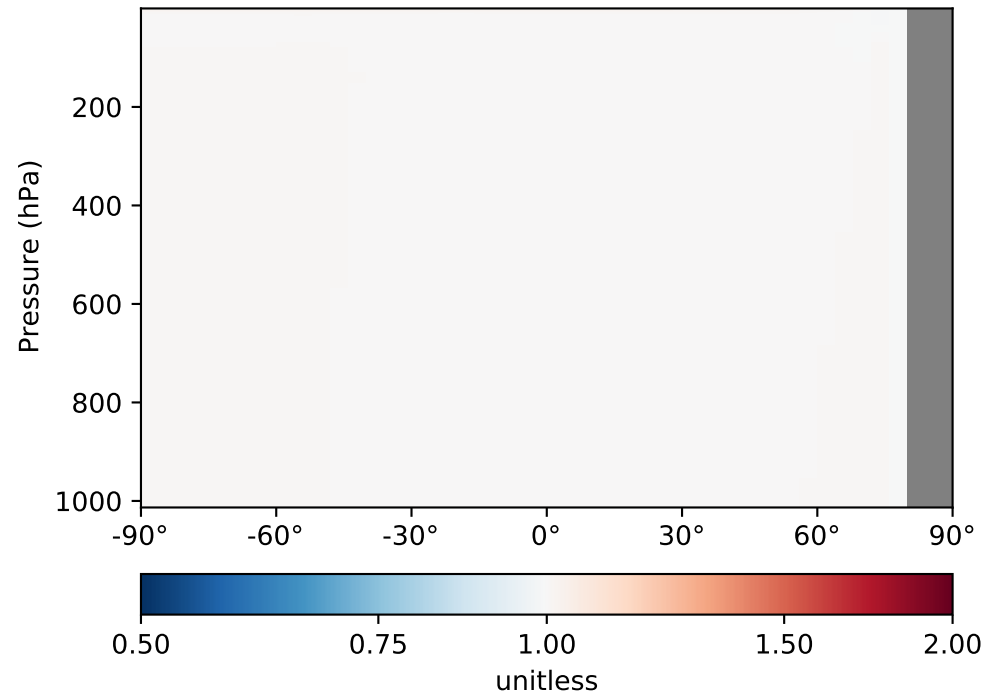
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

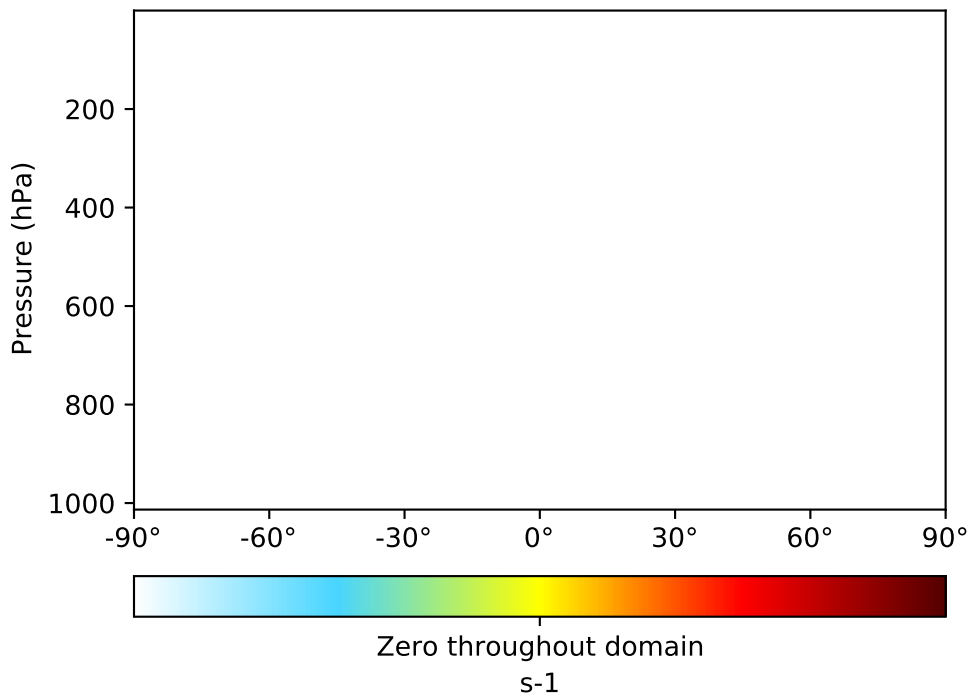


Ratio  
Dev/Ref, Fixed Range

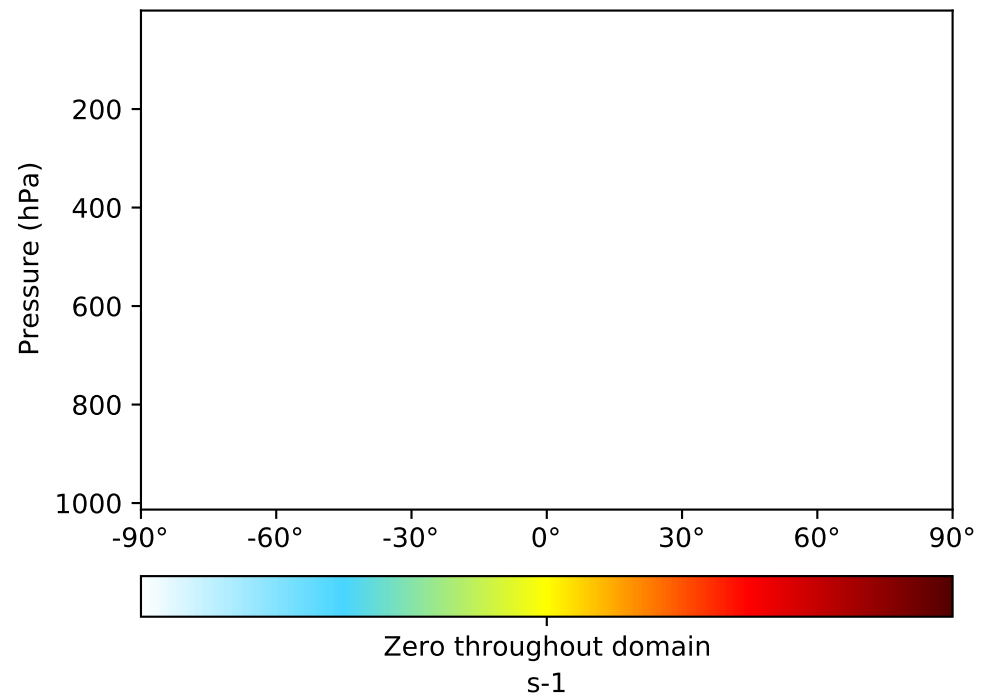


# Jval\_MPAN, Zonal Mean (Jan2019)

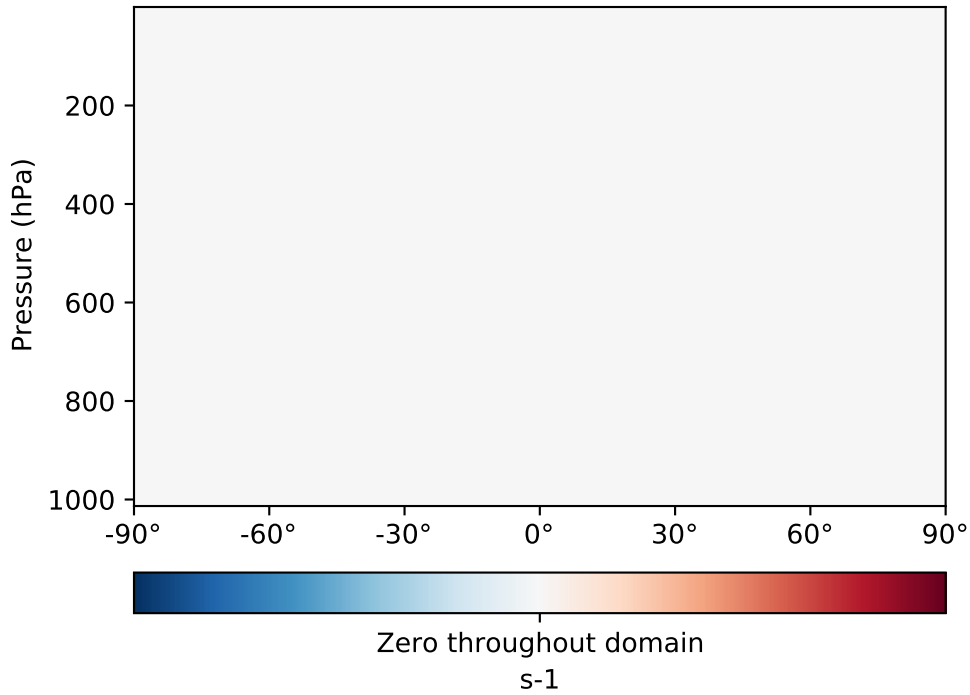
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



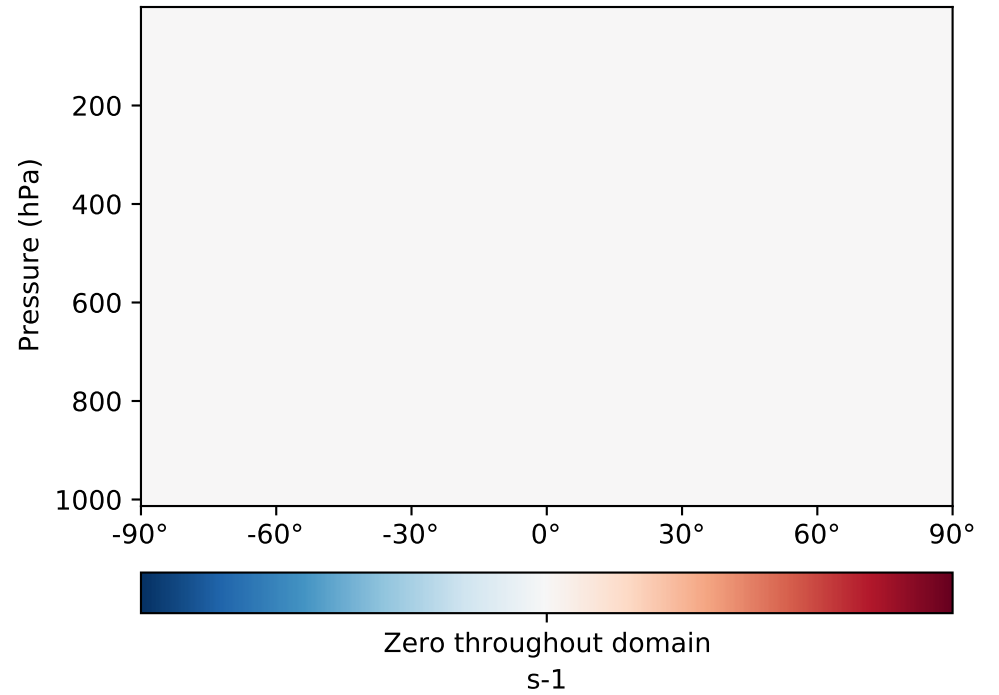
GCC\_13.0.0 (Dev)  
4.0x5.0



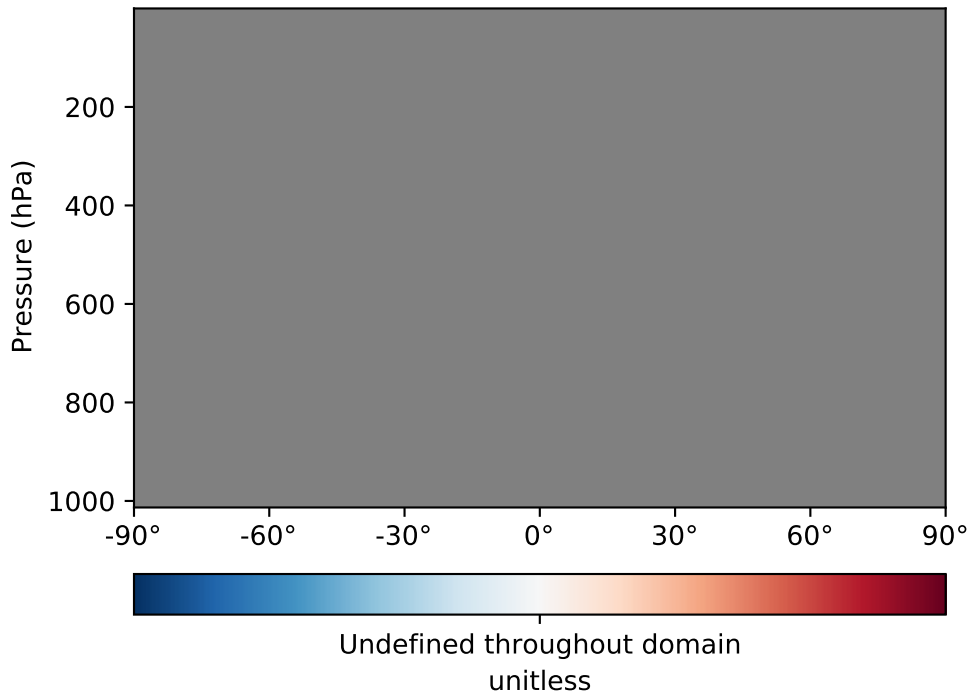
Difference  
Dev - Ref, Dynamic Range



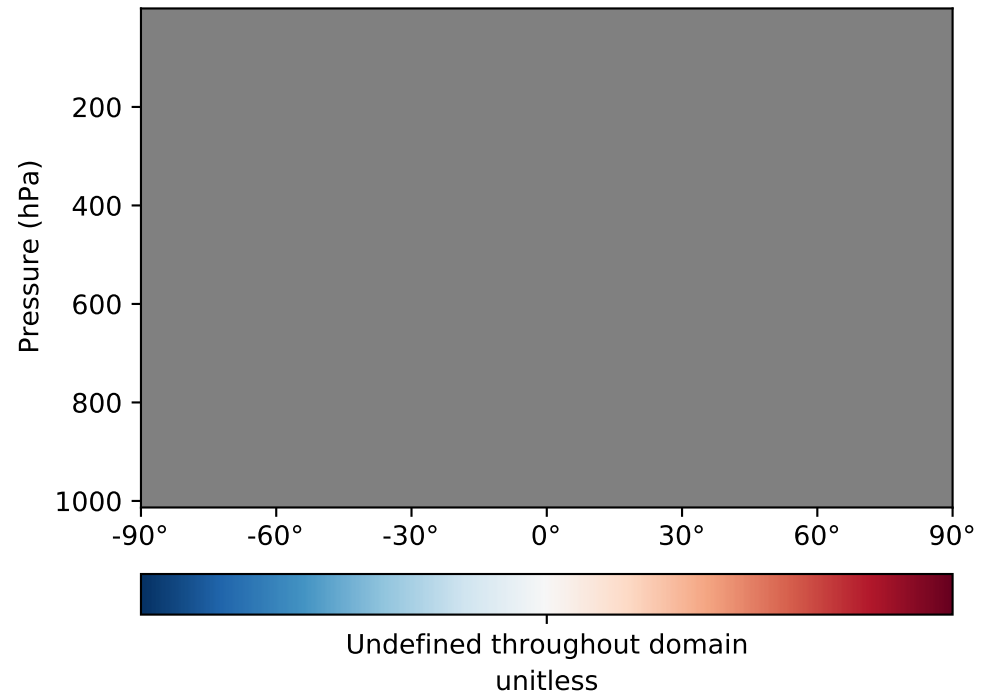
Difference  
Dev - Ref, Restricted Range [5%,95%]



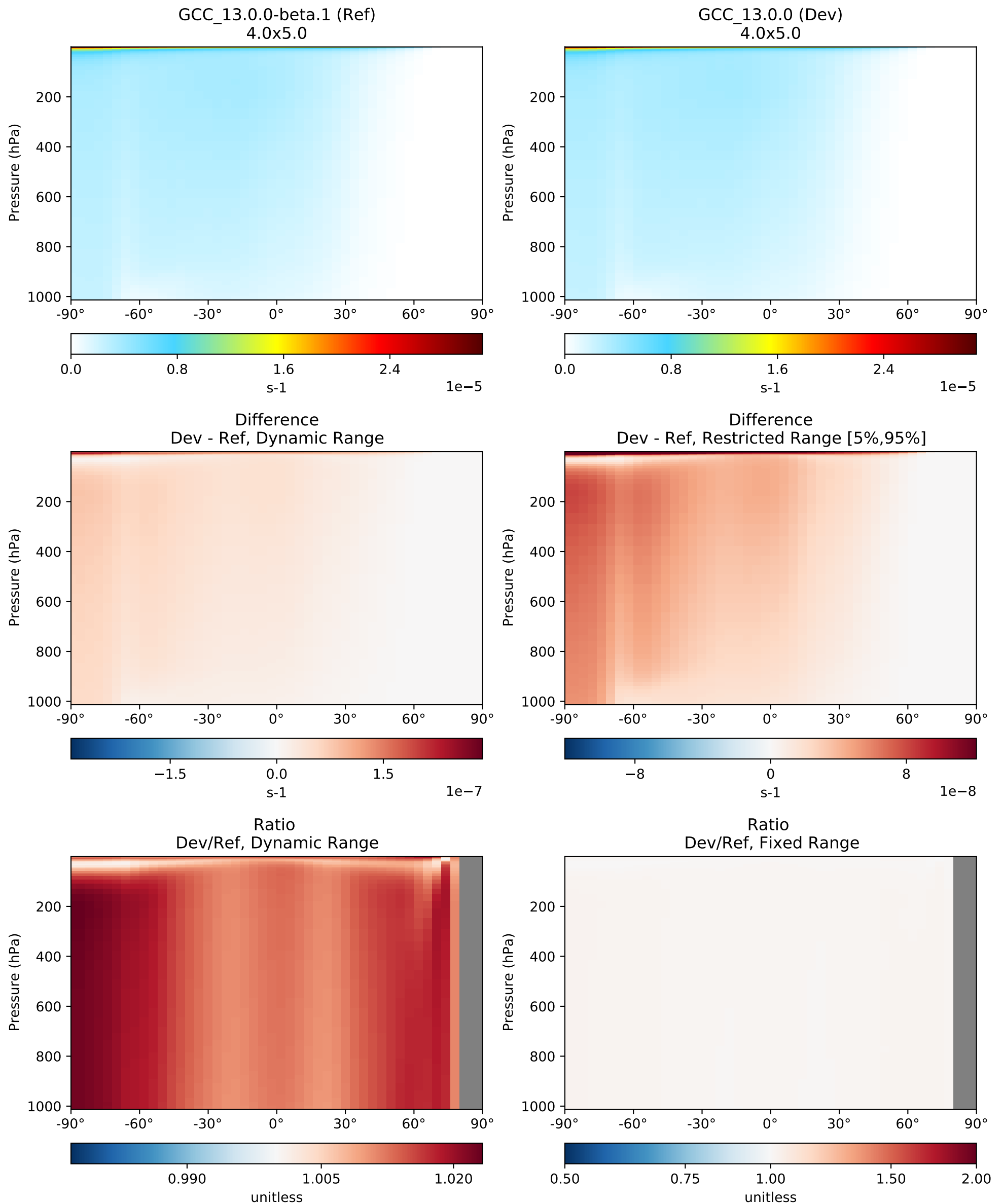
Ratio  
Dev/Ref, Dynamic Range



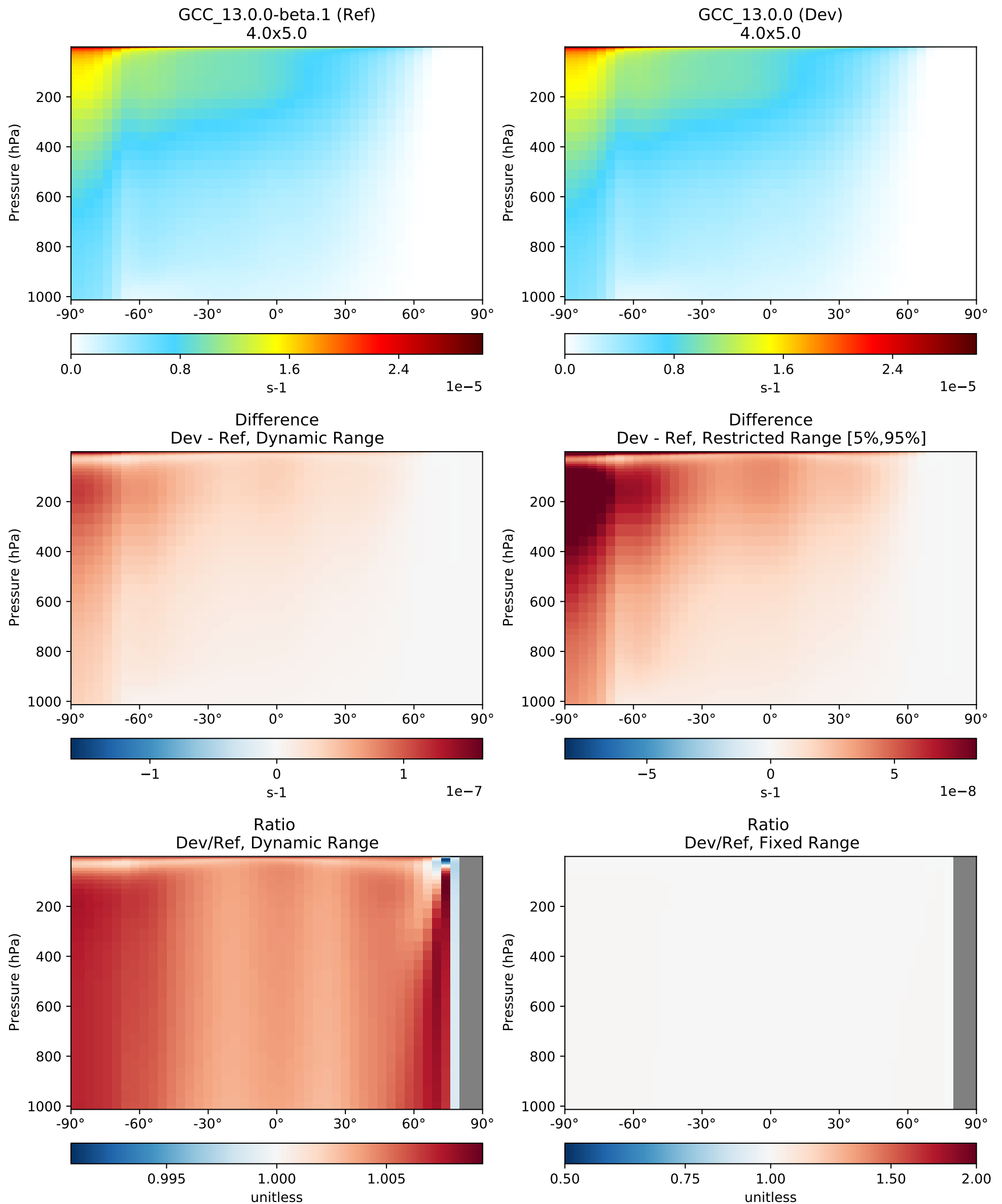
Ratio  
Dev/Ref, Fixed Range



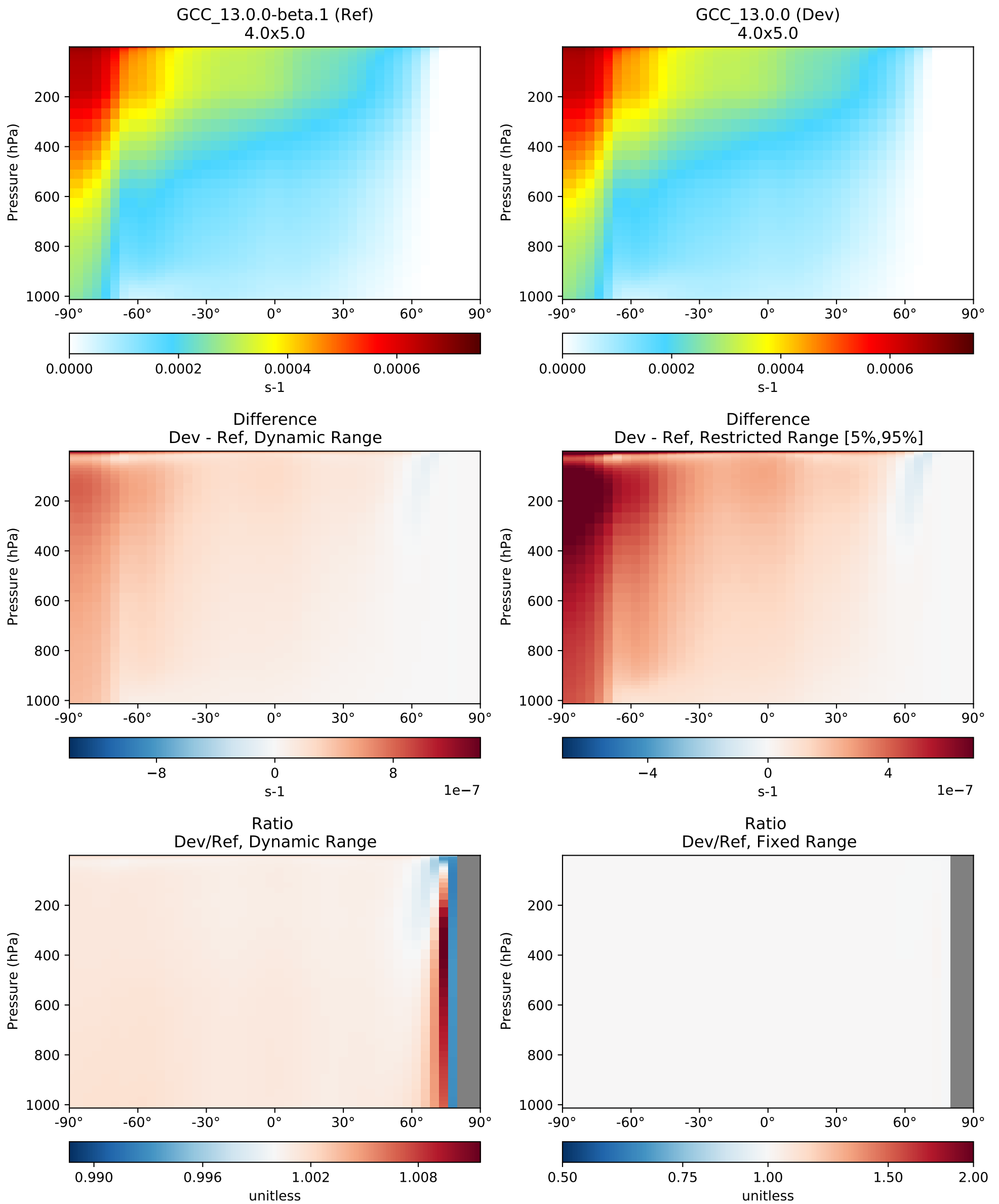
# Jval\_MPN, Zonal Mean (Jan2019)



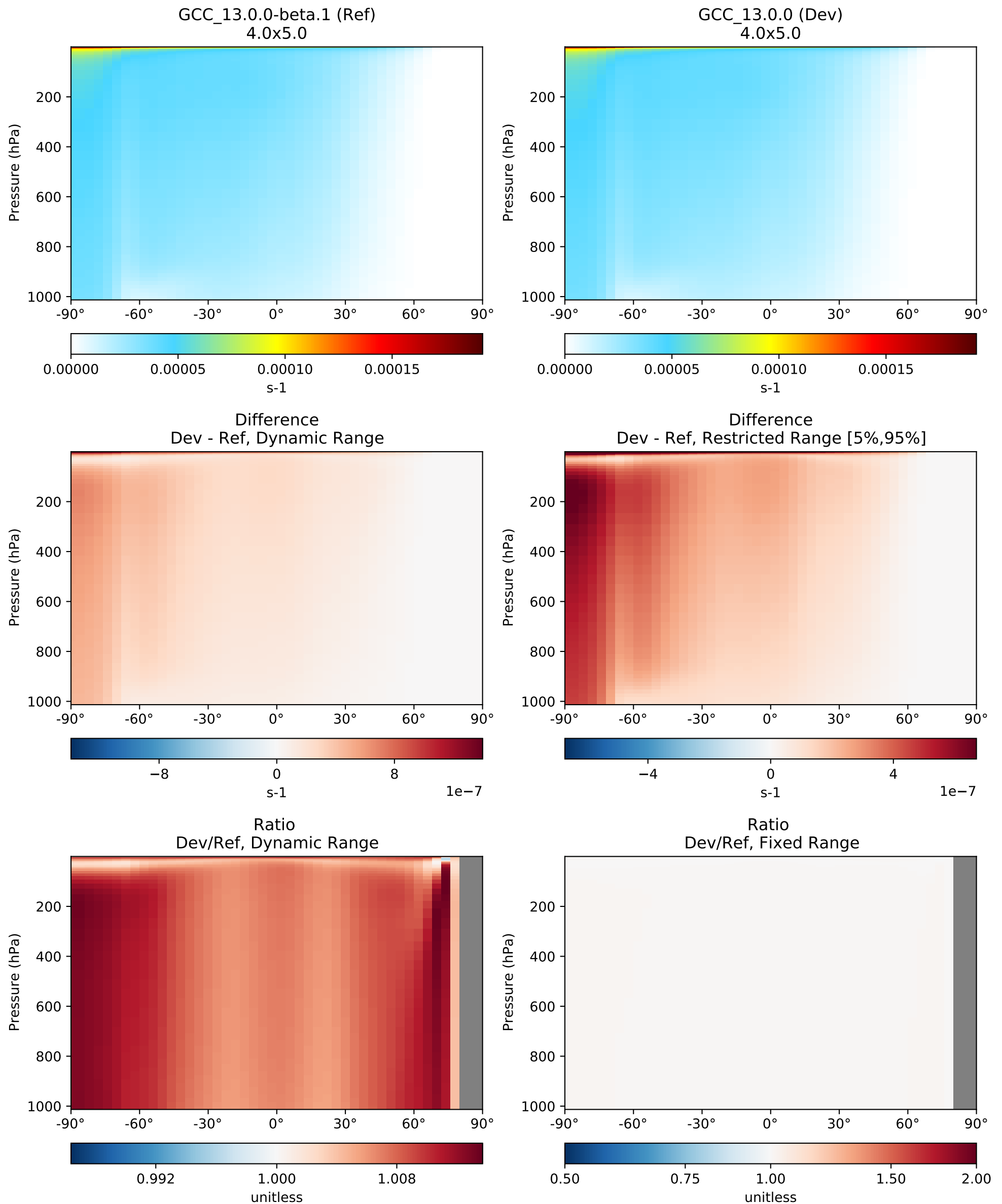
# Jval\_MVK, Zonal Mean (Jan2019)



# Jval\_MVKHC, Zonal Mean (Jan2019)

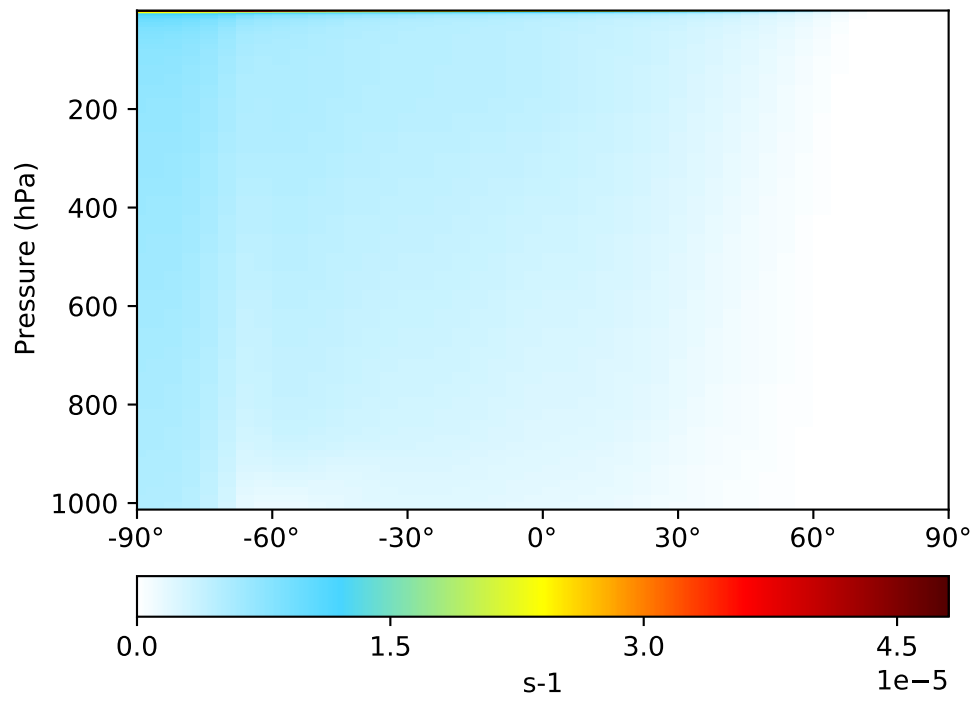


# Jval\_MVKHCB, Zonal Mean (Jan2019)

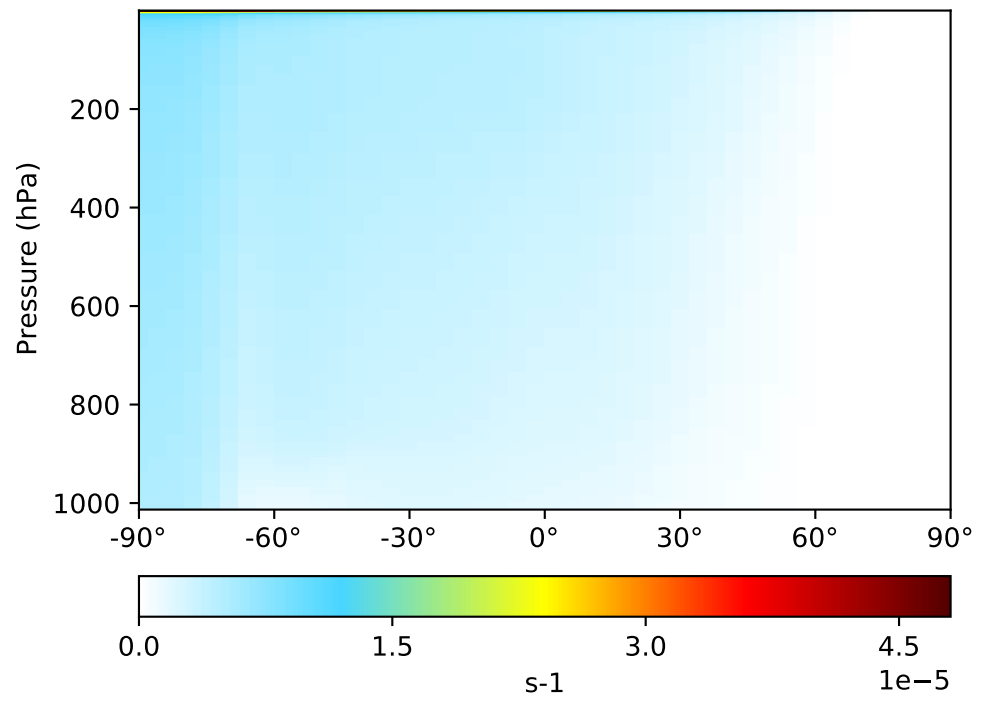


# Jval\_MVKHP, Zonal Mean (Jan2019)

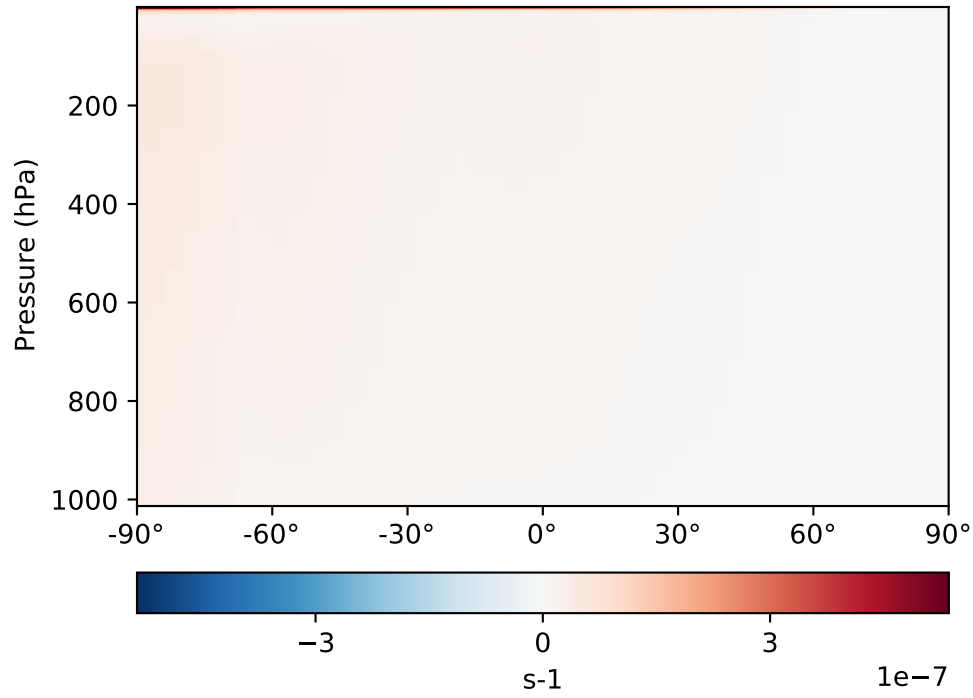
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



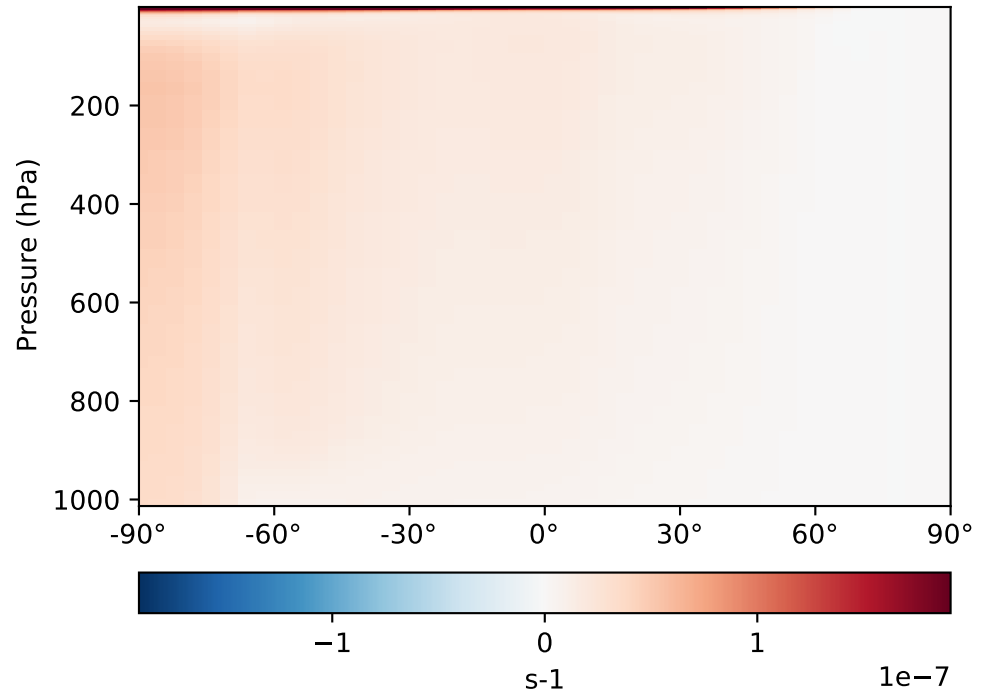
GCC\_13.0.0 (Dev)  
4.0x5.0



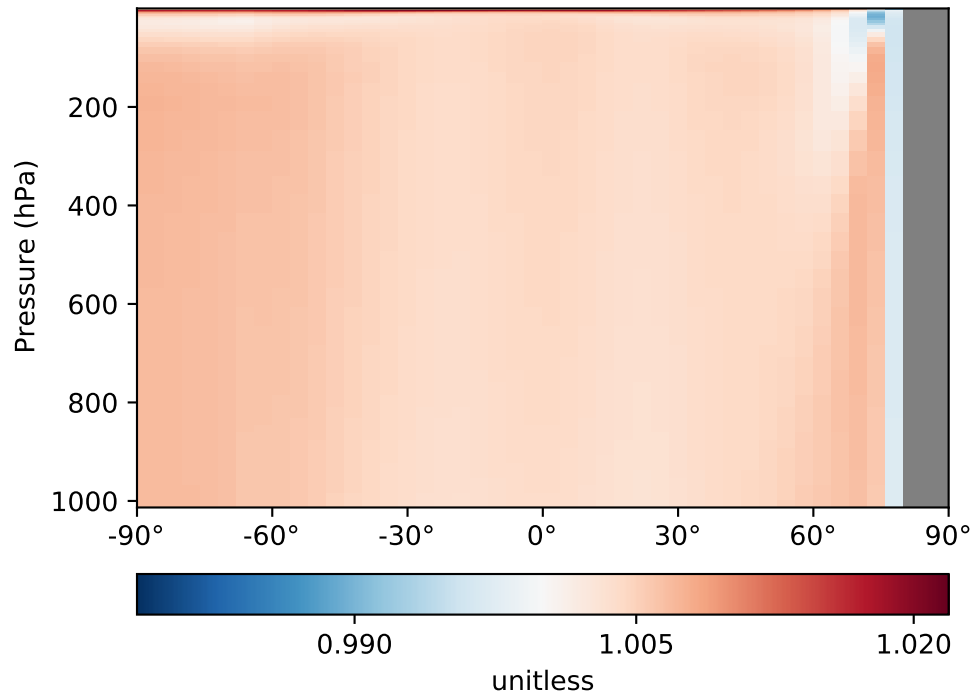
Difference  
Dev - Ref, Dynamic Range



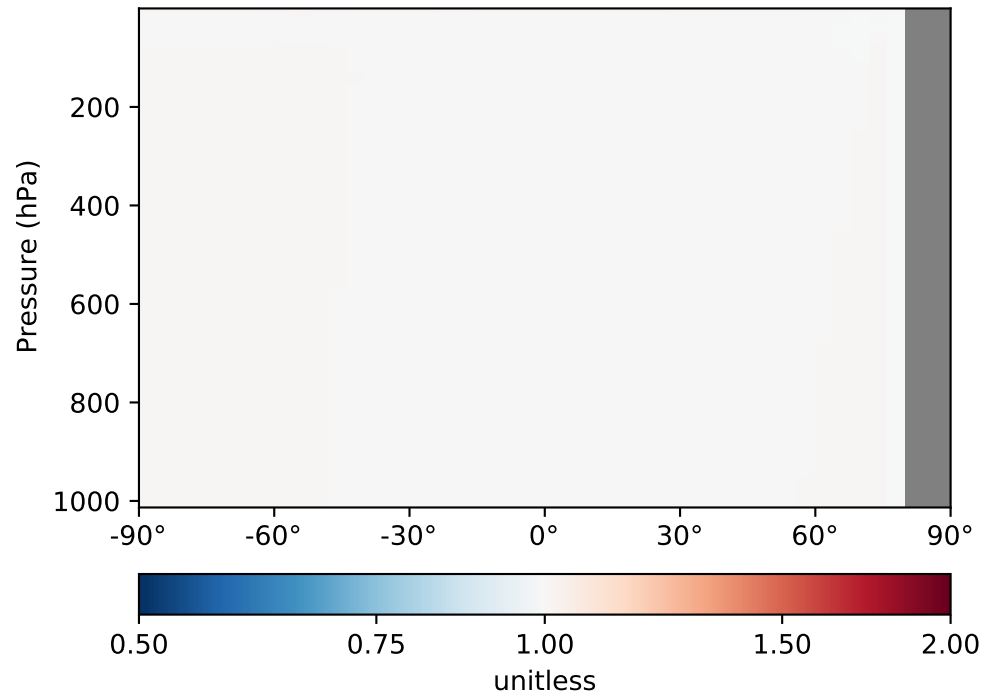
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

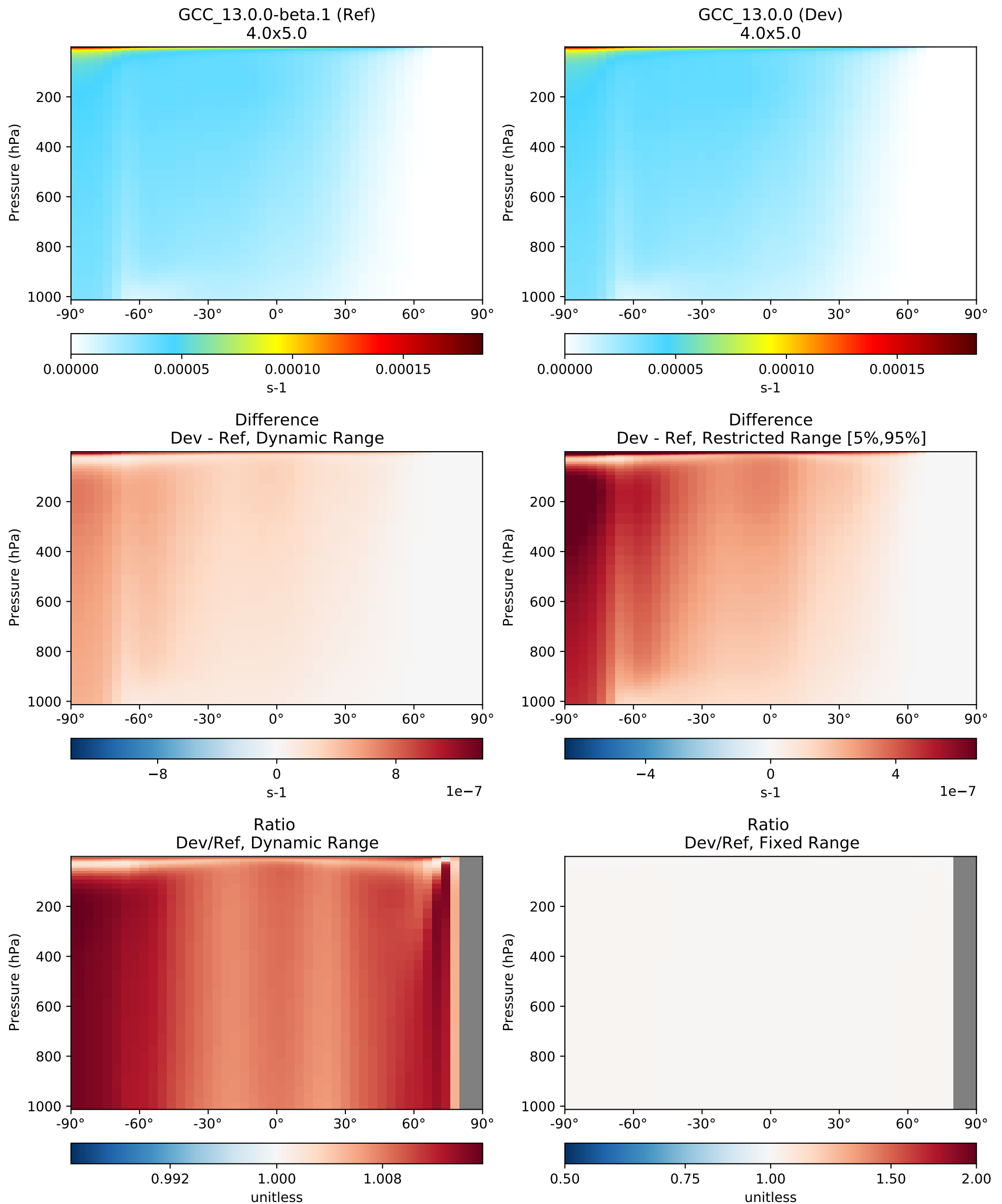


Ratio  
Dev/Ref, Fixed Range

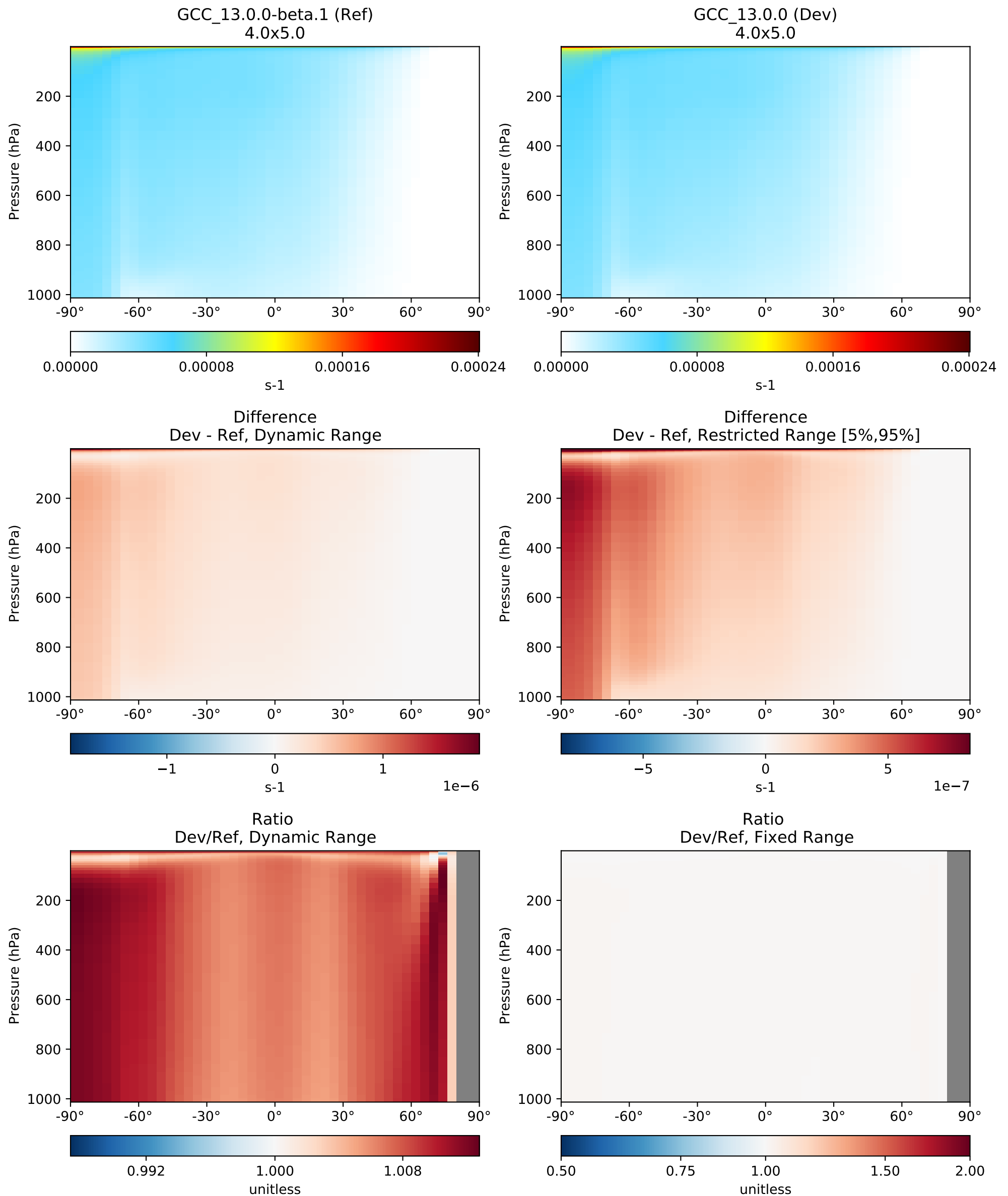




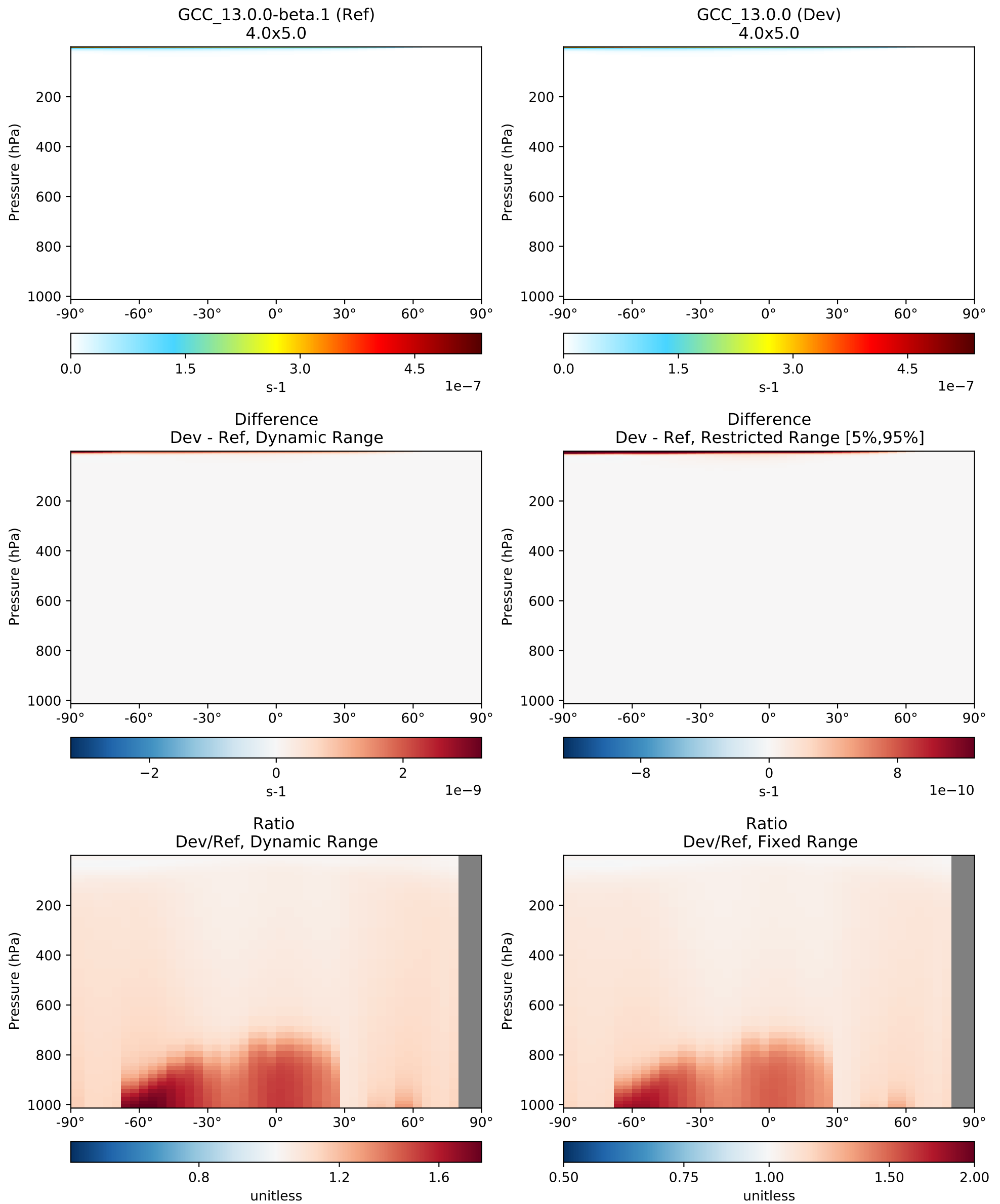
# Jval\_MVKN, Zonal Mean (Jan2019)



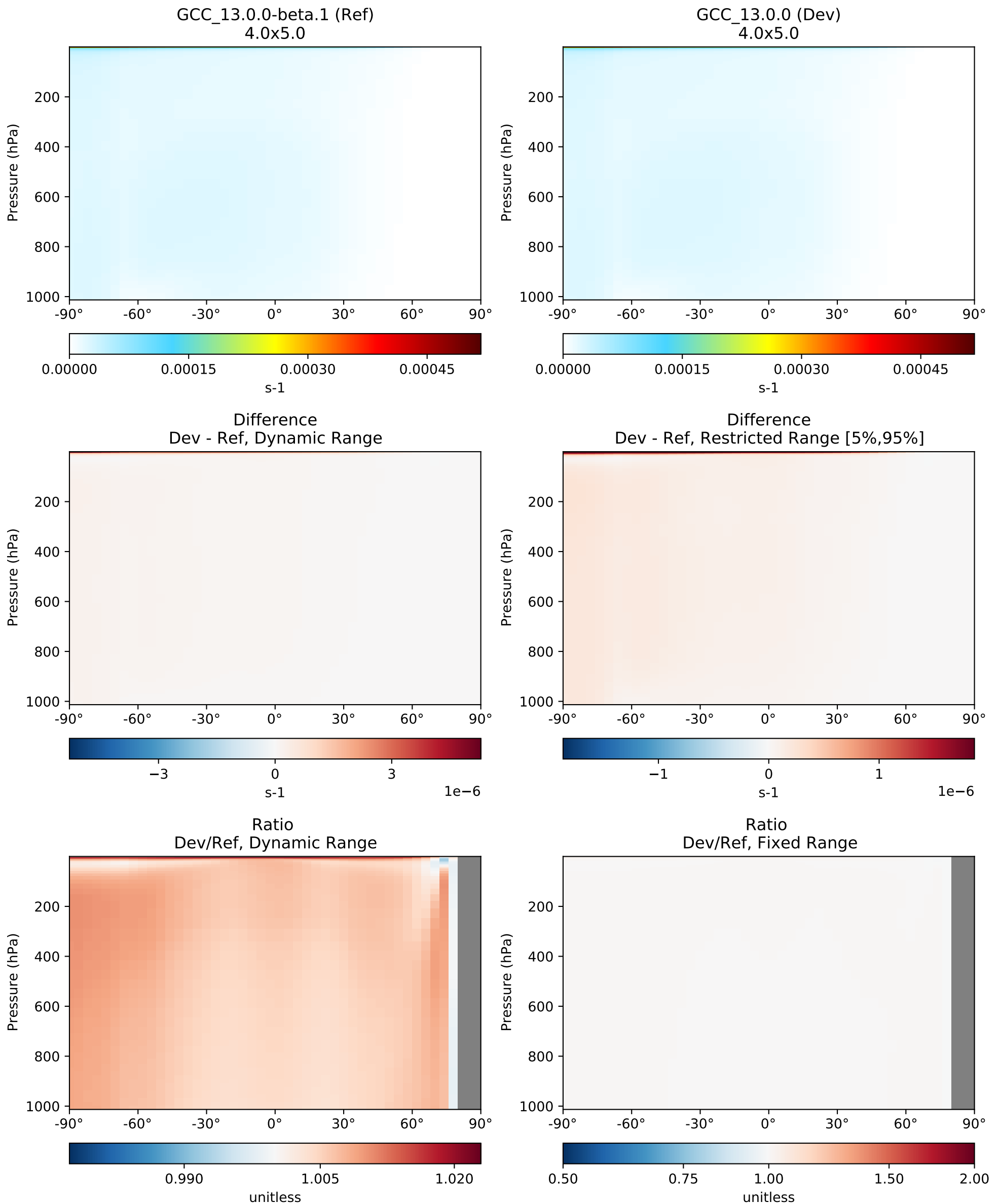
# Jval\_MVKPC, Zonal Mean (Jan2019)



# Jval\_N2O, Zonal Mean (Jan2019)

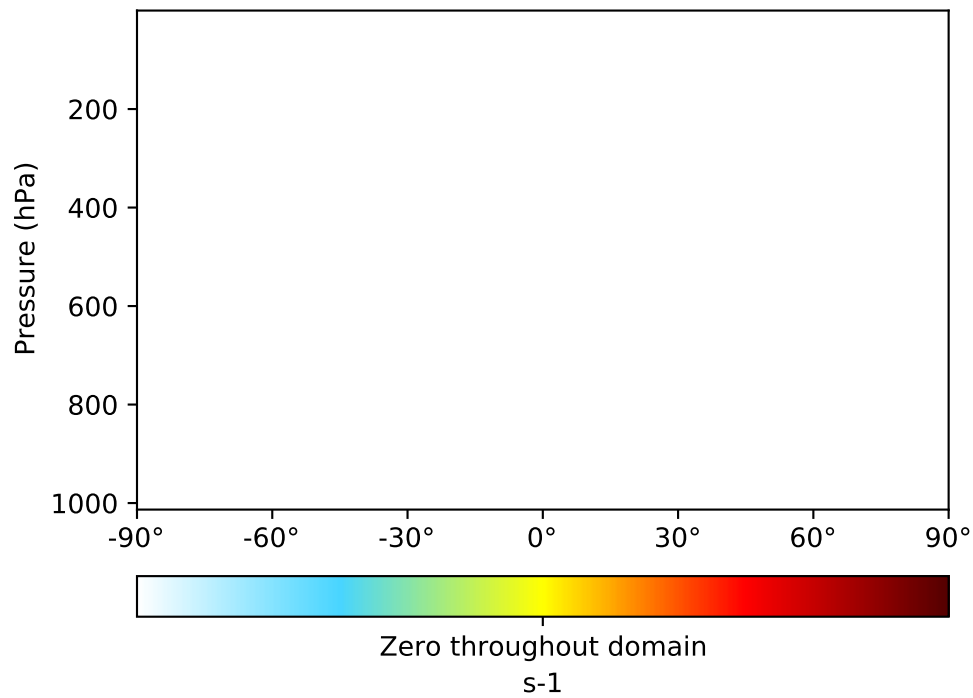


# Jval\_N2O5, Zonal Mean (Jan2019)

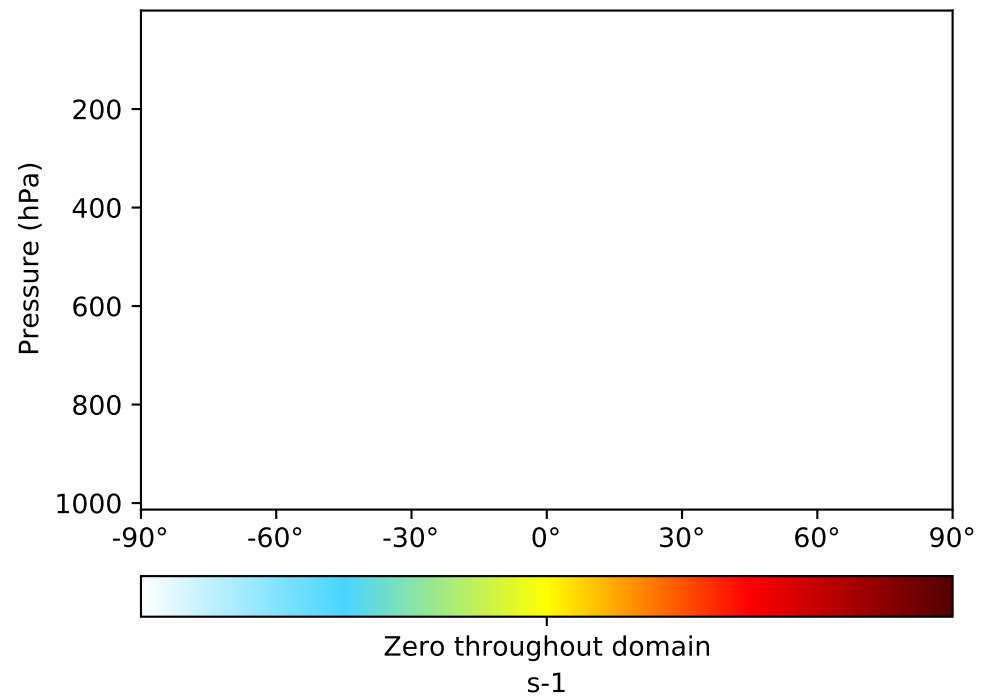


# Jval\_NIT, Zonal Mean (Jan2019)

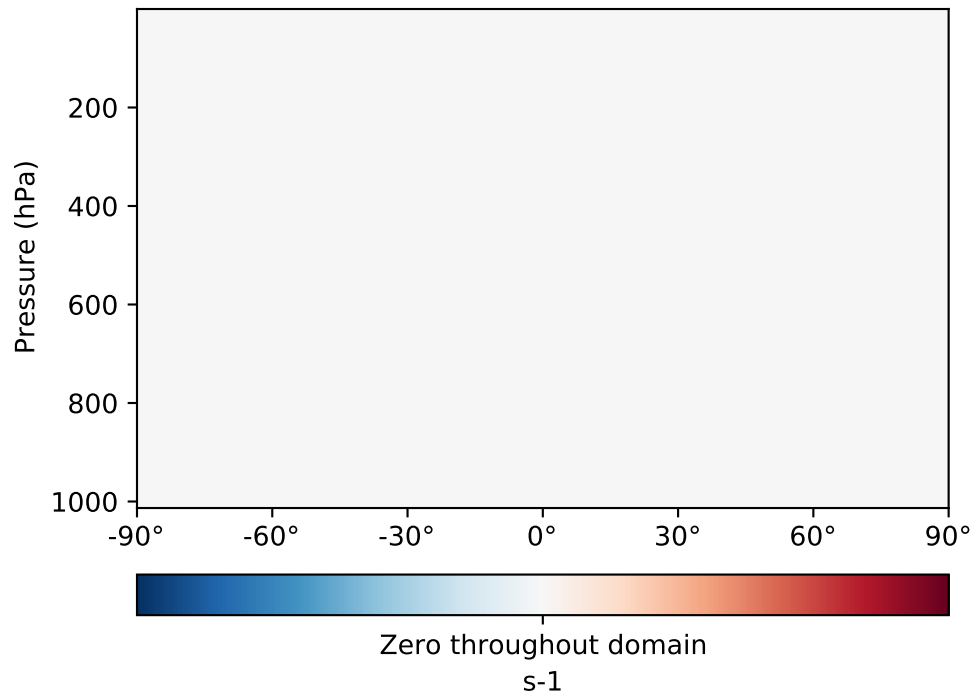
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



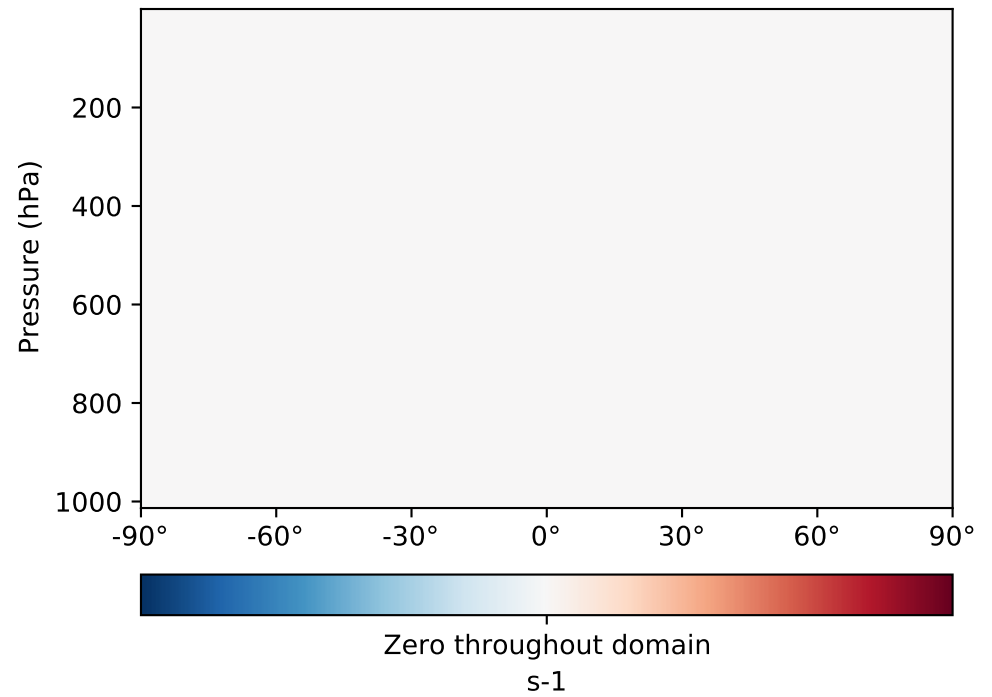
GCC\_13.0.0 (Dev)  
4.0x5.0



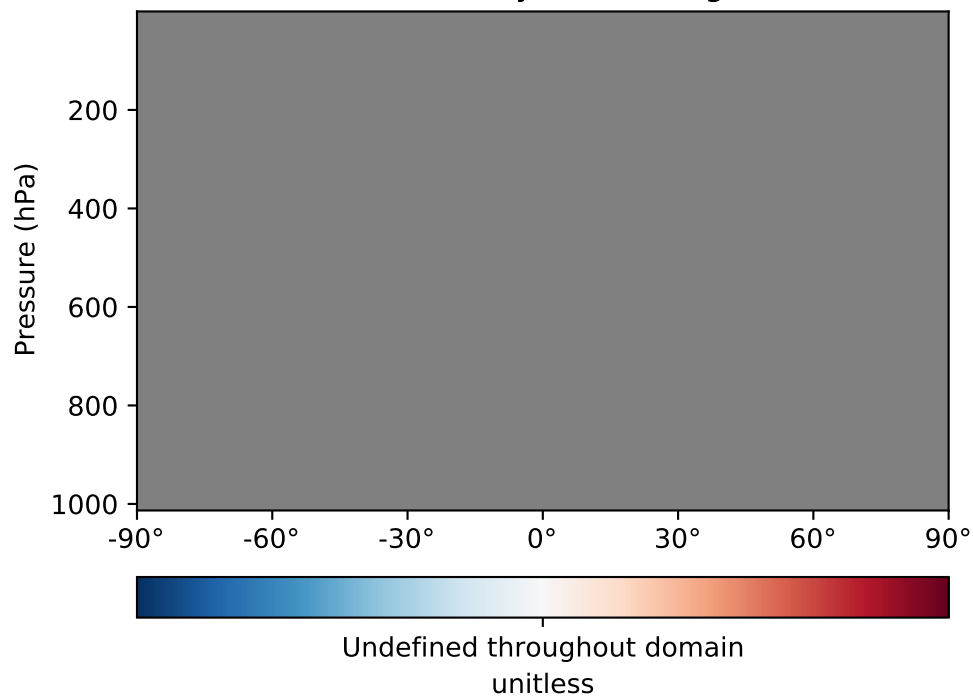
Difference  
Dev - Ref, Dynamic Range



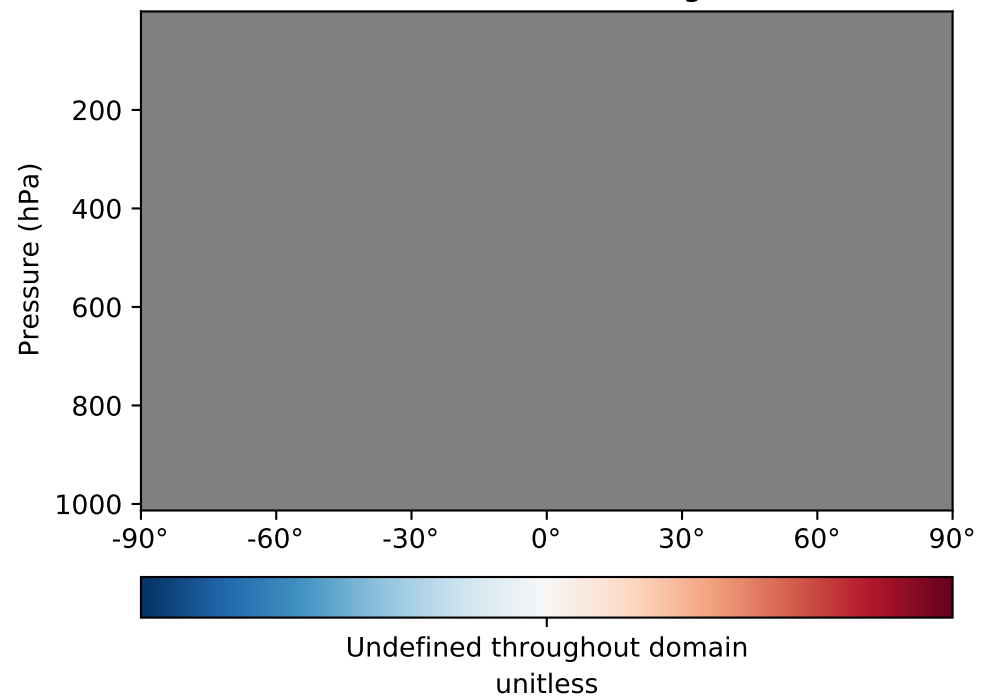
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

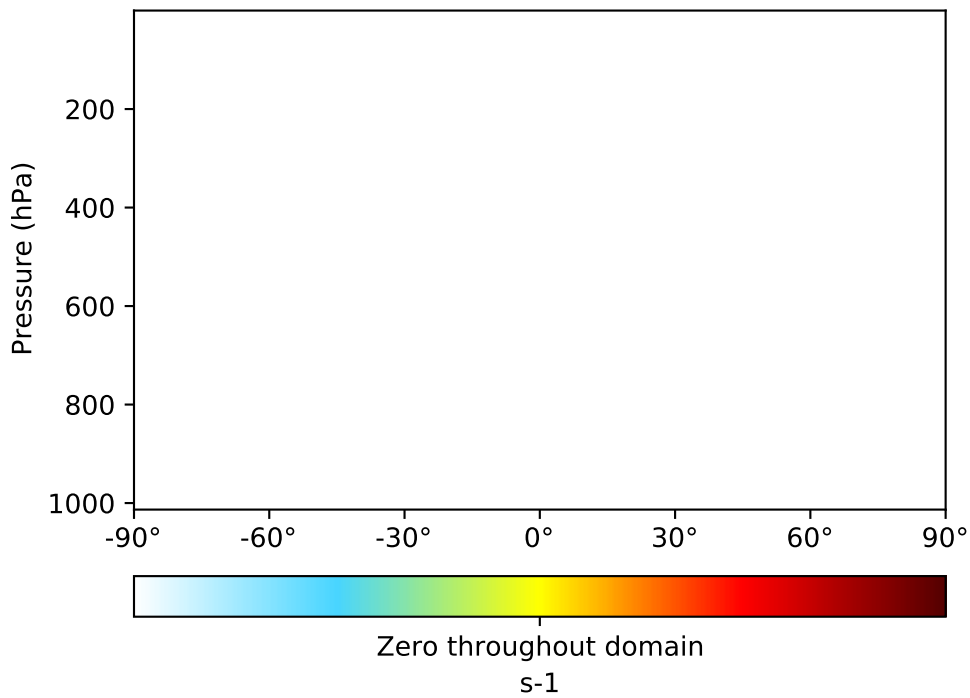


Ratio  
Dev/Ref, Fixed Range

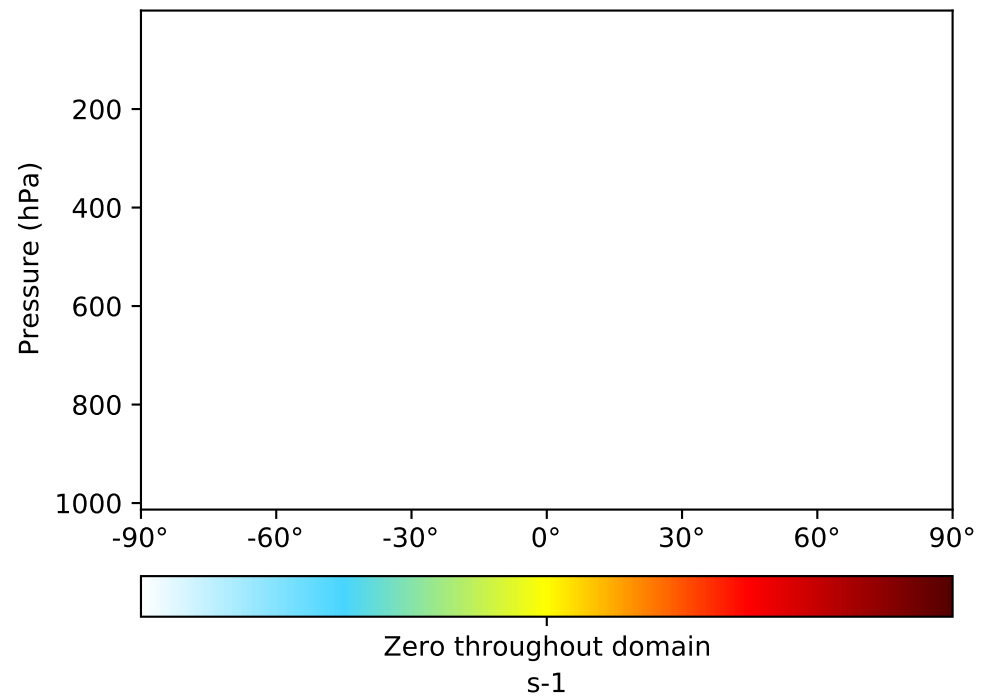


# Jval\_NITs, Zonal Mean (Jan2019)

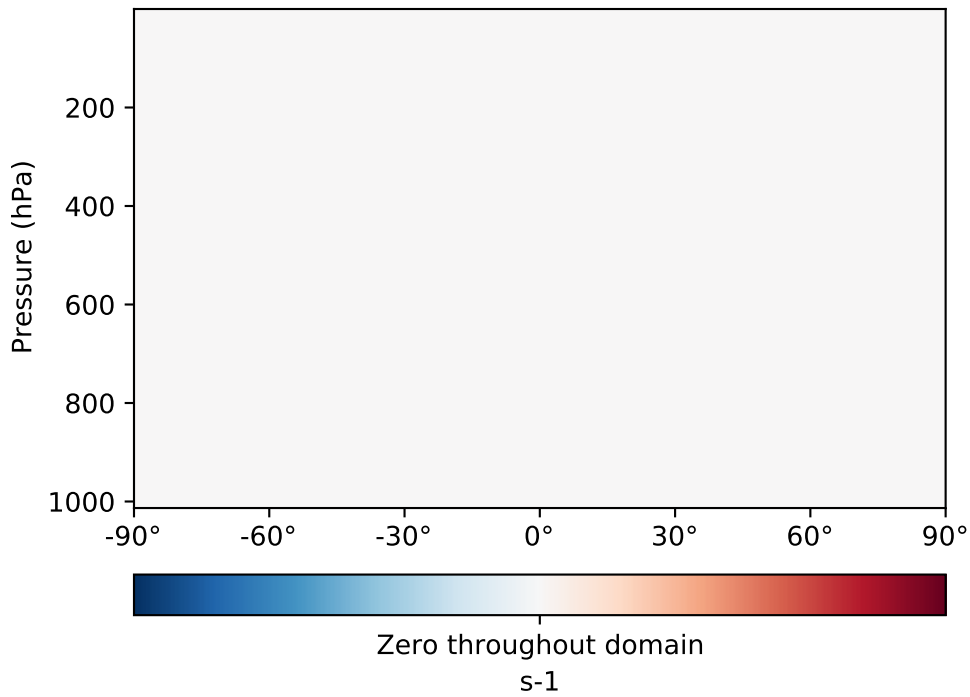
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



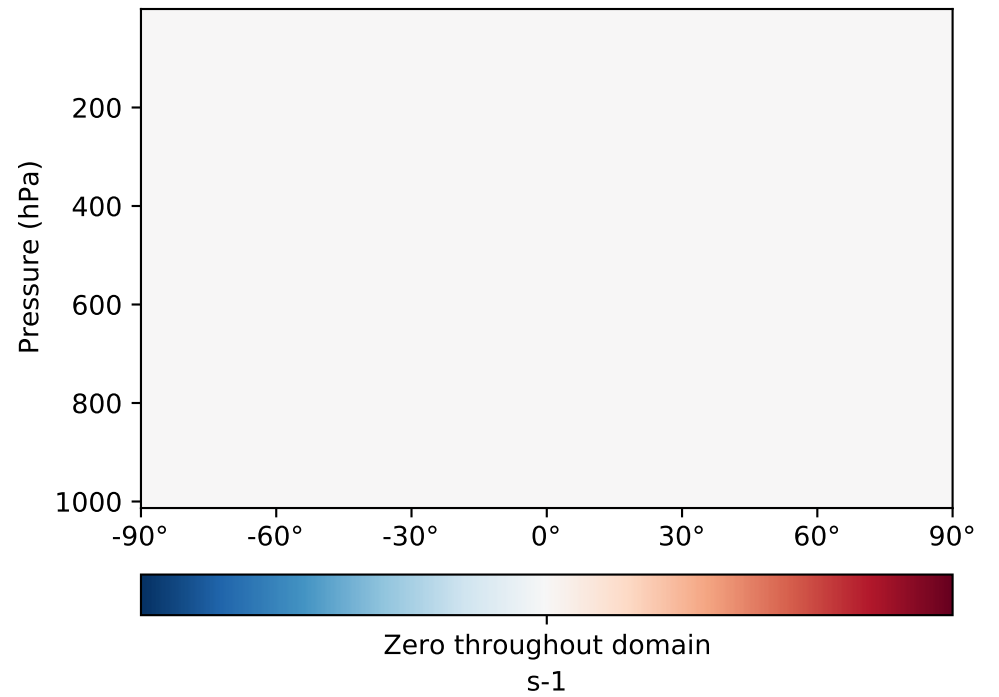
GCC\_13.0.0 (Dev)  
4.0x5.0



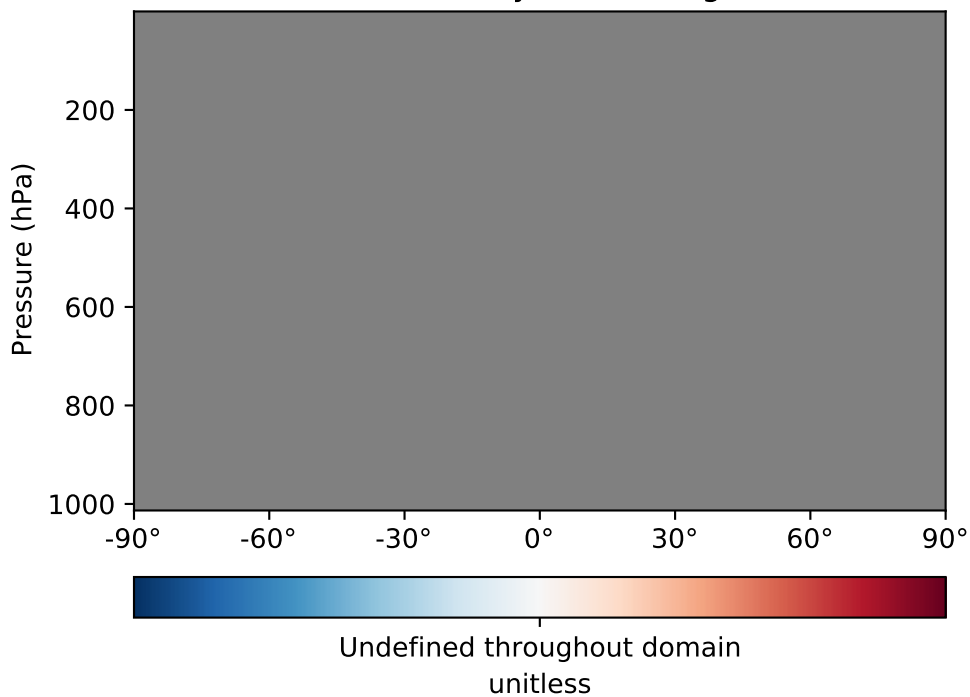
Difference  
Dev - Ref, Dynamic Range



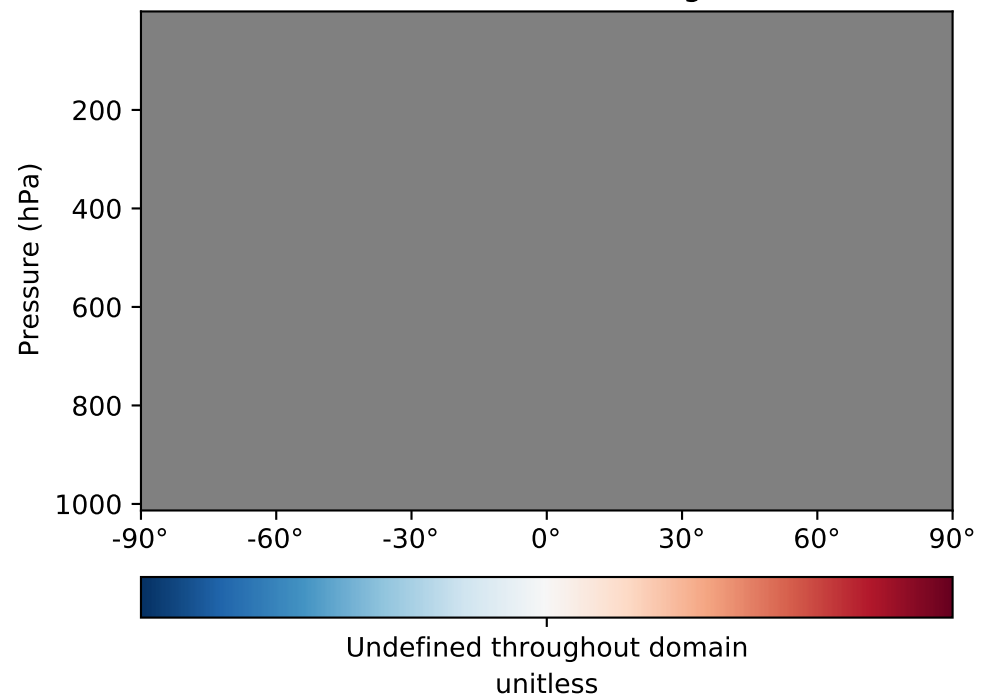
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

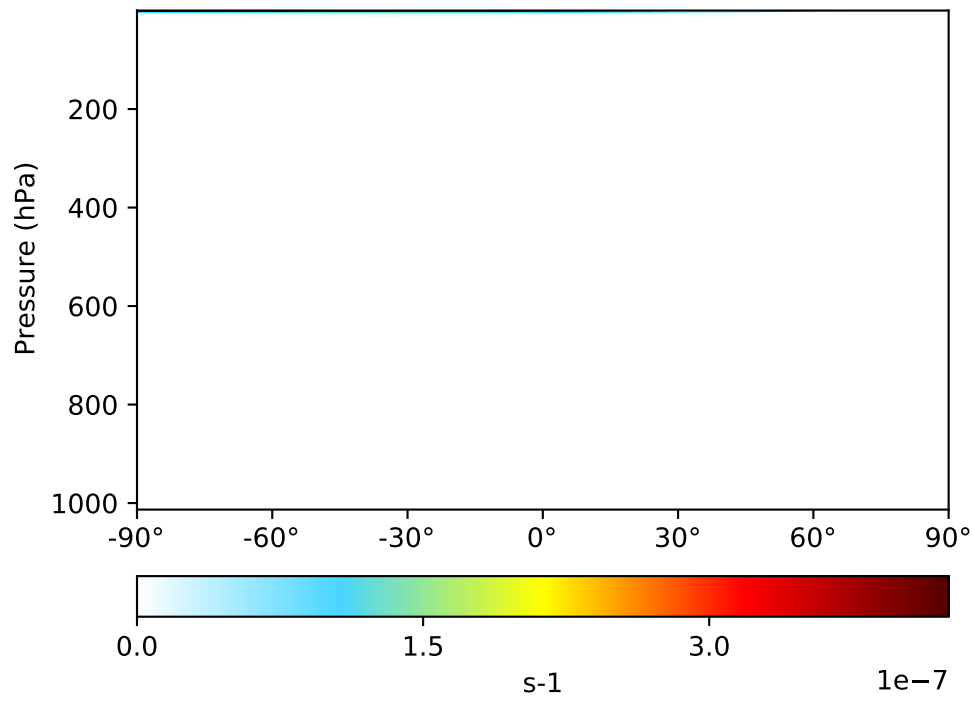


Ratio  
Dev/Ref, Fixed Range

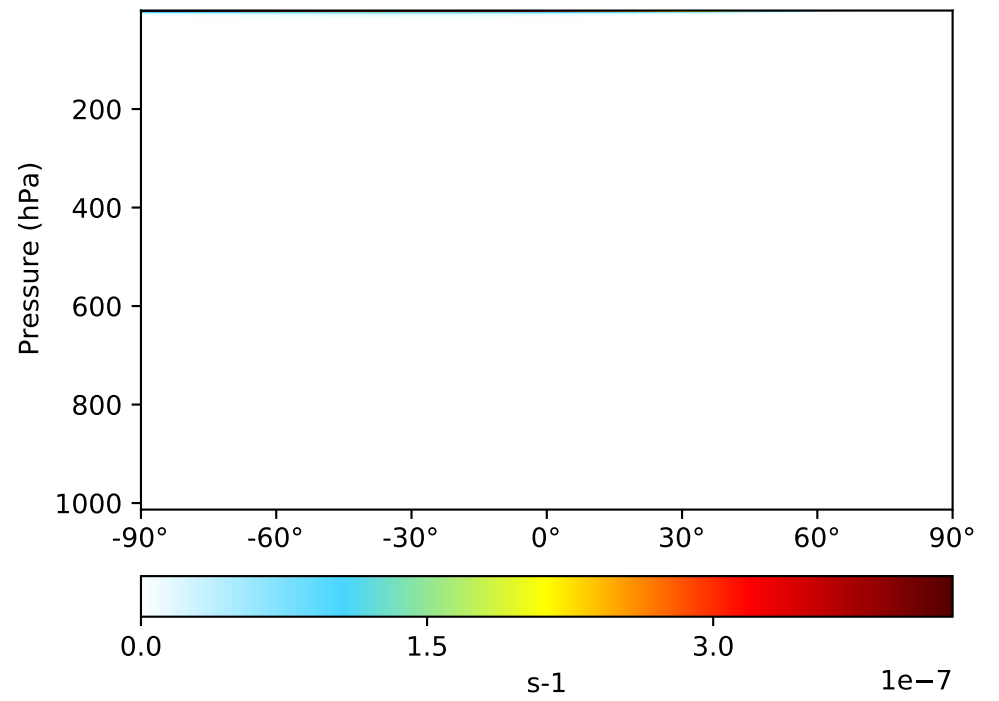


# Jval\_NO, Zonal Mean (Jan2019)

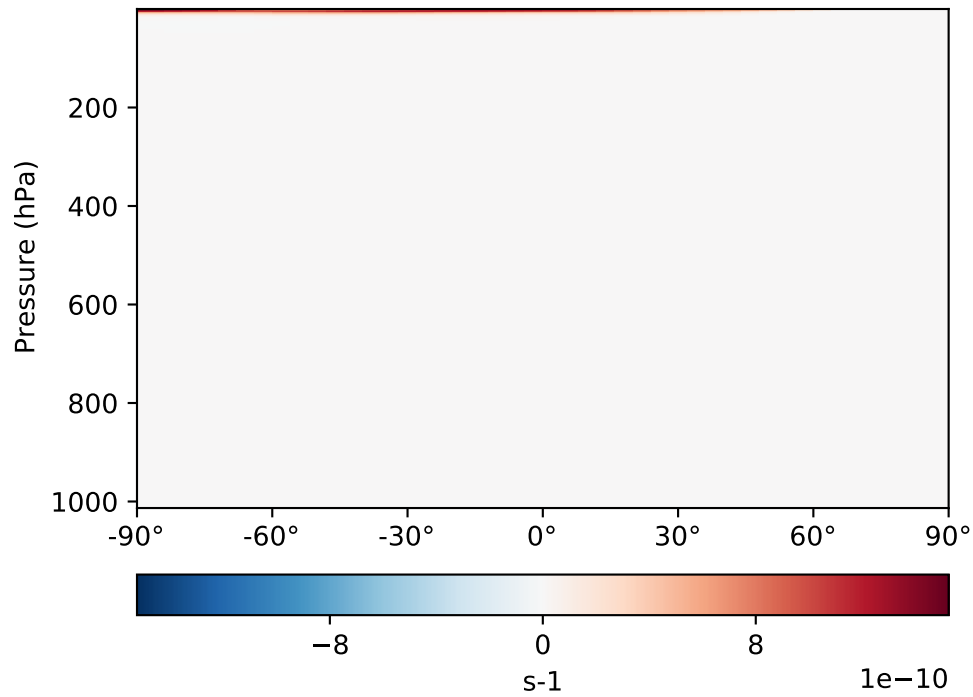
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



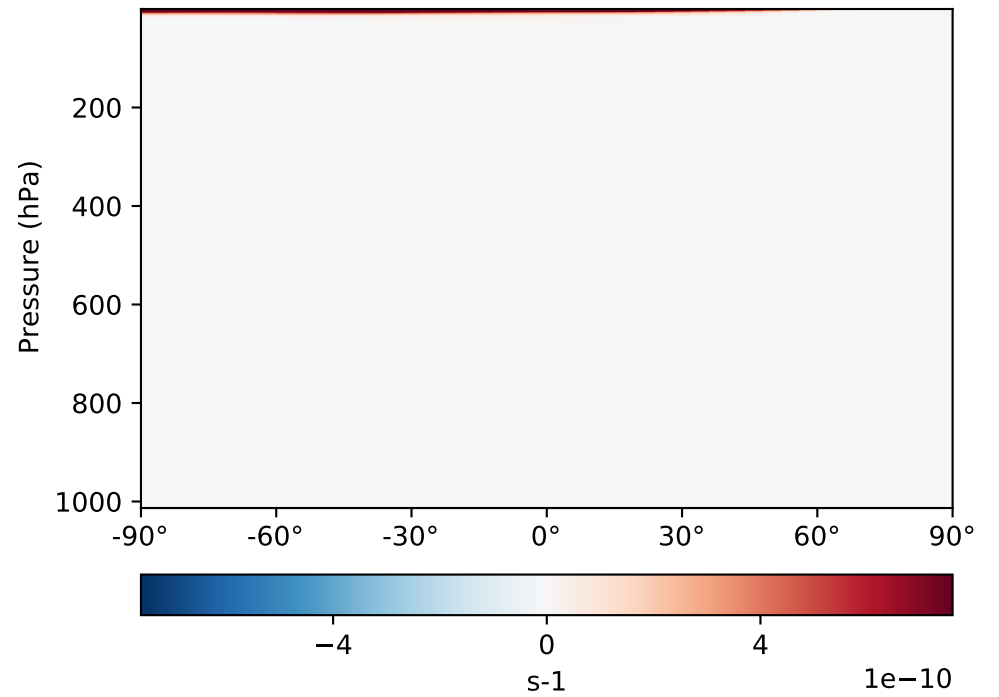
GCC\_13.0.0 (Dev)  
4.0x5.0



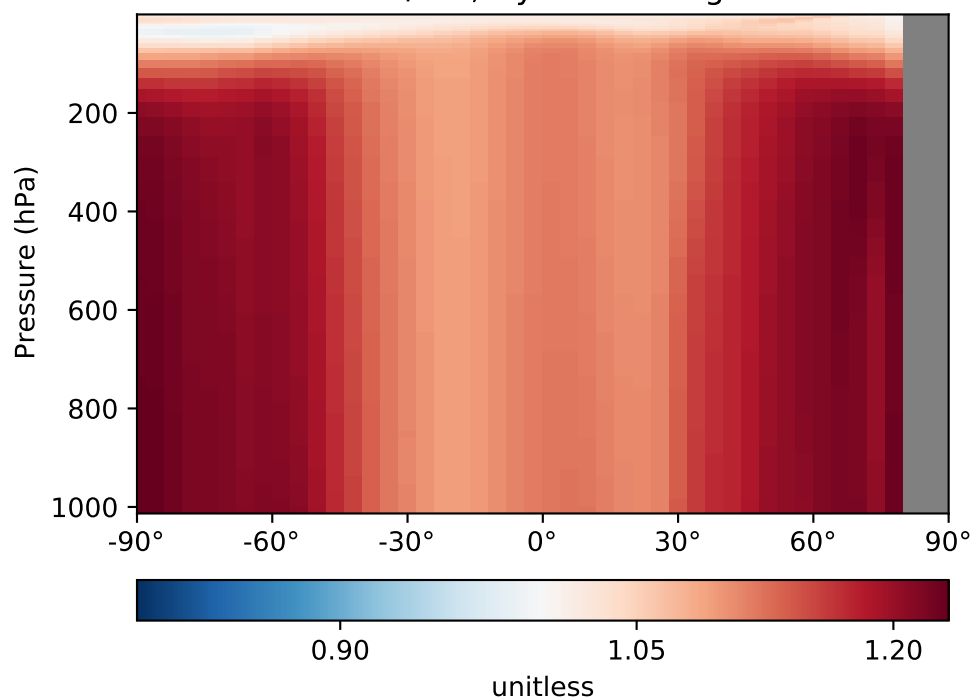
Difference  
Dev - Ref, Dynamic Range



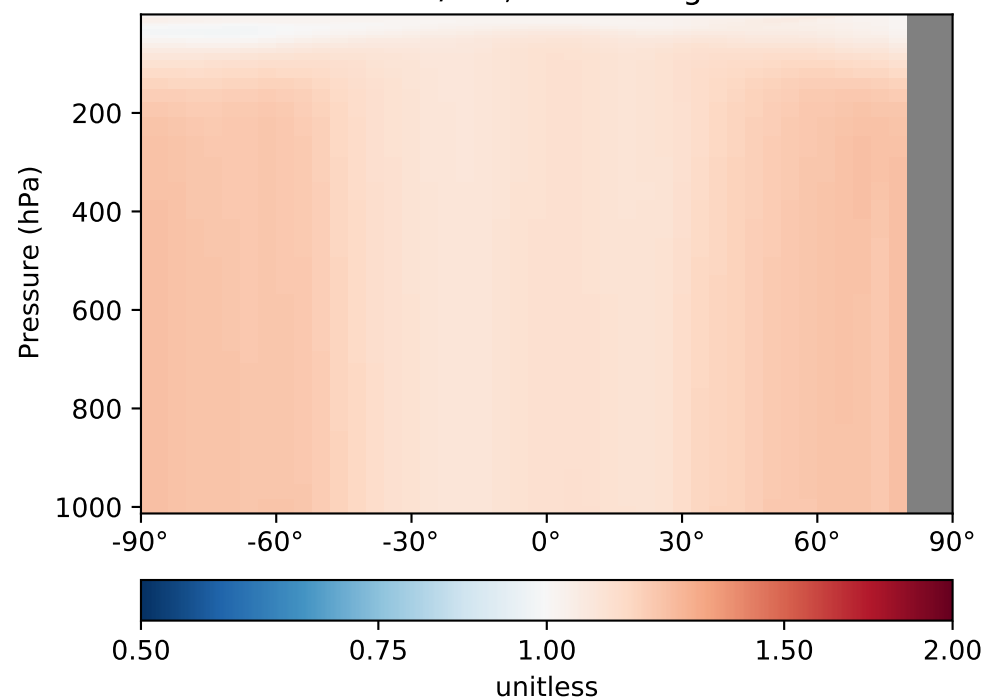
Difference  
Dev - Ref, Restricted Range [5%,95%]



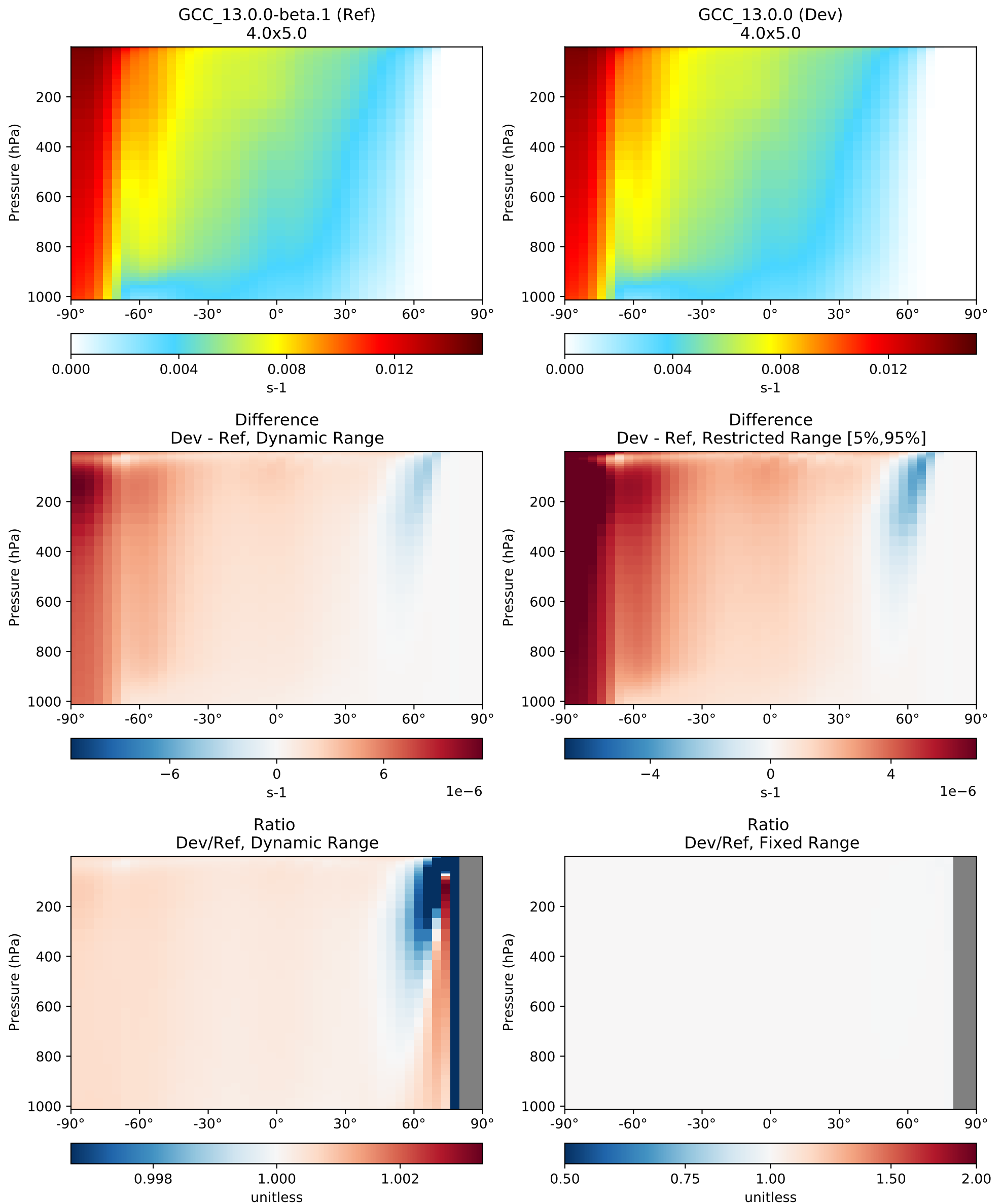
Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

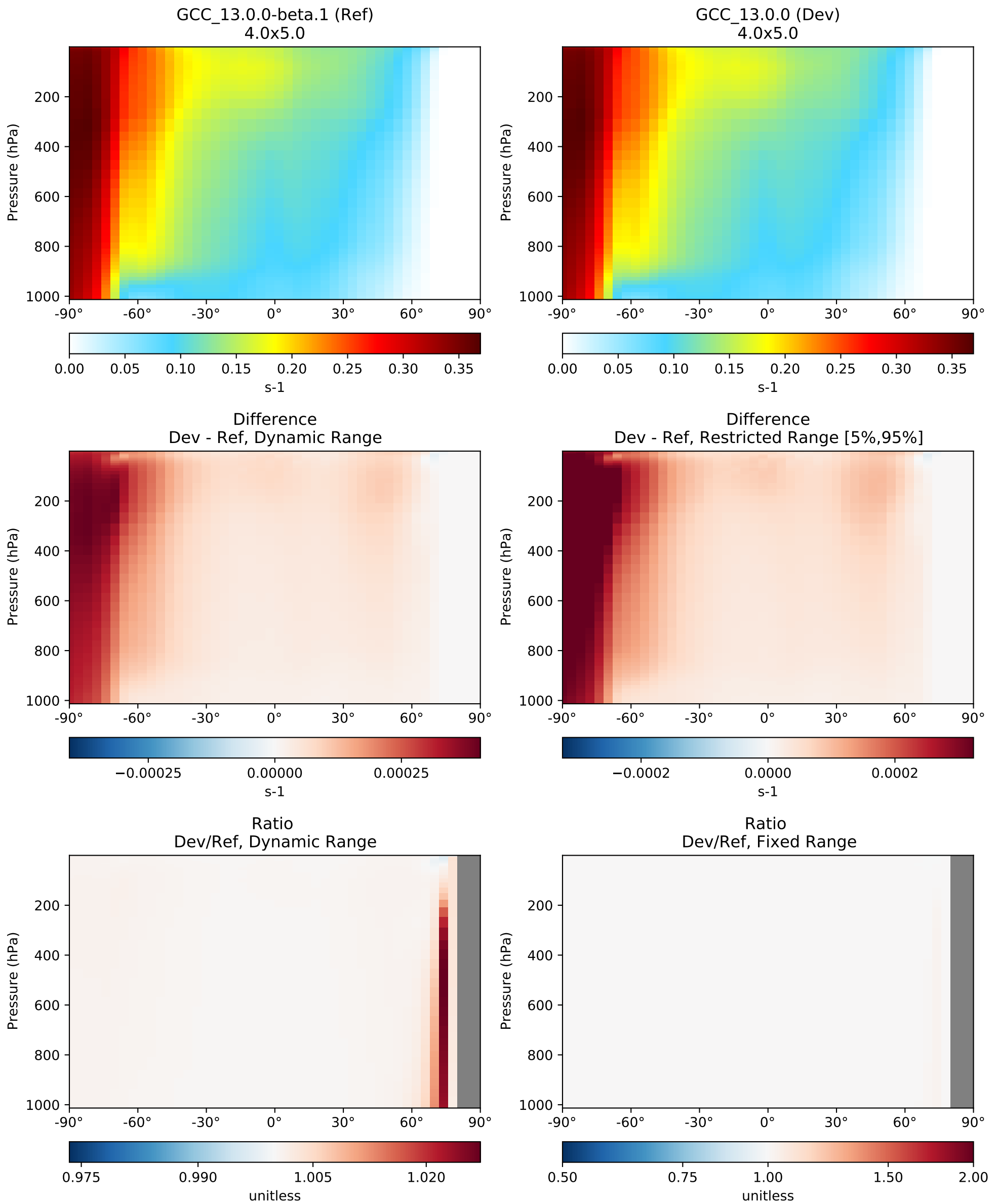


# Jval\_NO2, Zonal Mean (Jan2019)



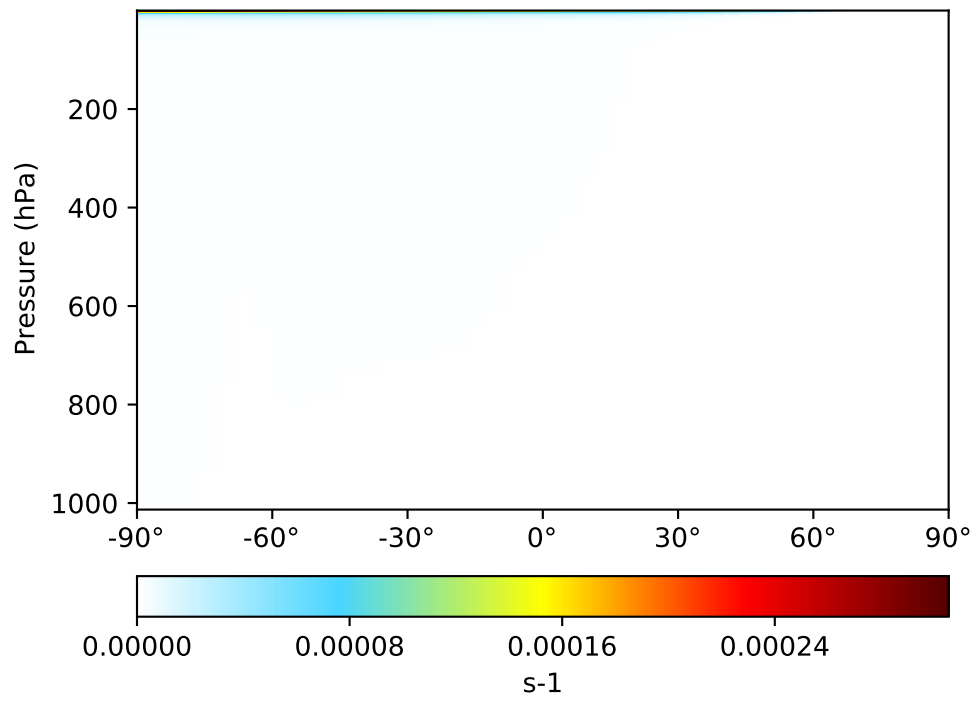


# Jval\_NO3, Zonal Mean (Jan2019)

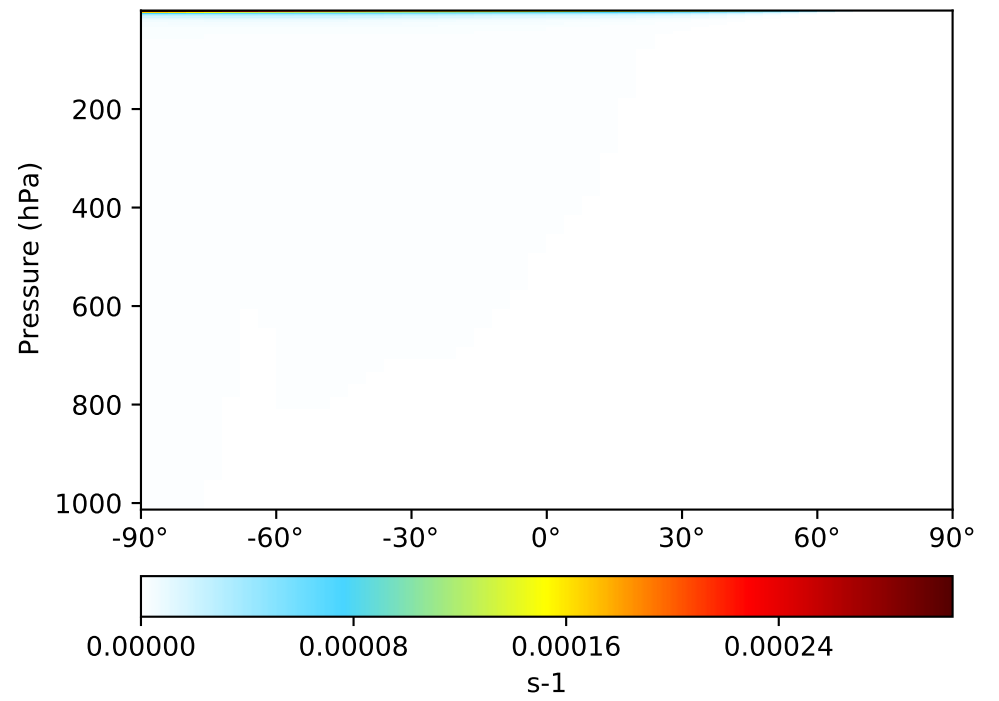


# Jval\_NPRNO3, Zonal Mean (Jan2019)

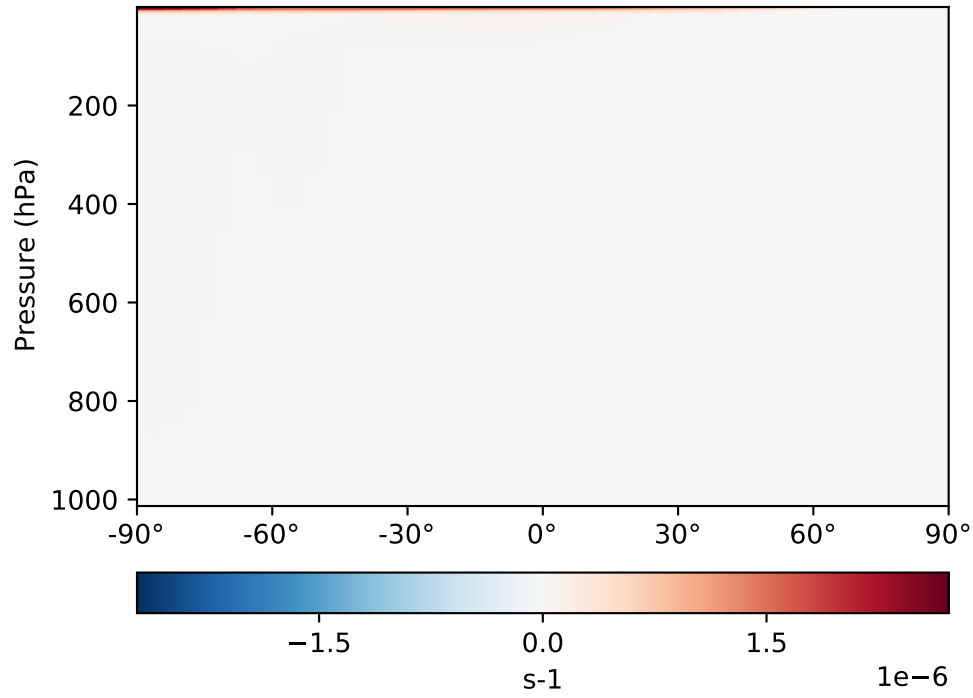
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



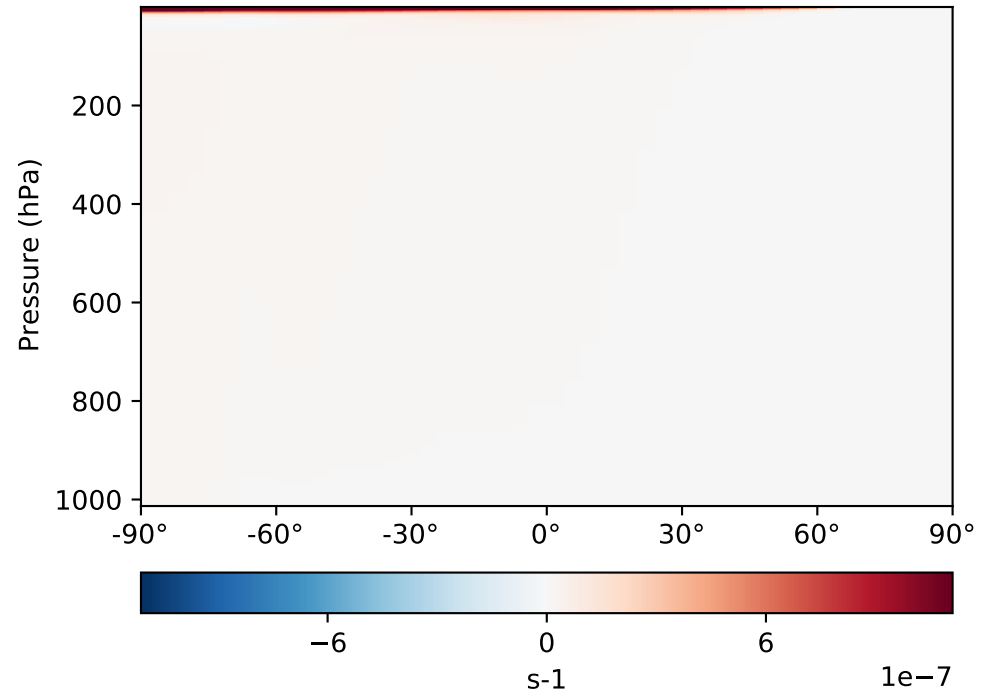
GCC\_13.0.0 (Dev)  
4.0x5.0



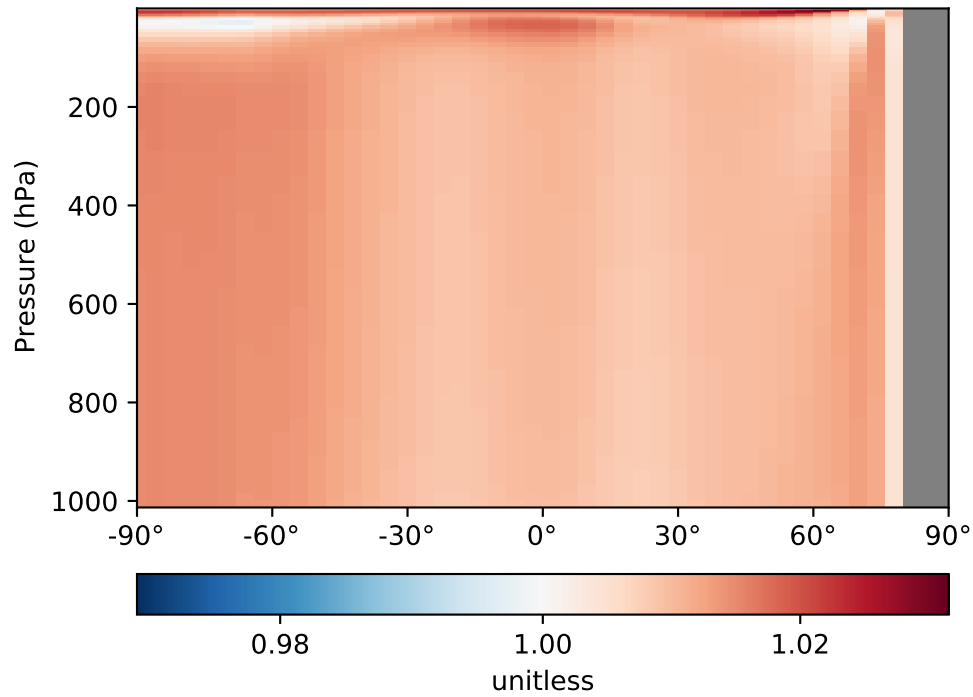
Difference  
Dev - Ref, Dynamic Range



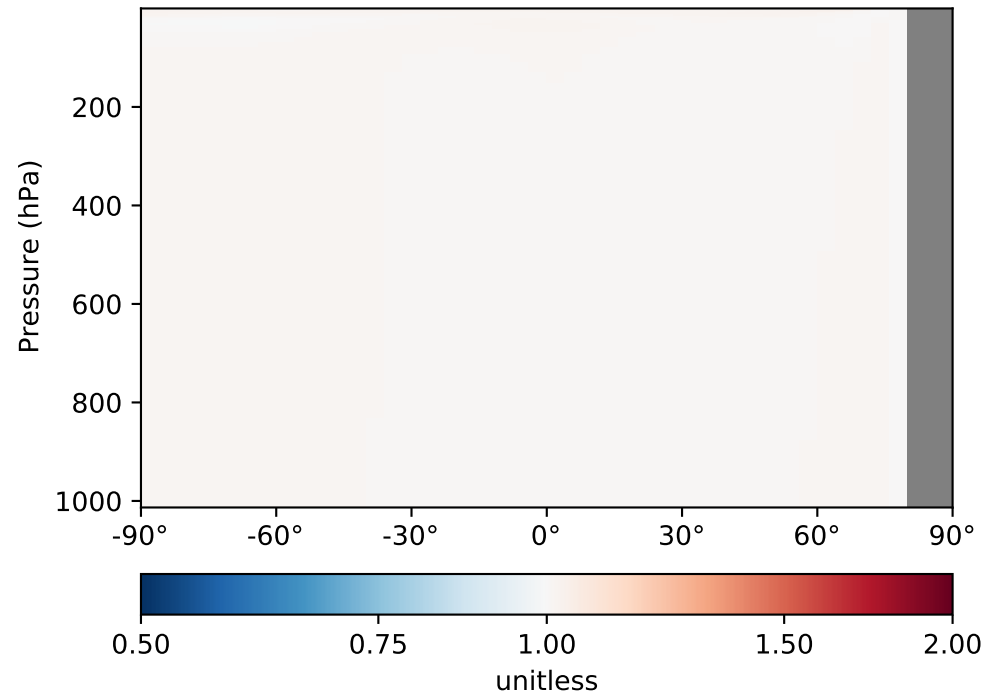
Difference  
Dev - Ref, Restricted Range [5%,95%]



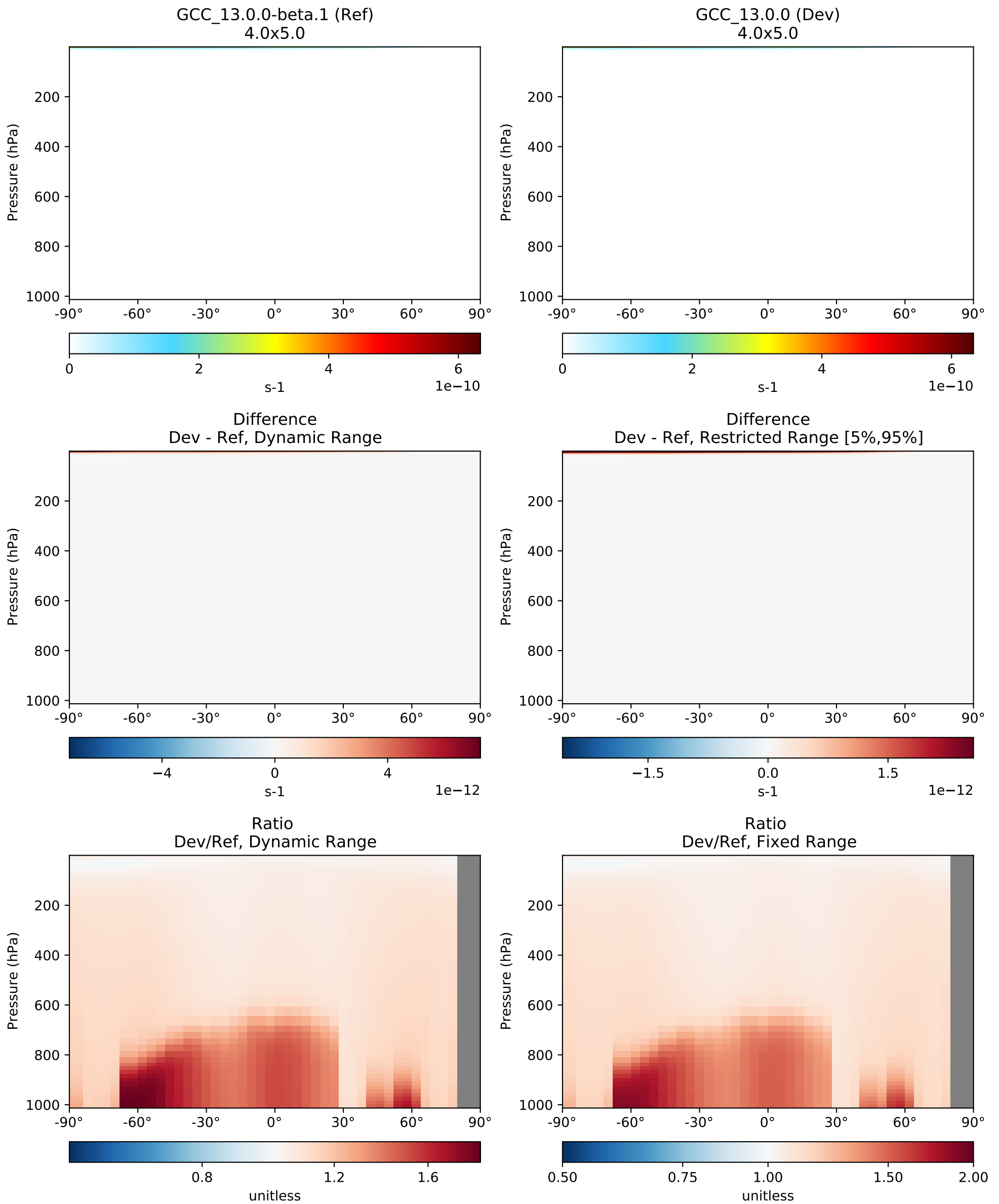
Ratio  
Dev/Ref, Dynamic Range



Ratio  
Dev/Ref, Fixed Range

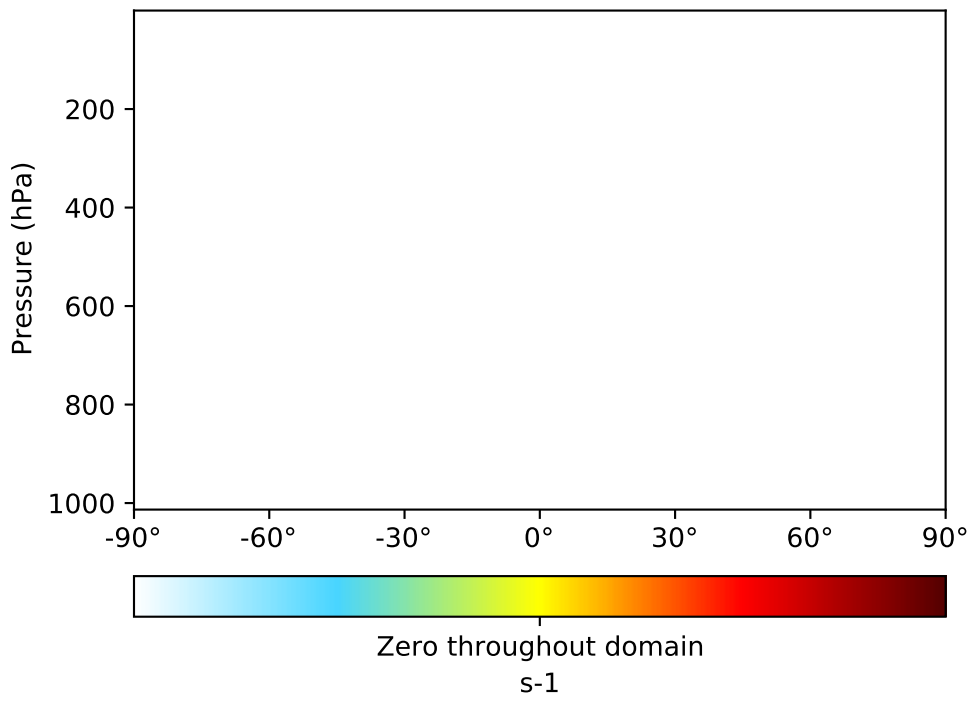


# Jval\_O2, Zonal Mean (Jan2019)

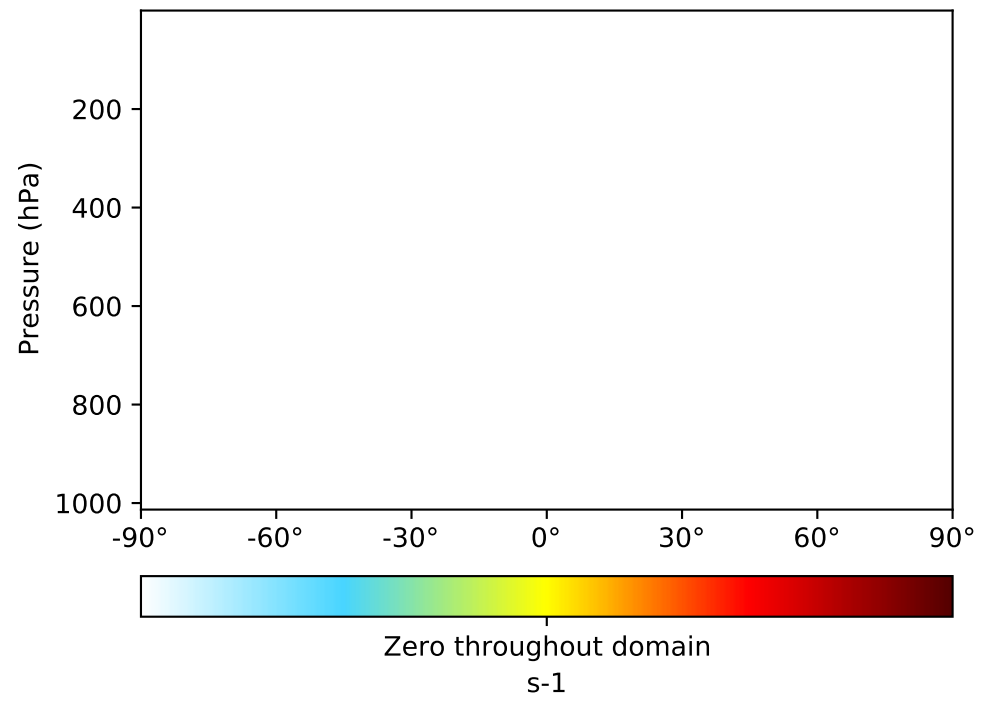


# Jval\_O3, Zonal Mean (Jan2019)

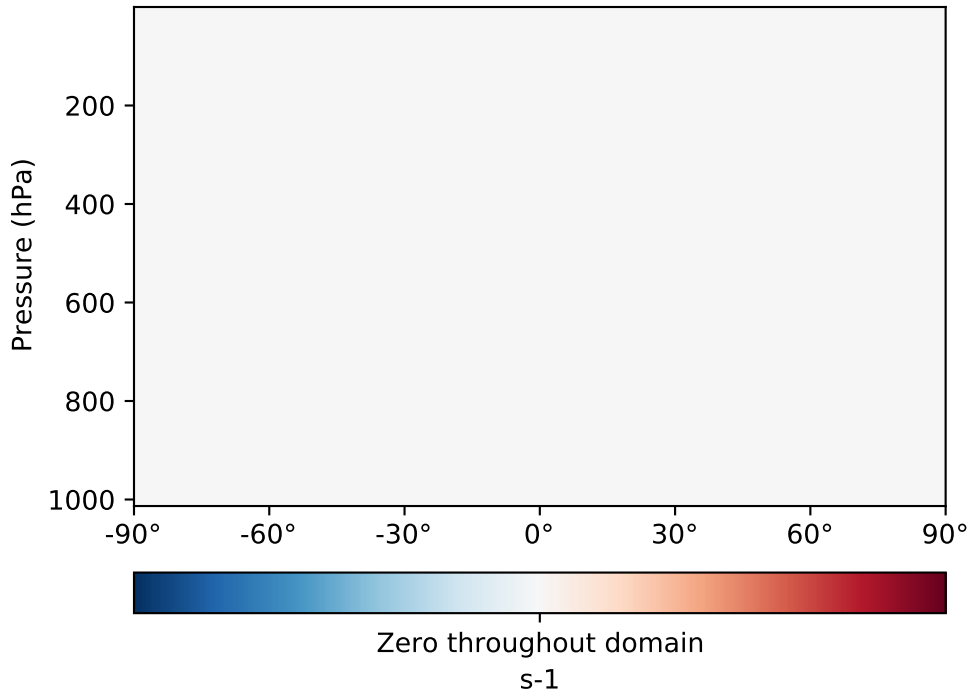
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



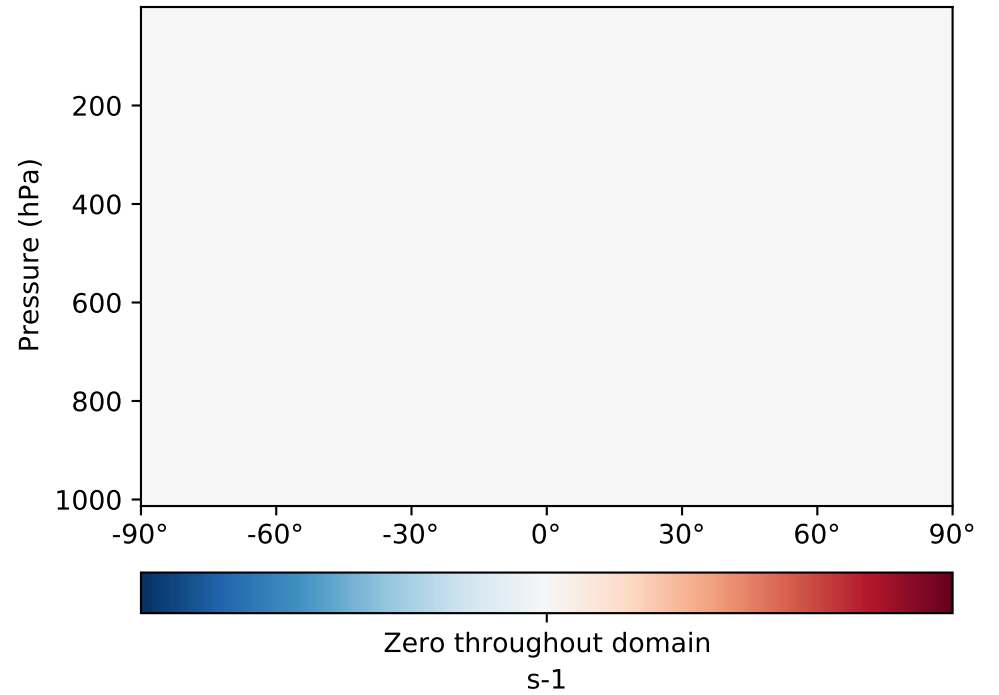
GCC\_13.0.0 (Dev)  
4.0x5.0



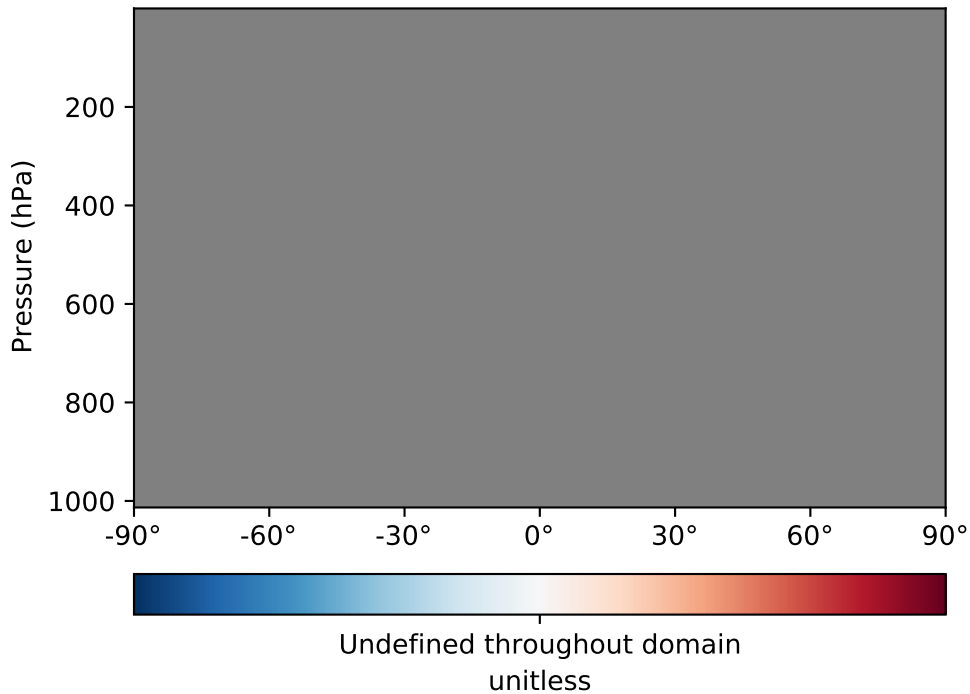
Difference  
Dev - Ref, Dynamic Range



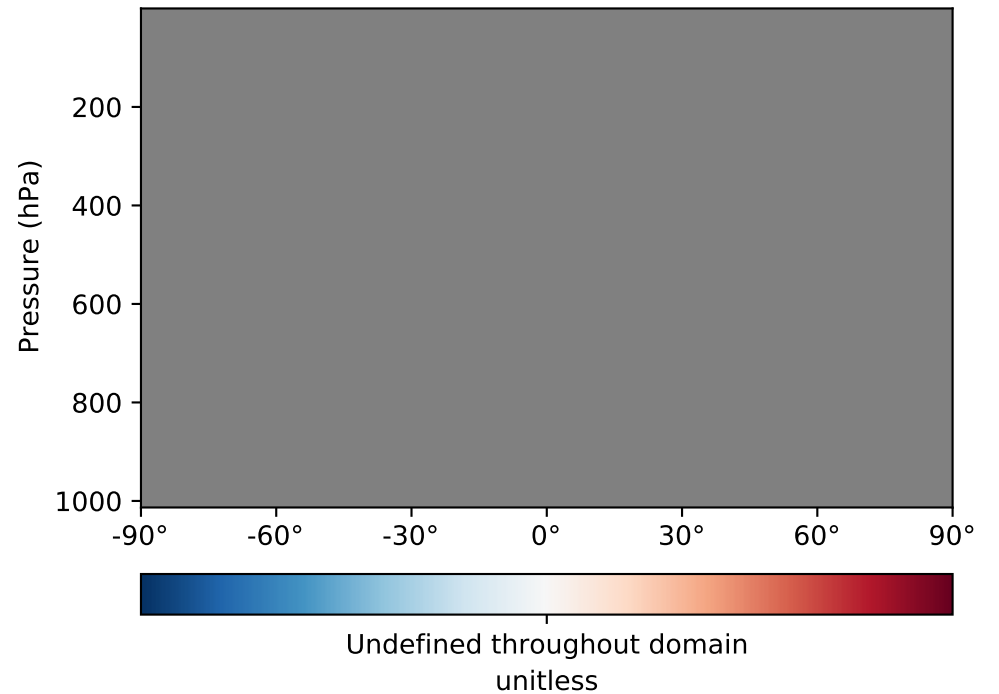
Difference  
Dev - Ref, Restricted Range [5%,95%]



Ratio  
Dev/Ref, Dynamic Range

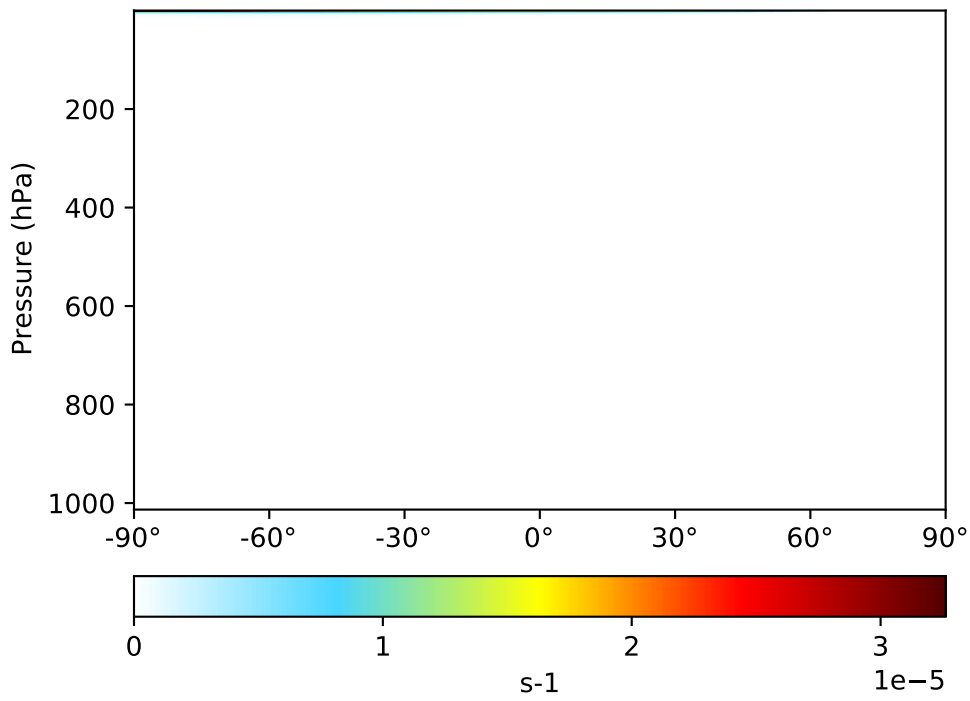


Ratio  
Dev/Ref, Fixed Range

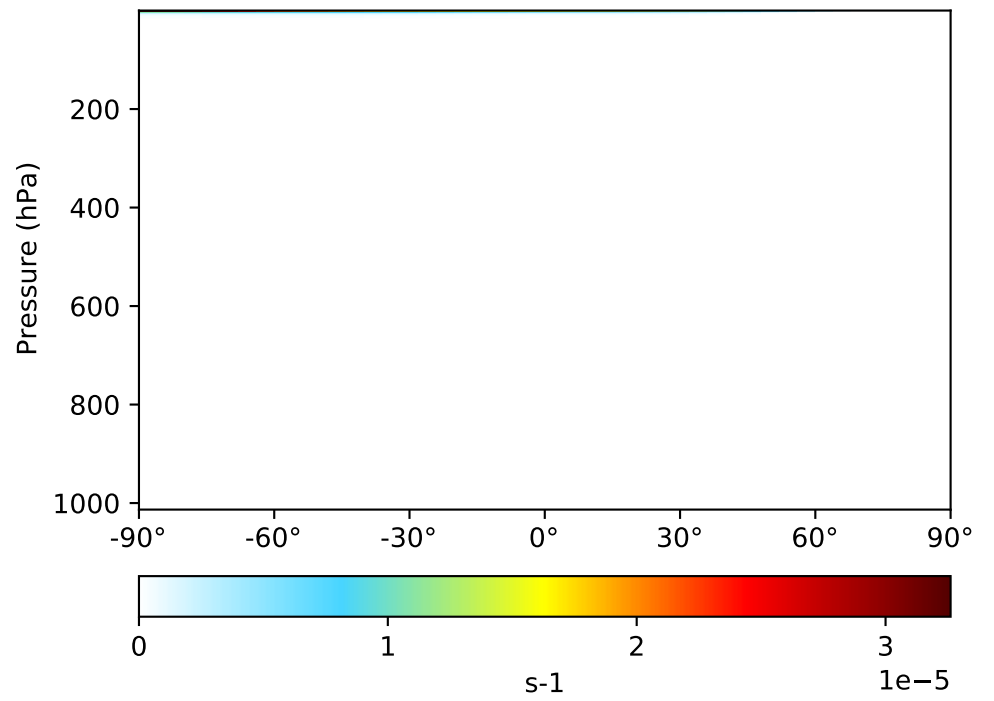


# Jval\_OCS, Zonal Mean (Jan2019)

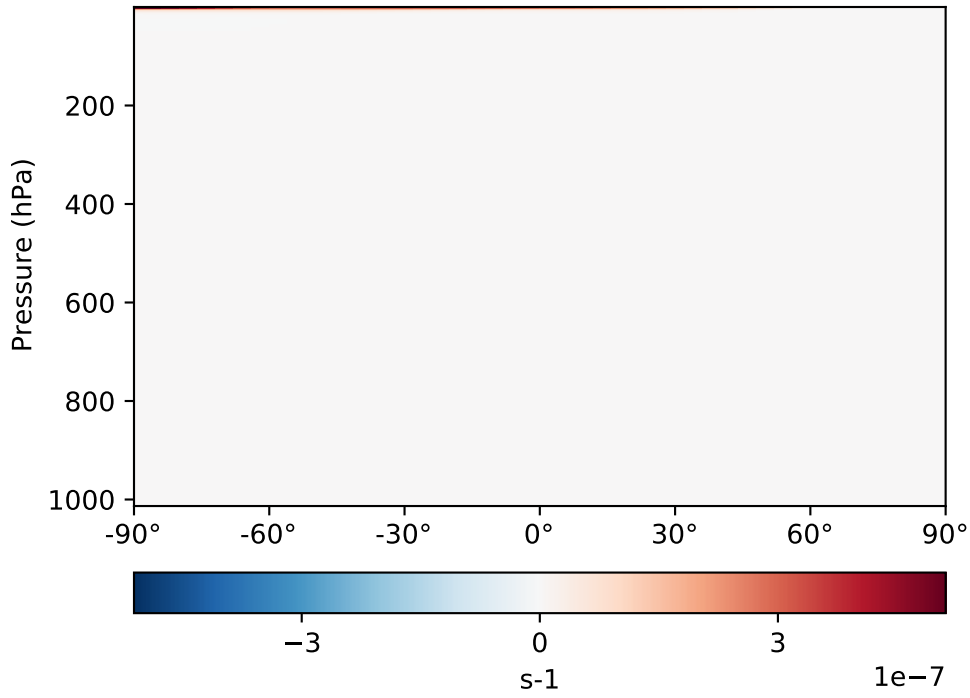
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



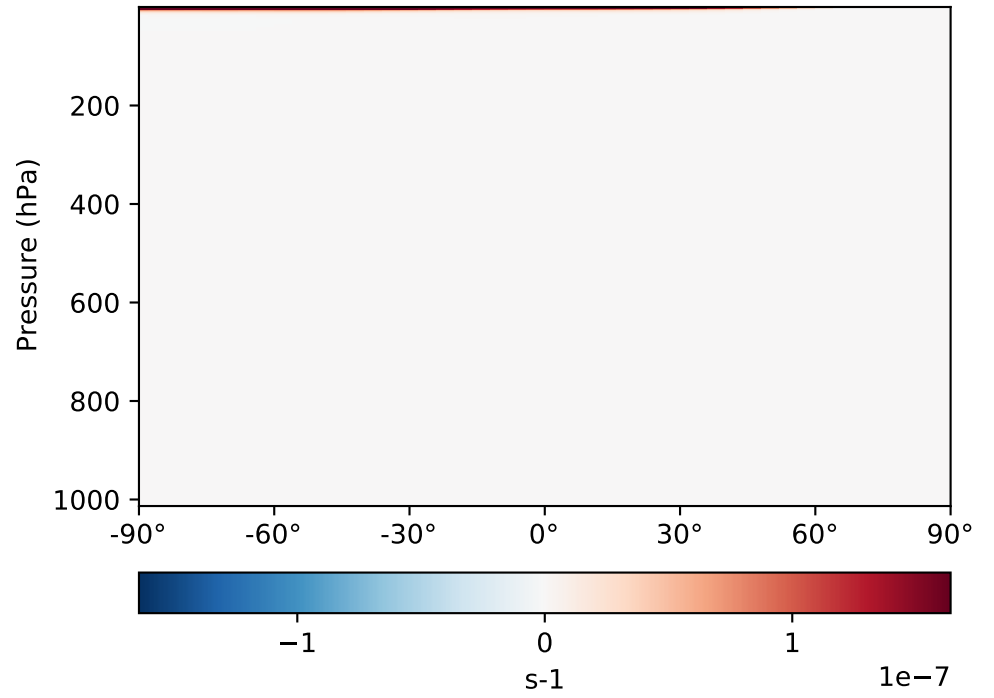
GCC\_13.0.0 (Dev)  
4.0x5.0



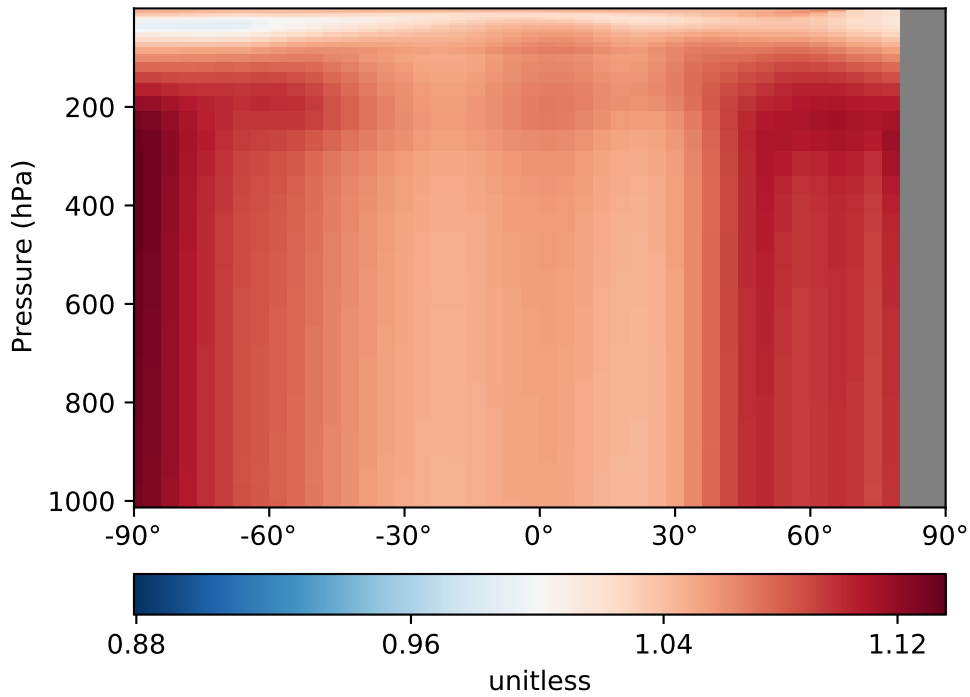
Difference  
Dev - Ref, Dynamic Range



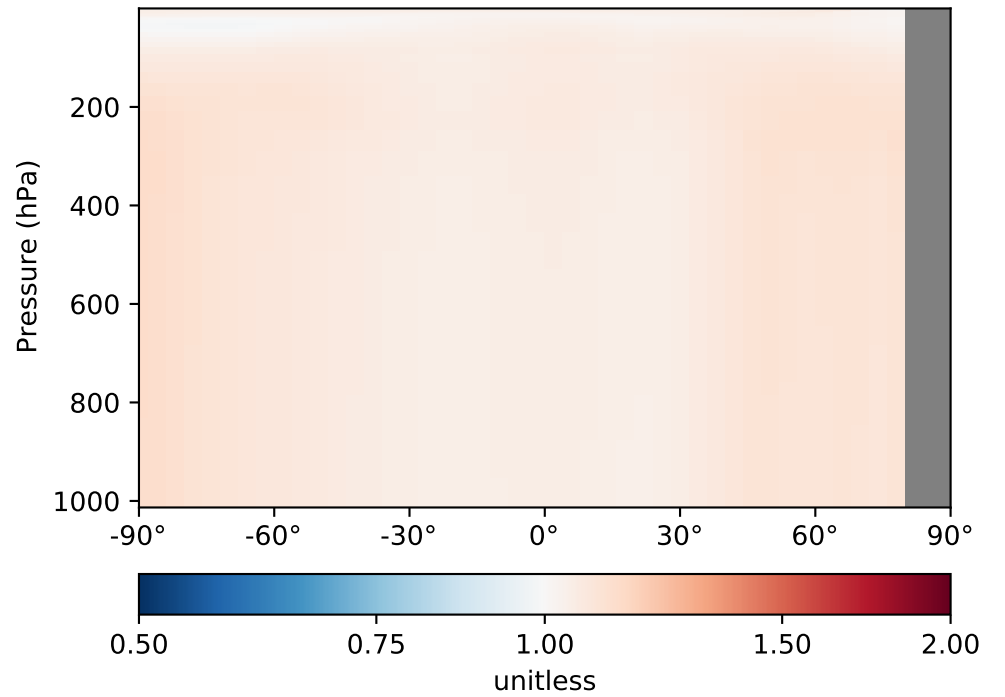
Difference  
Dev - Ref, Restricted Range [5%,95%]



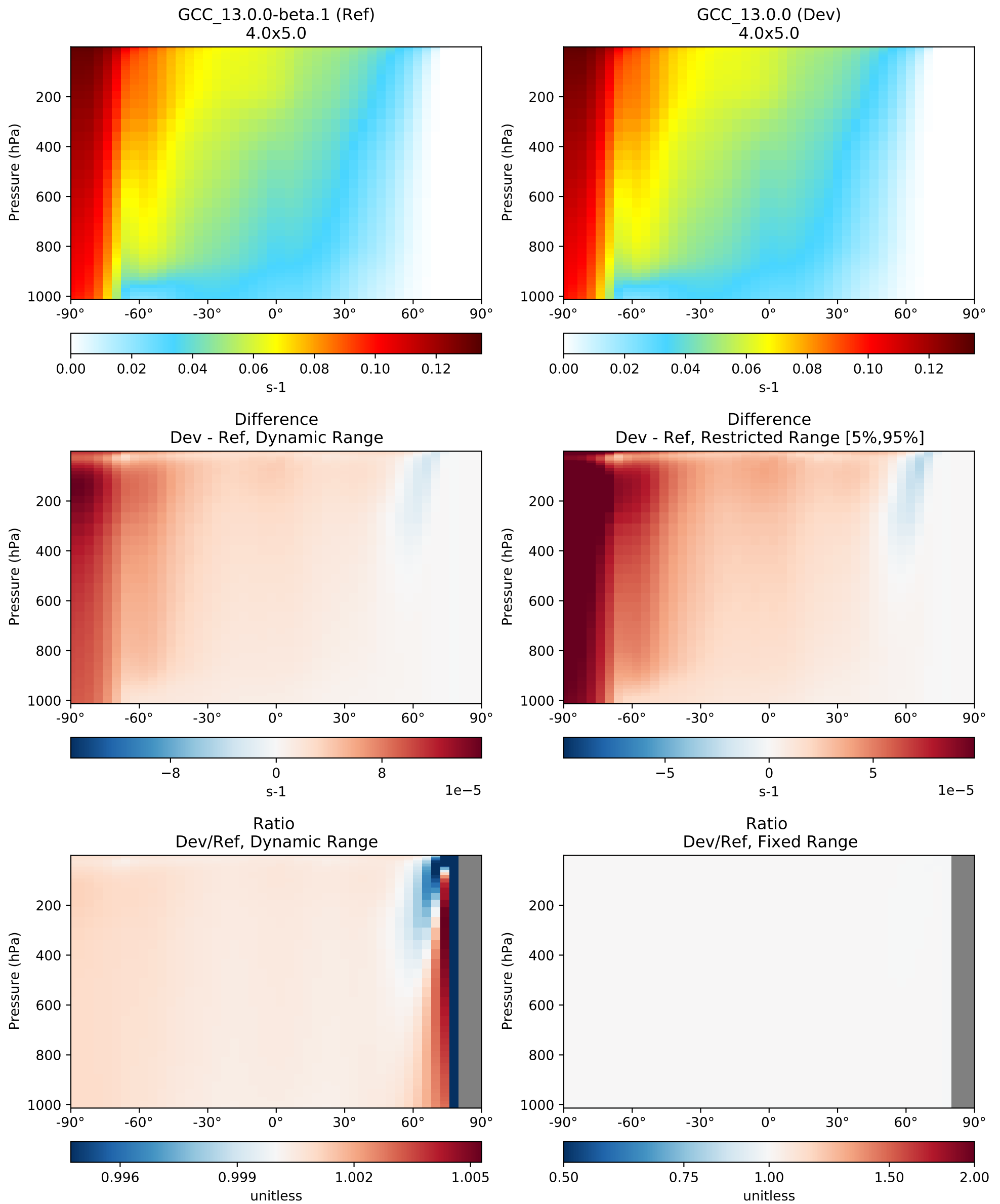
Ratio  
Dev/Ref, Dynamic Range



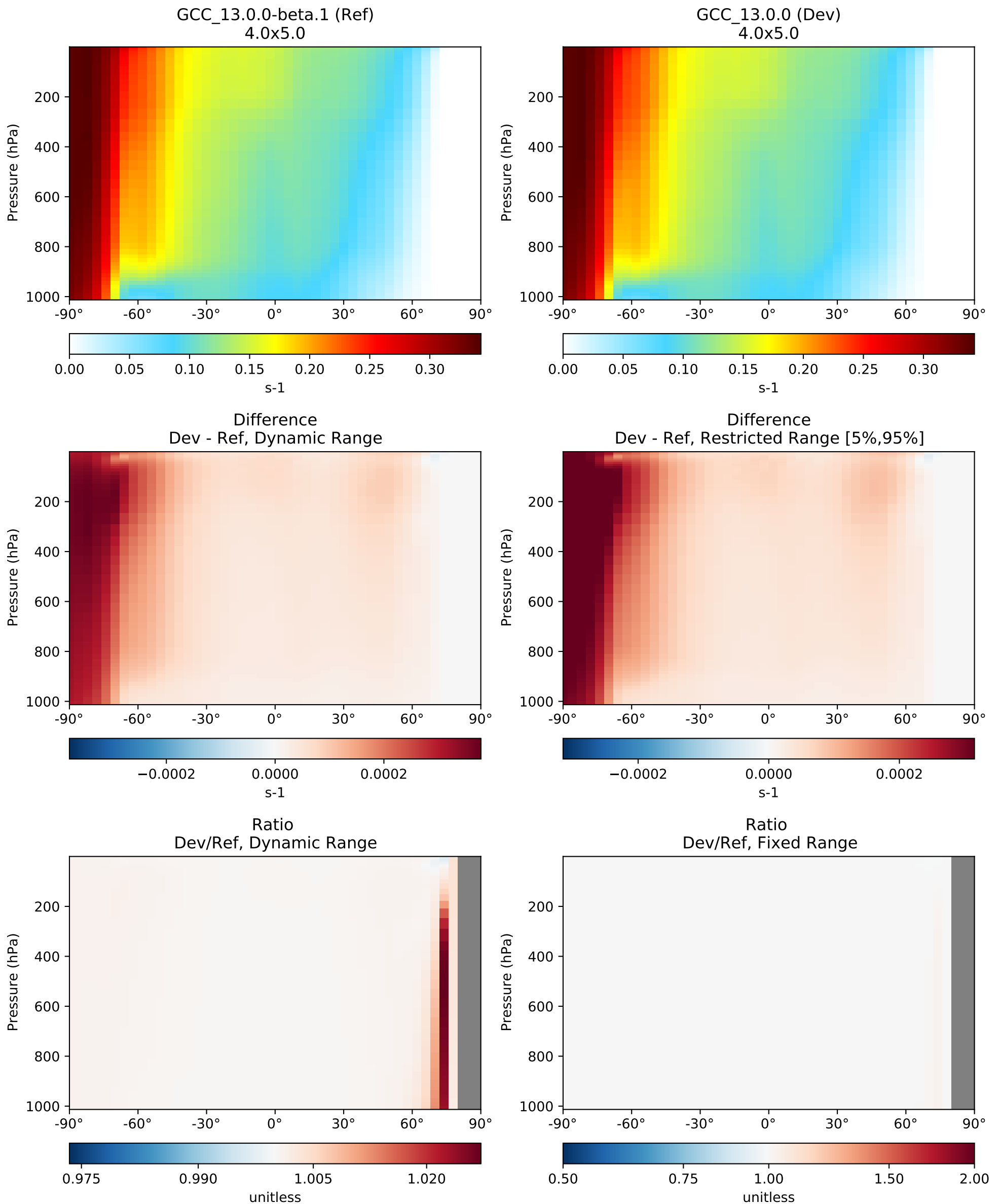
Ratio  
Dev/Ref, Fixed Range



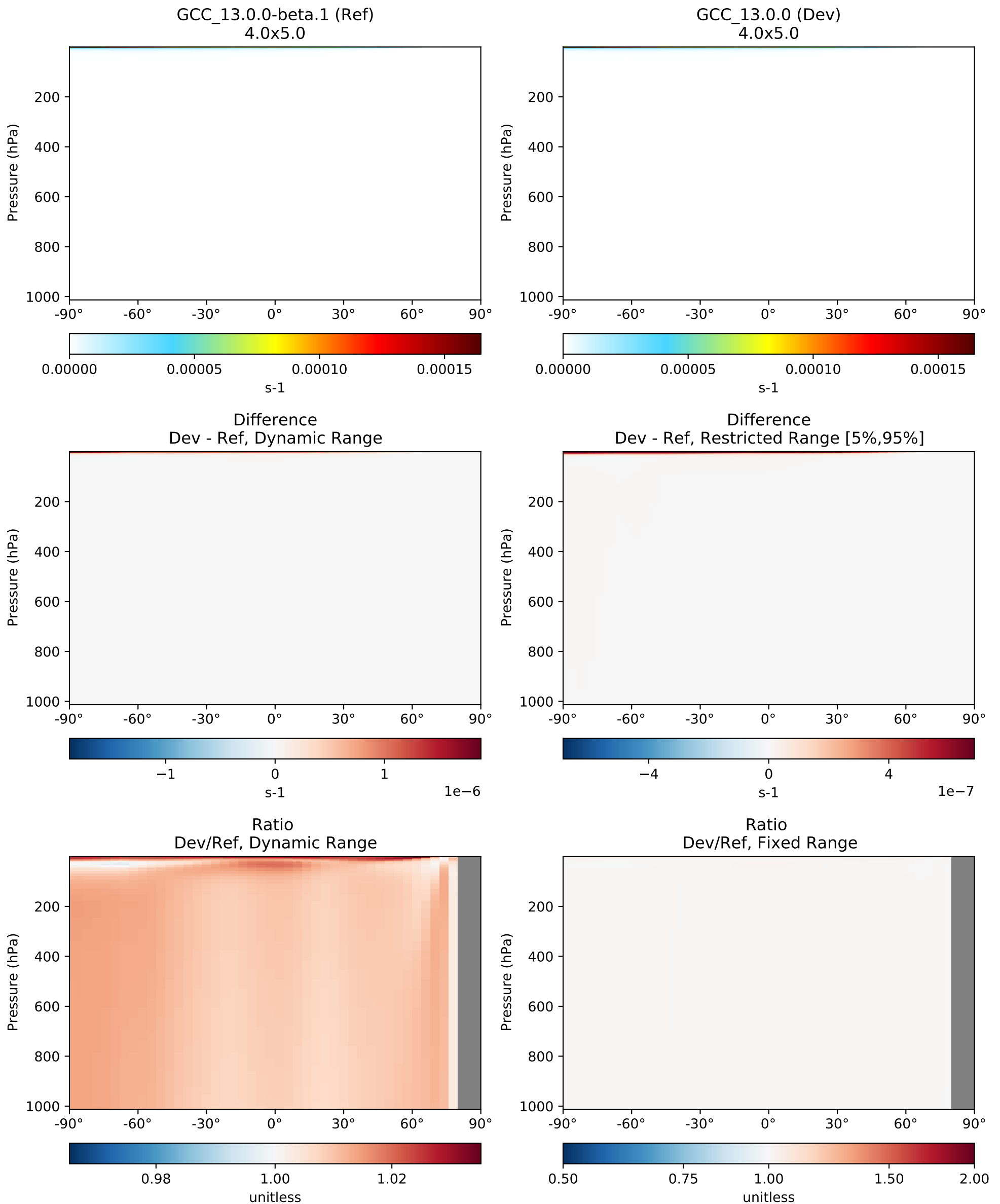
# Jval\_OClO, Zonal Mean (Jan2019)



# Jval\_OIO, Zonal Mean (Jan2019)



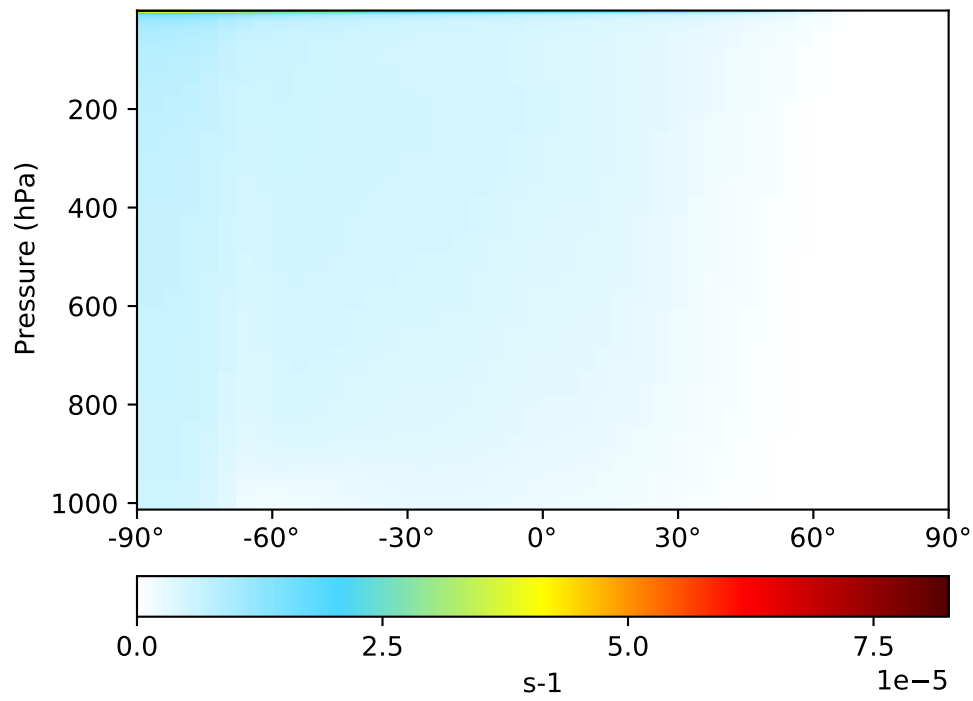
# Jval\_PAN, Zonal Mean (Jan2019)



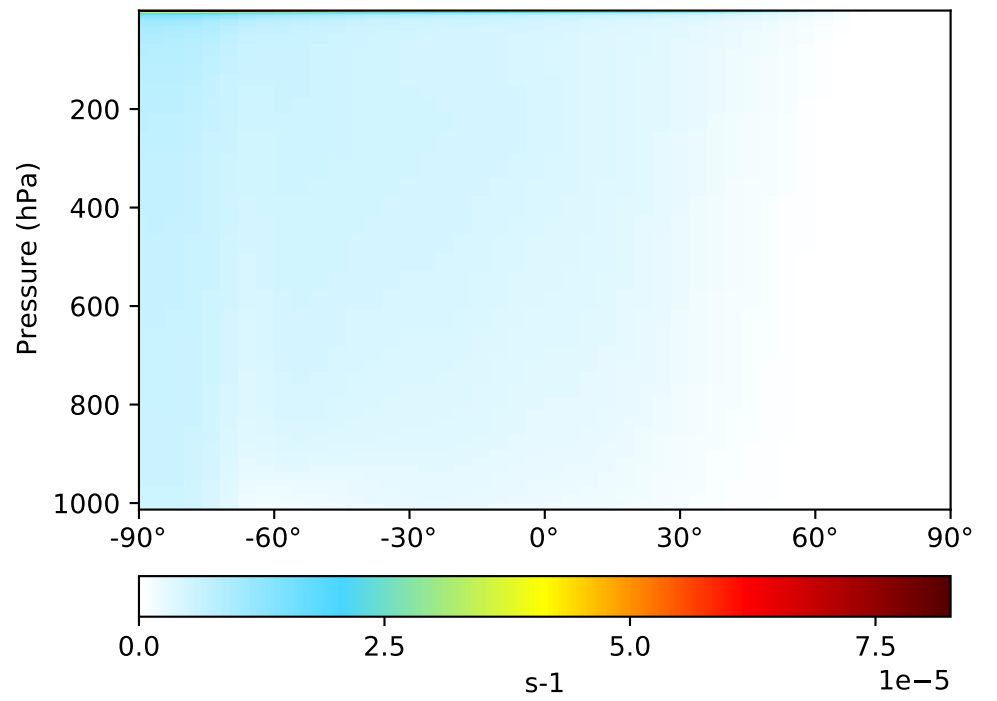


# Jval\_PIP, Zonal Mean (Jan2019)

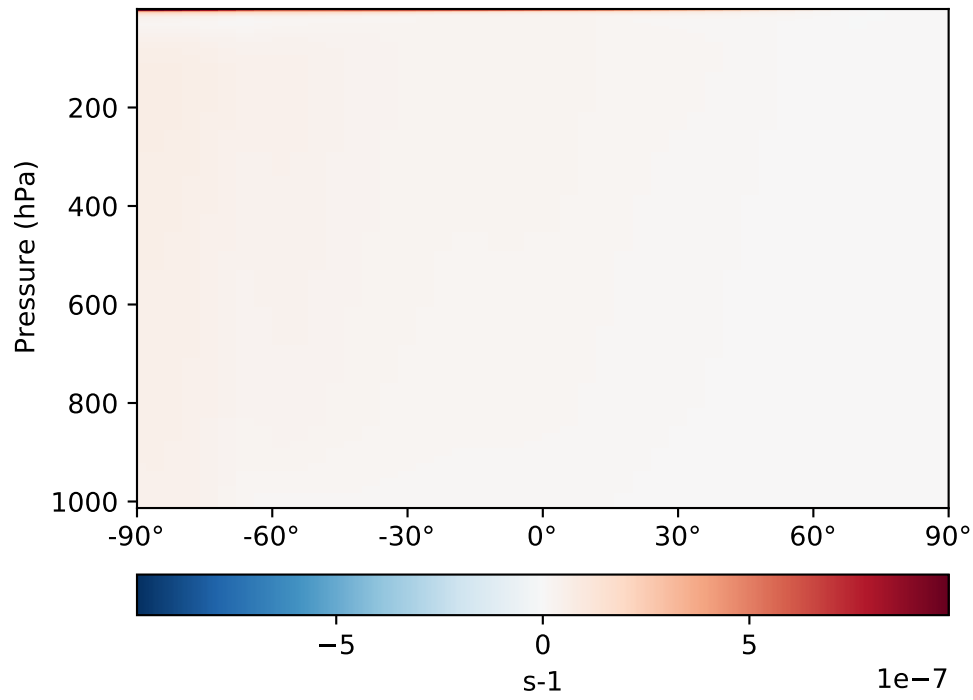
GCC\_13.0.0-beta.1 (Ref)  
4.0x5.0



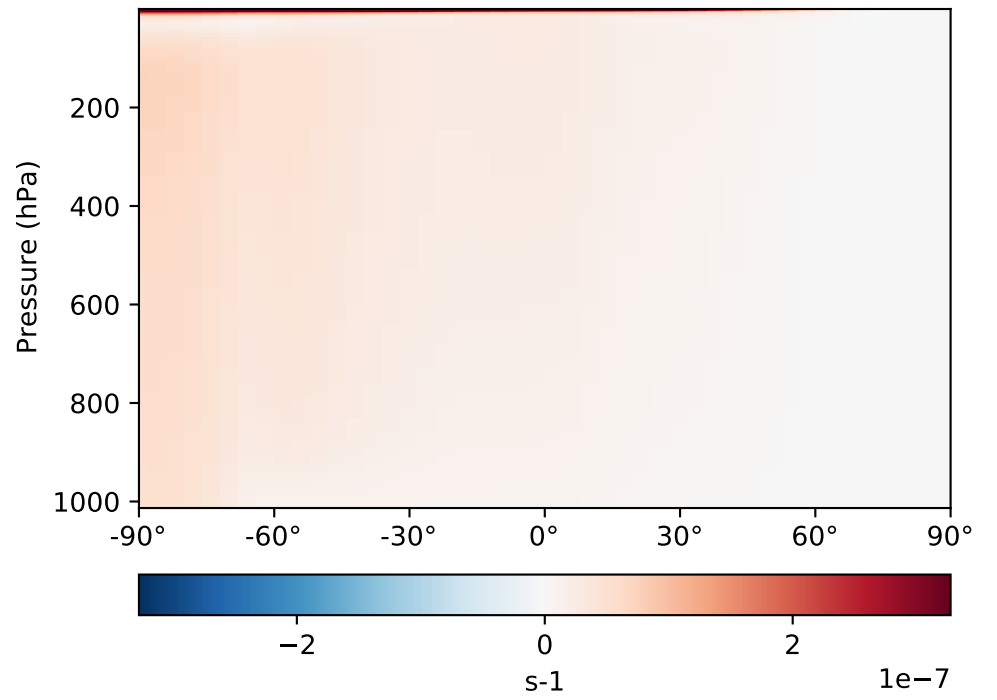
GCC\_13.0.0 (Dev)  
4.0x5.0



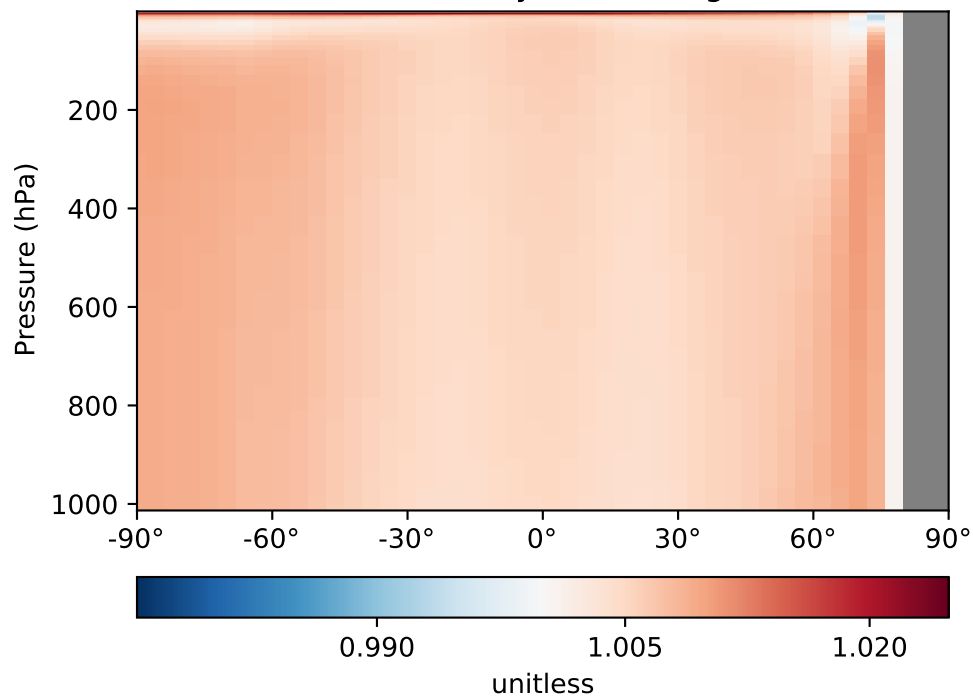
Difference  
Dev - Ref, Dynamic Range



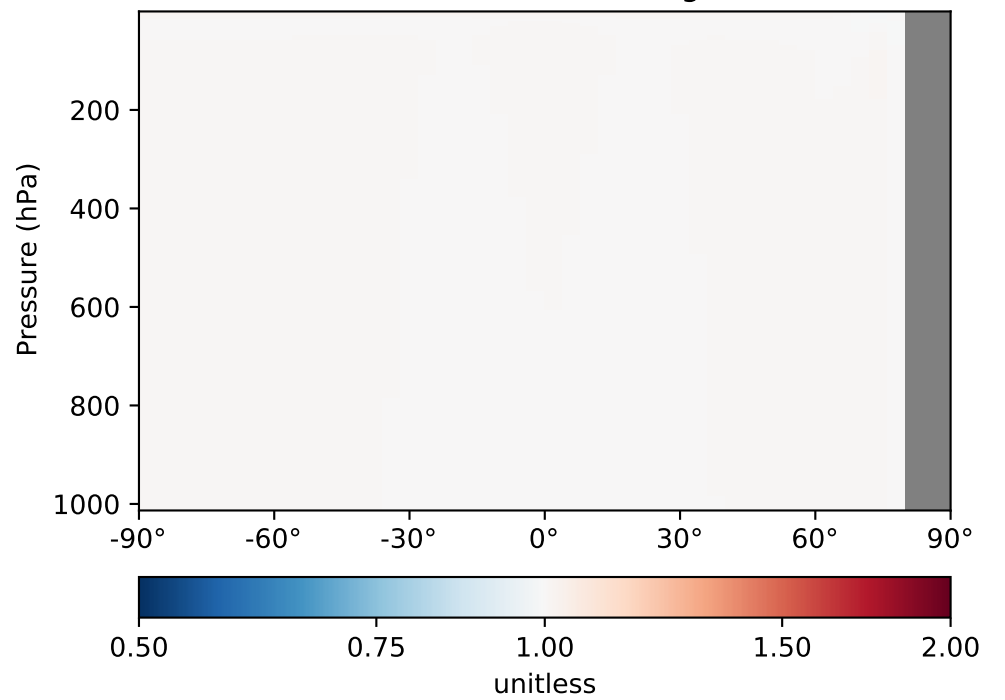
Difference  
Dev - Ref, Restricted Range [5%,95%]



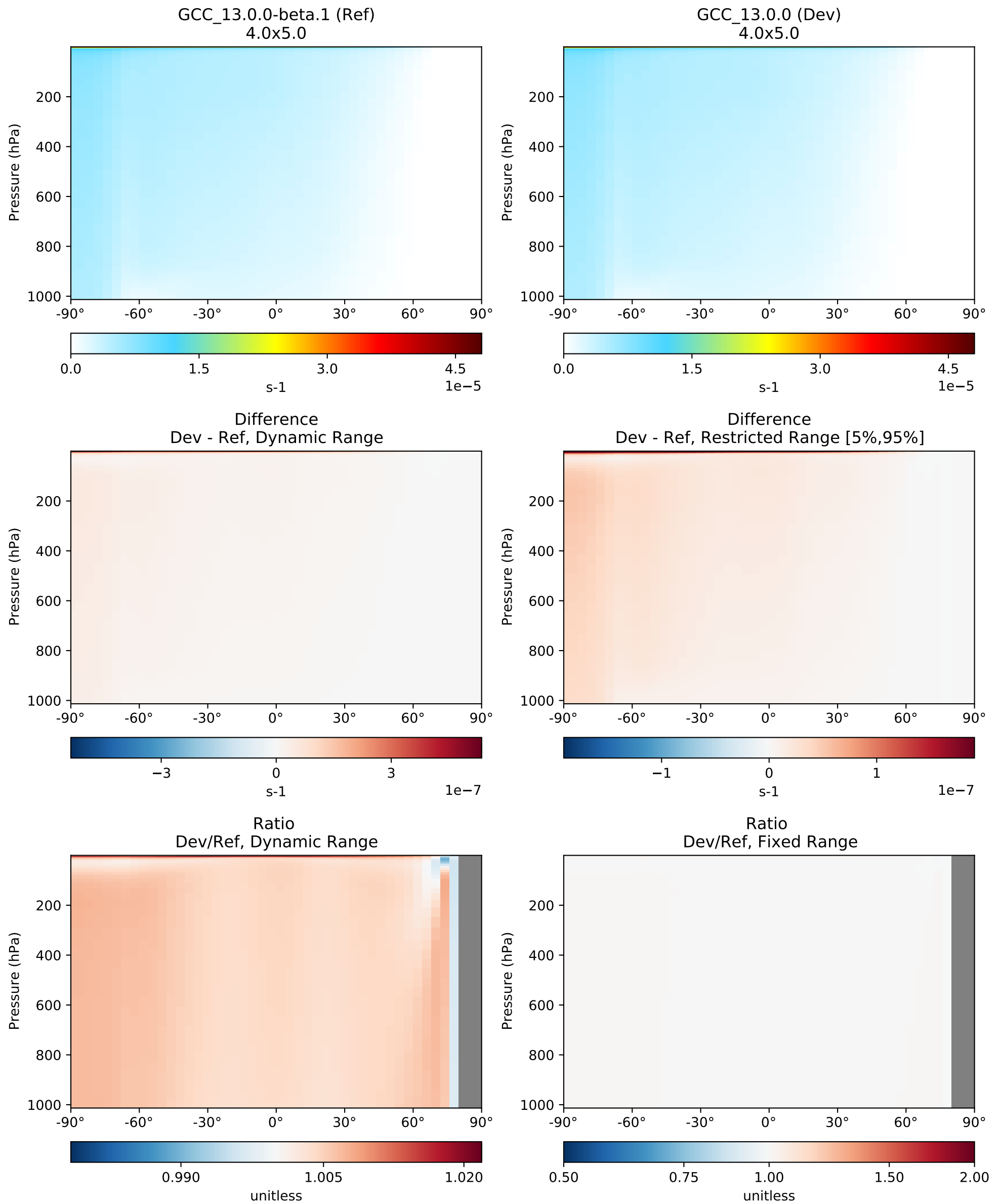
Ratio  
Dev/Ref, Dynamic Range



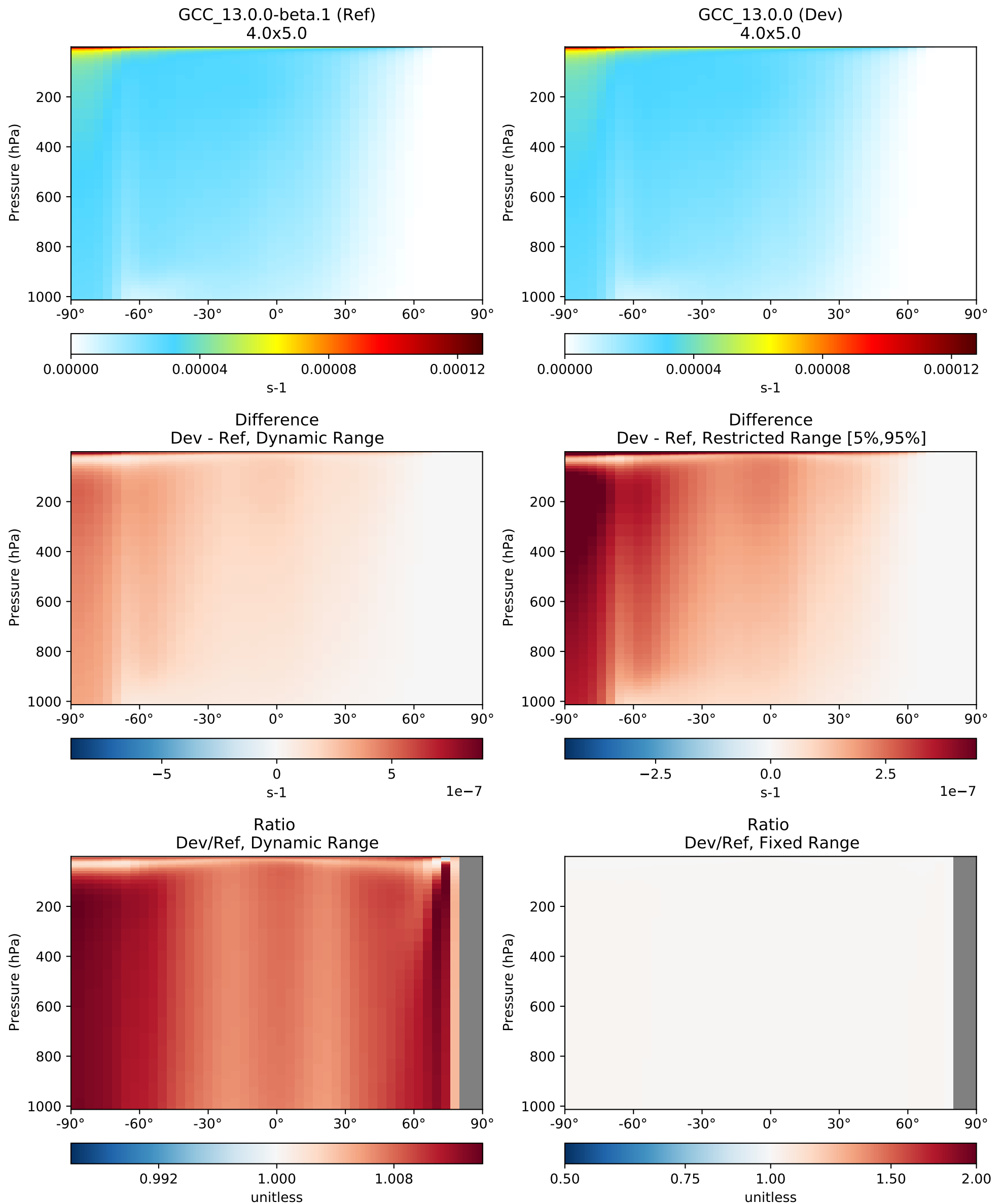
Ratio  
Dev/Ref, Fixed Range



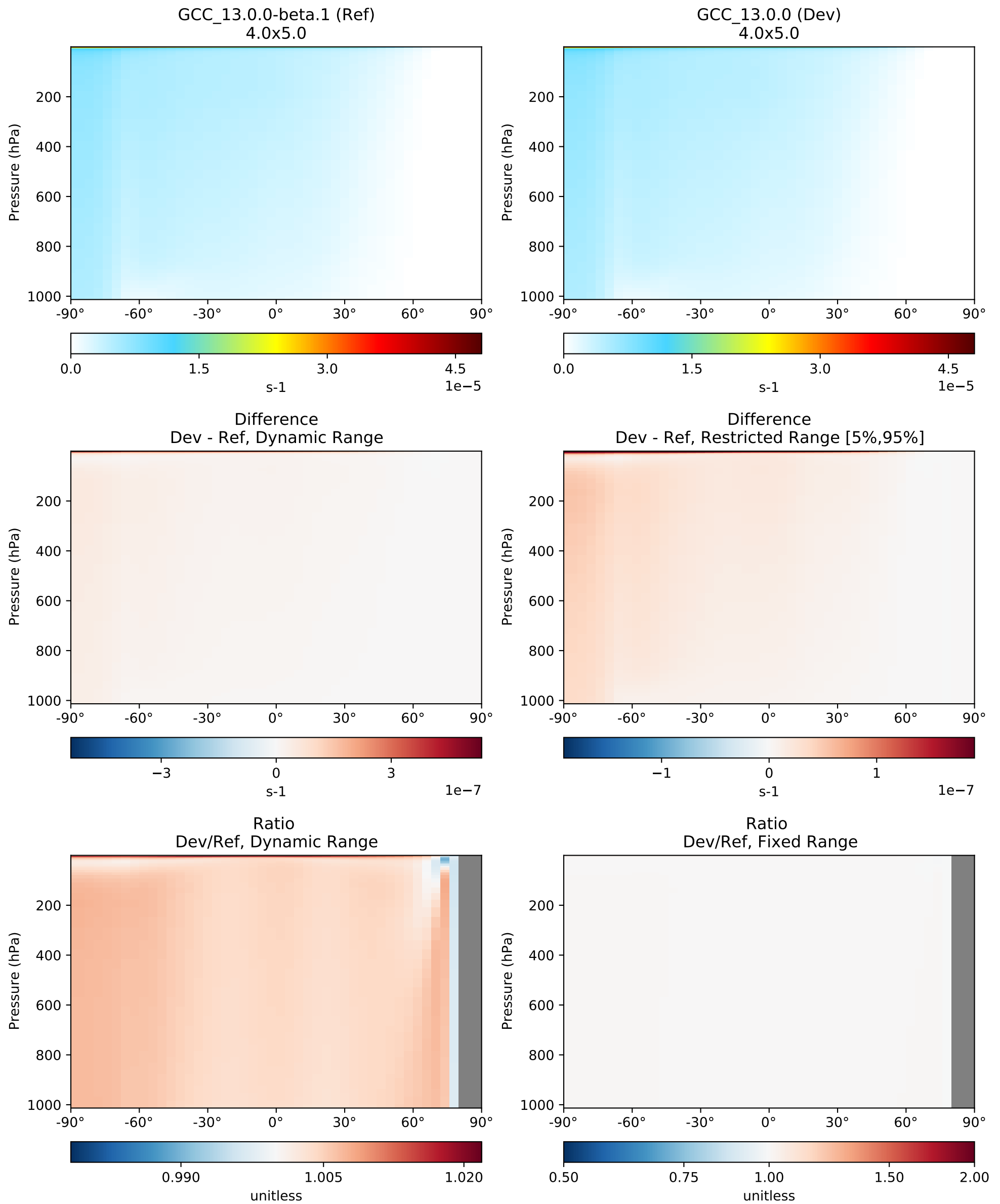
# Jval\_PP, Zonal Mean (Jan2019)



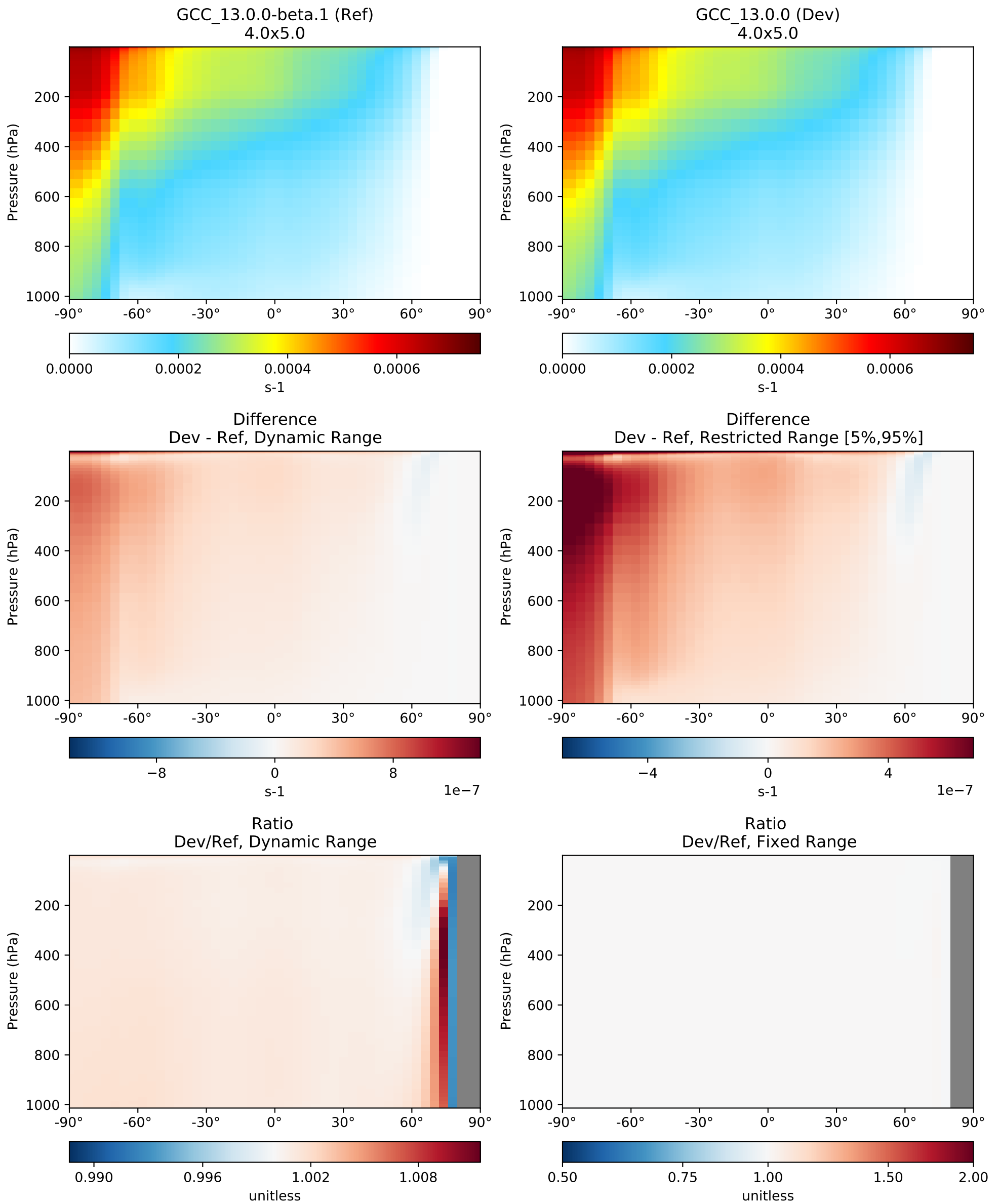
# Jval\_PROPNN, Zonal Mean (Jan2019)



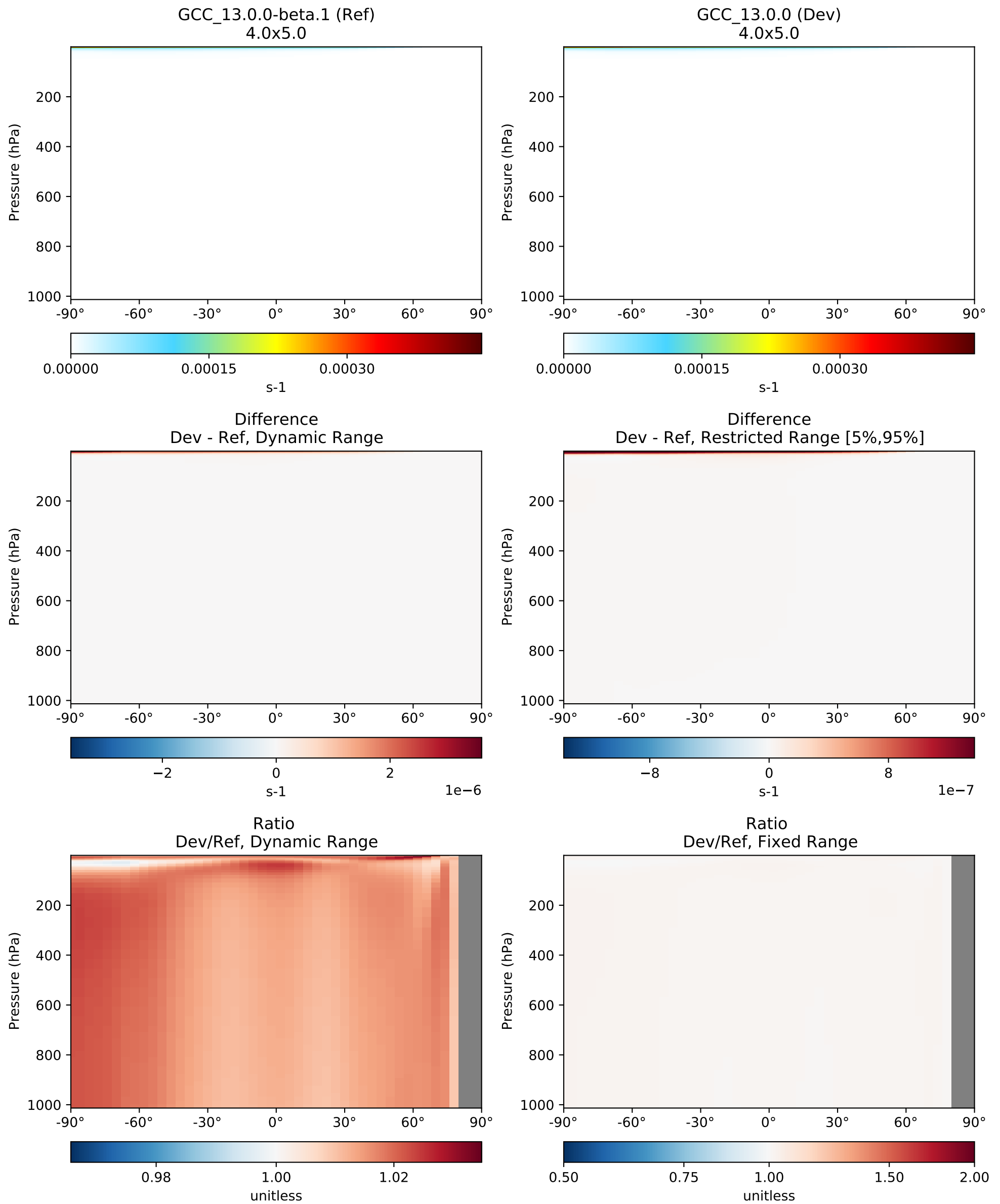
# Jval\_PRPN, Zonal Mean (Jan2019)



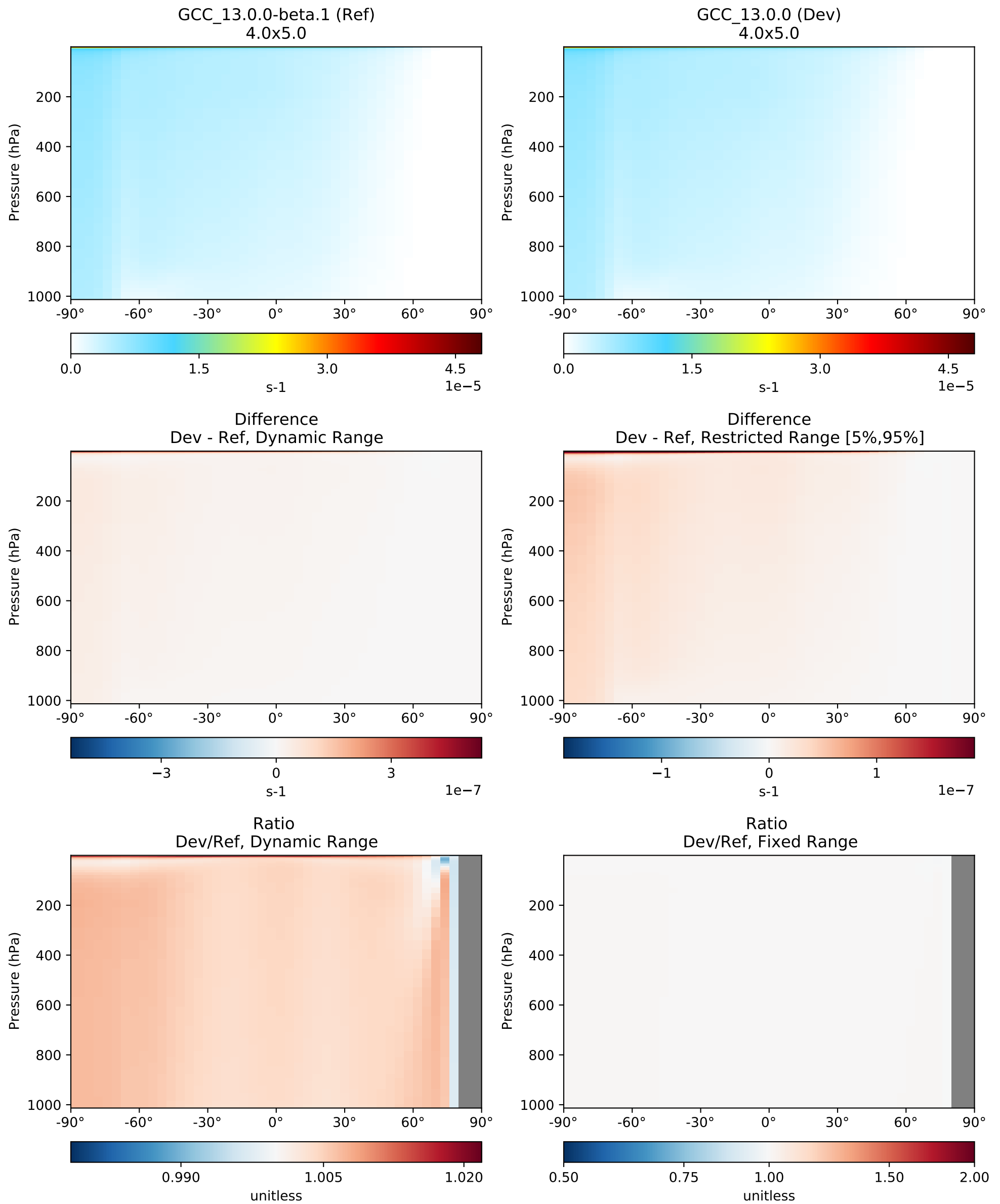
# Jval\_PYAC, Zonal Mean (Jan2019)



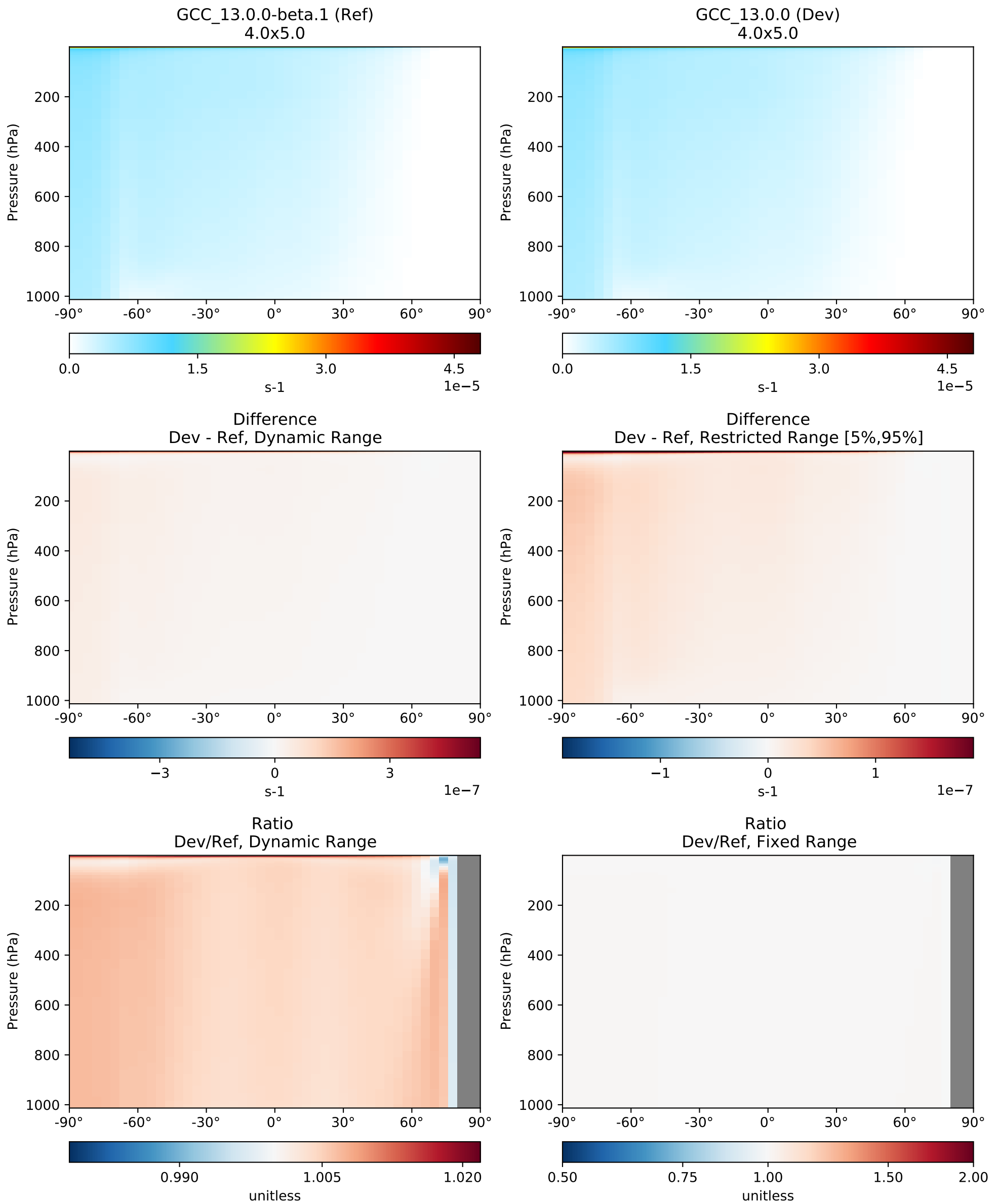
# Jval\_R4N2, Zonal Mean (Jan2019)



# Jval\_R4P, Zonal Mean (Jan2019)

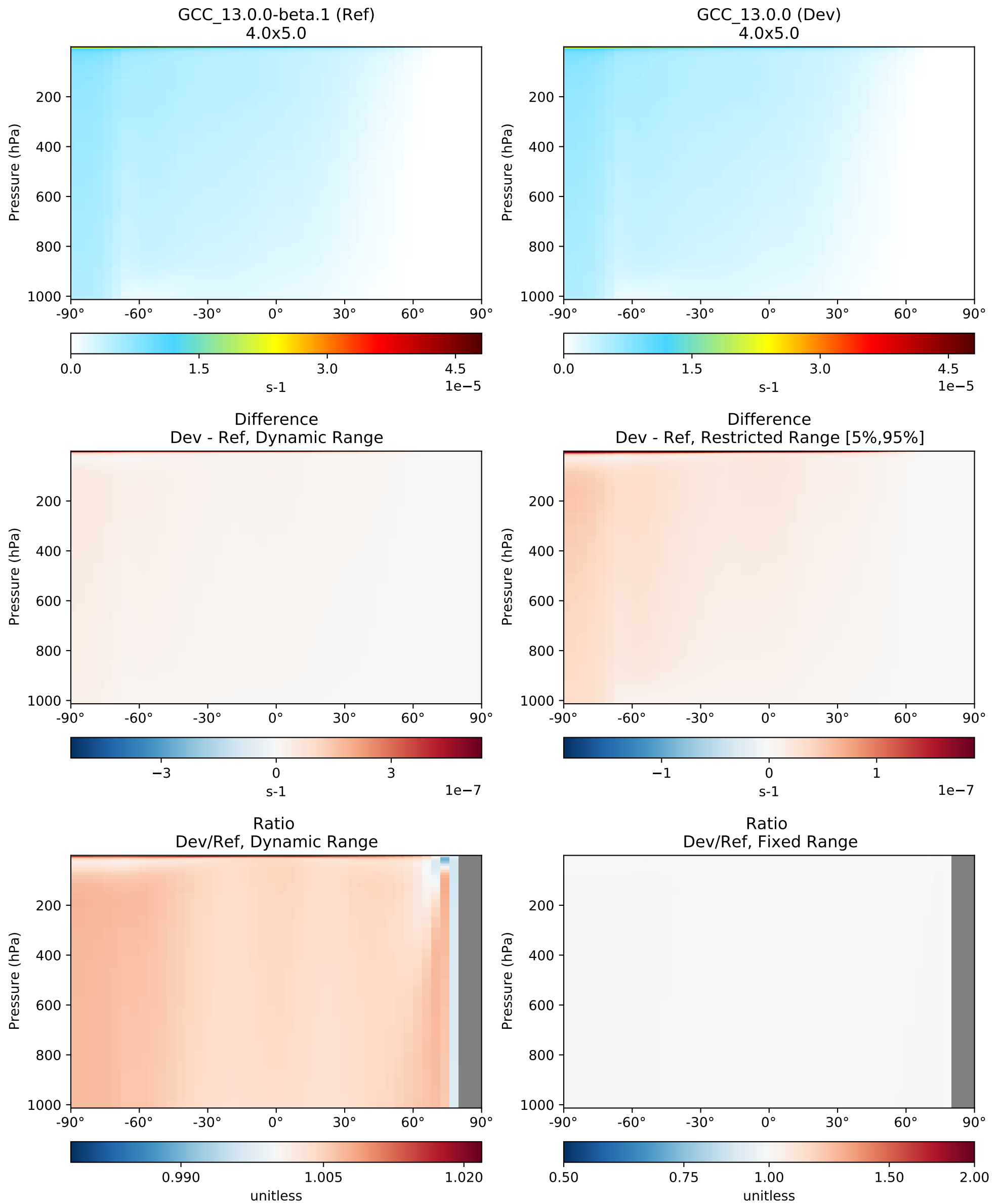


# Jval\_RA3P, Zonal Mean (Jan2019)

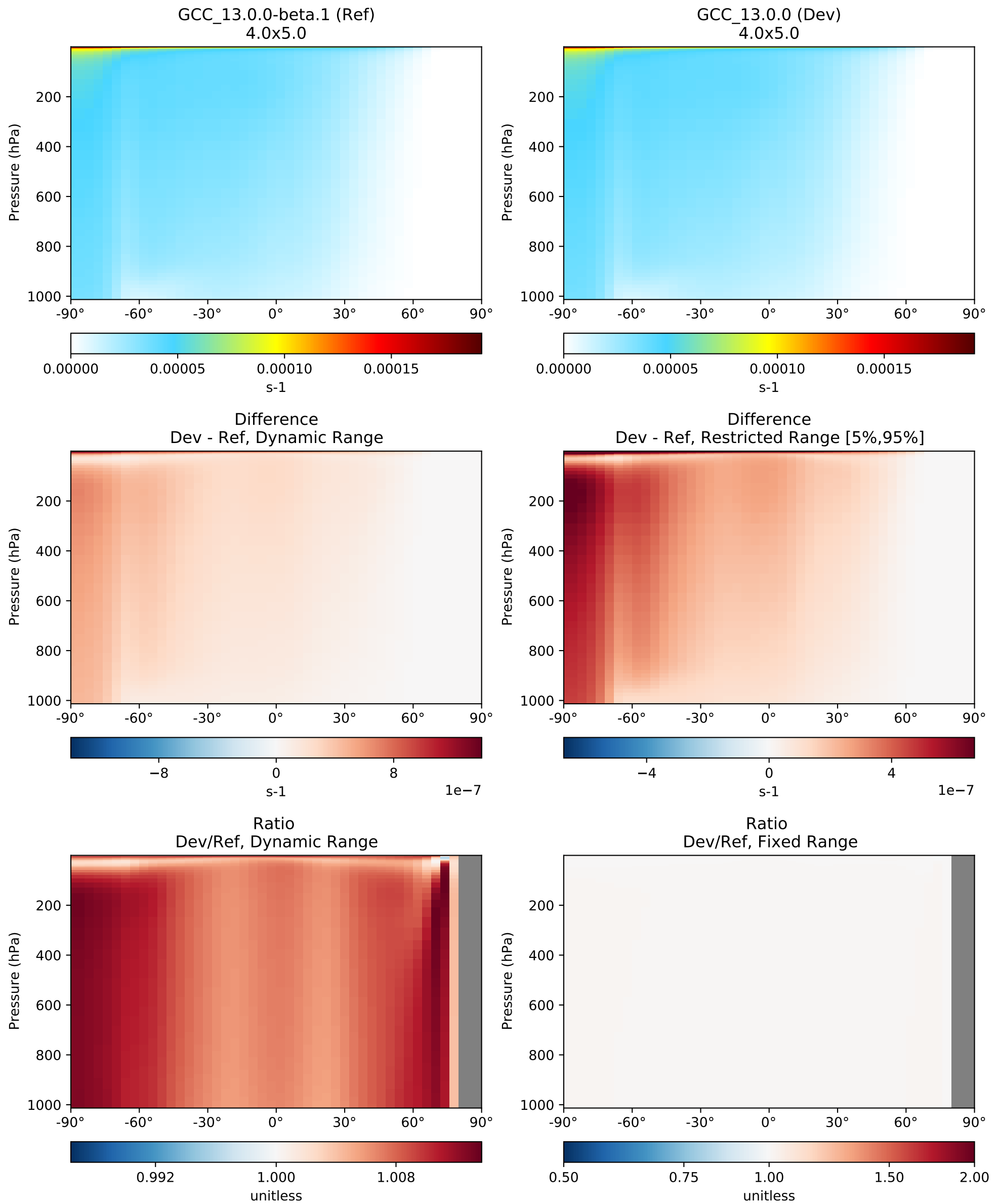




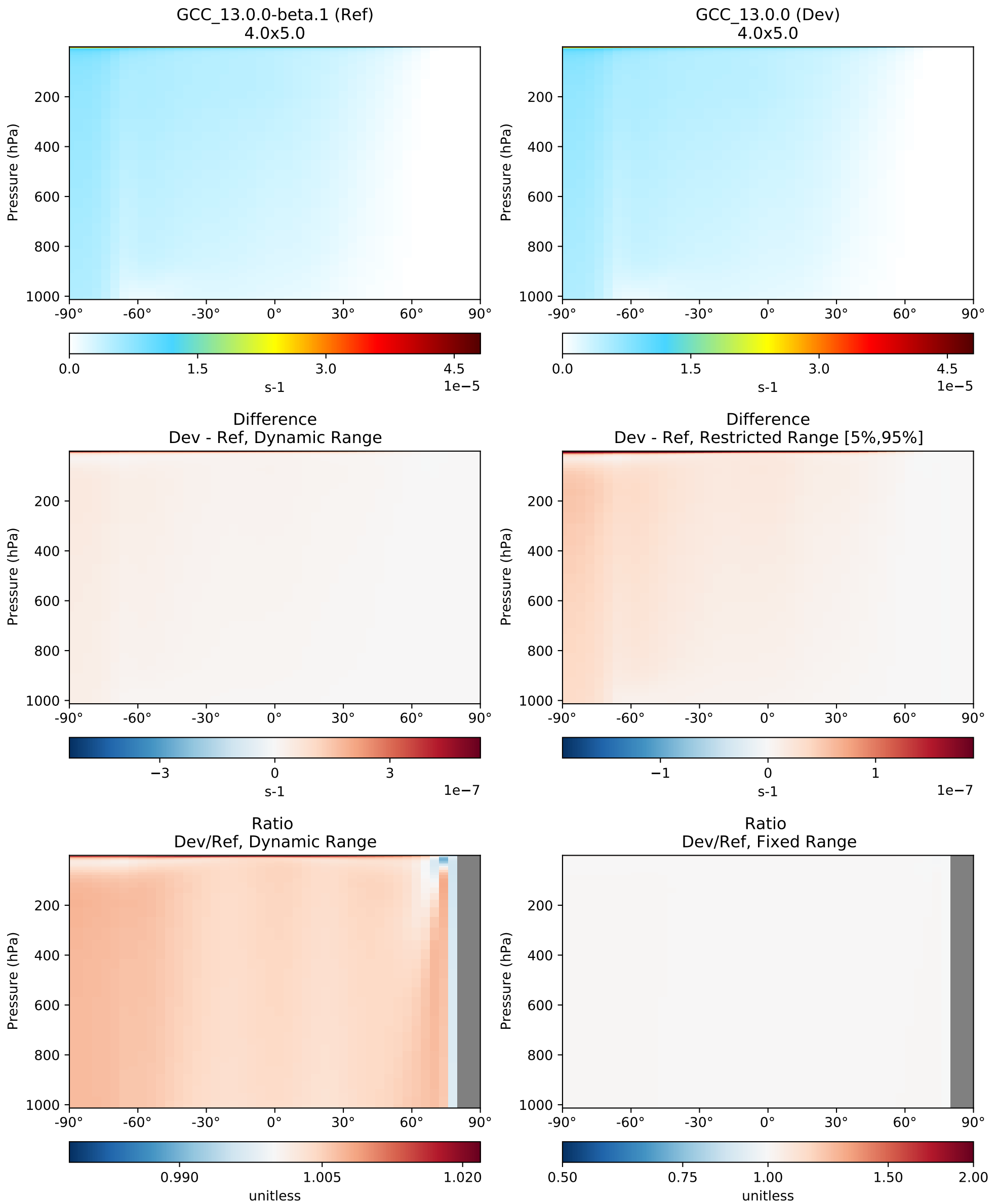
# Jval\_RB3P, Zonal Mean (Jan2019)



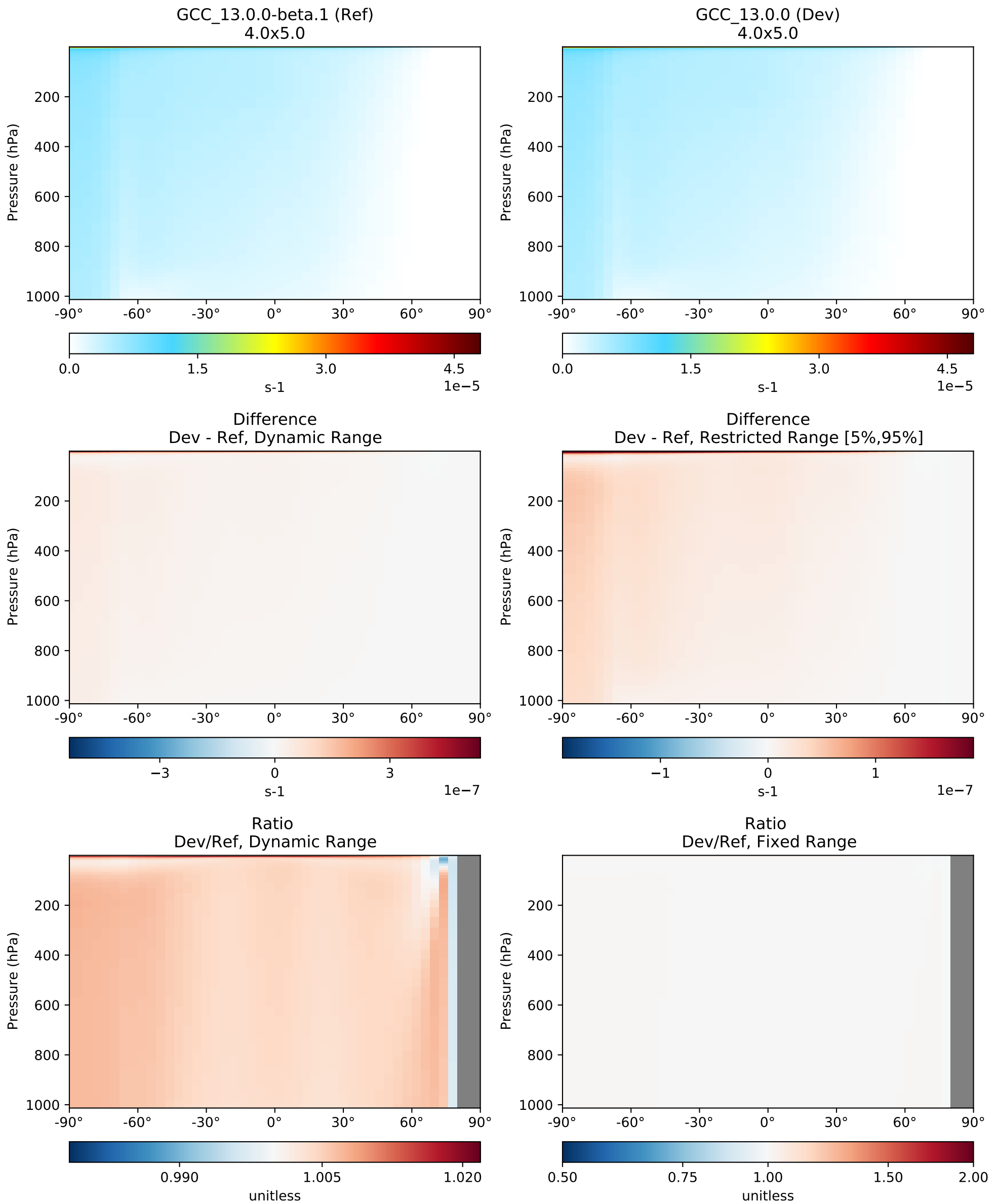
# Jval\_RCHO, Zonal Mean (Jan2019)



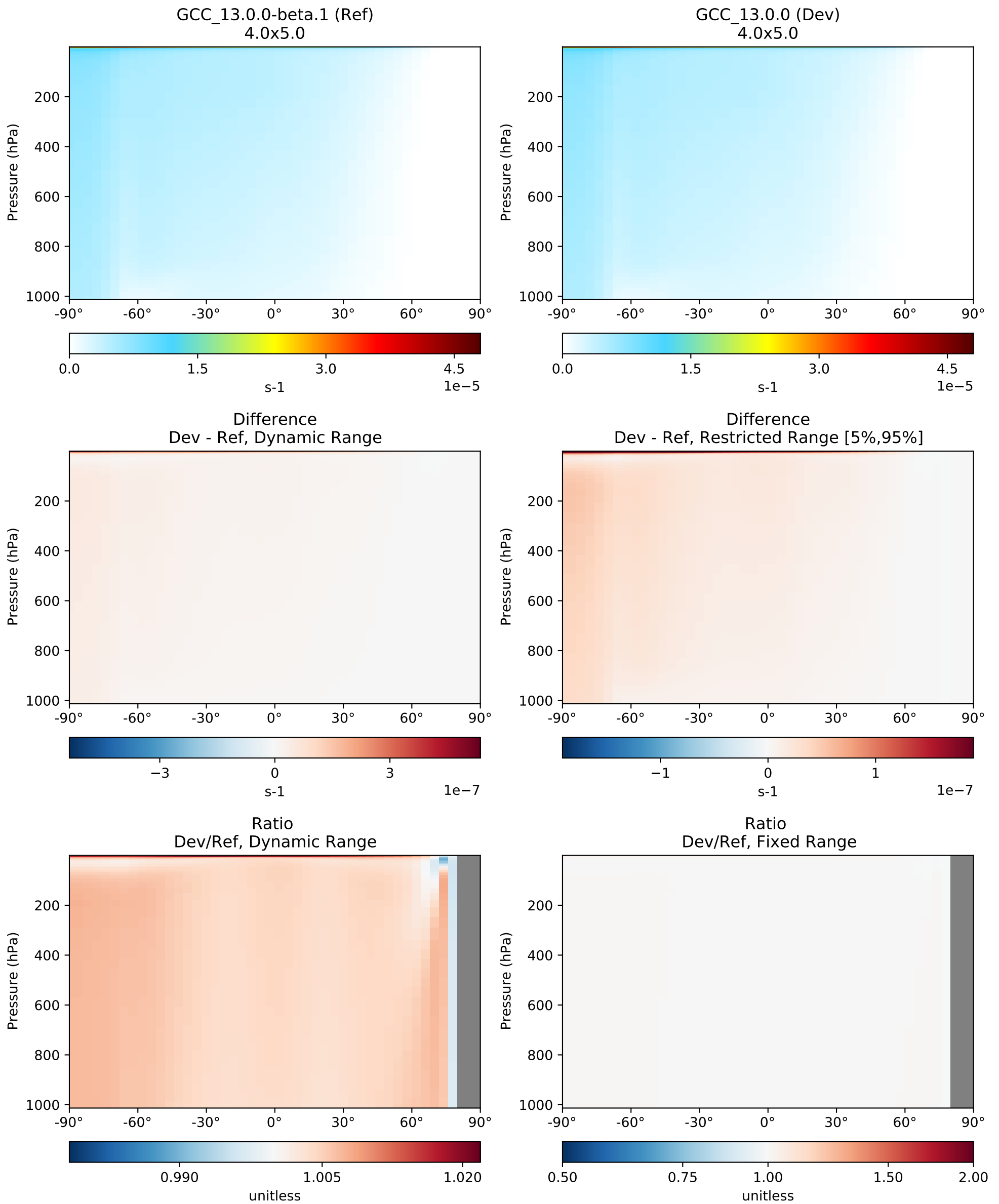
# Jval\_RIPA, Zonal Mean (Jan2019)



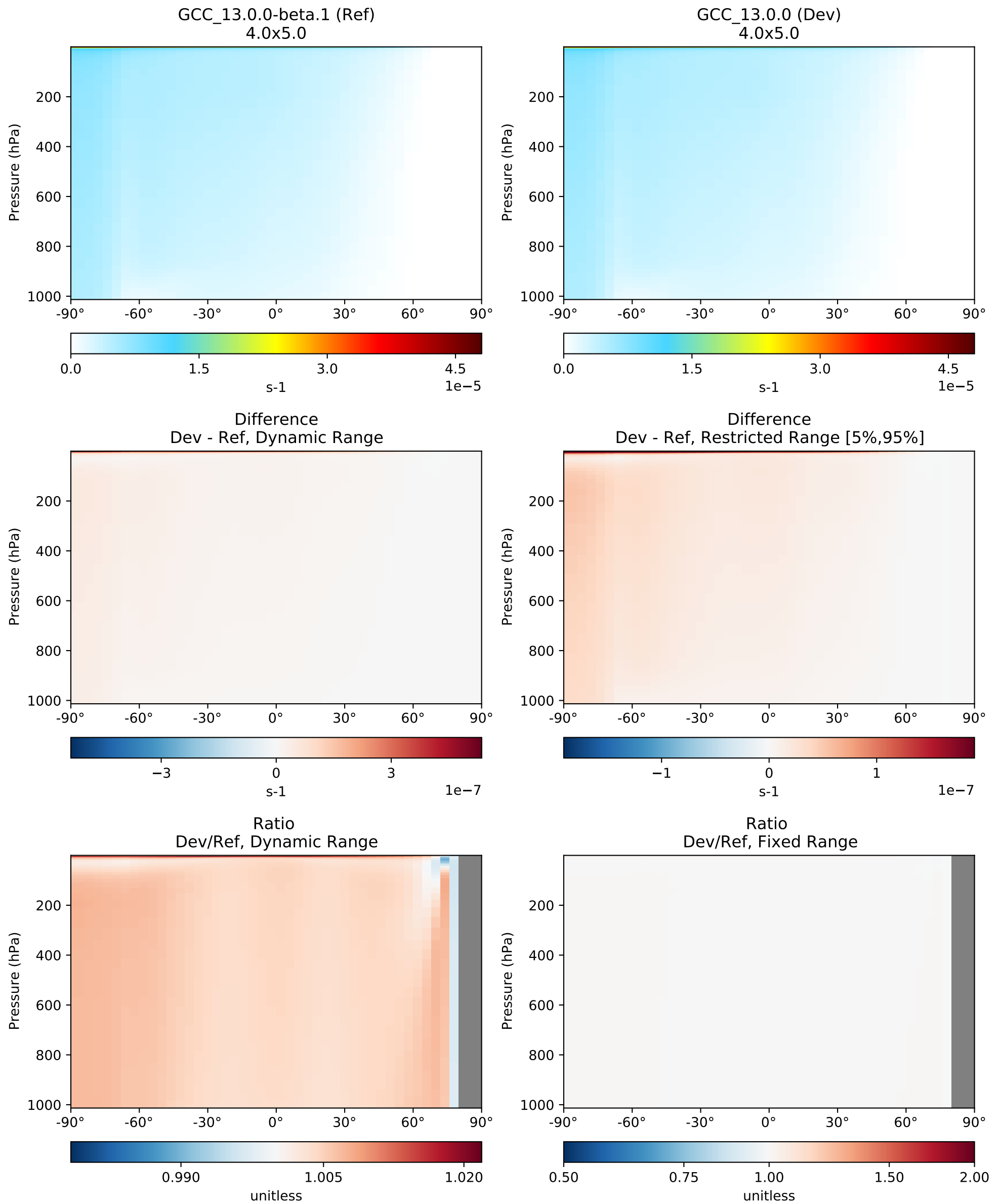
# Jval\_RIPB, Zonal Mean (Jan2019)



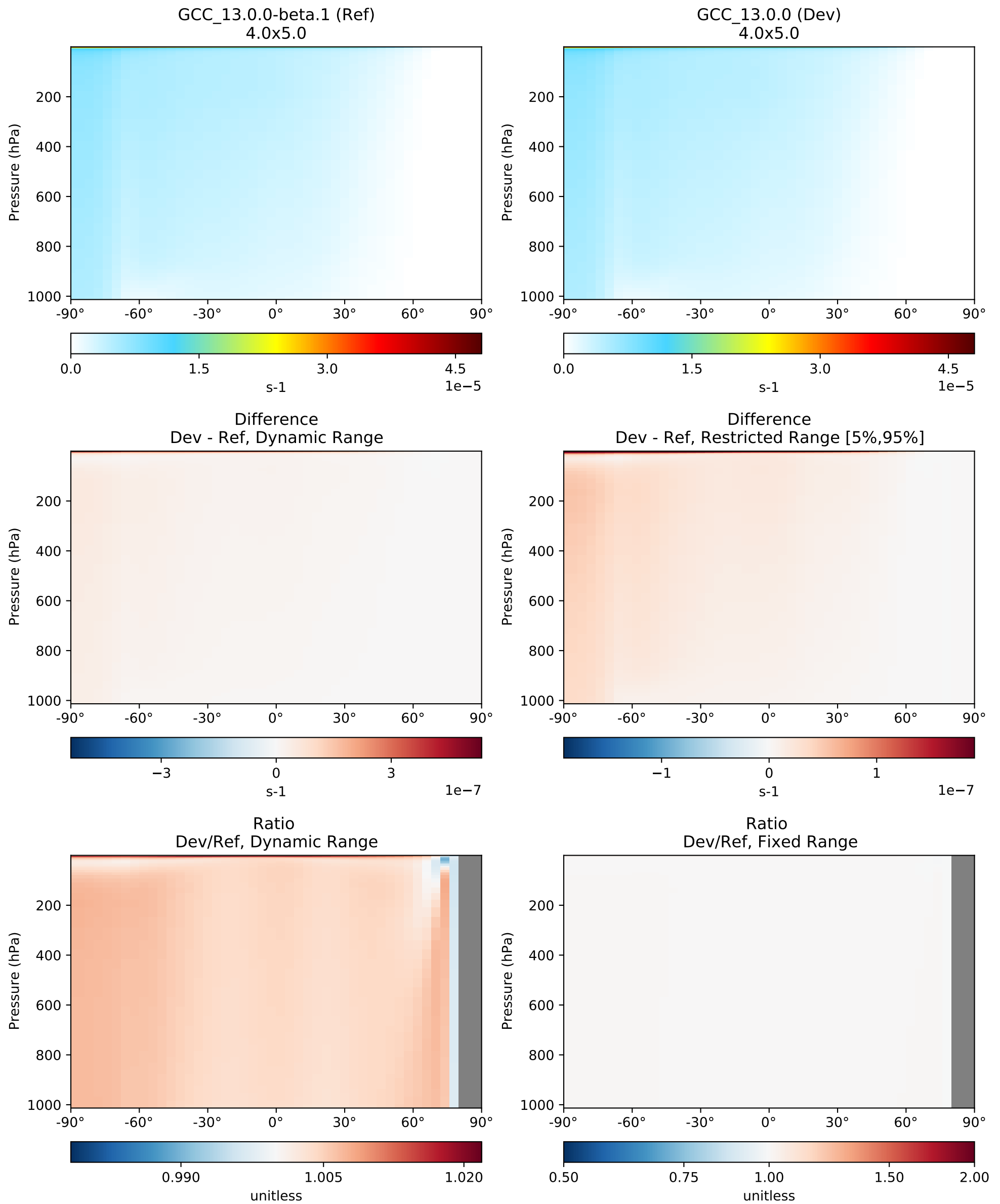
# Jval\_RIPC, Zonal Mean (Jan2019)



# Jval\_RIPD, Zonal Mean (Jan2019)



# Jval\_RP, Zonal Mean (Jan2019)



# Jval\_SO4, Zonal Mean (Jan2019)

