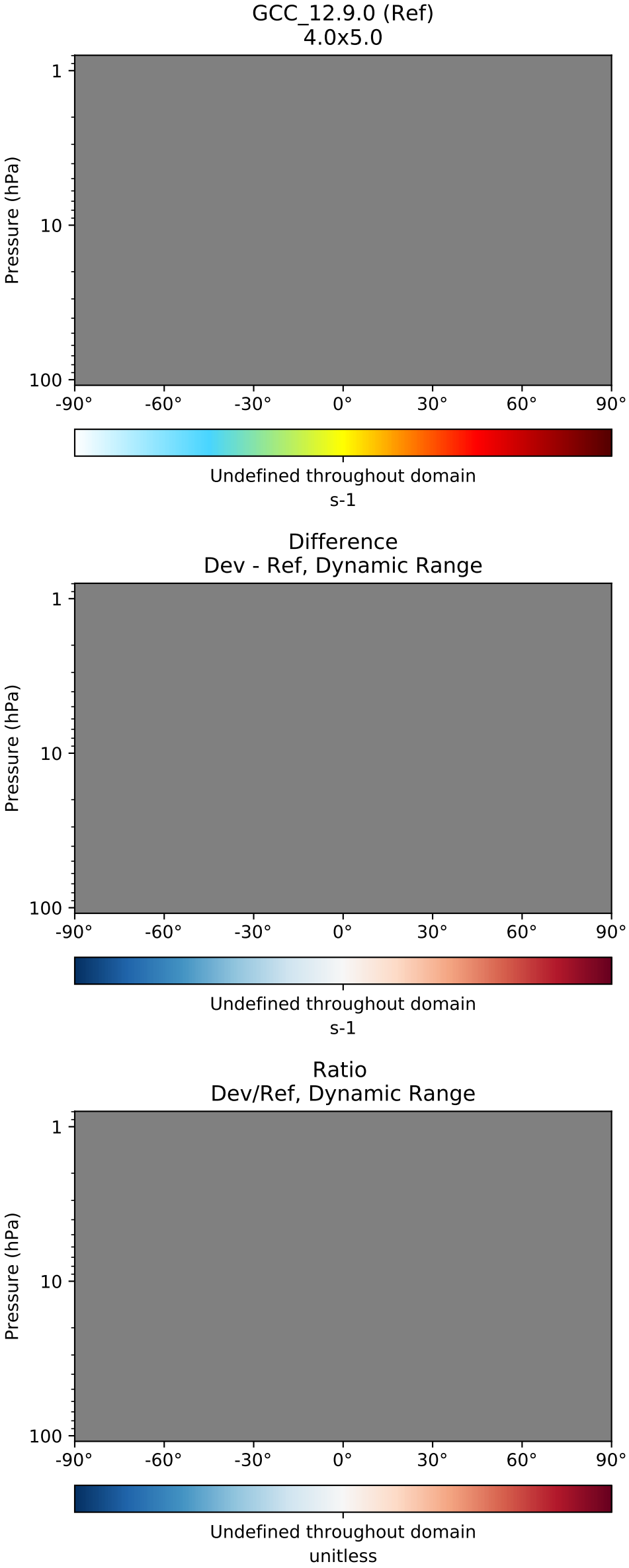
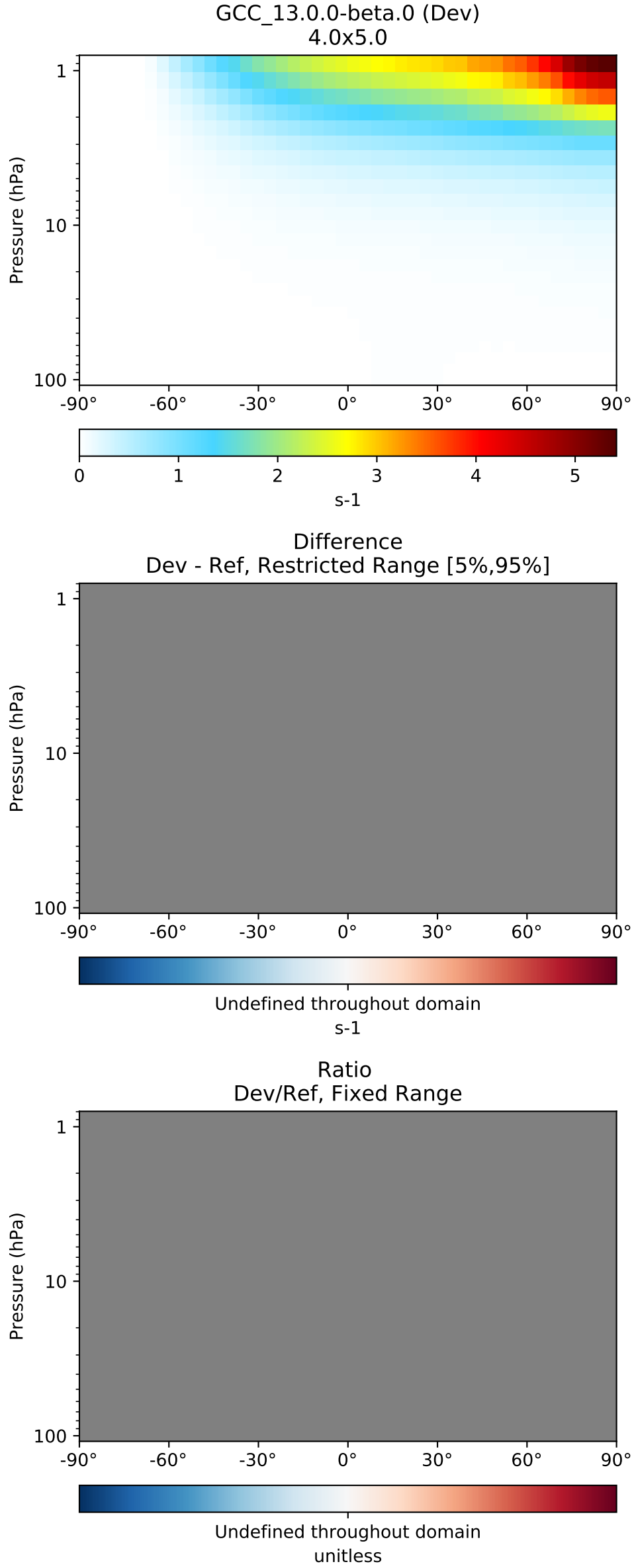
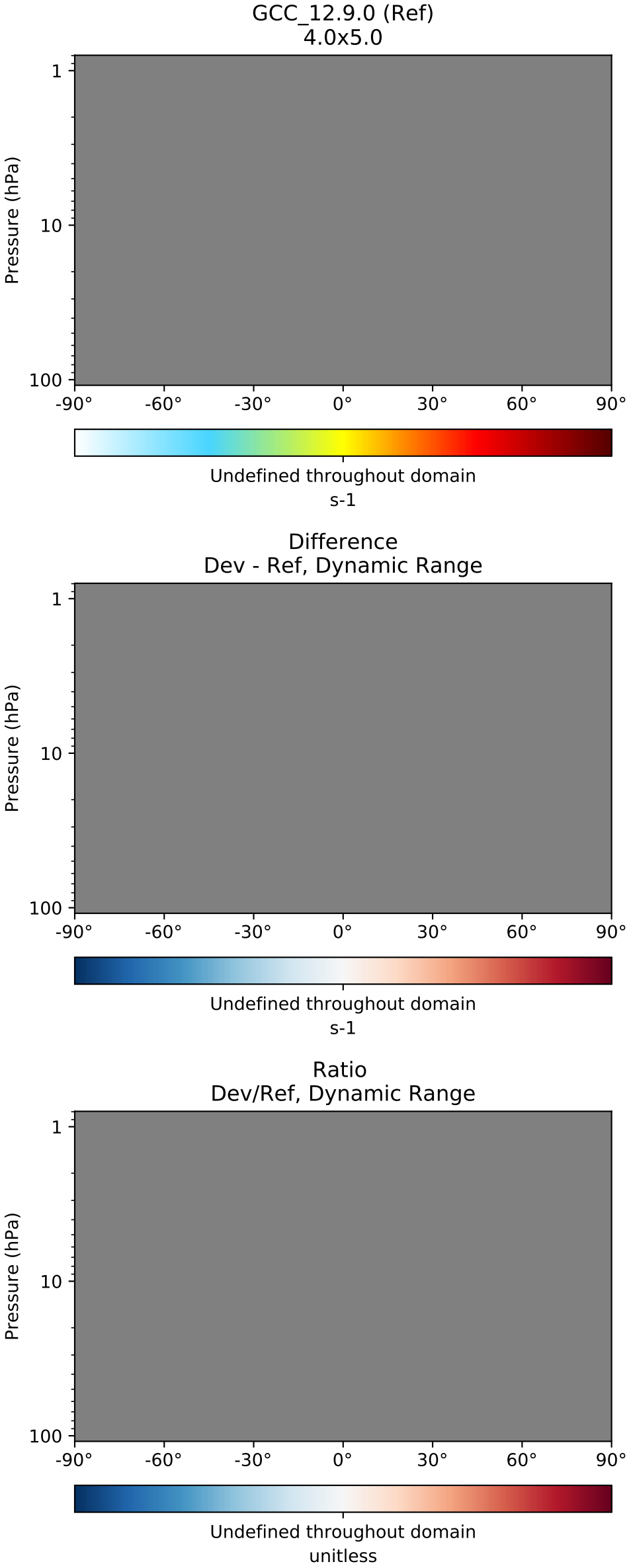
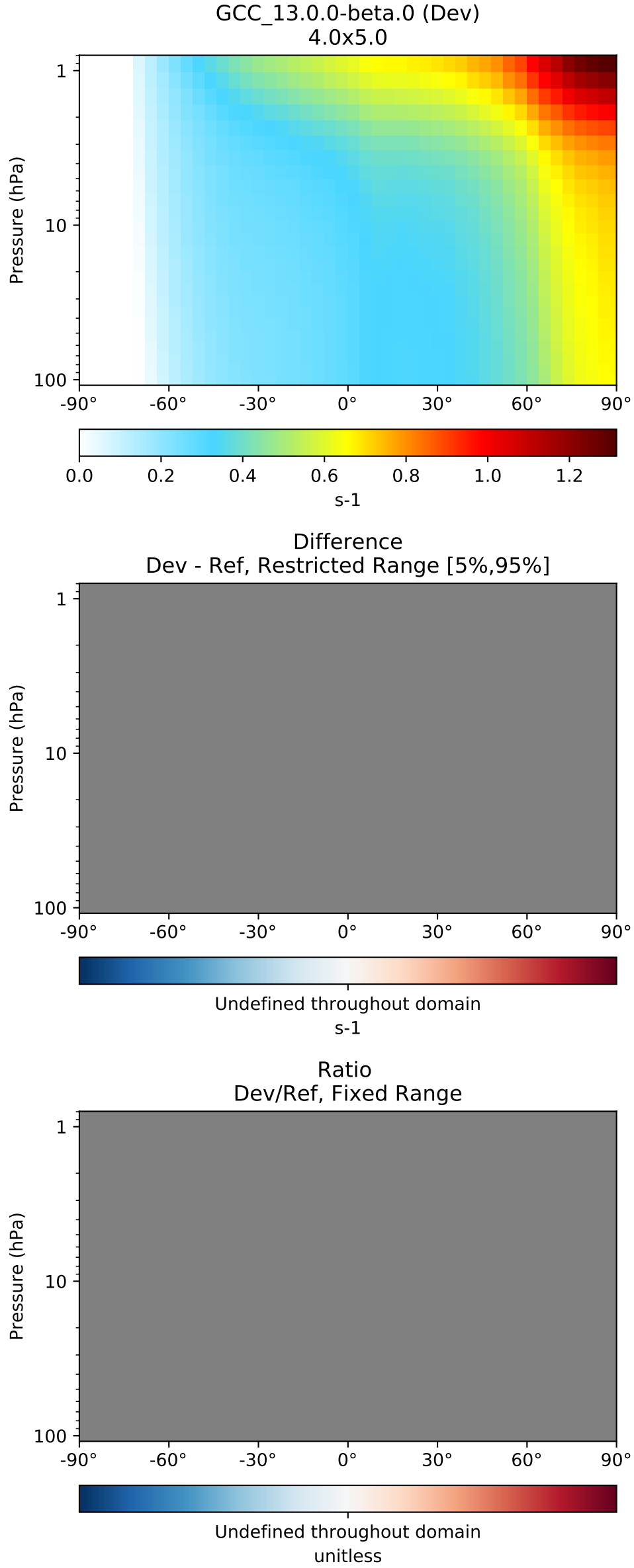
JvalO3O1D, Zonal Mean



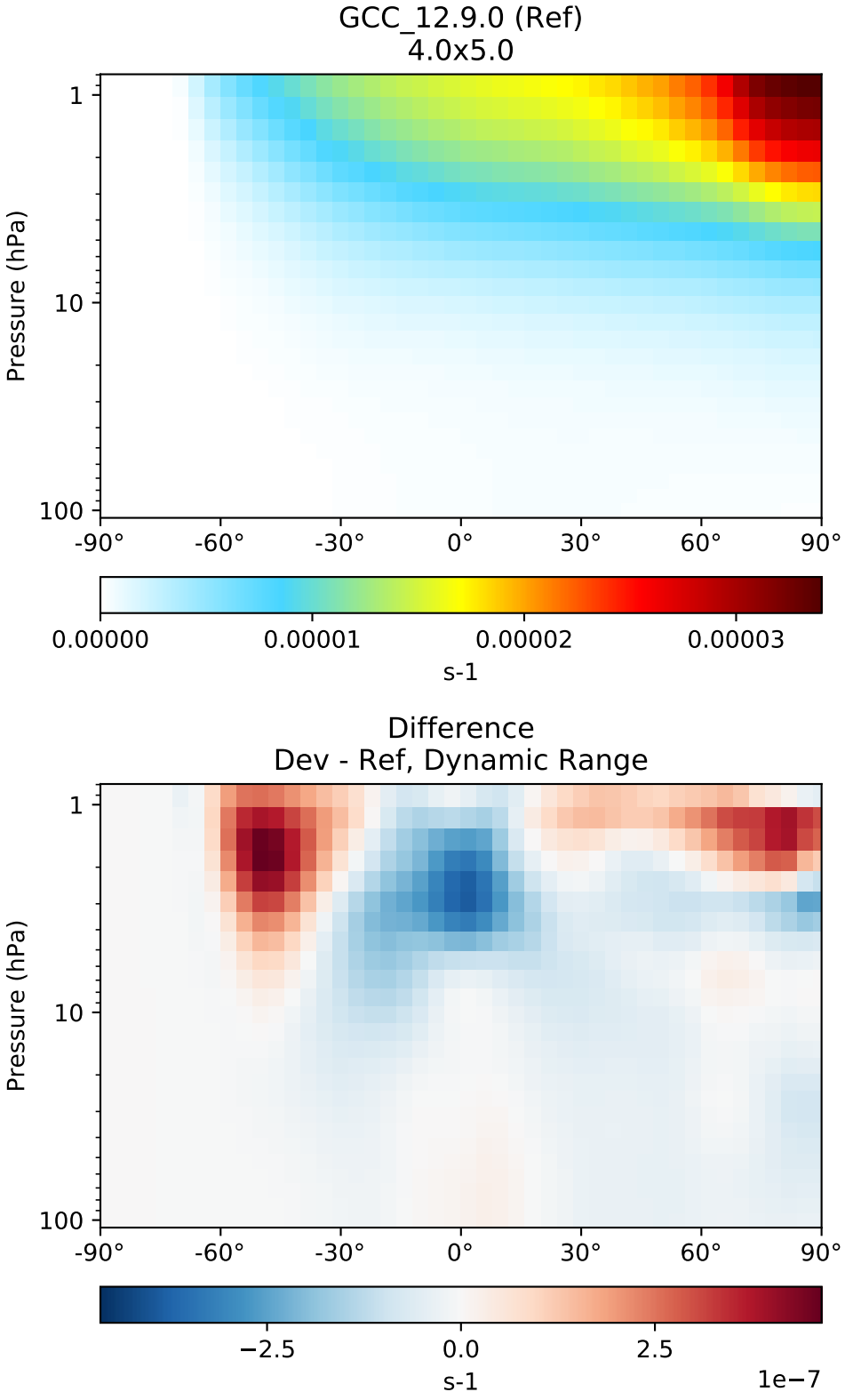


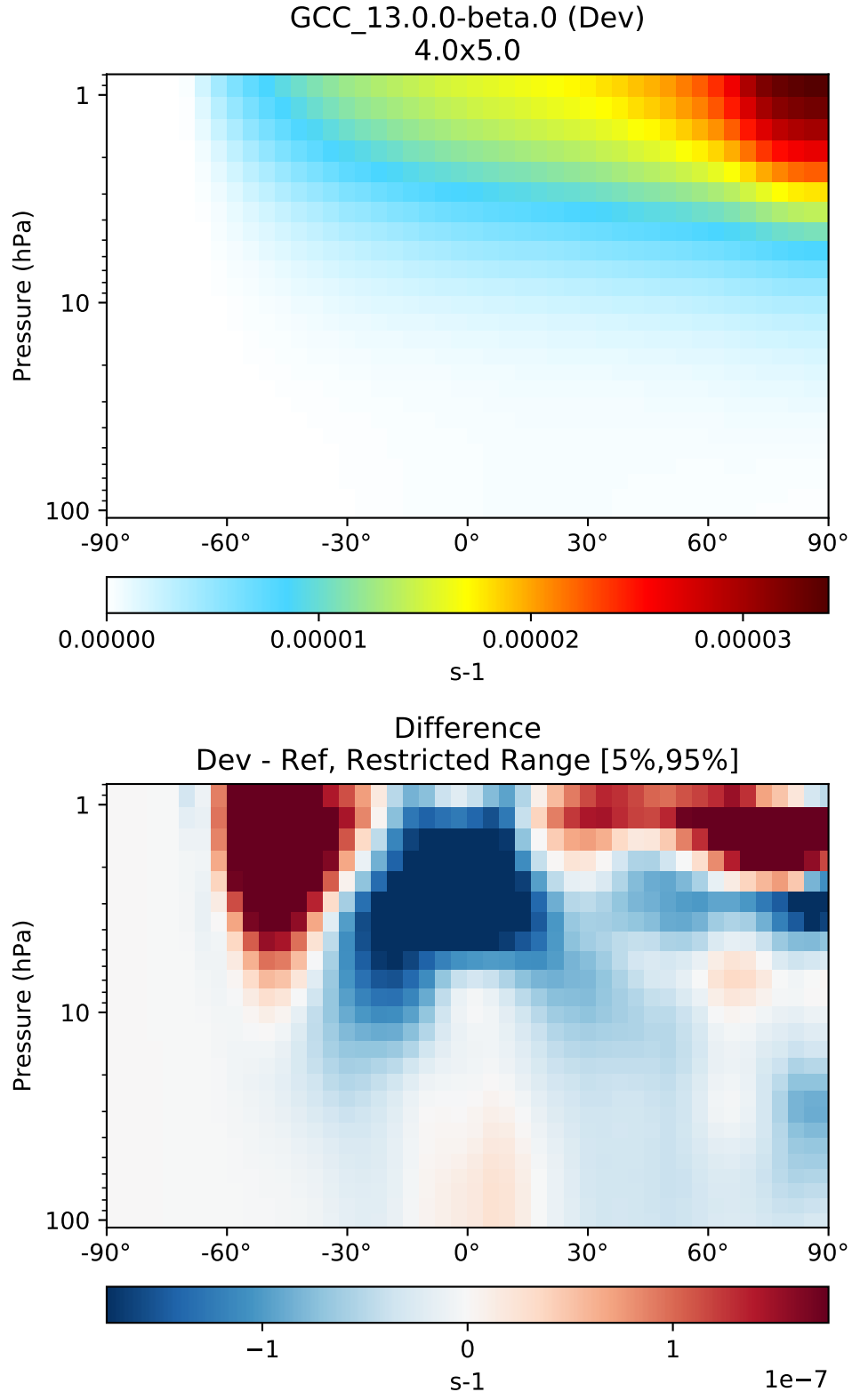
JvalO3O3P, Zonal Mean

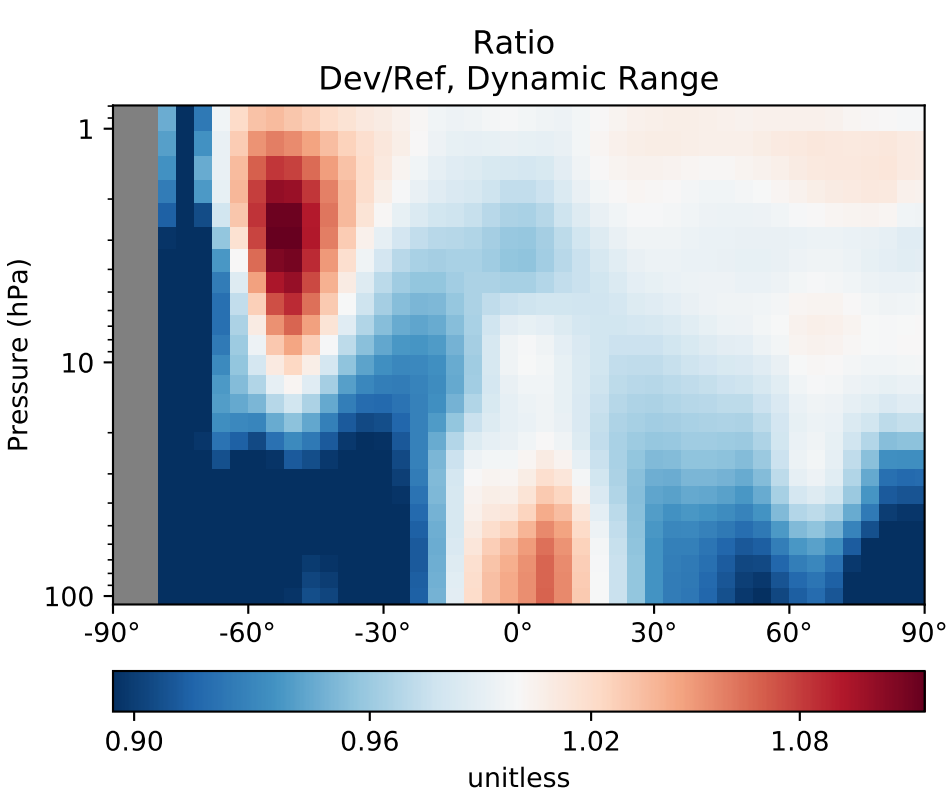


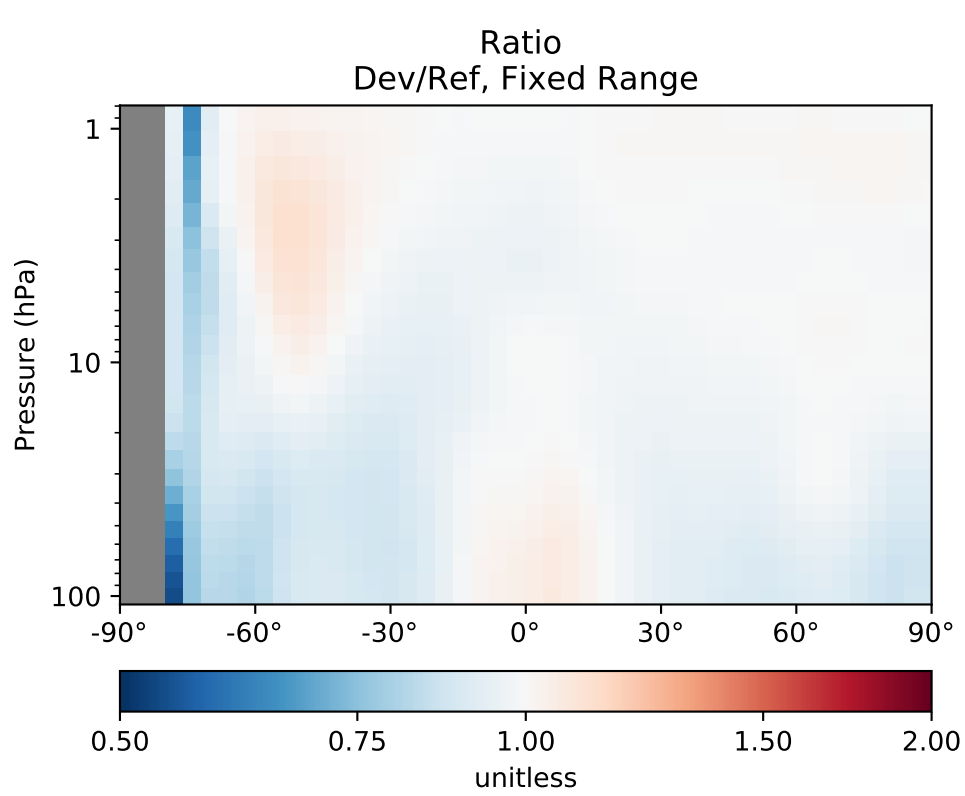


Jval_ACET, Zonal Mean

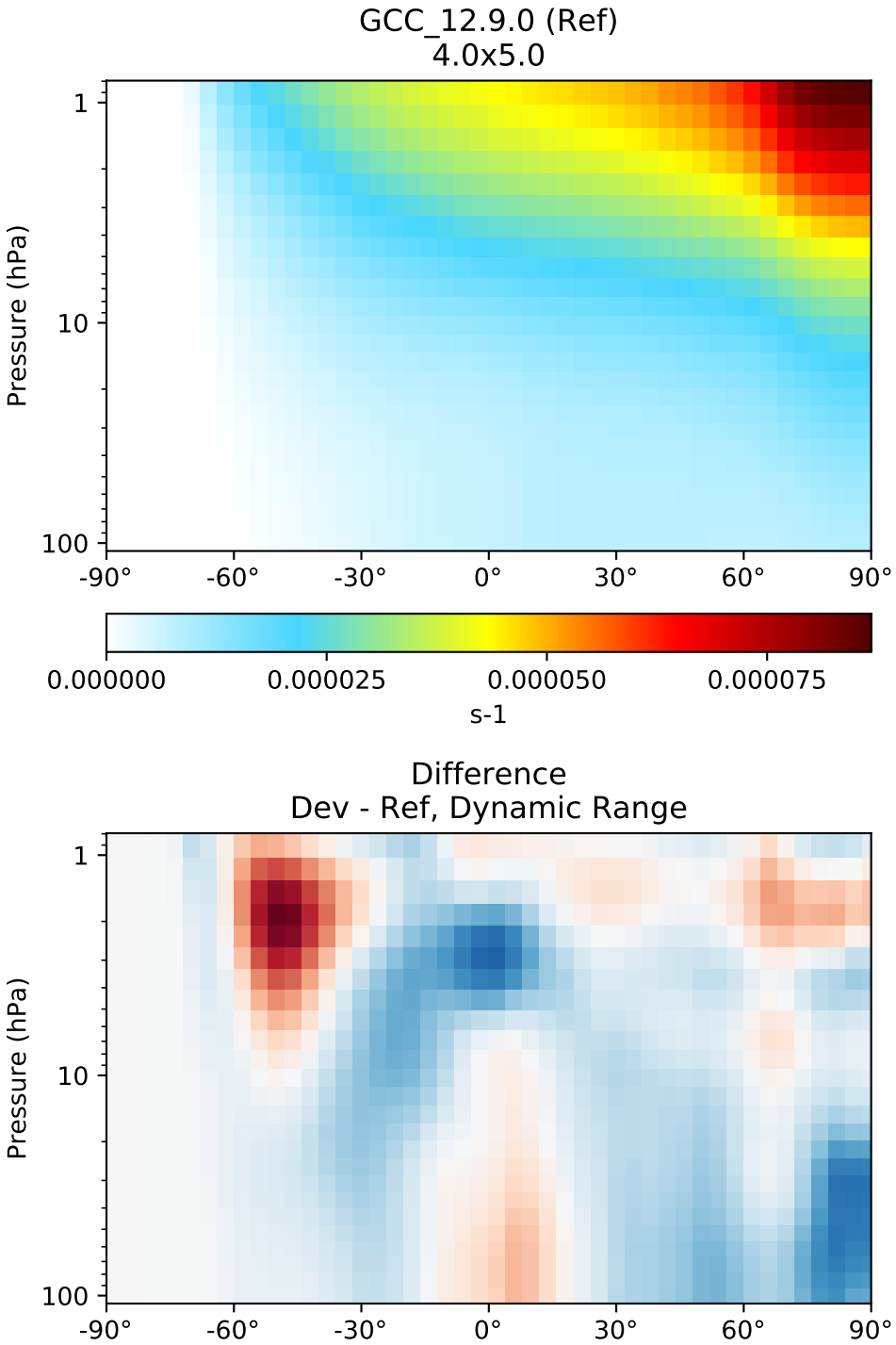


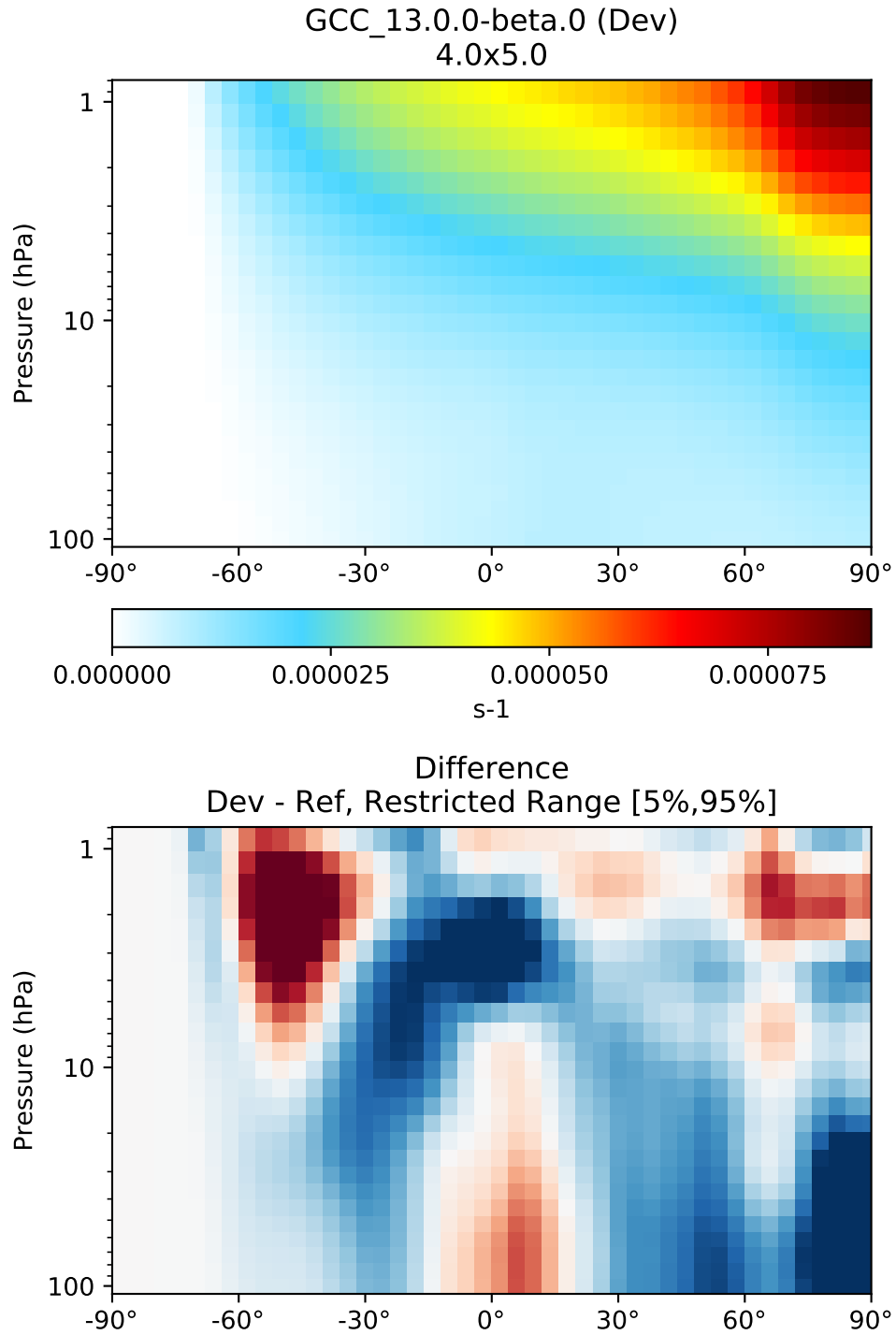


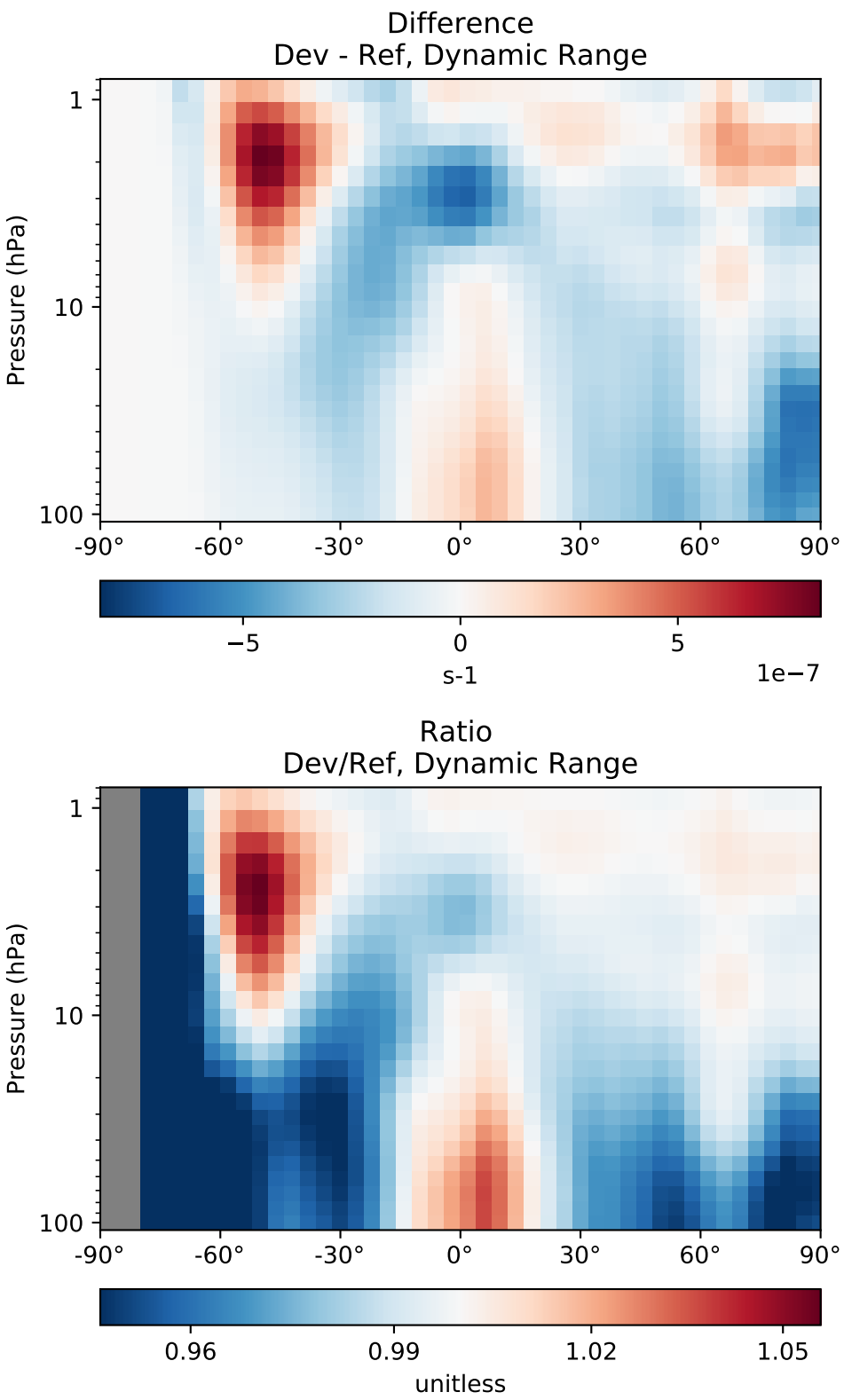


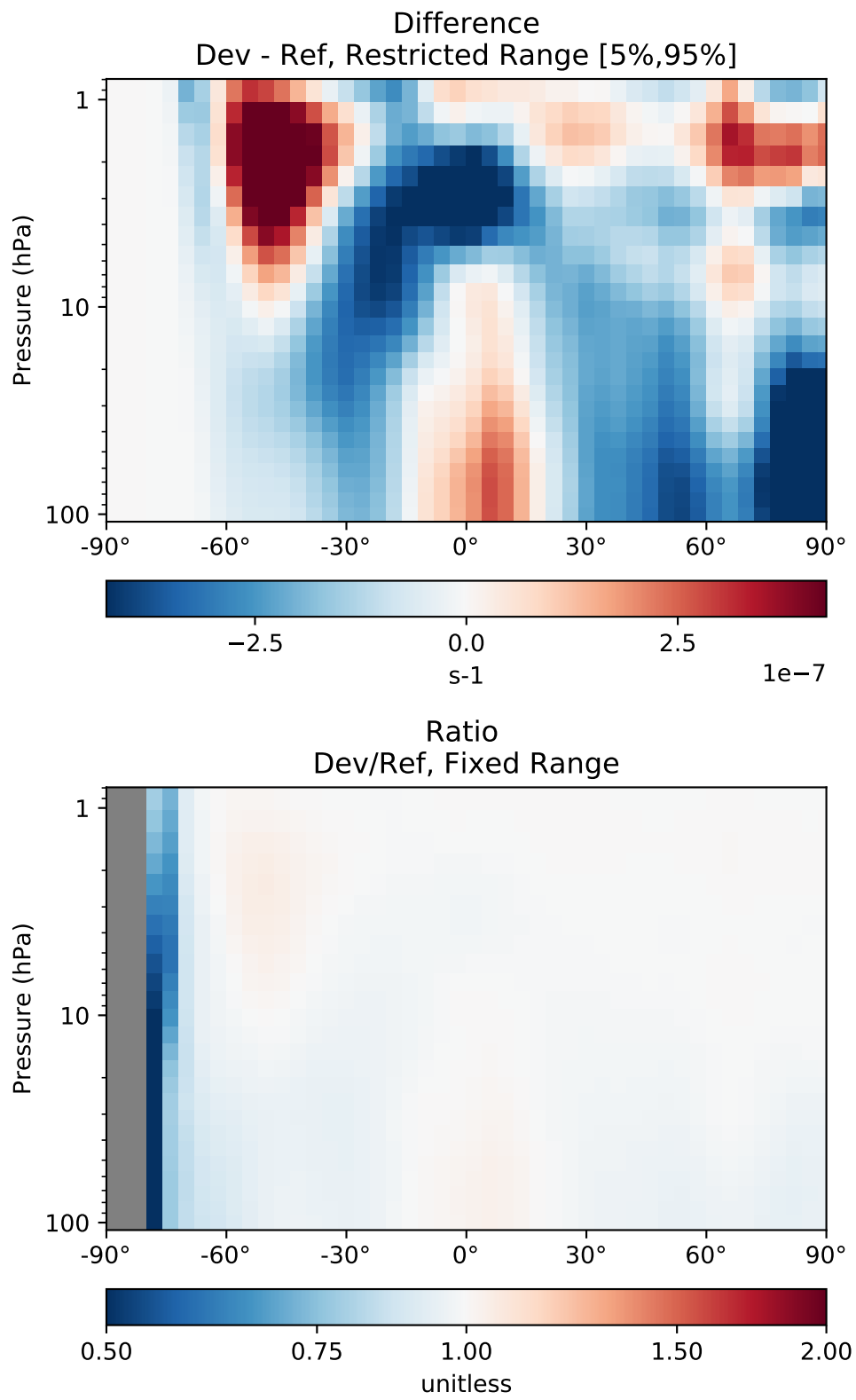


Jval_ALD2, Zonal Mean

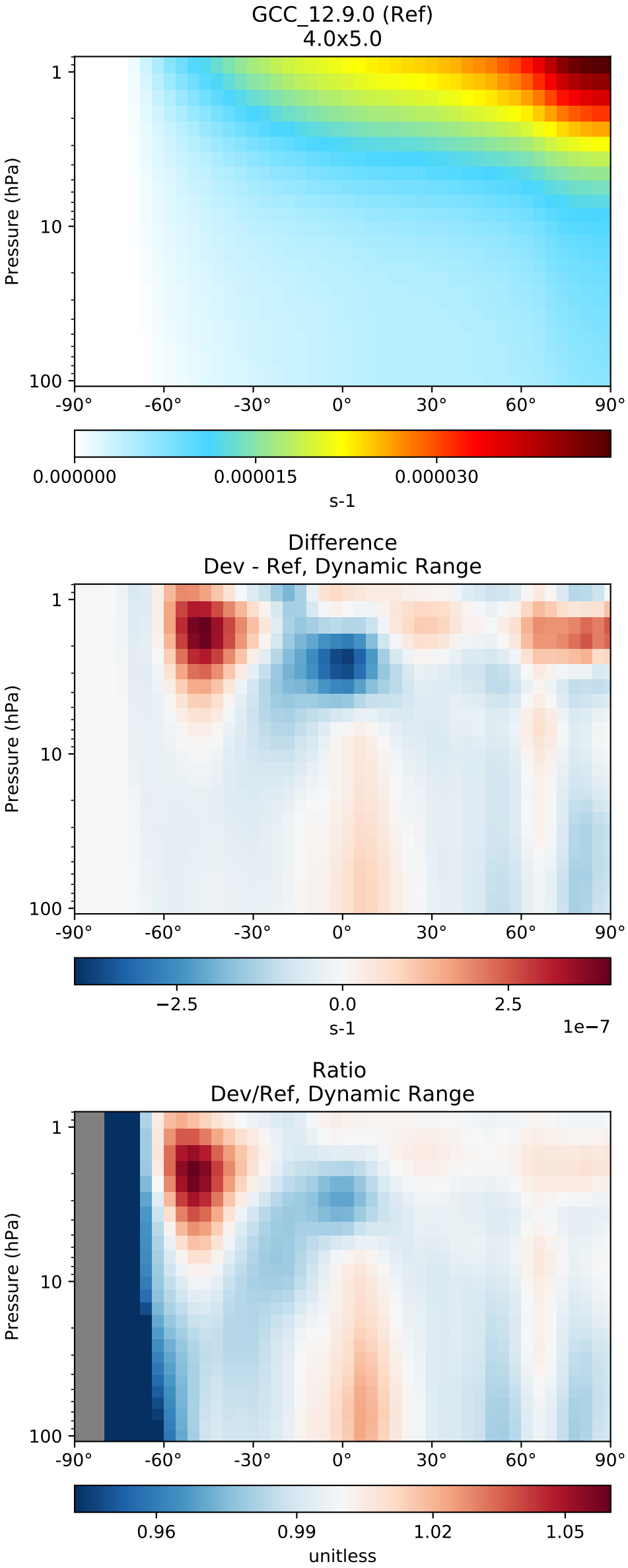


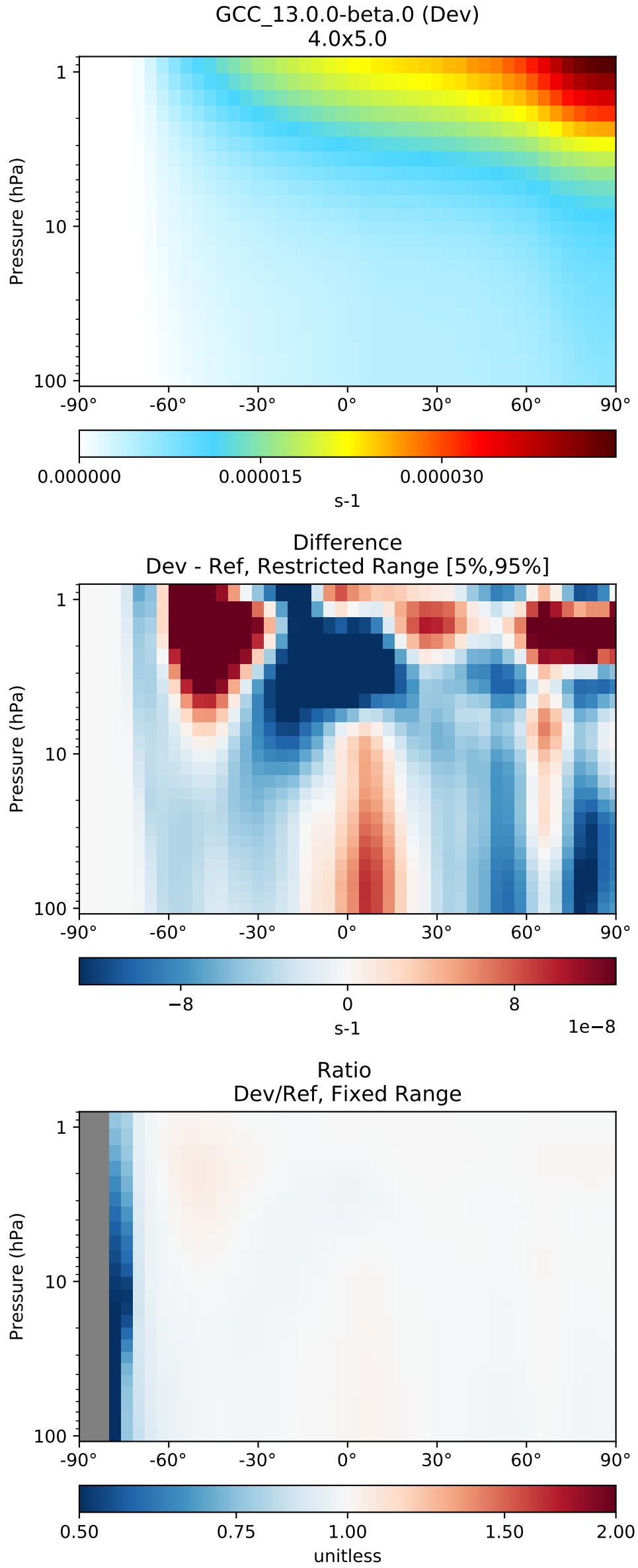




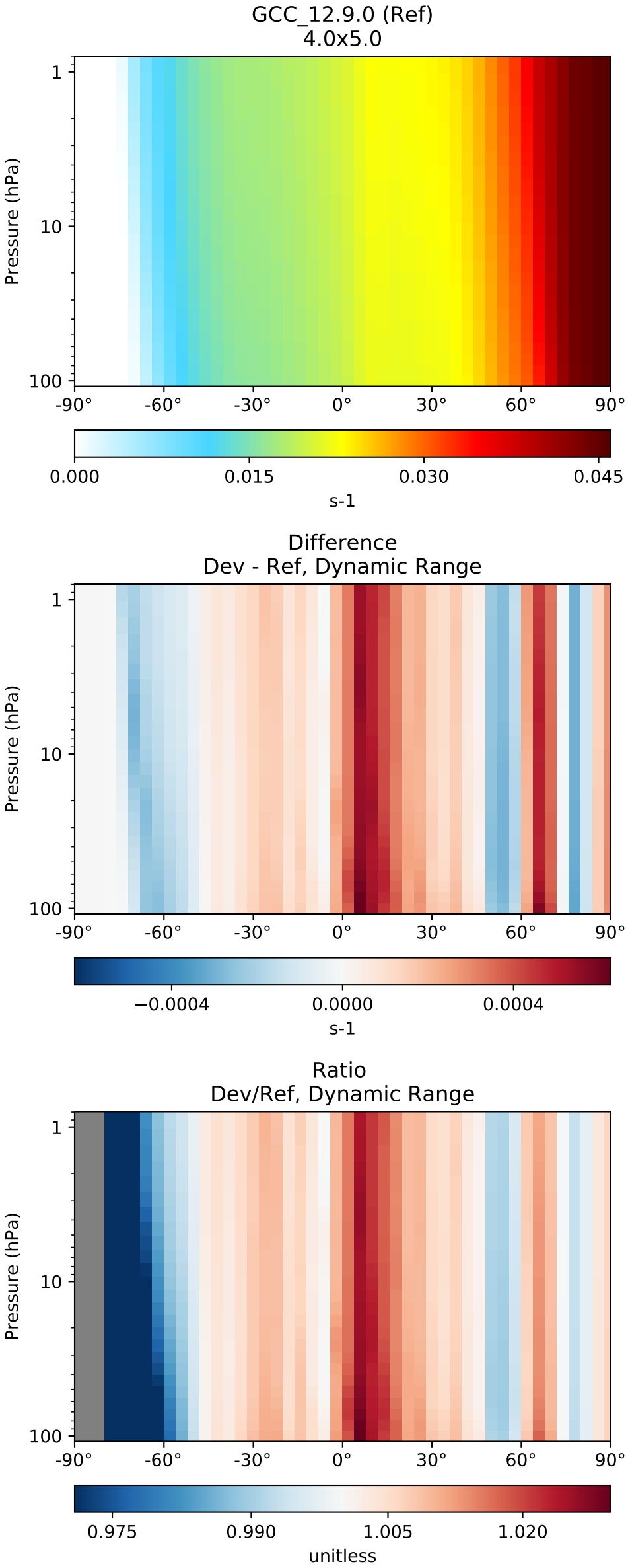


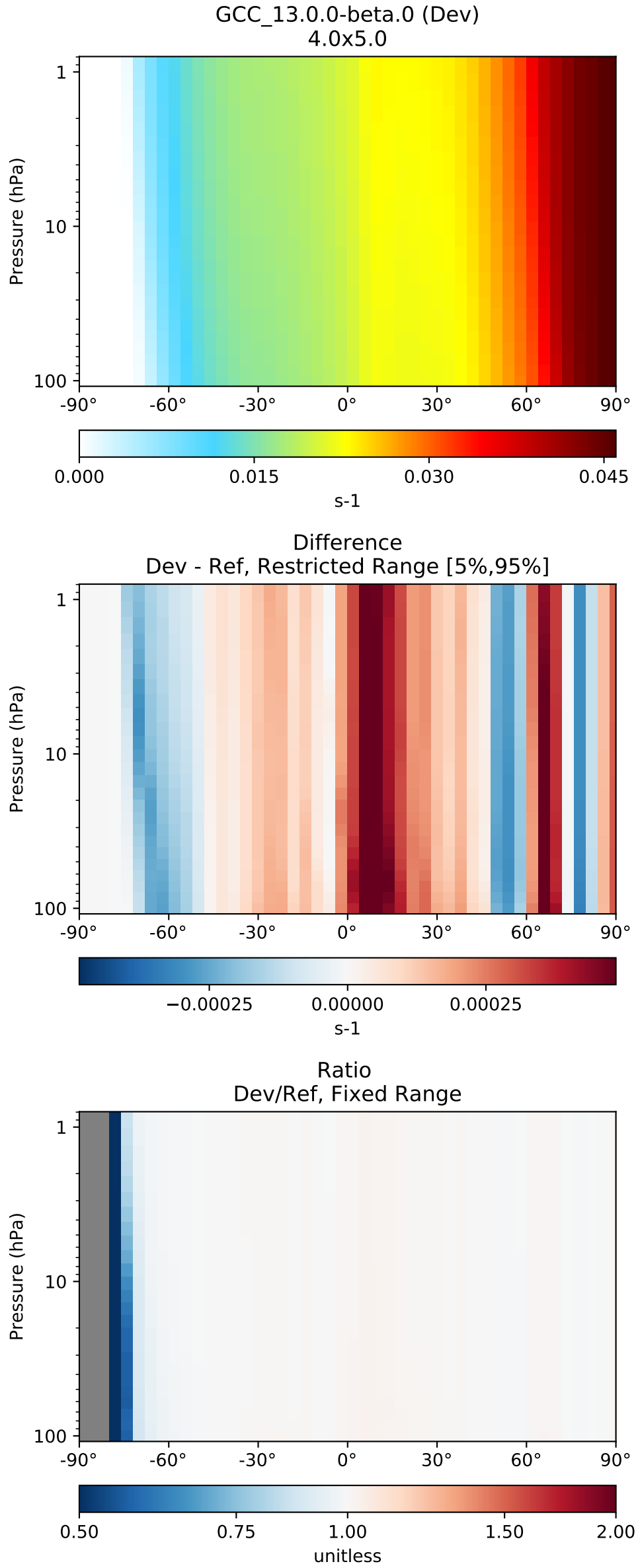
Jval_ATOOH, Zonal Mean



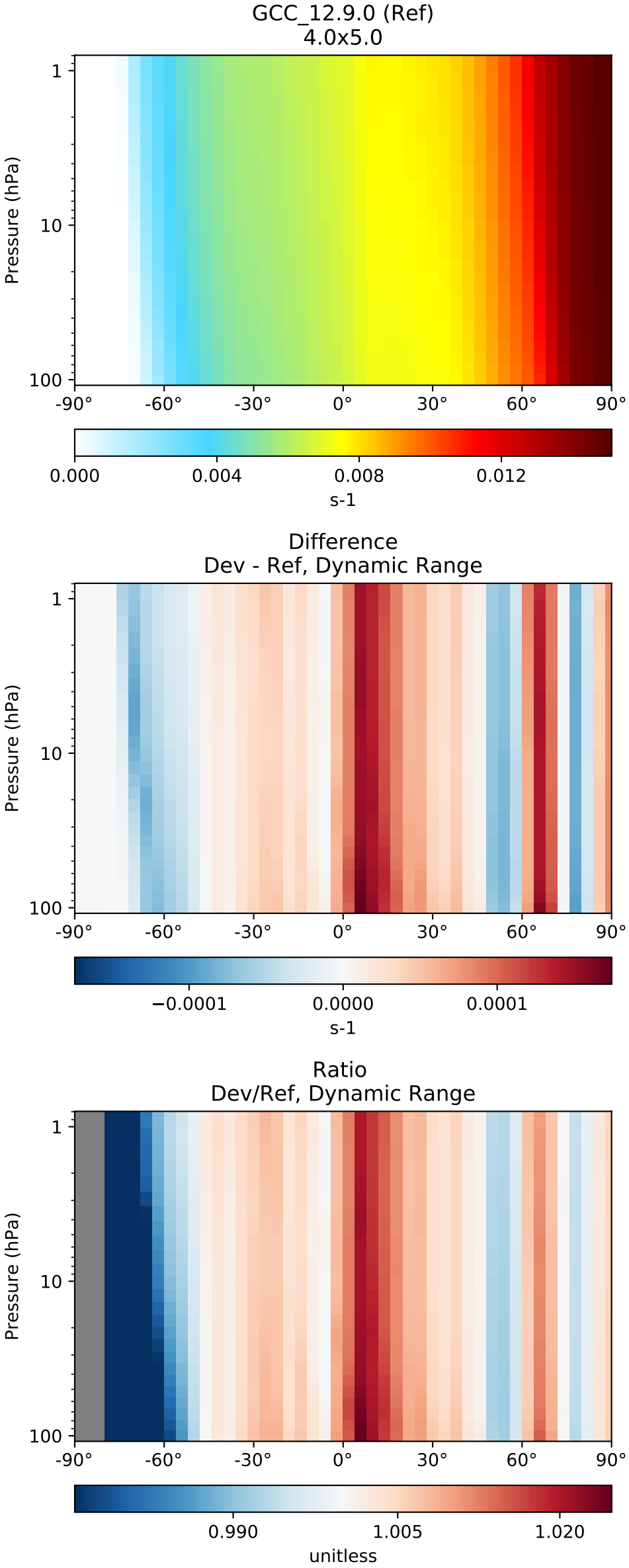


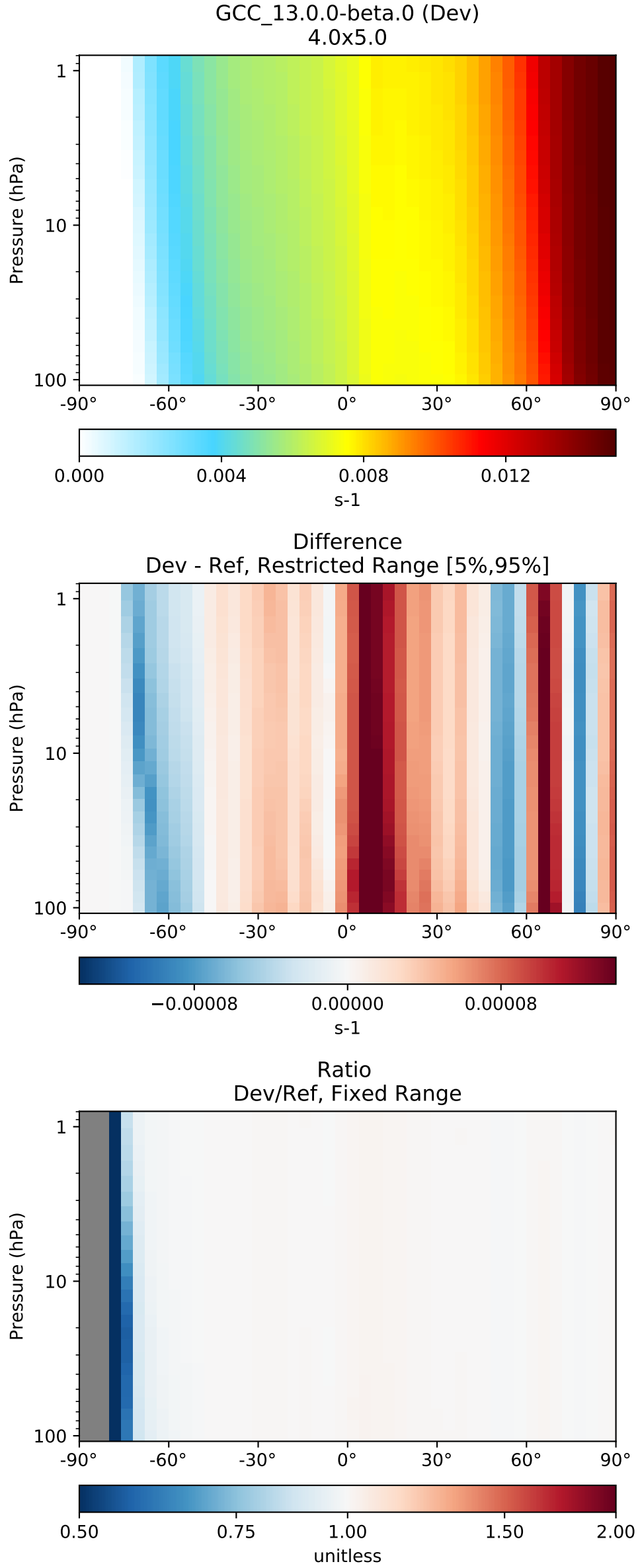
Jval_Br2, Zonal Mean



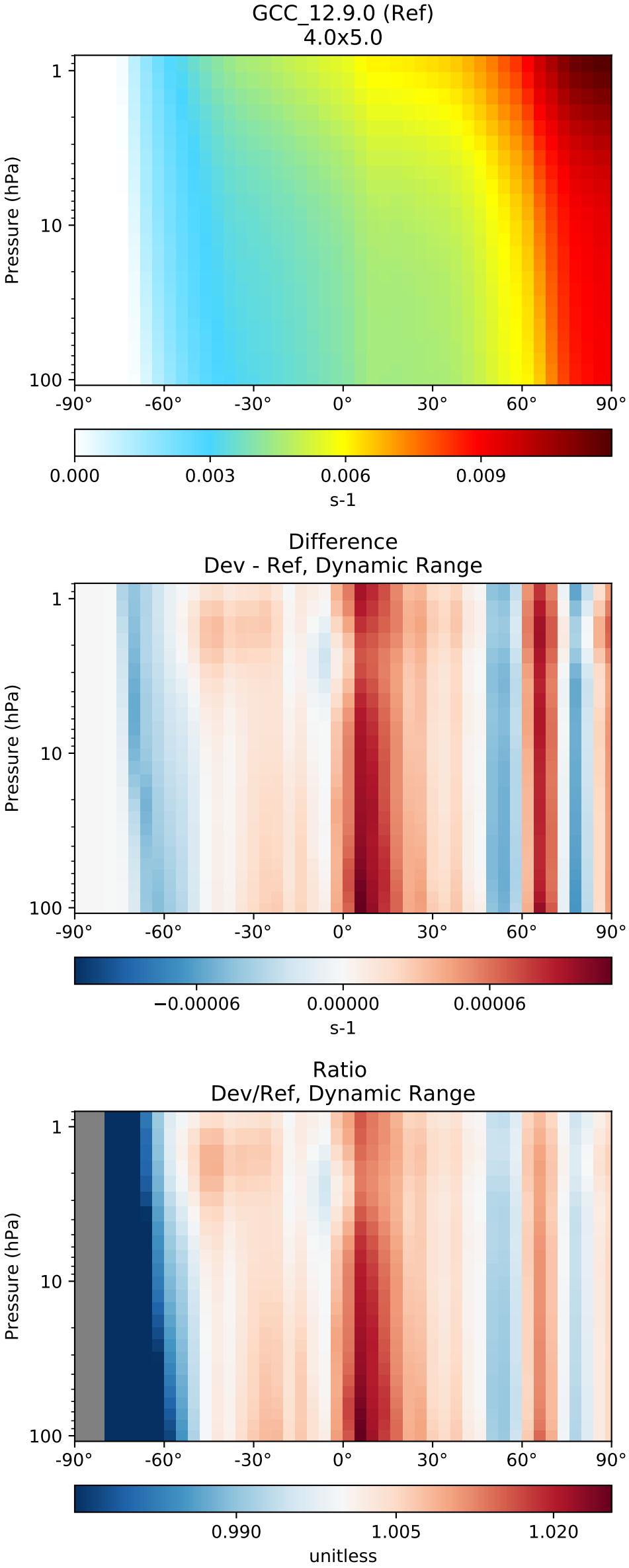


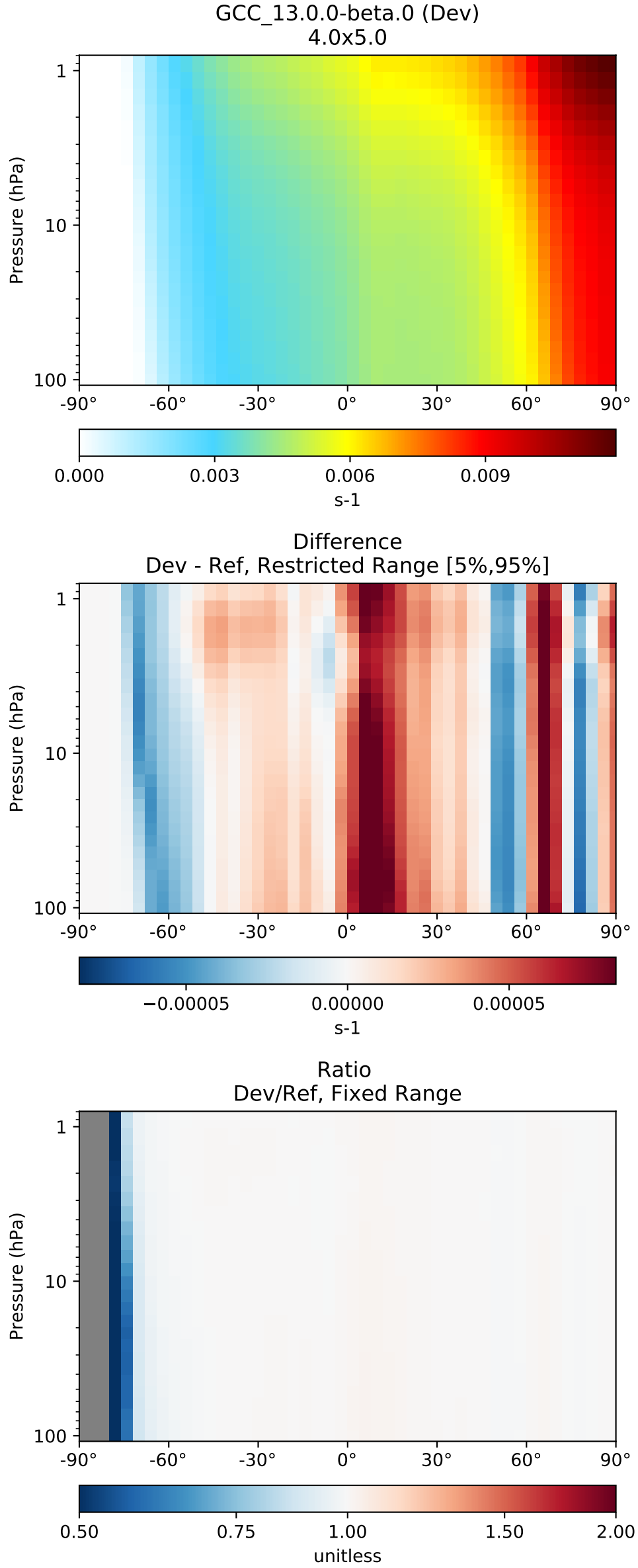
Jval_BrCl, Zonal Mean



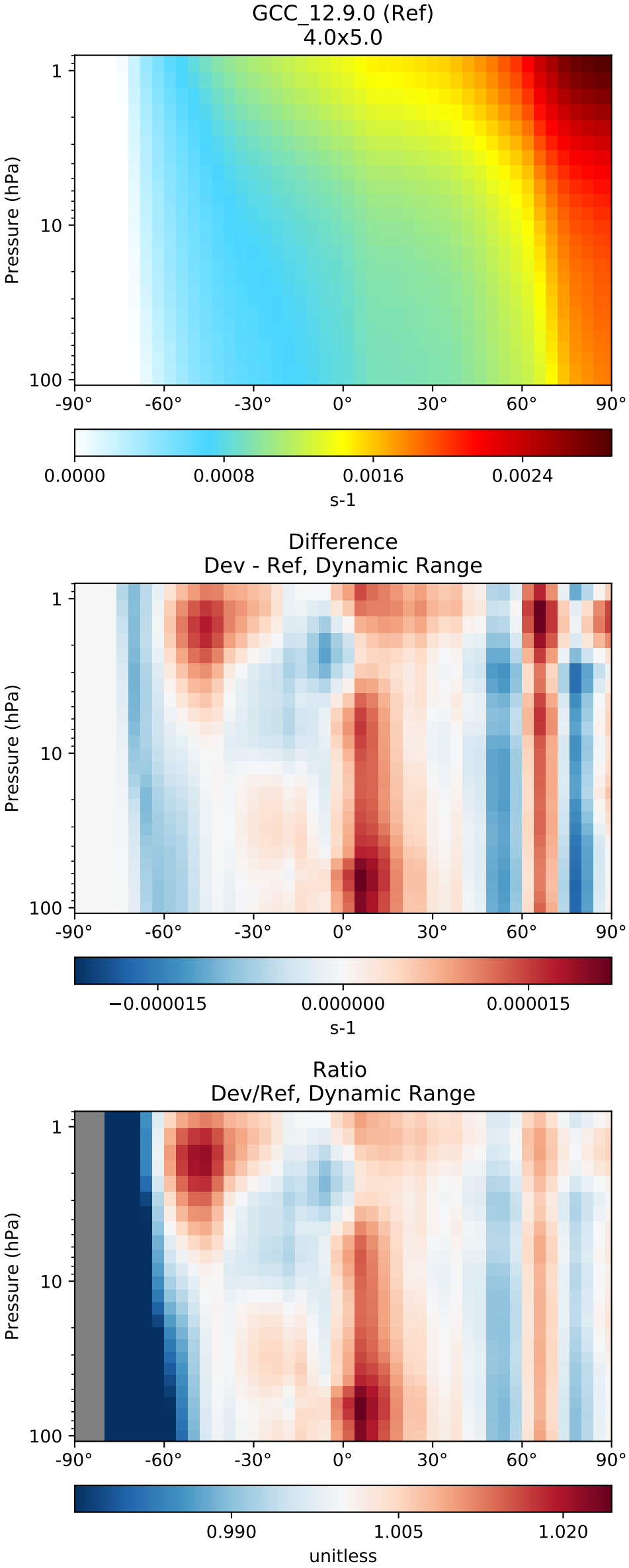


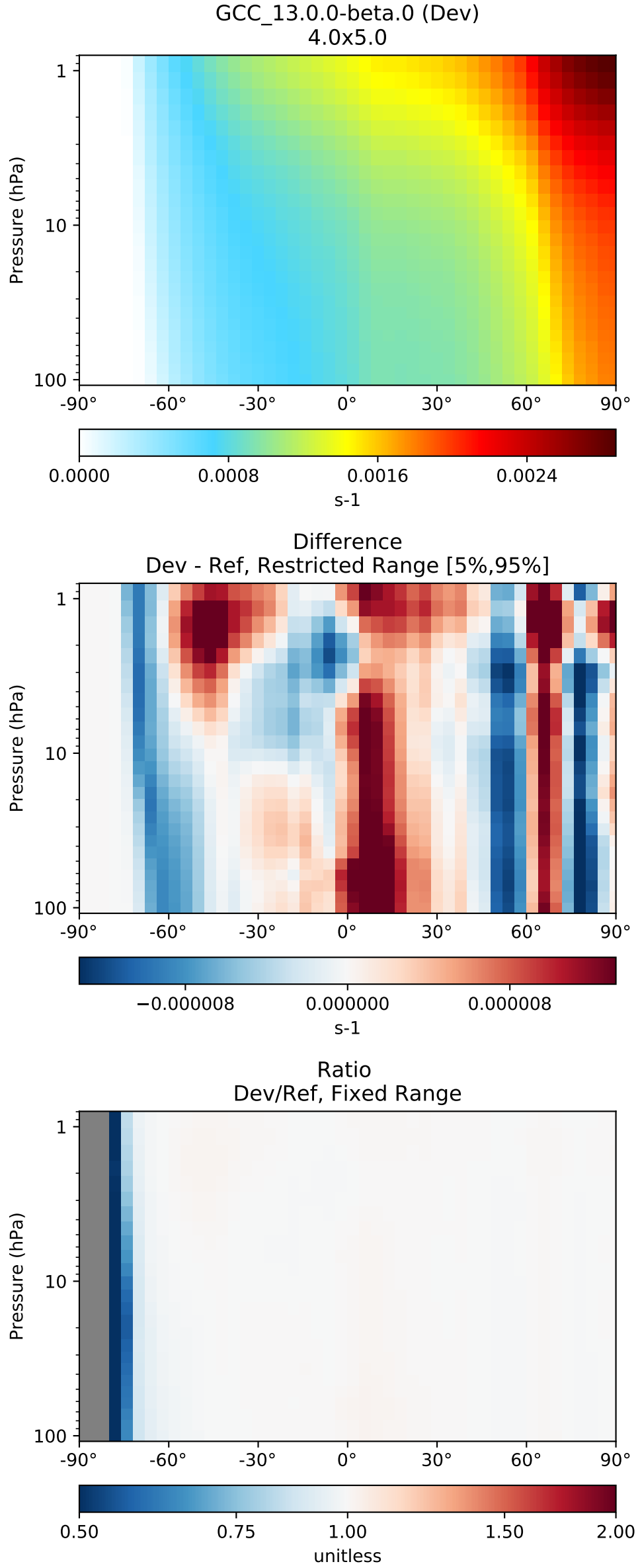
Jval_BrNO2, Zonal Mean



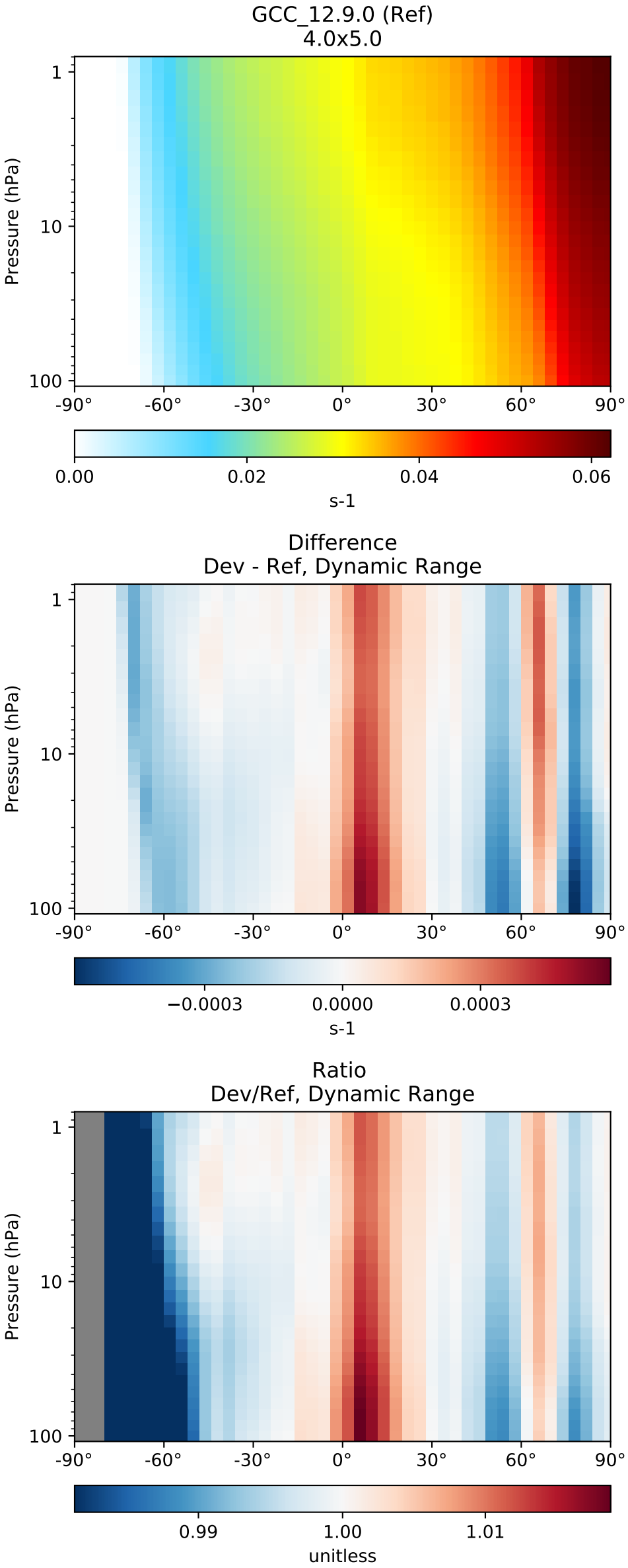


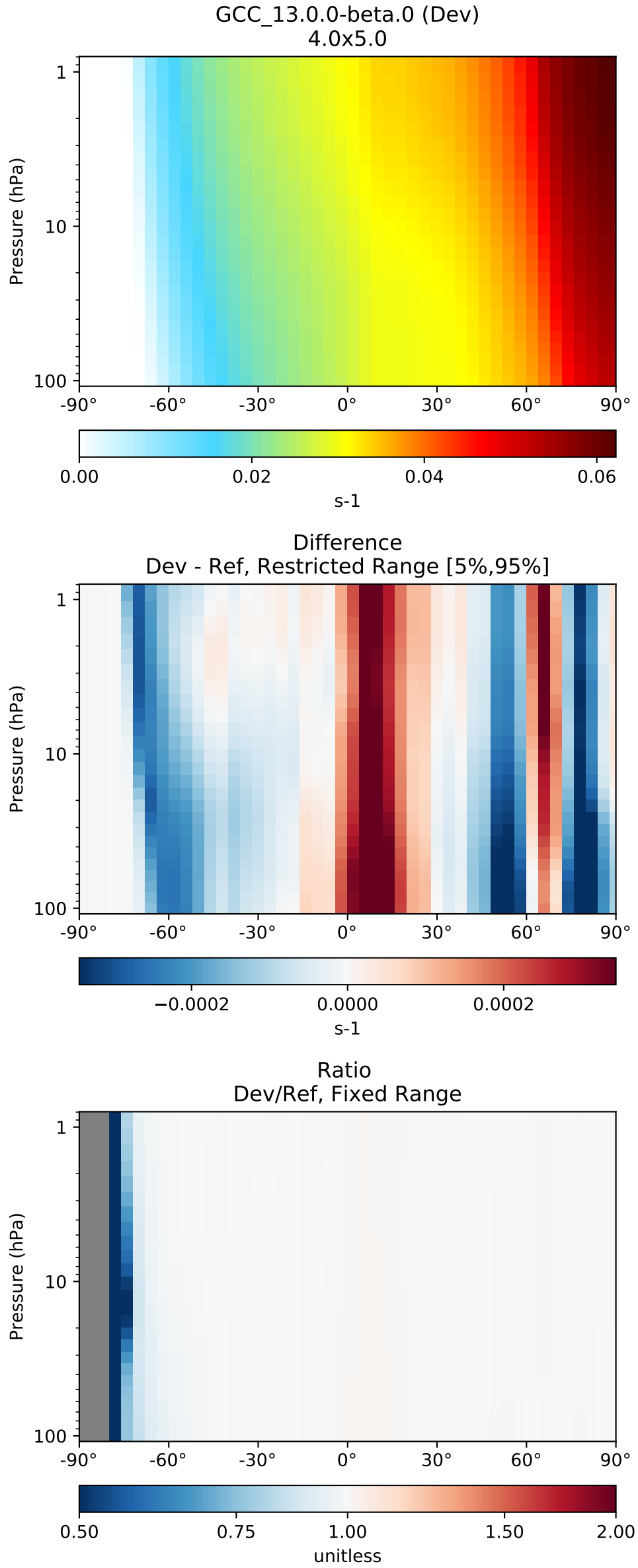
Jval_BrNO3, Zonal Mean



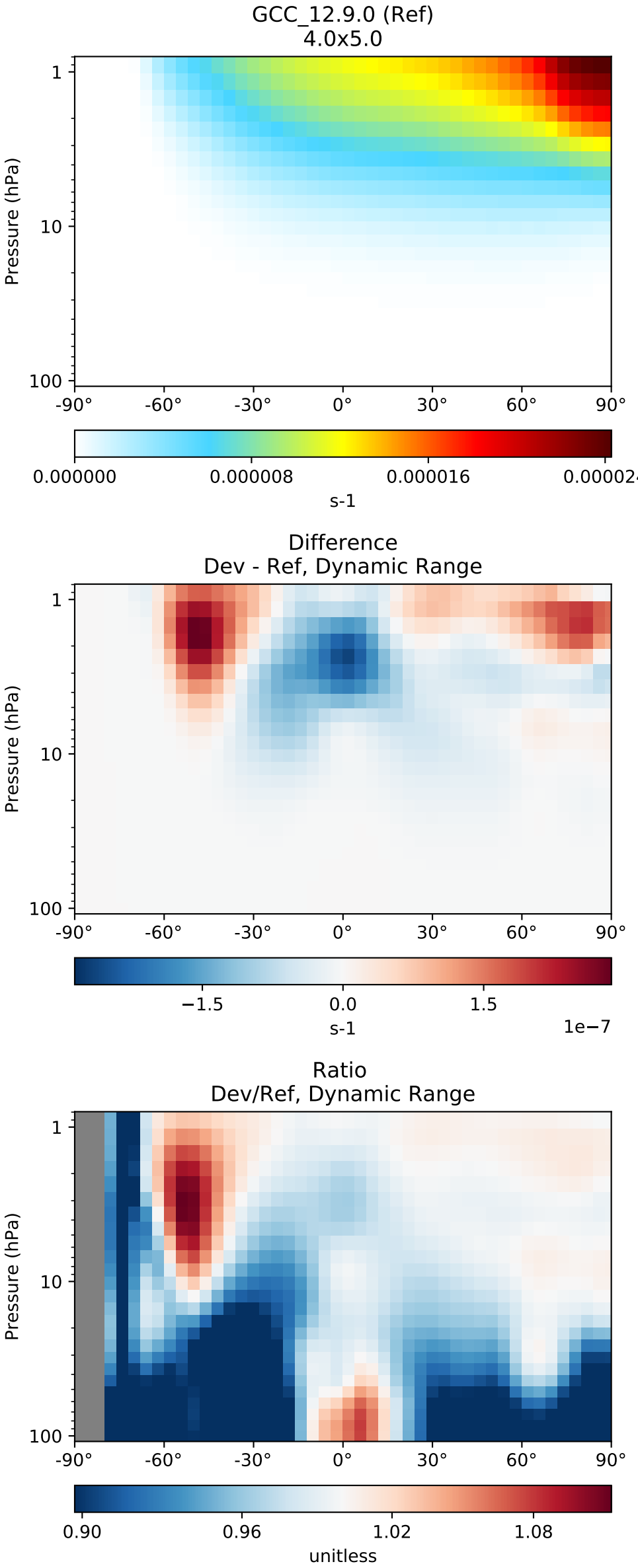


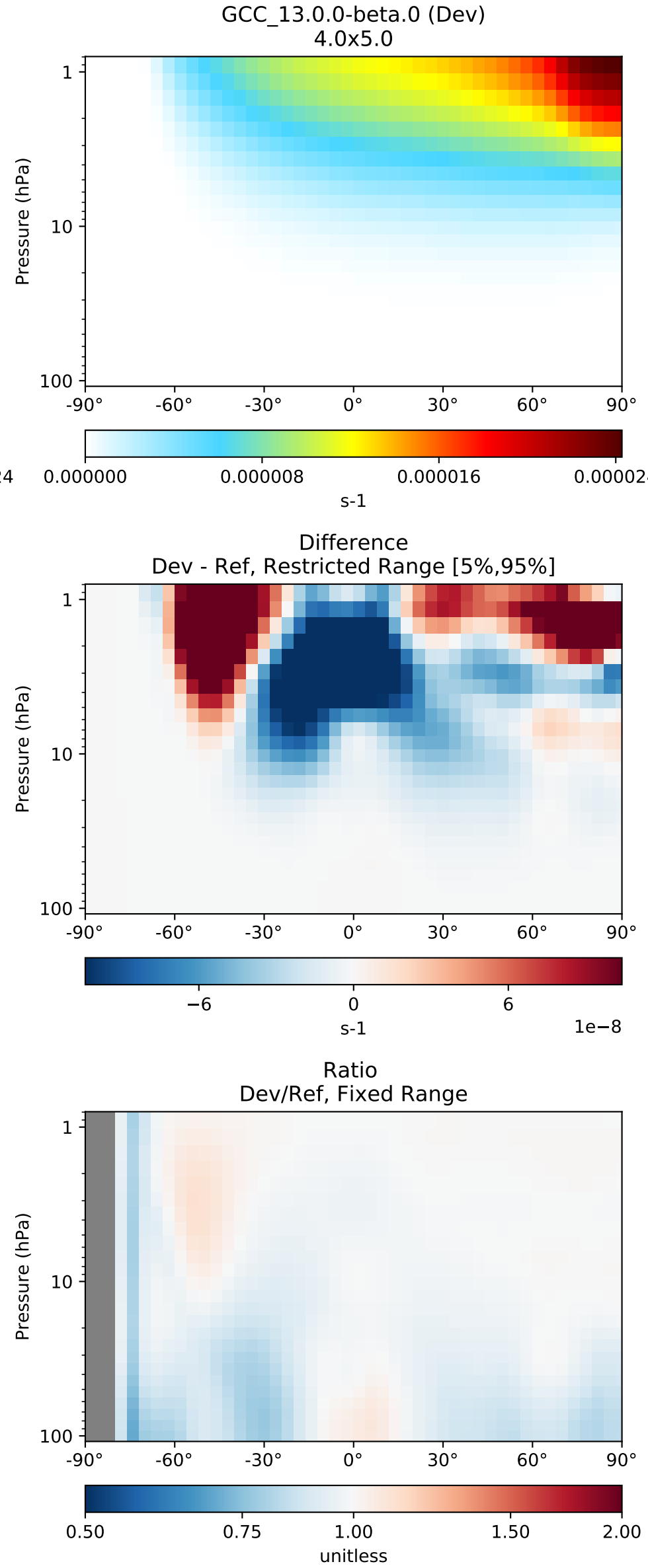
Jval_BrO, Zonal Mean



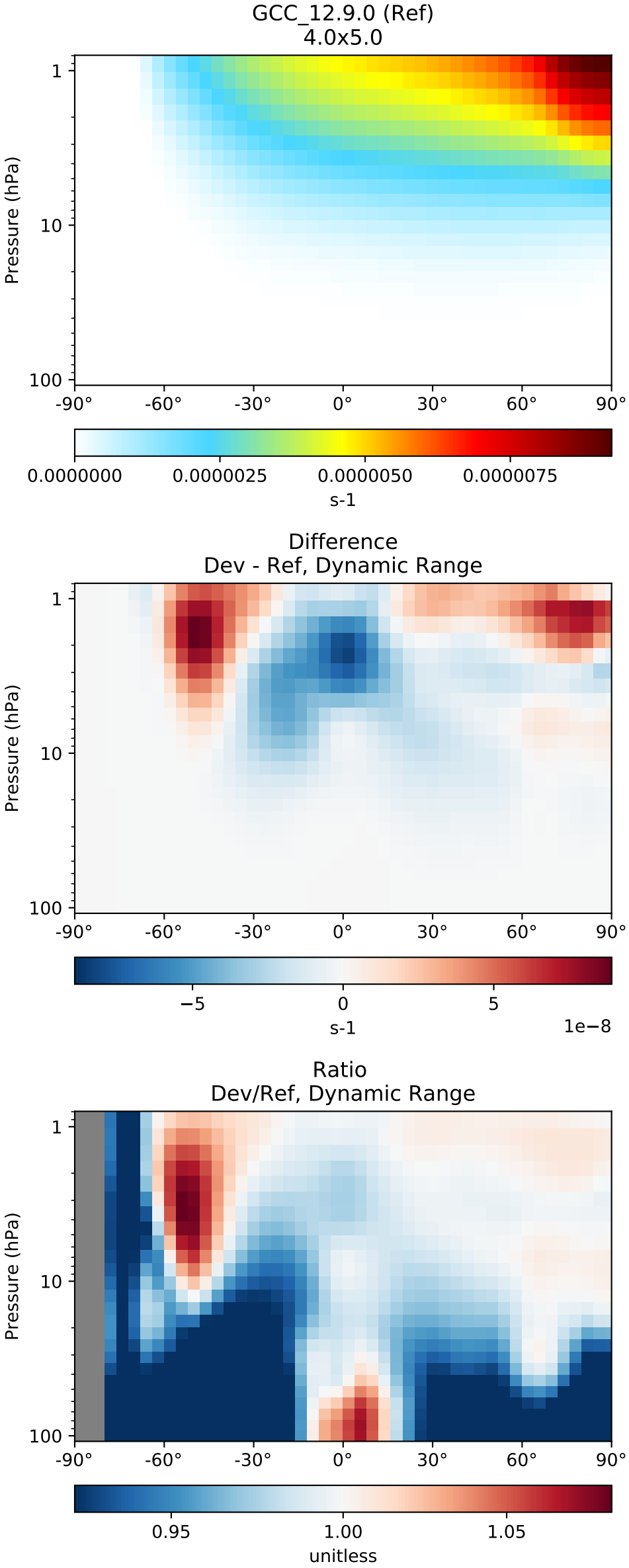


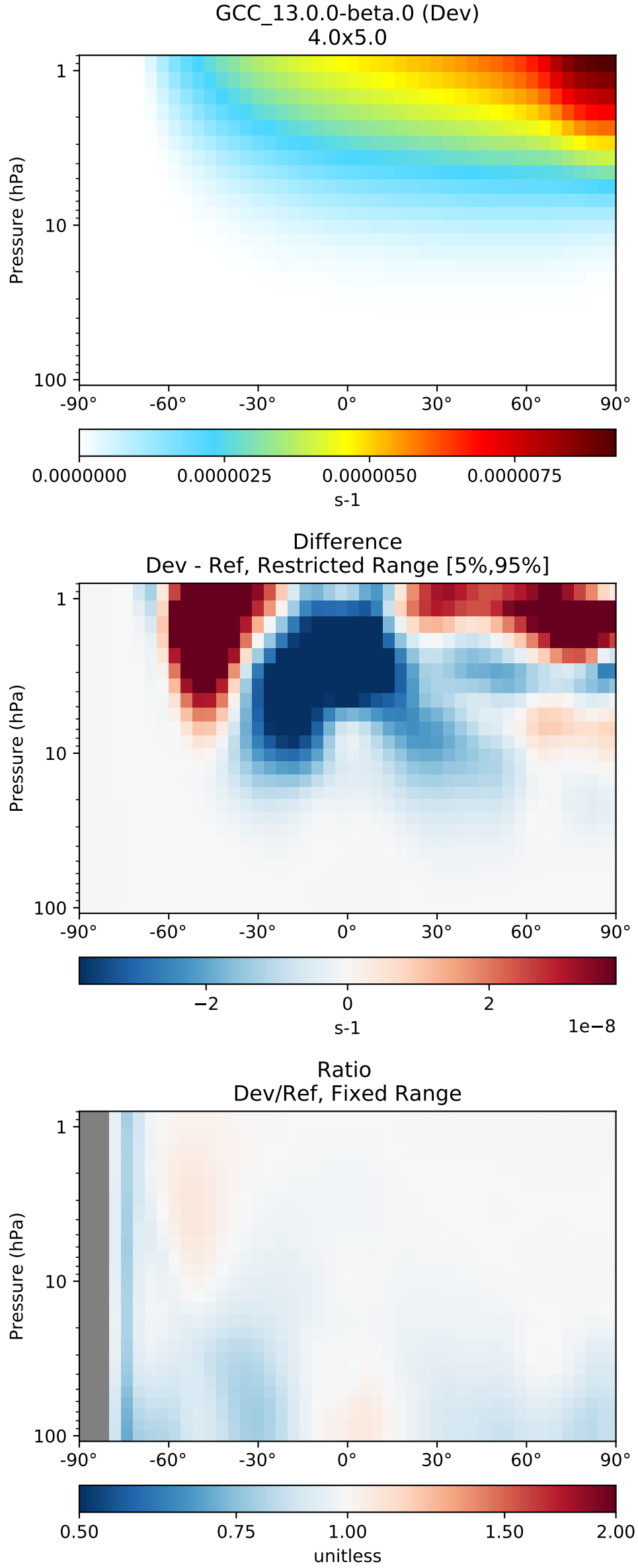
Jval_CCl4, Zonal Mean



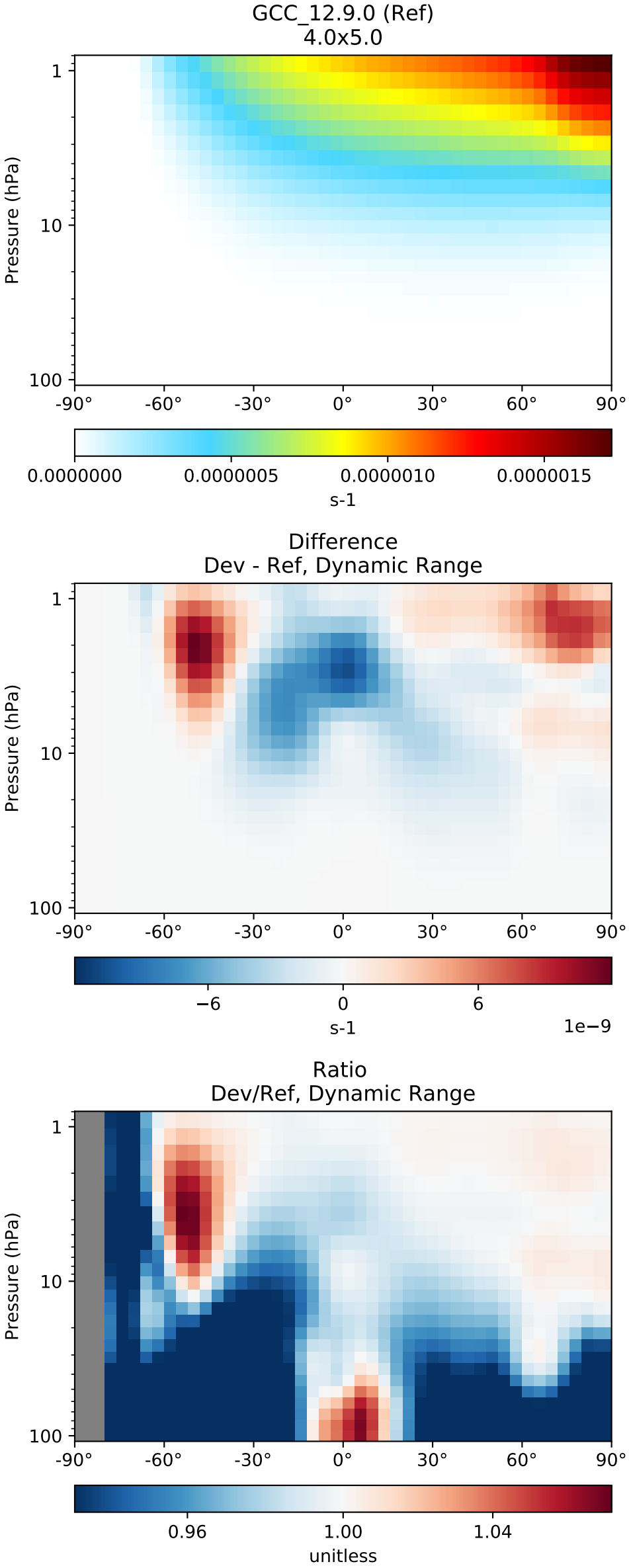


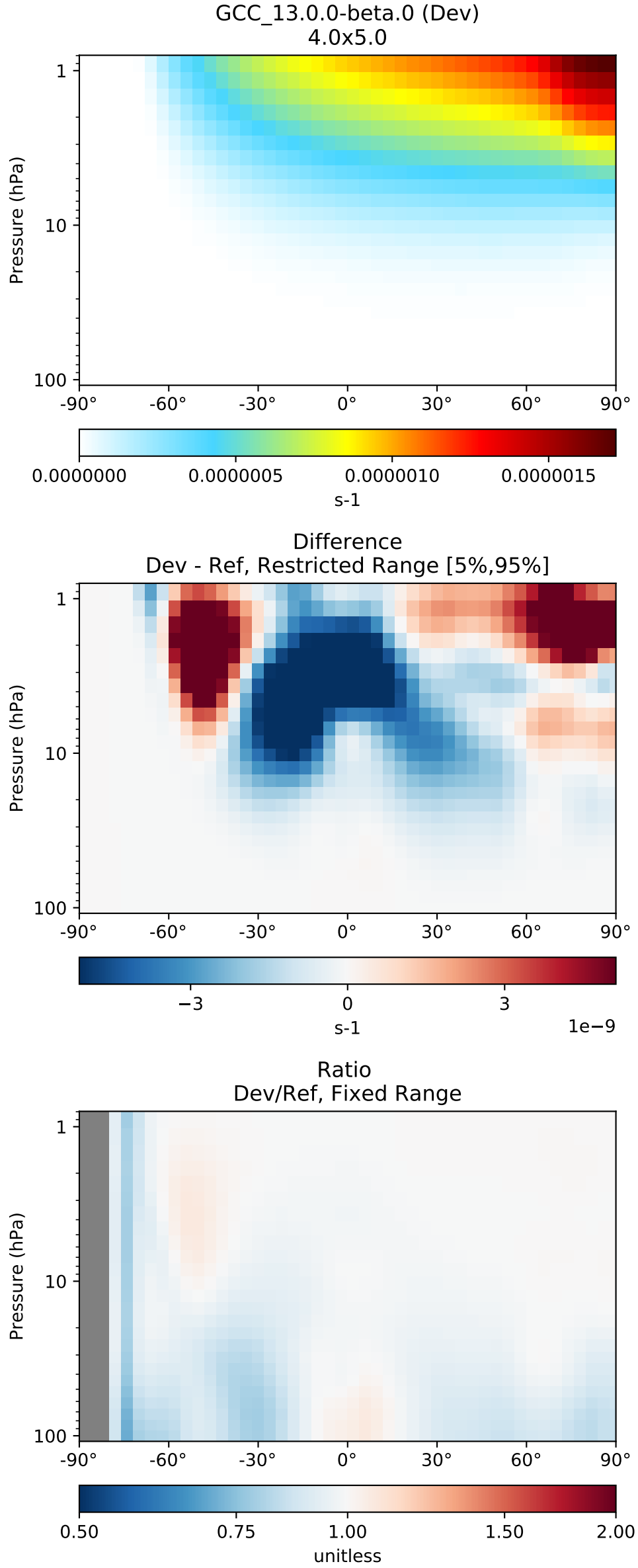
Jval_CFC11, Zonal Mean



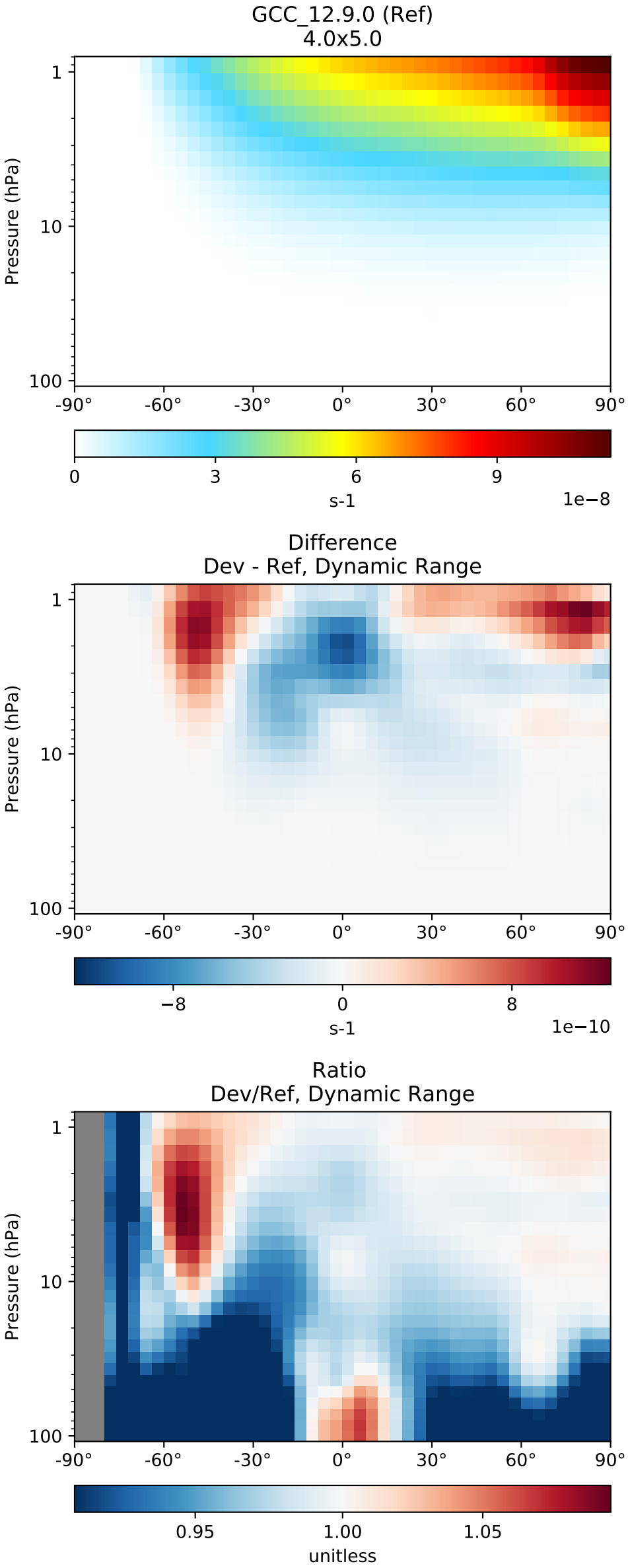


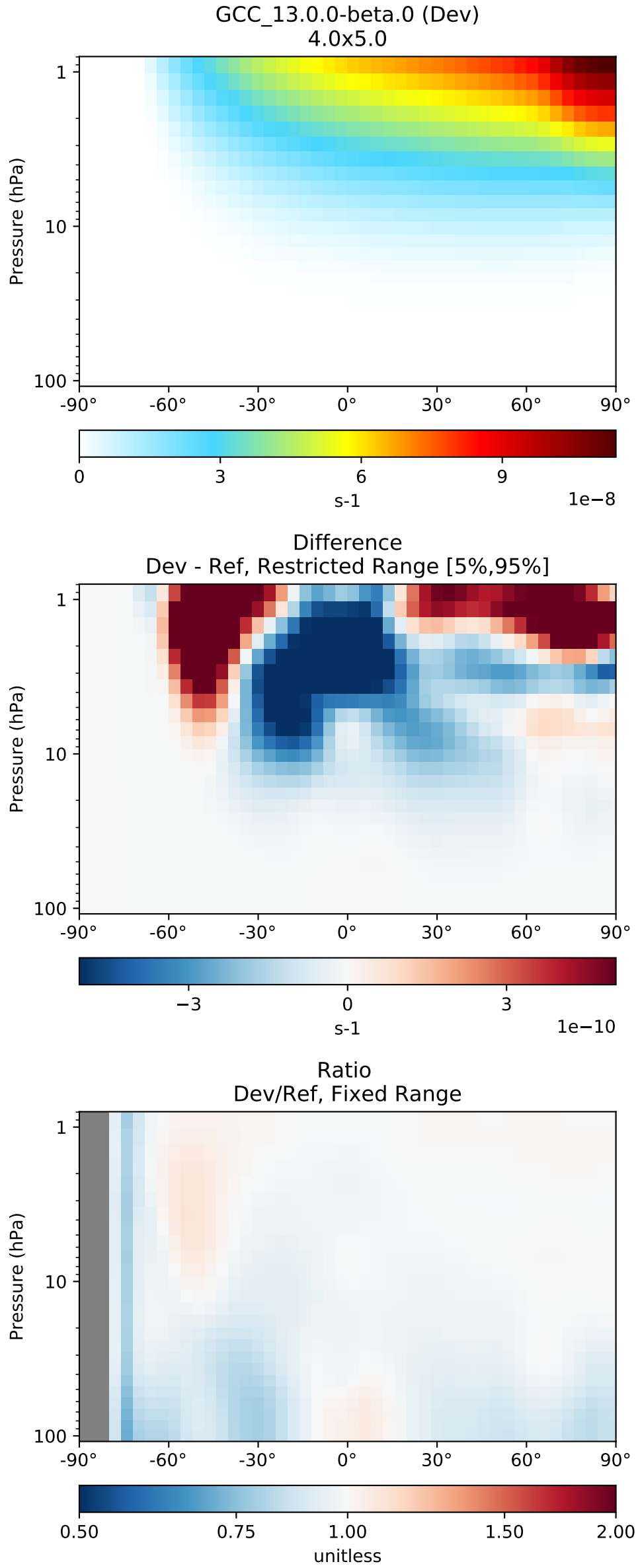
Jval_CFC113, Zonal Mean



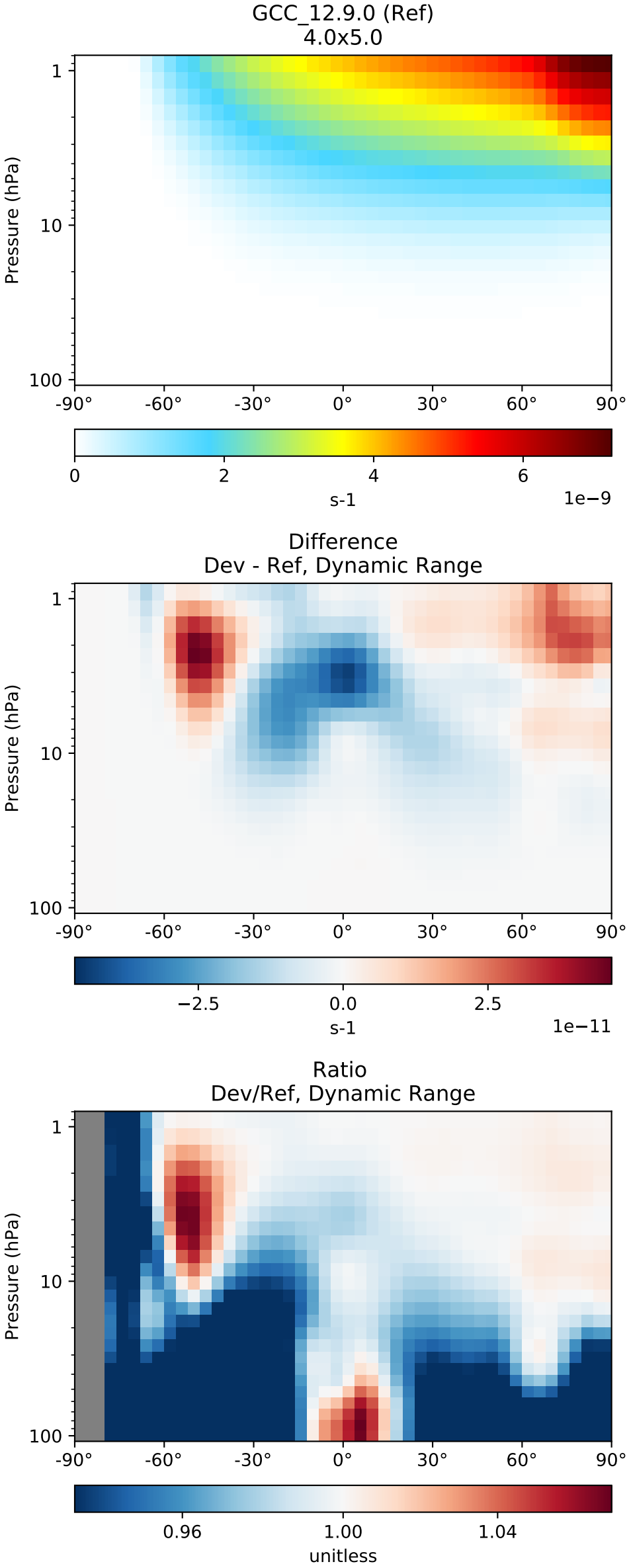


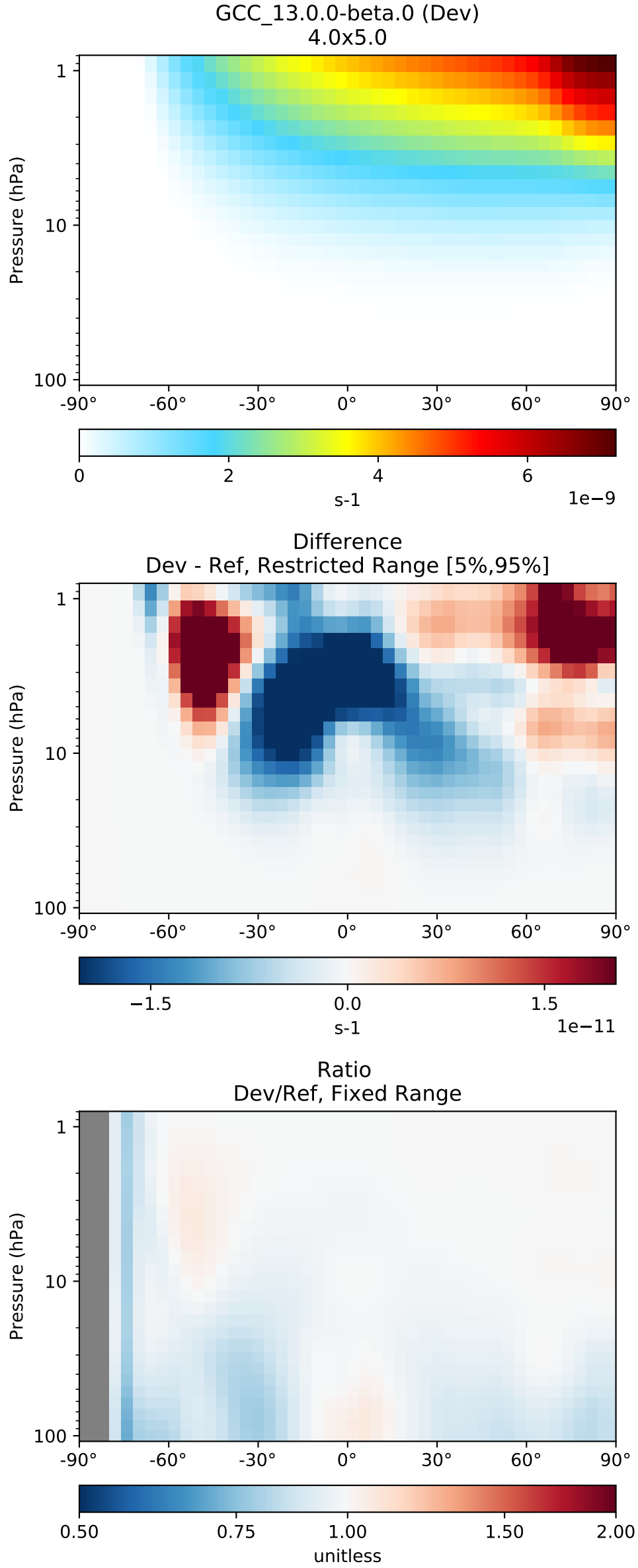
Jval_CFC114, Zonal Mean



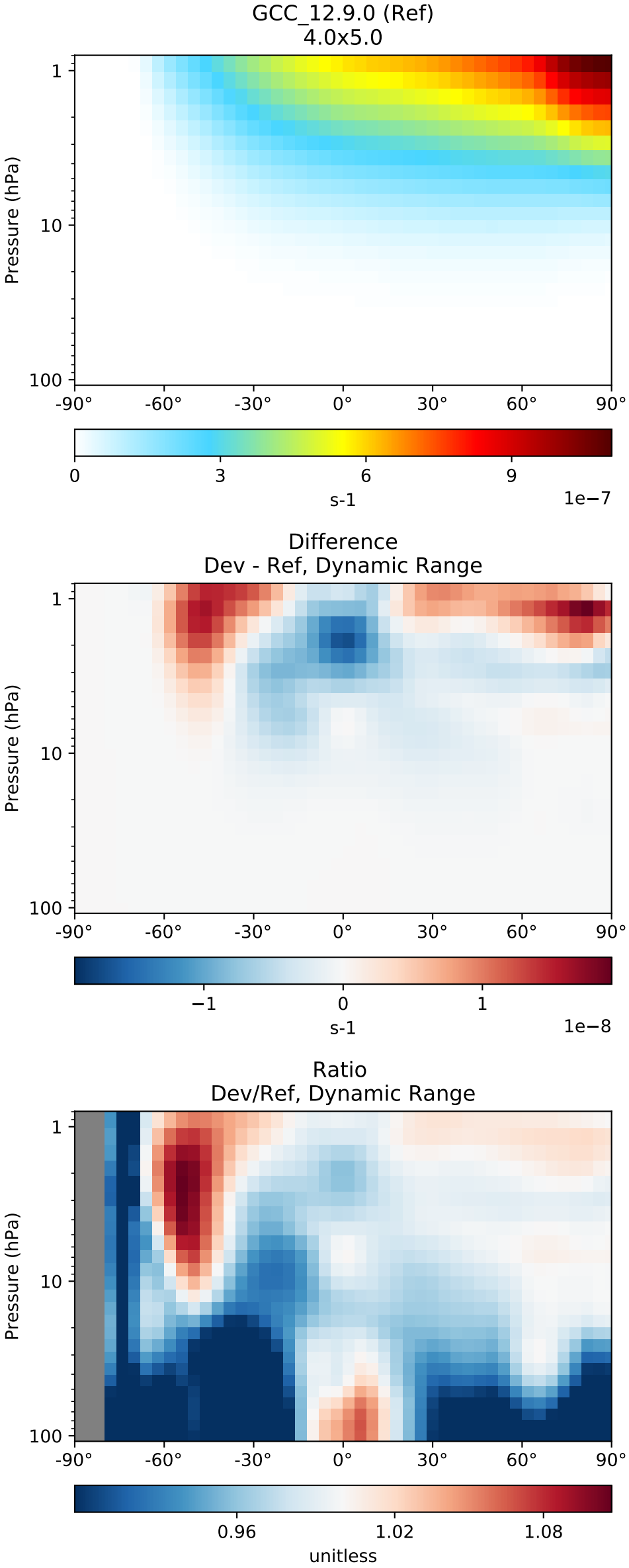


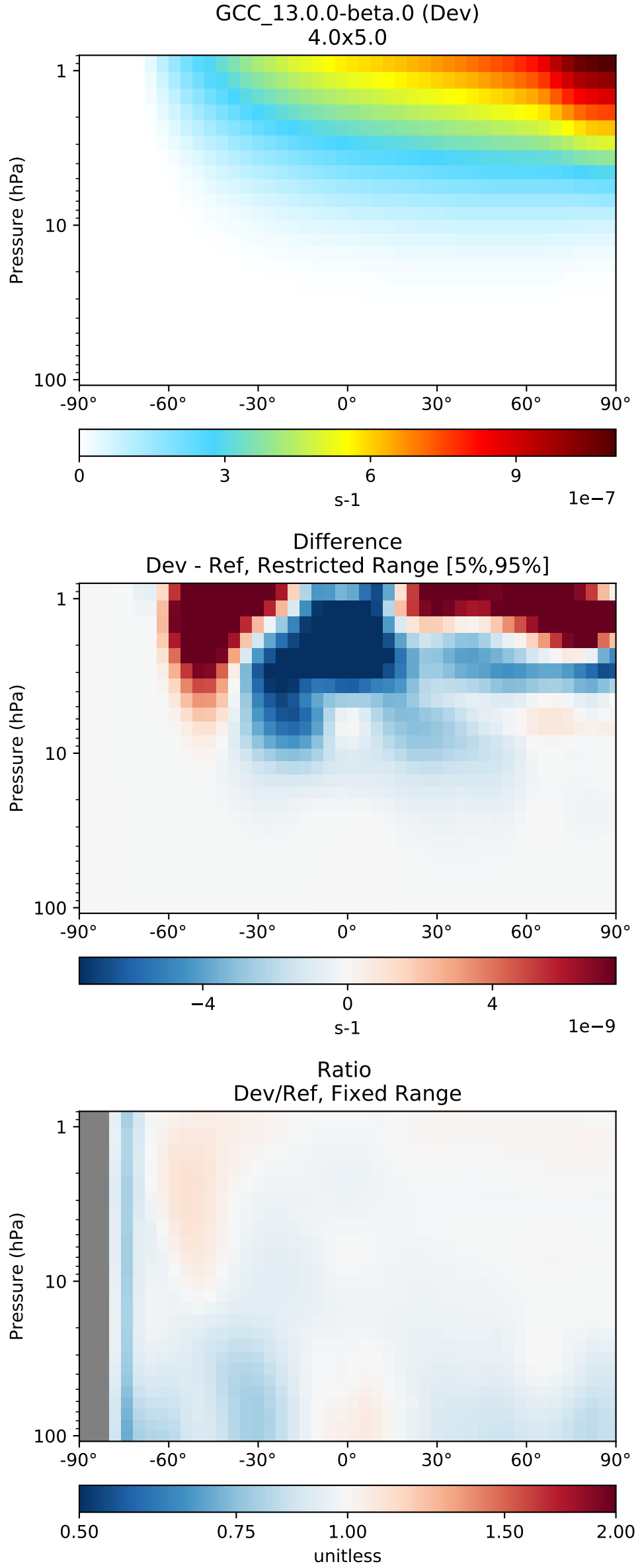
Jval_CFC115, Zonal Mean



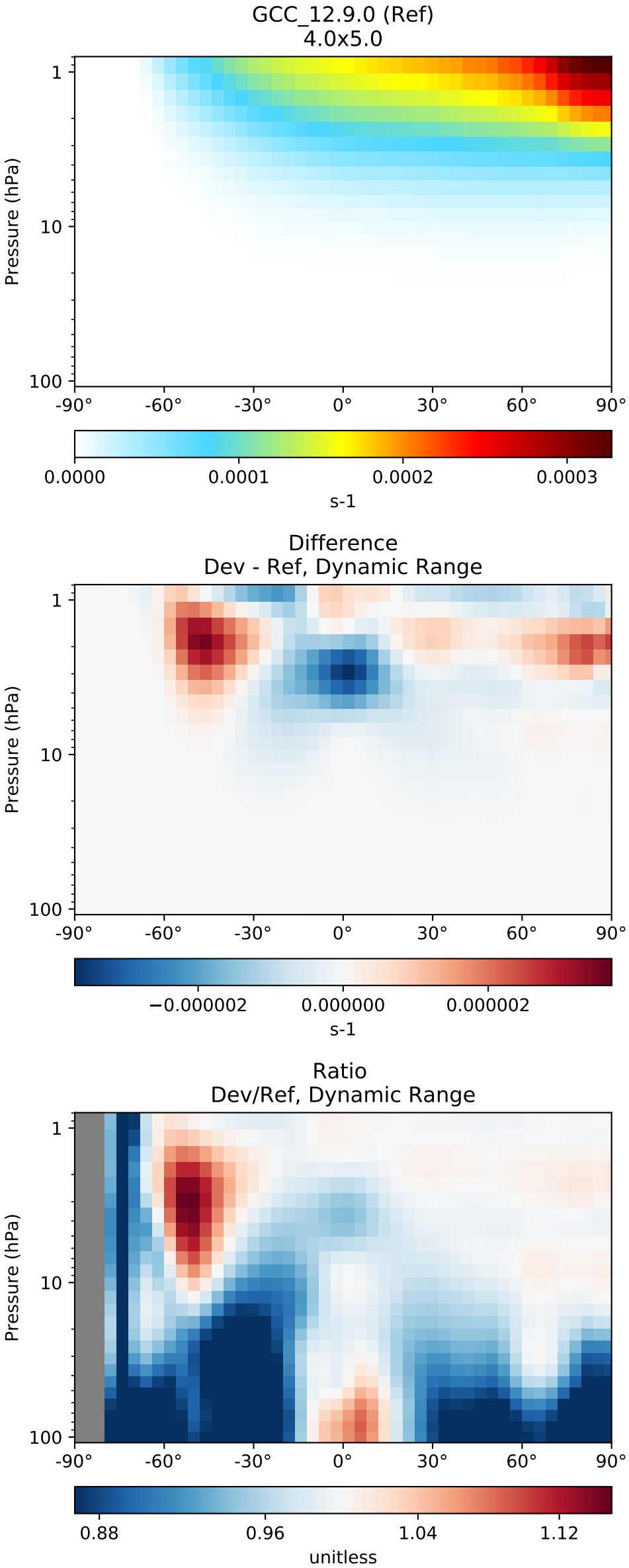


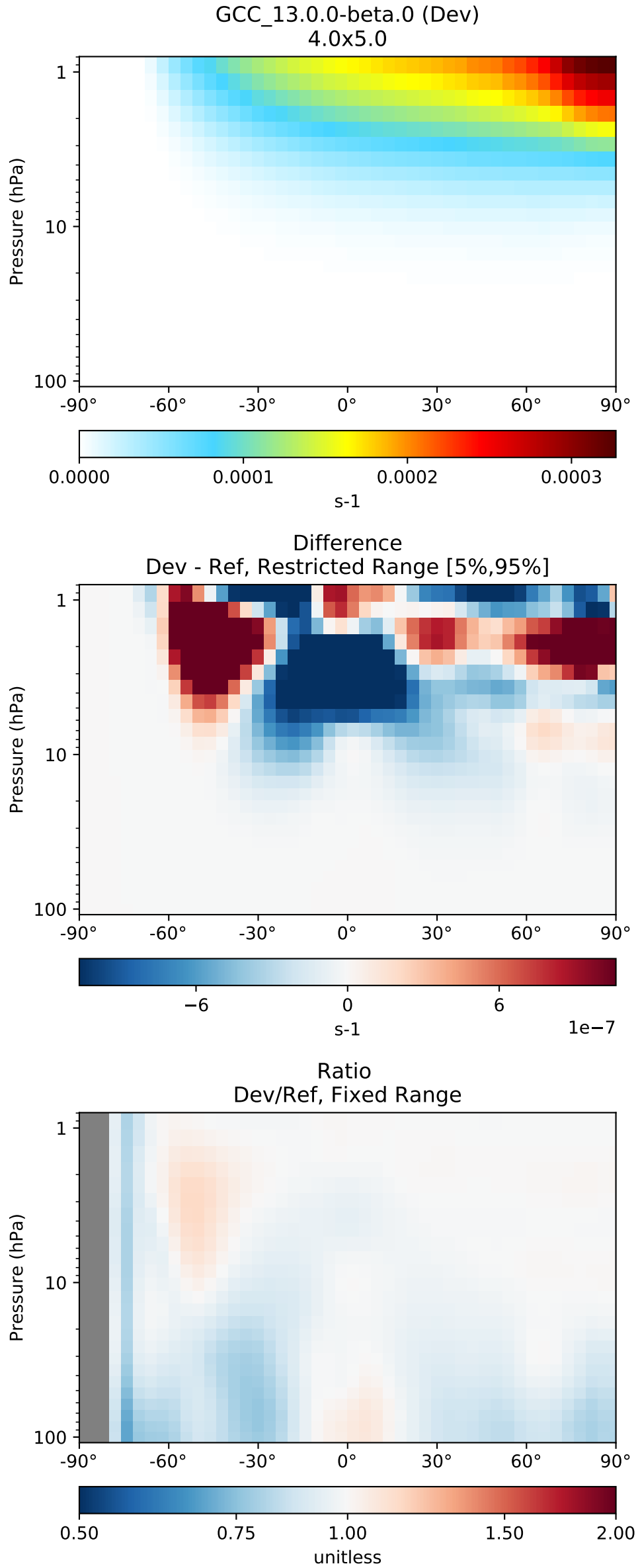
Jval_CFC12, Zonal Mean



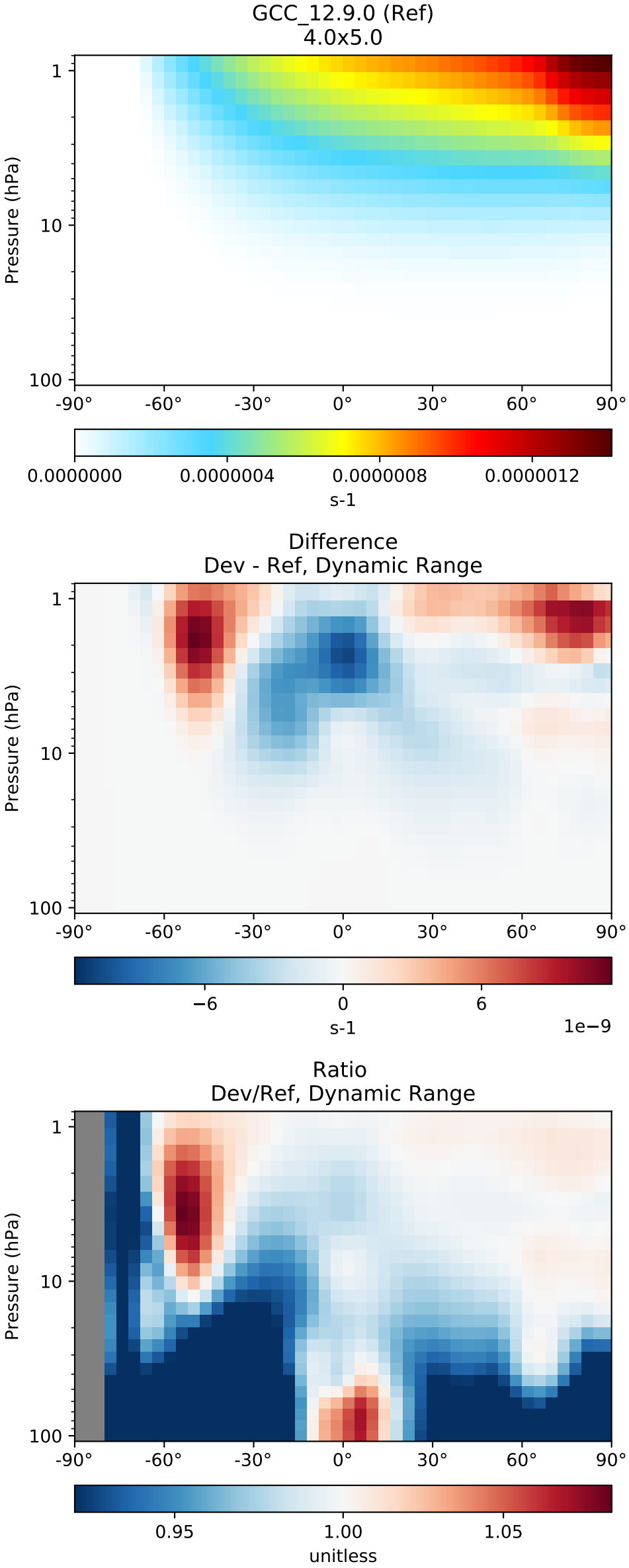


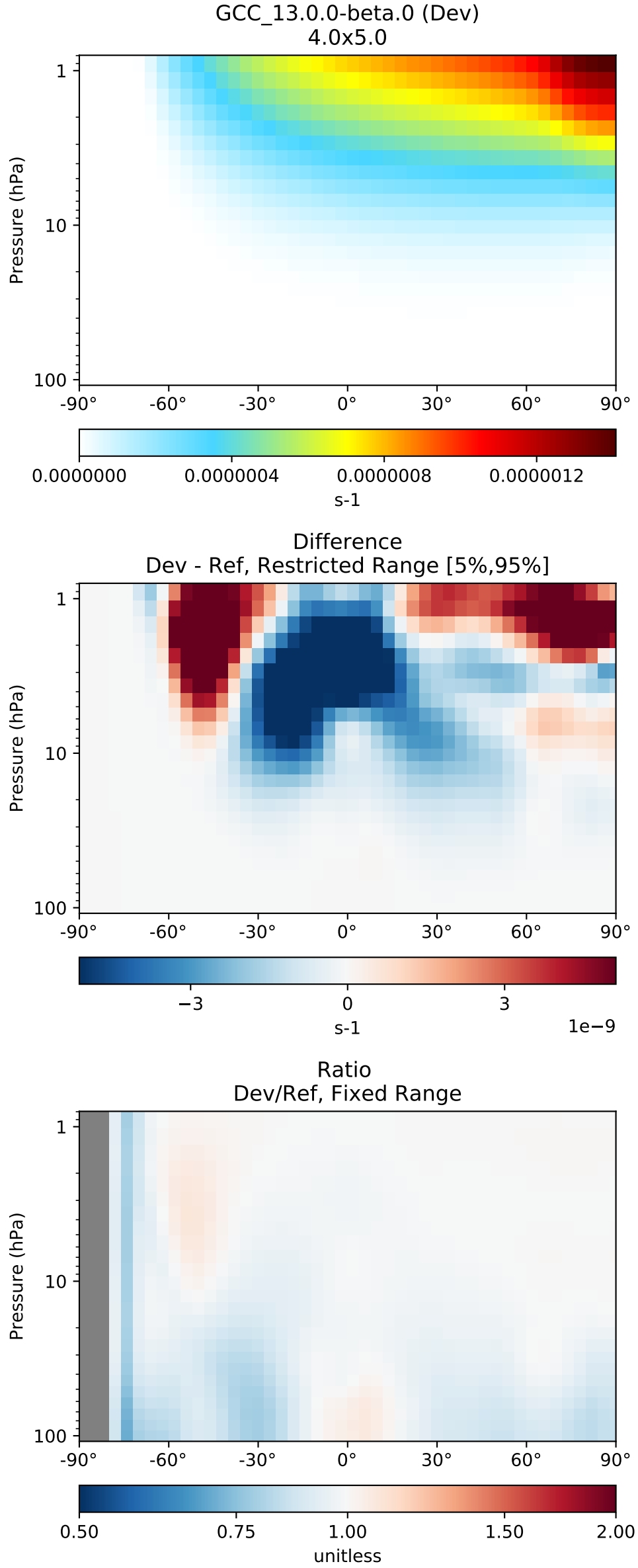
Jval_CH2Br2, Zonal Mean



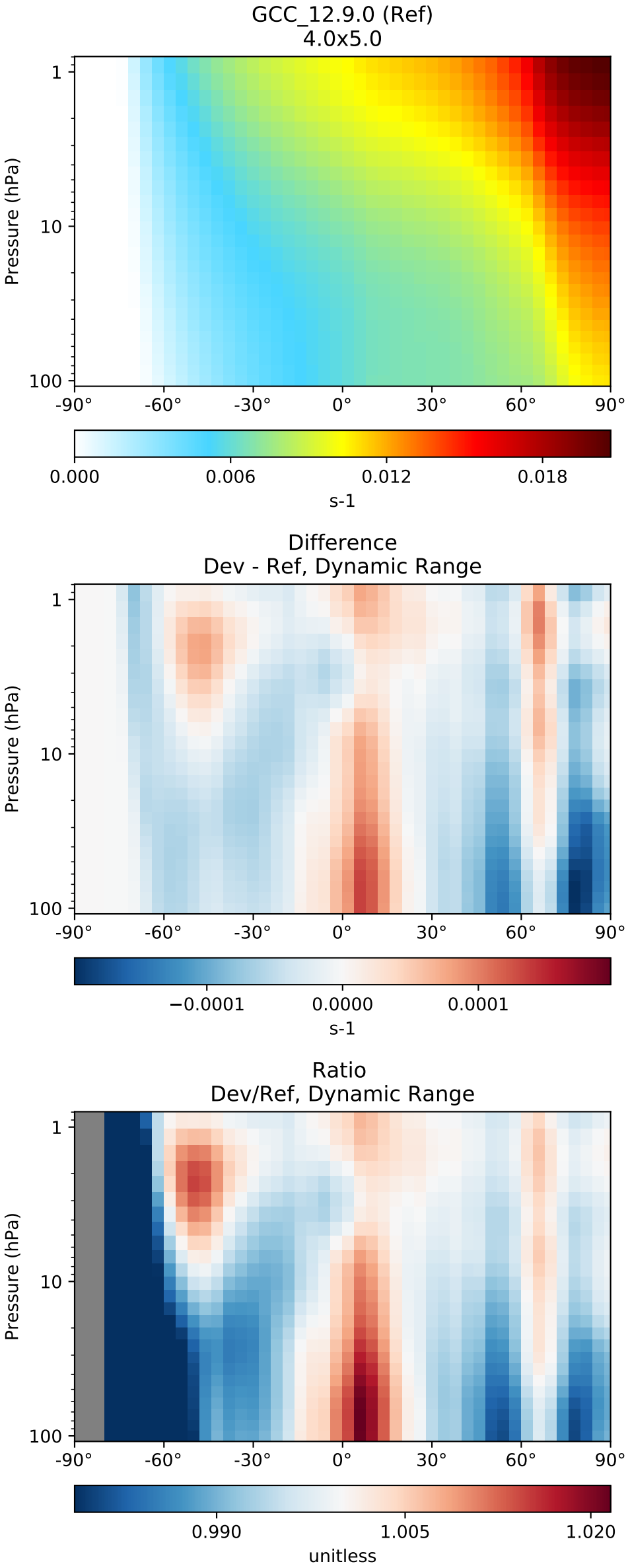


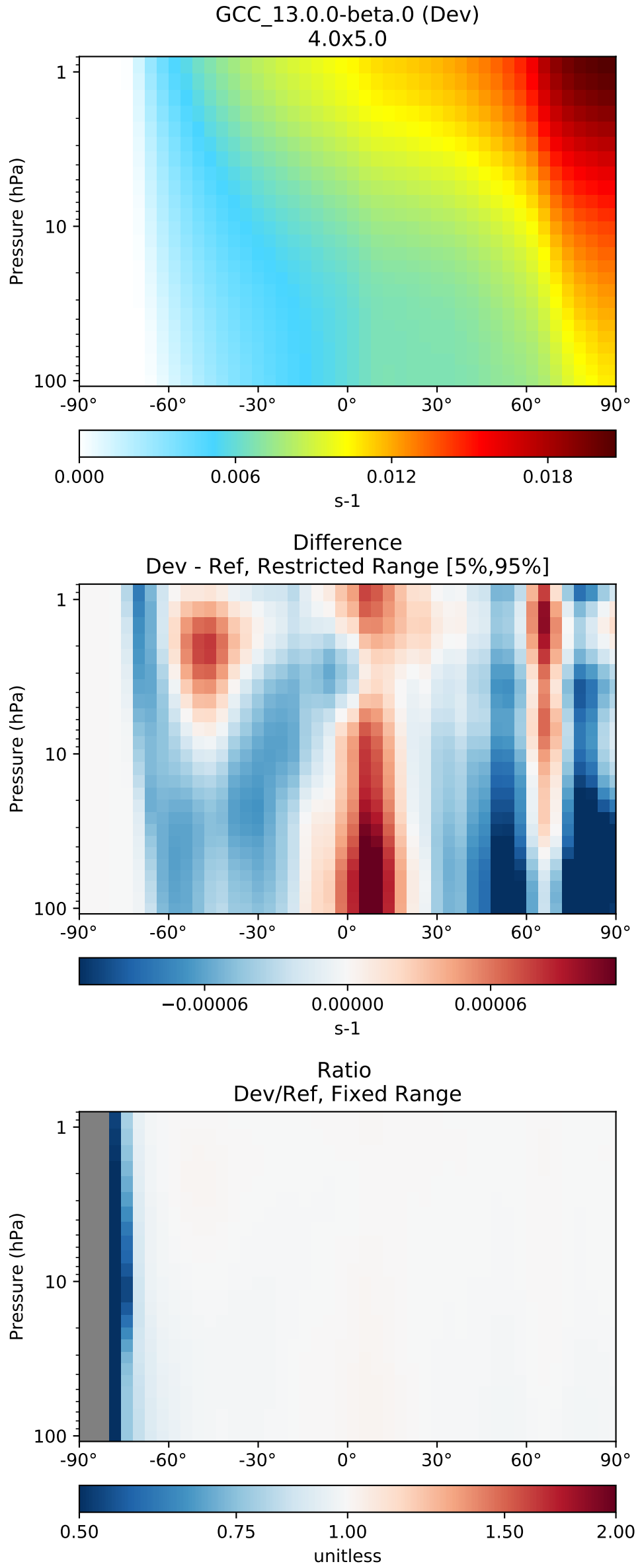
Jval_CH2Cl2, Zonal Mean



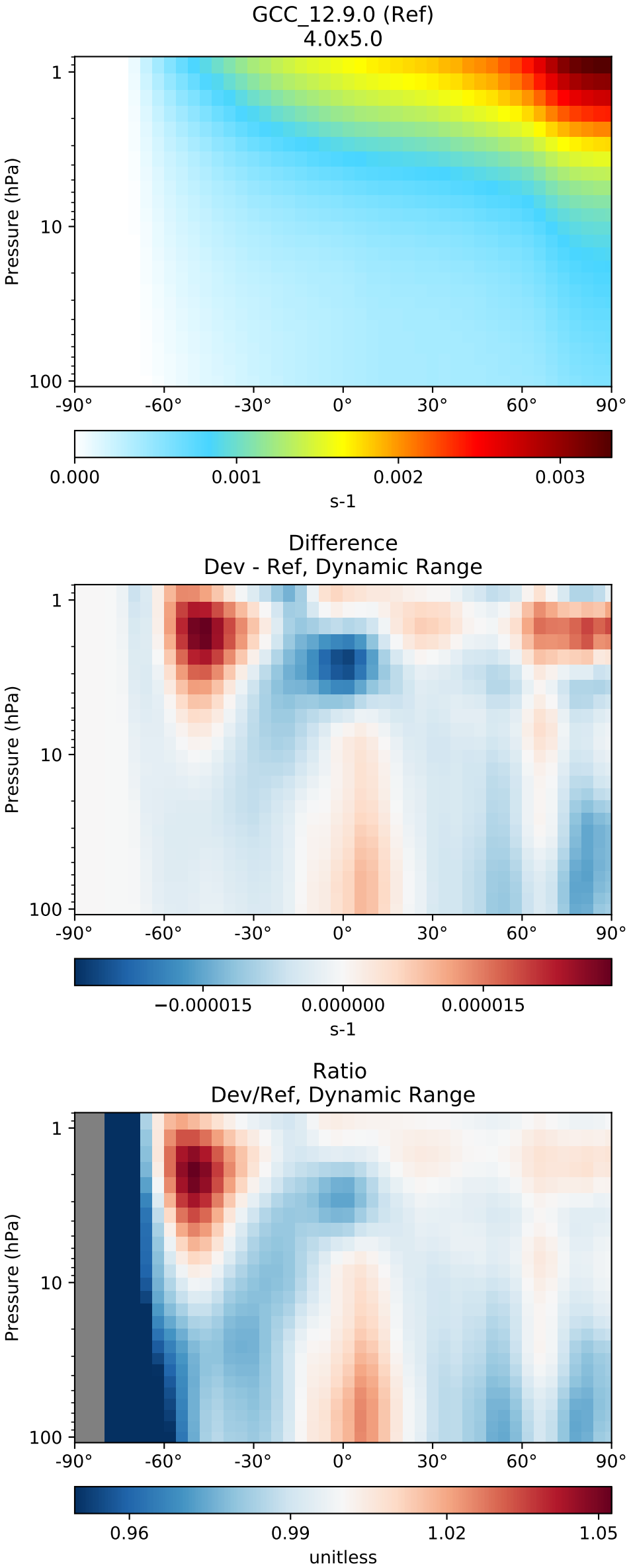


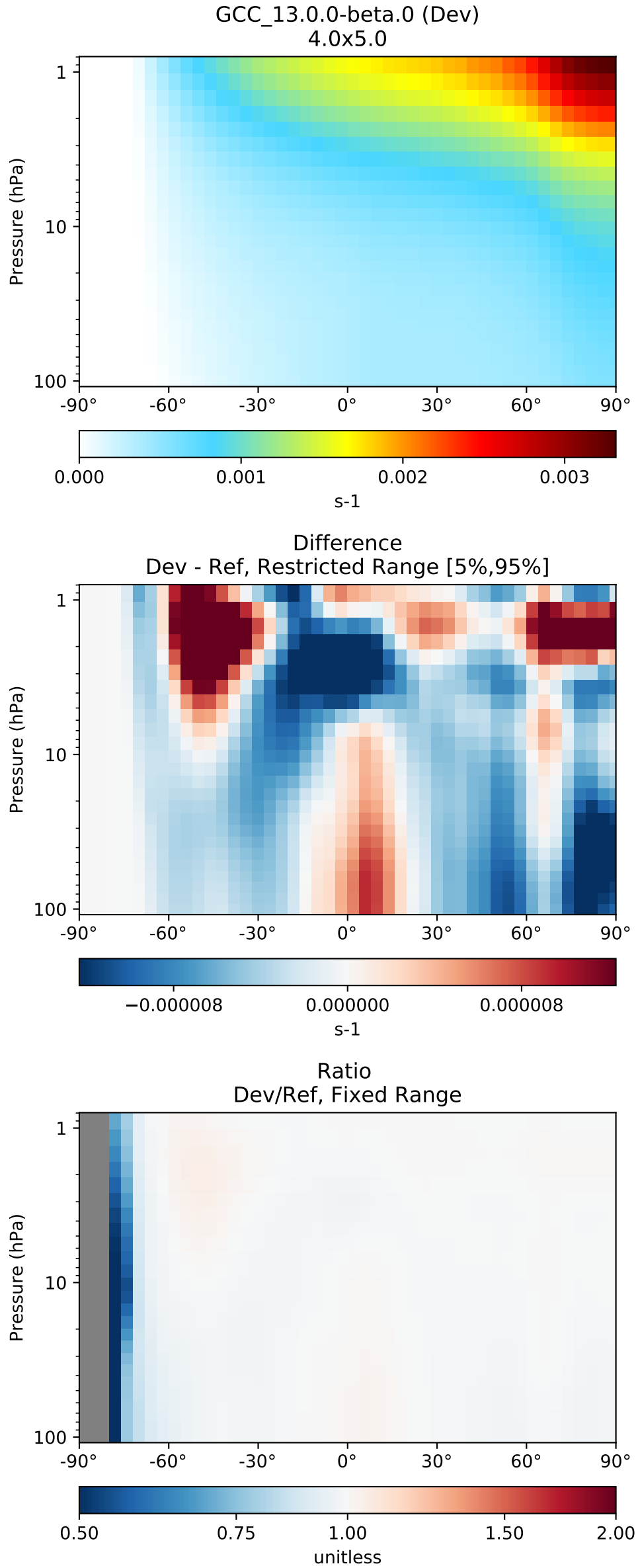
Jval_CH2I2, Zonal Mean



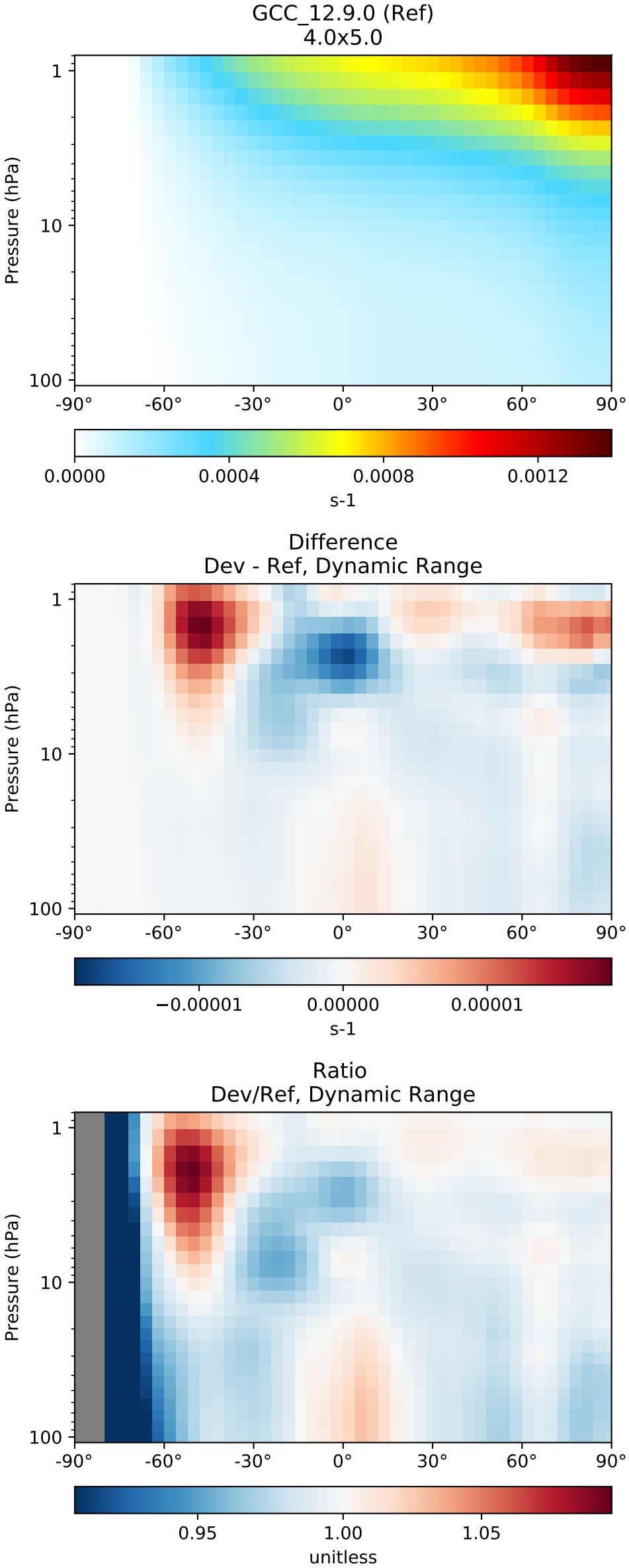


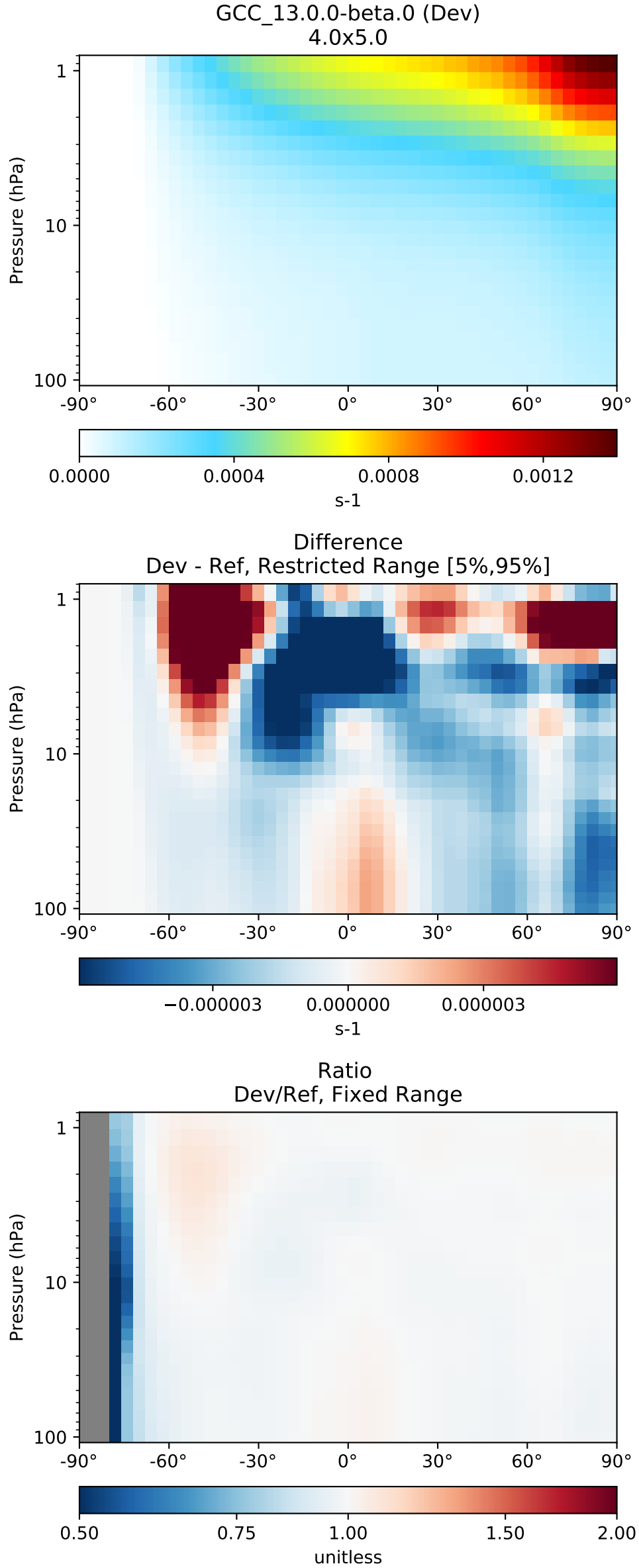
Jval_CH2IBr, Zonal Mean



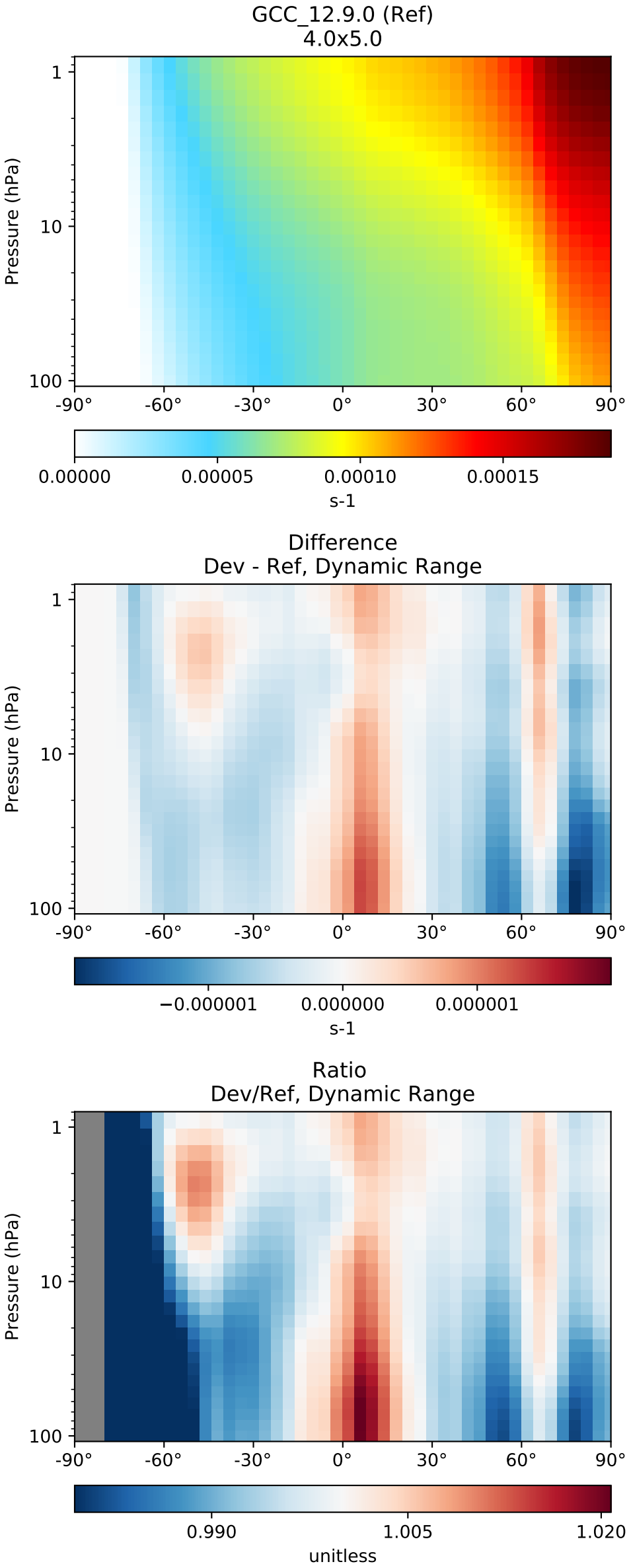


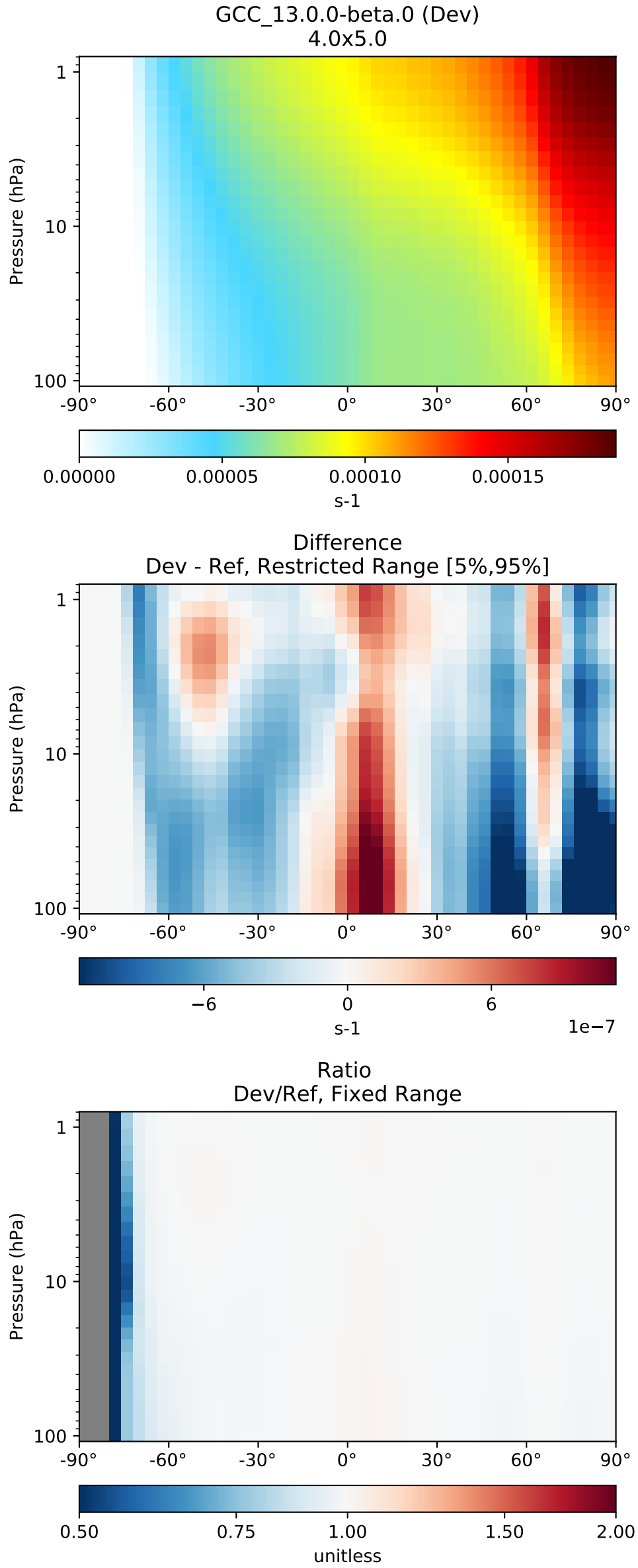
Jval_CH2ICl, Zonal Mean



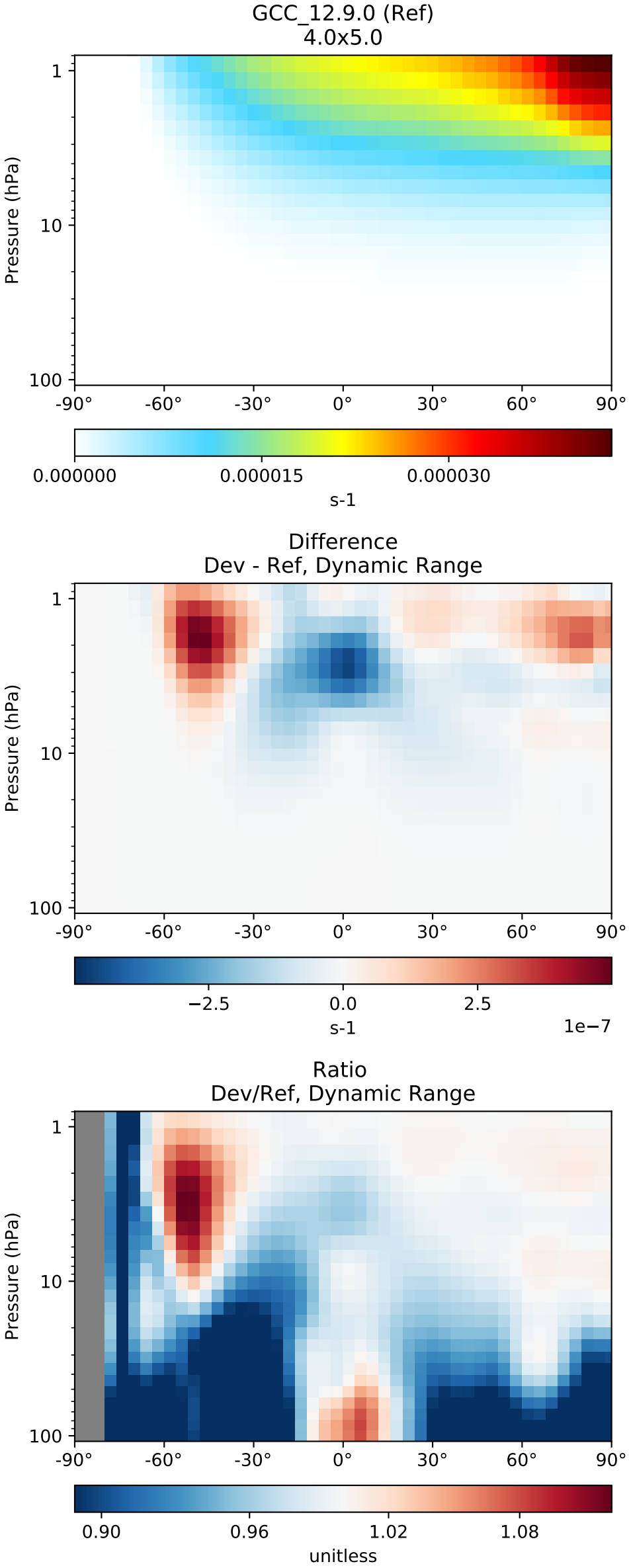


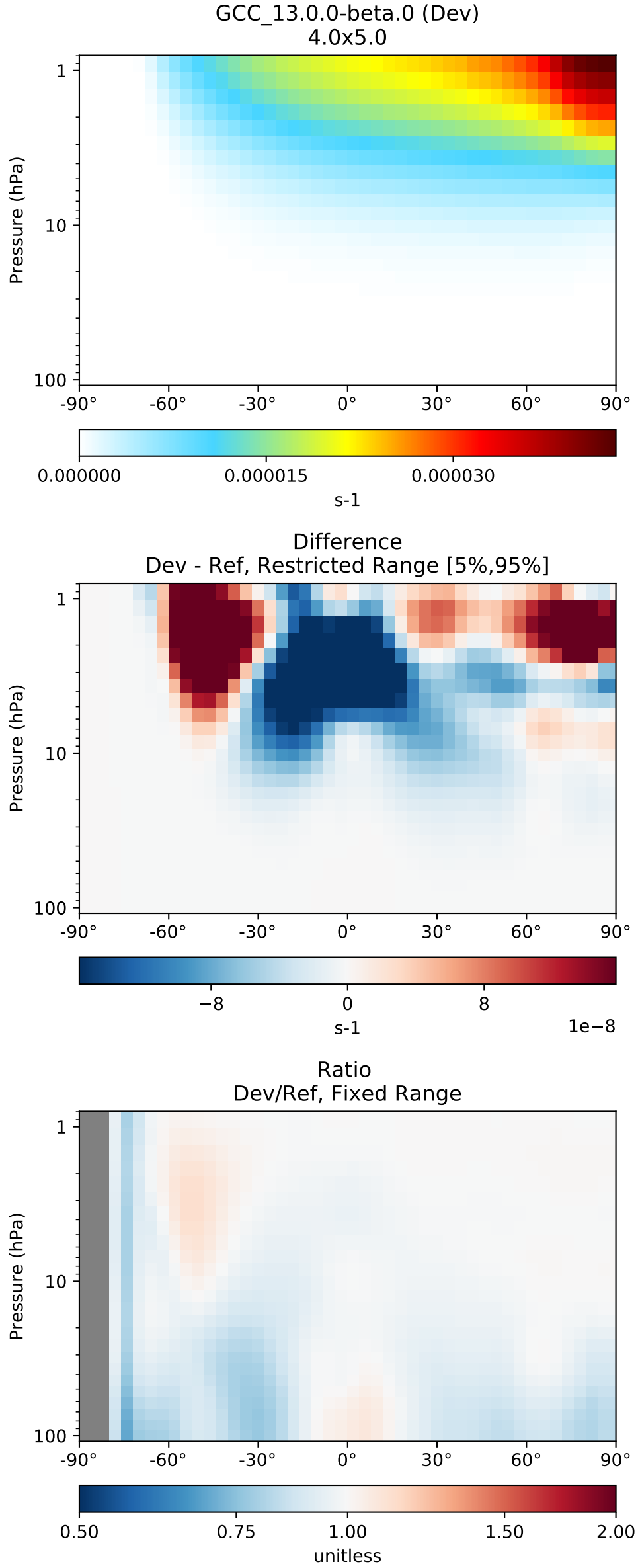
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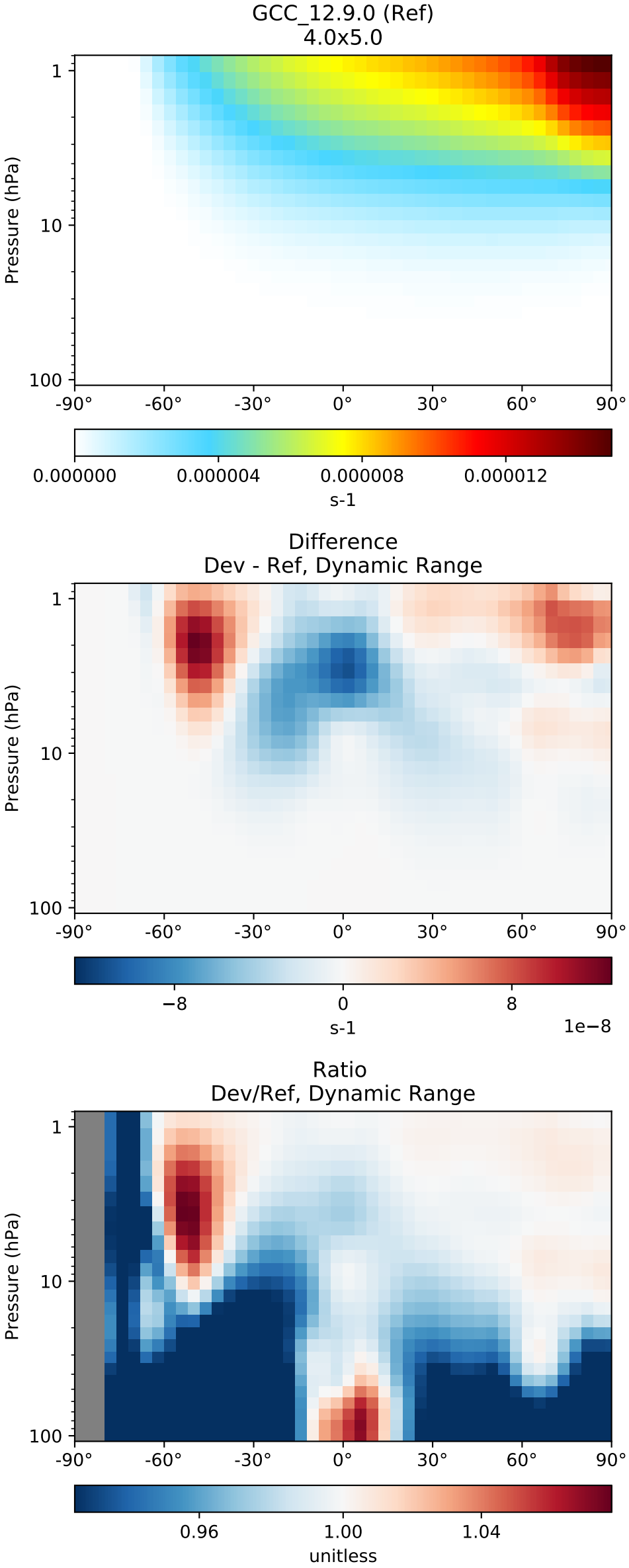


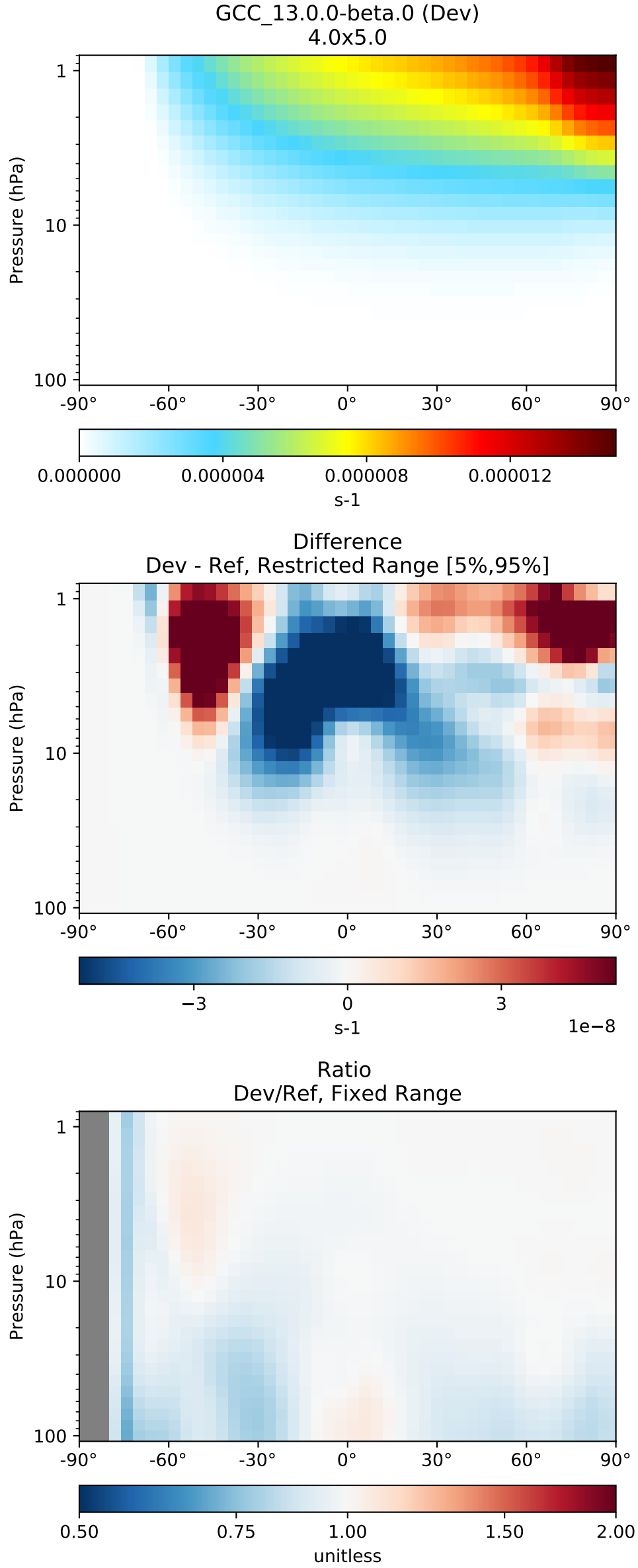
Jval_CH3Br, Zonal Mean



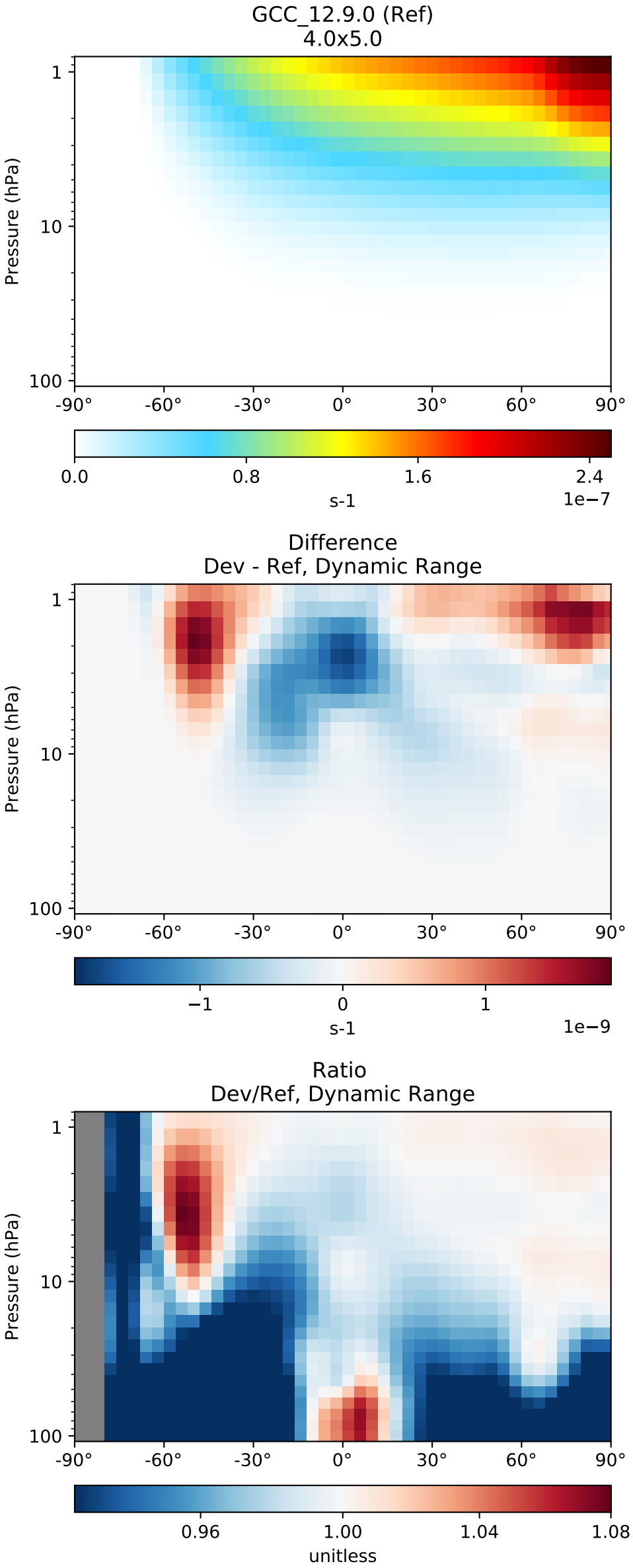


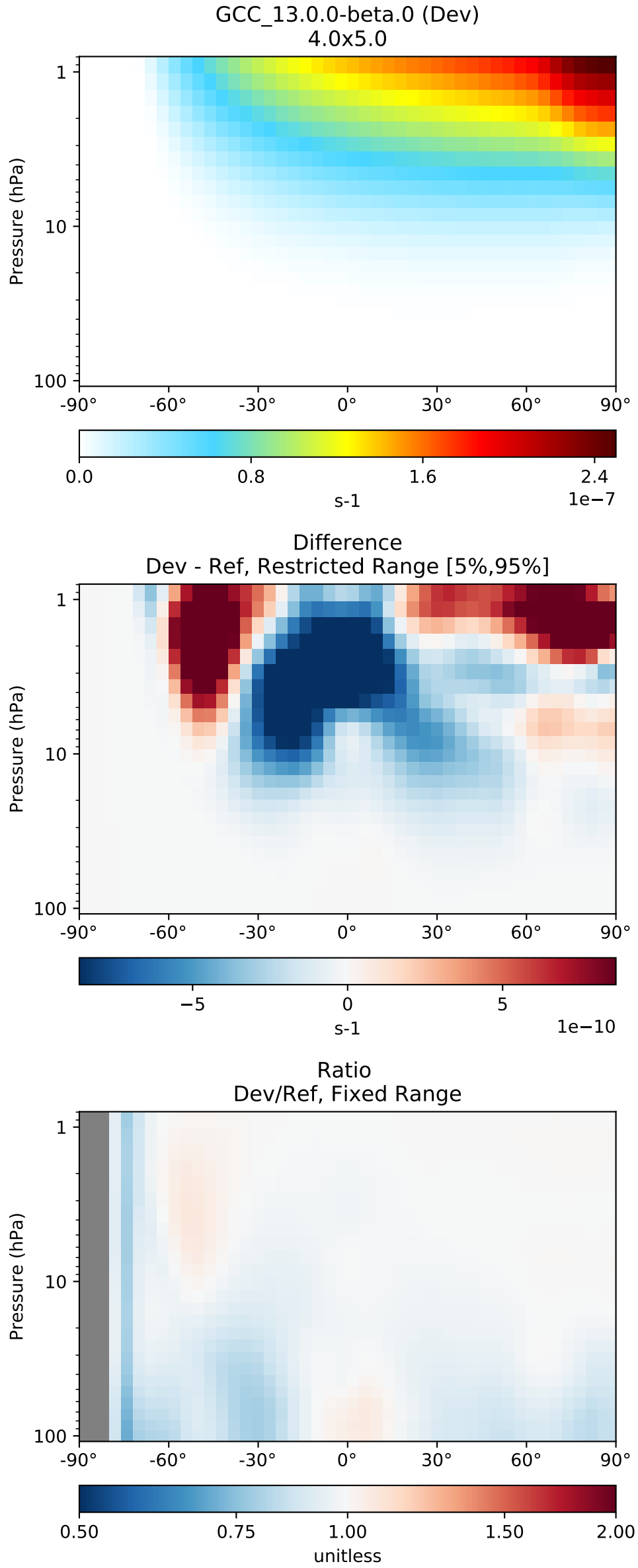
Jval_CH3CCl3, Zonal Mean



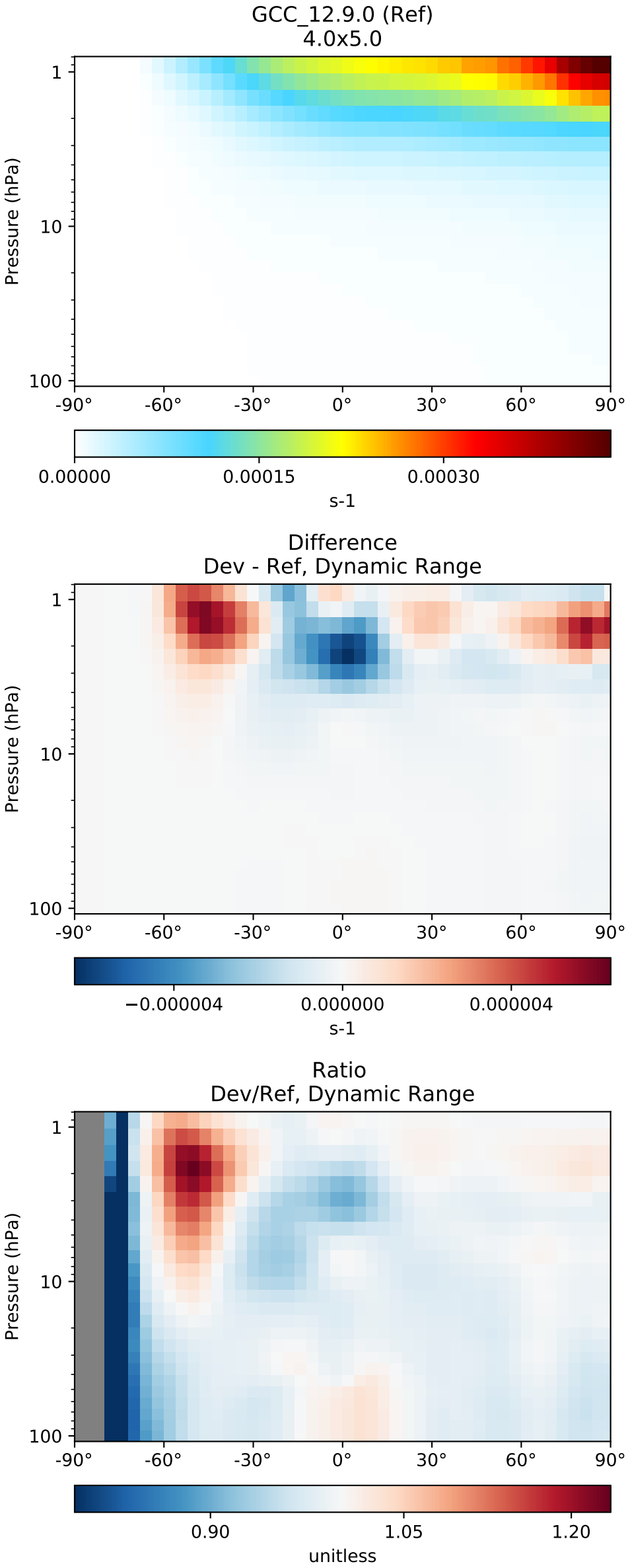


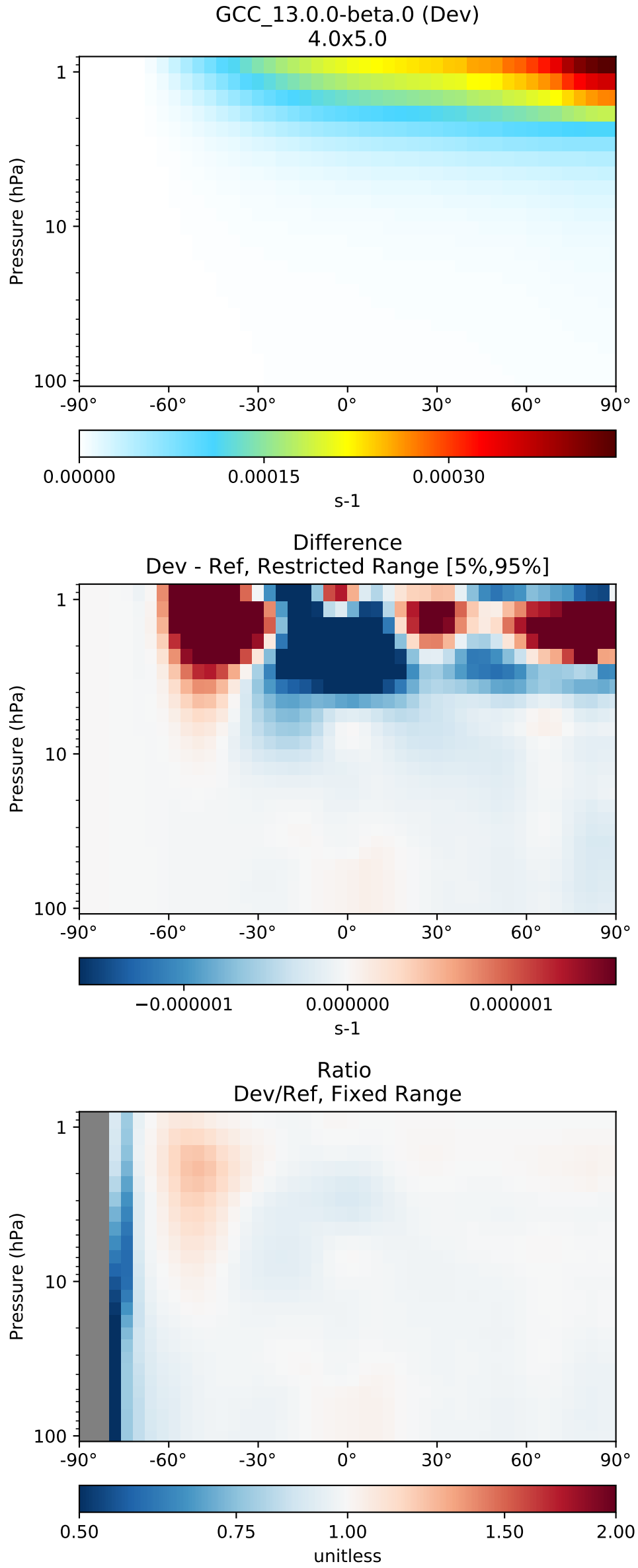
Jval_CH3Cl, Zonal Mean



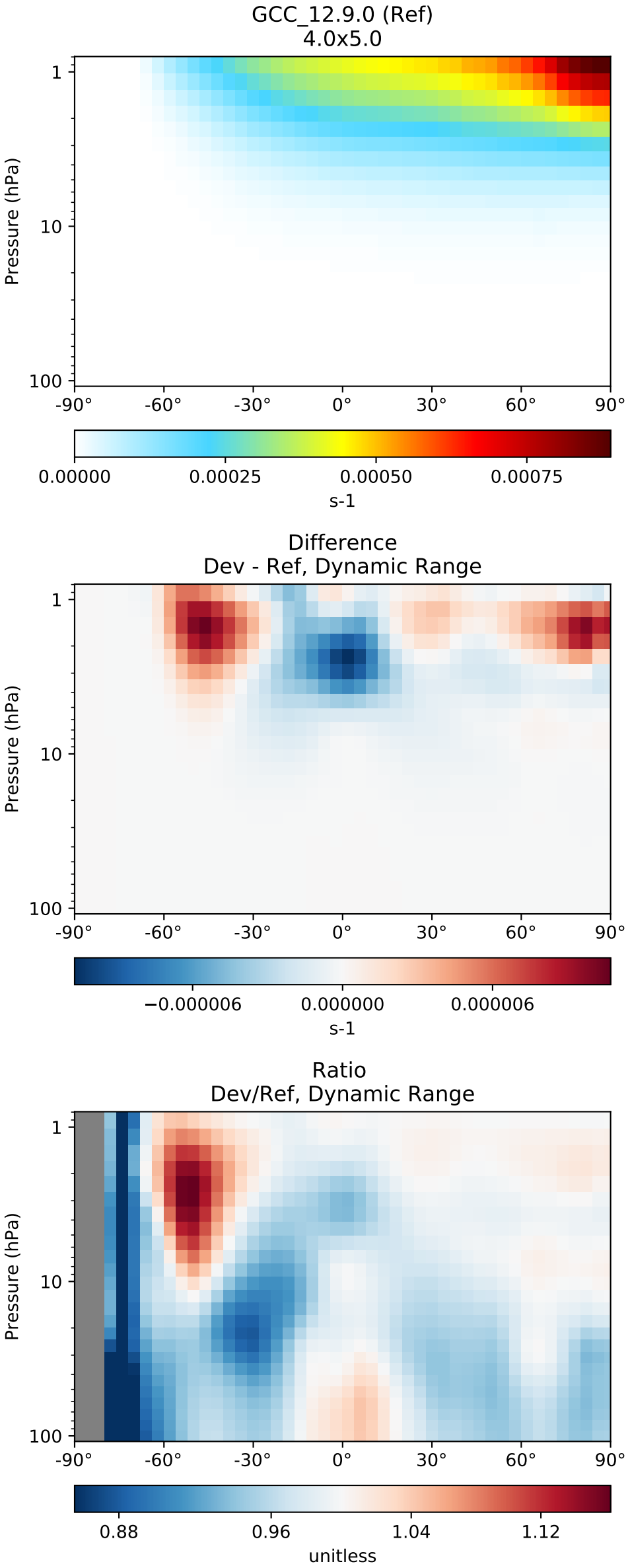


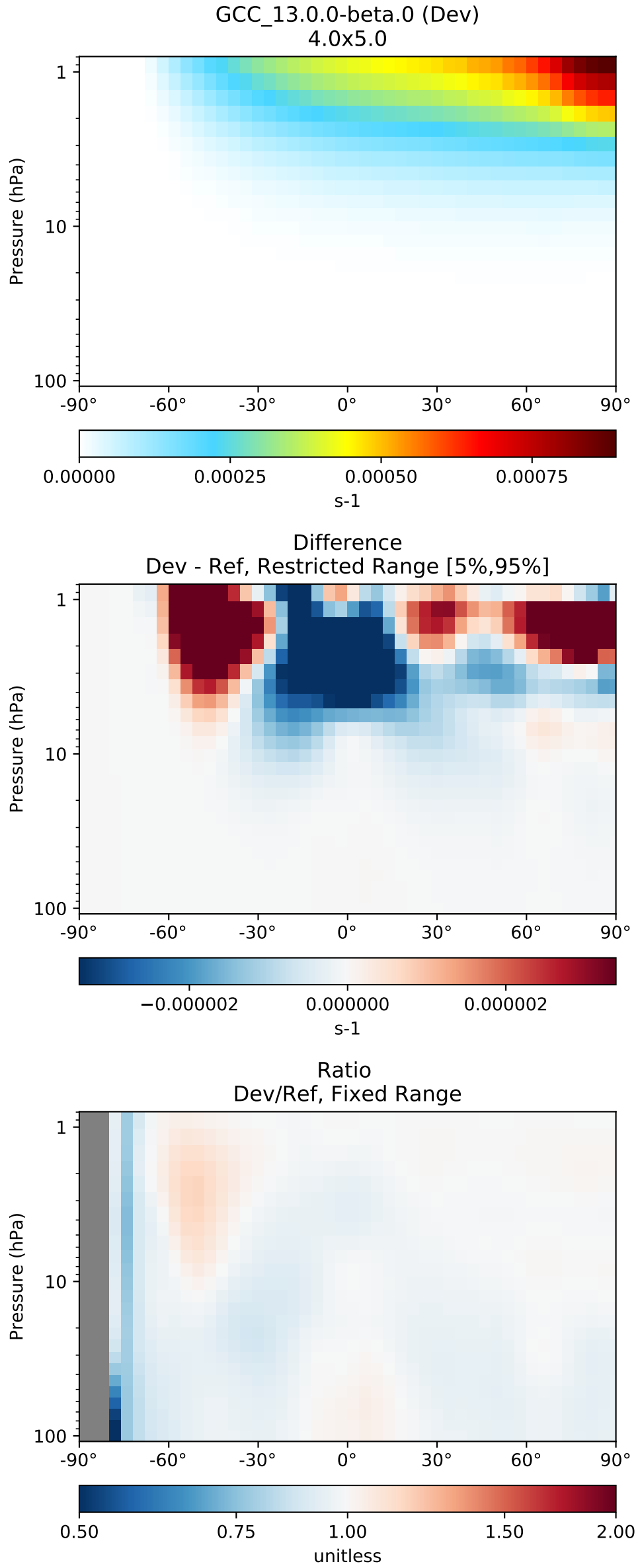
Jval_CH3I, Zonal Mean



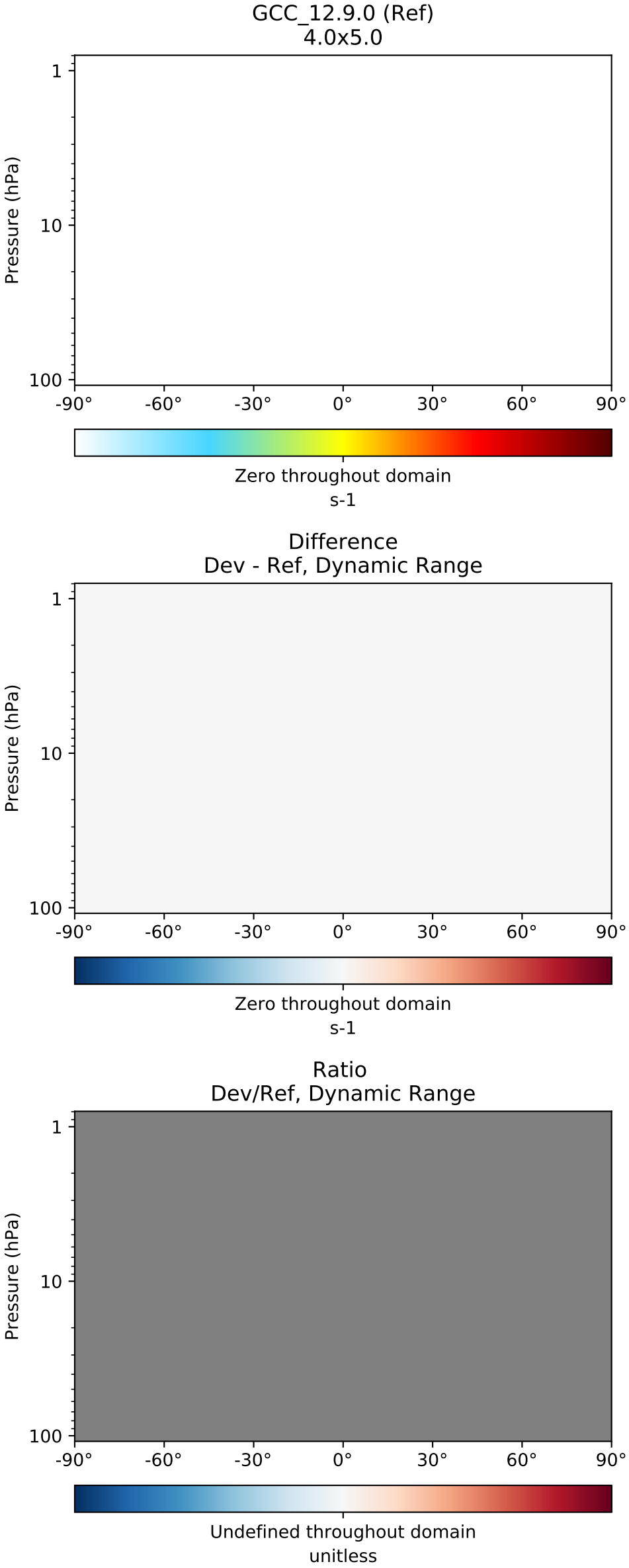


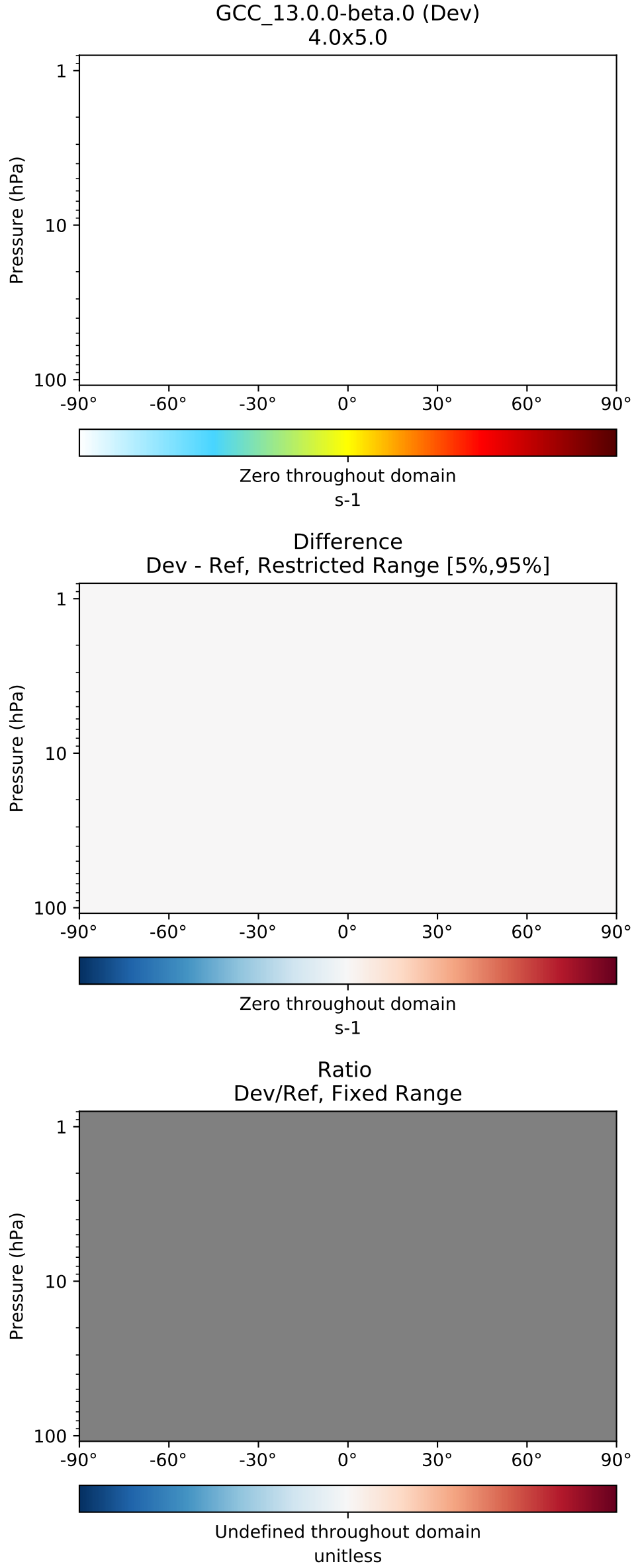
Jval_CHBr3, Zonal Mean



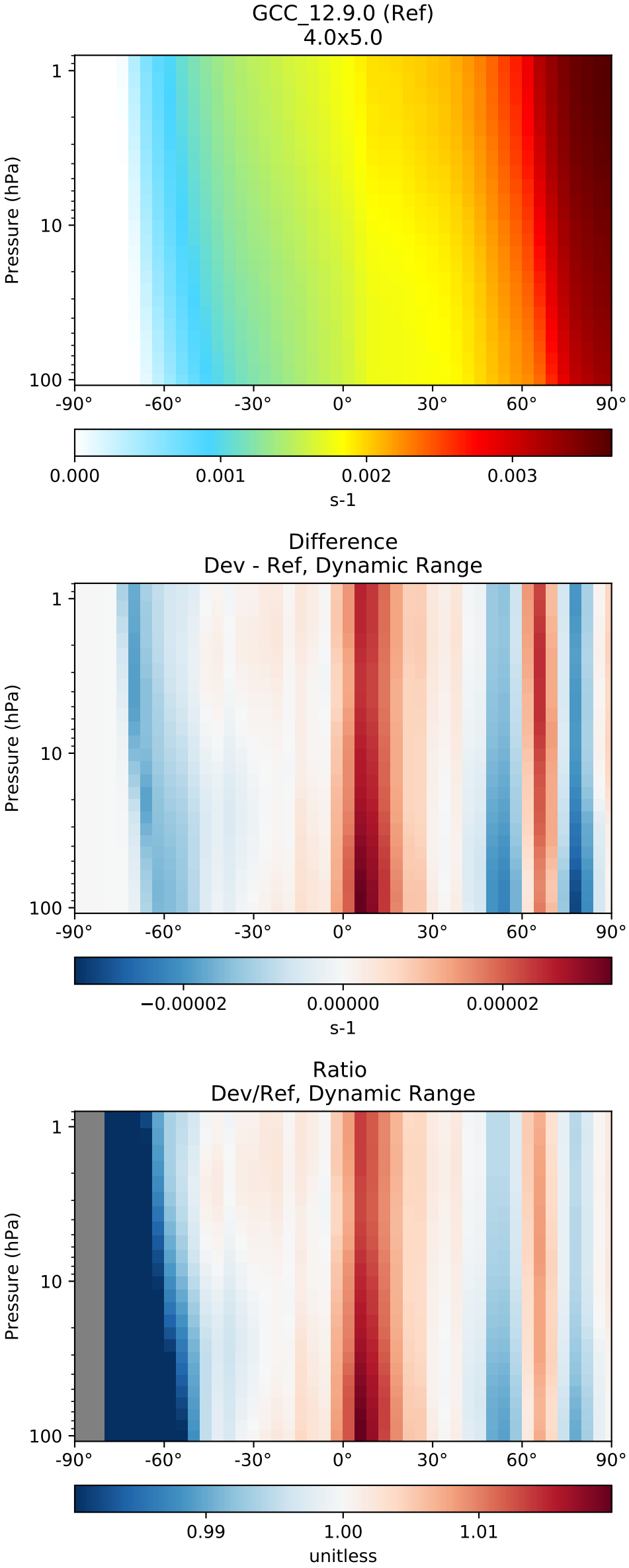


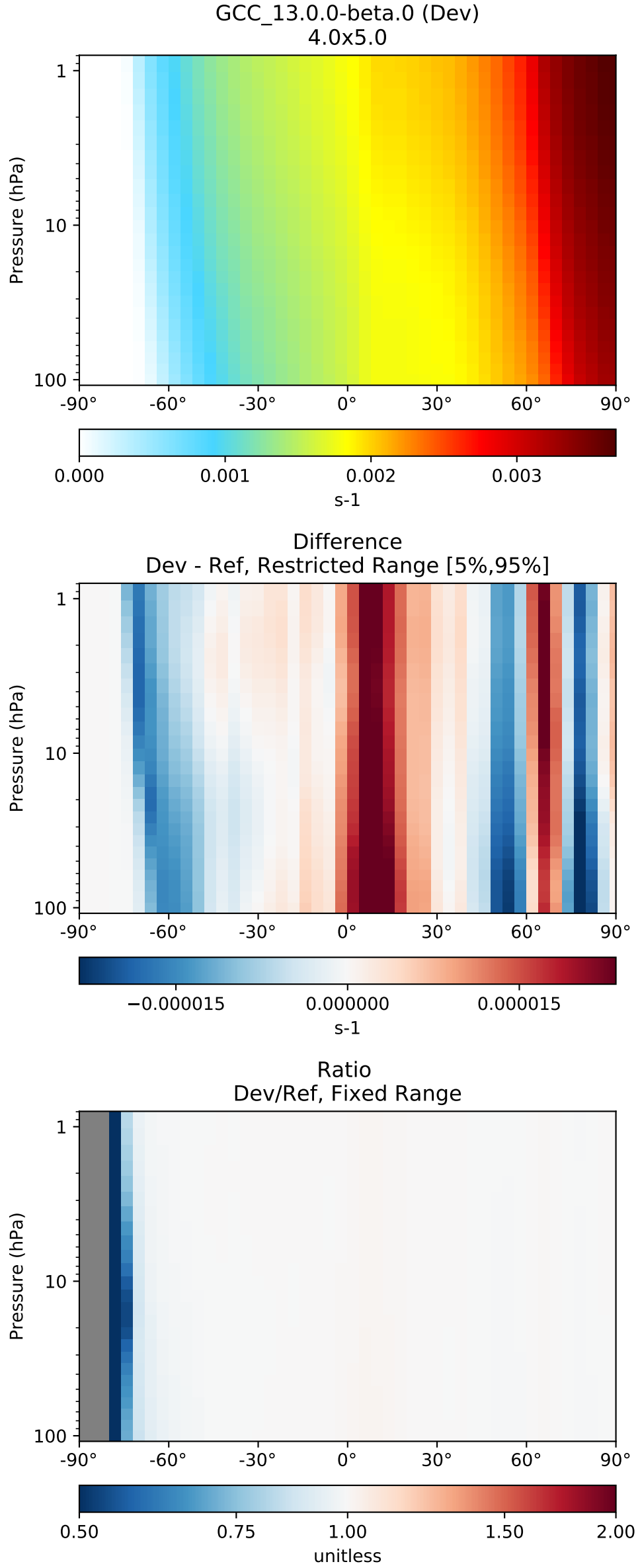
Jval_CHCl3, Zonal Mean



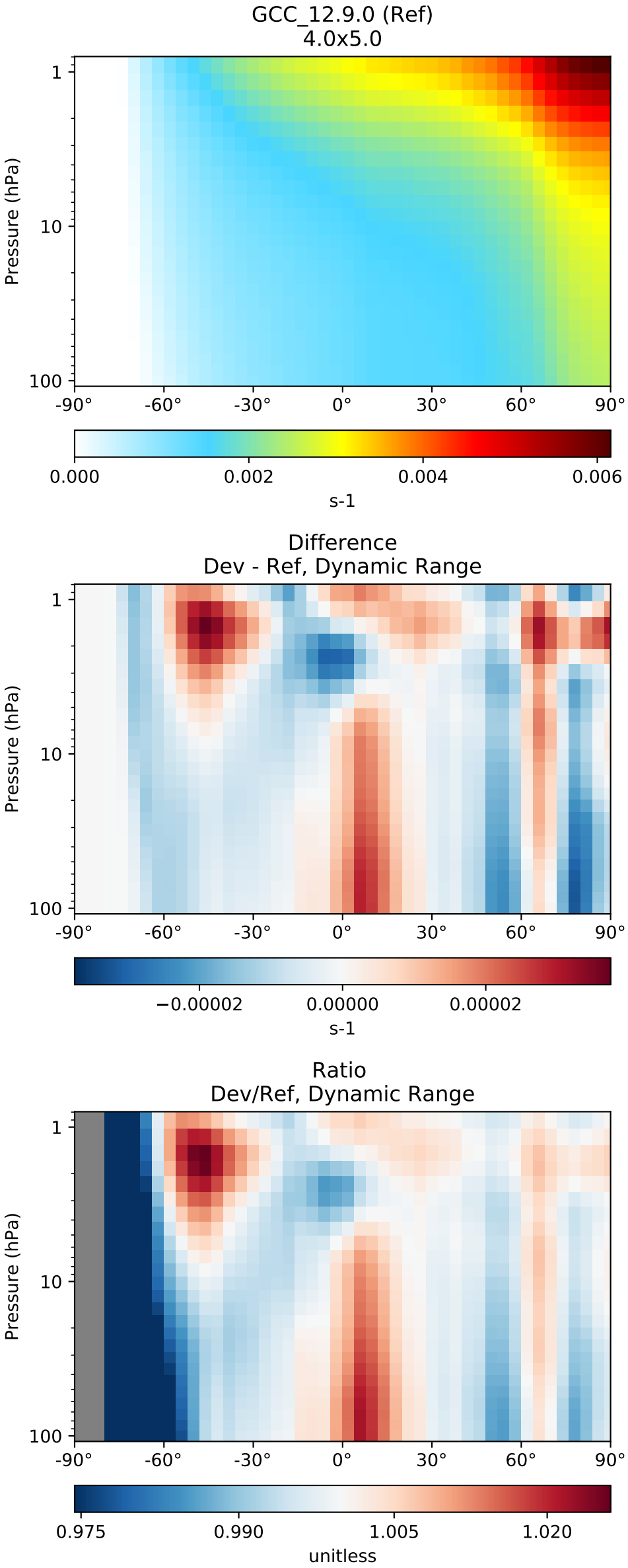


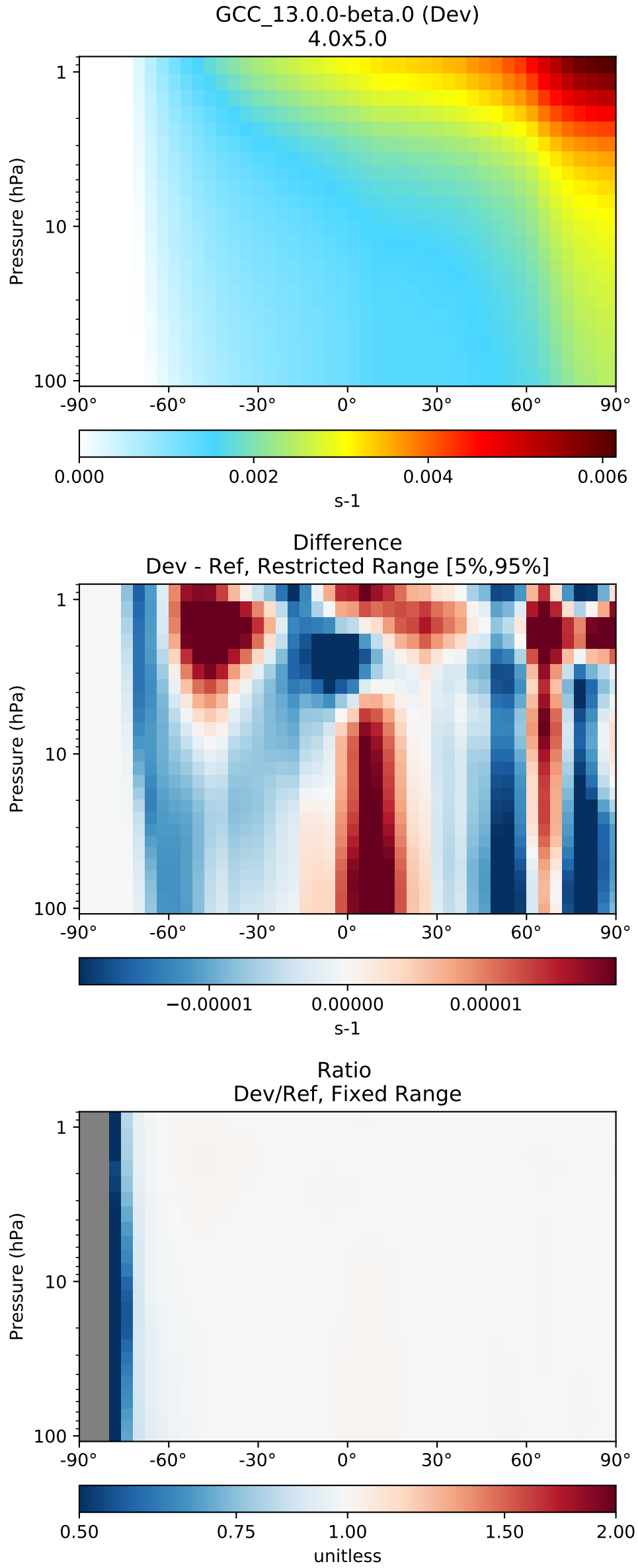
Jval_Cl2, Zonal Mean



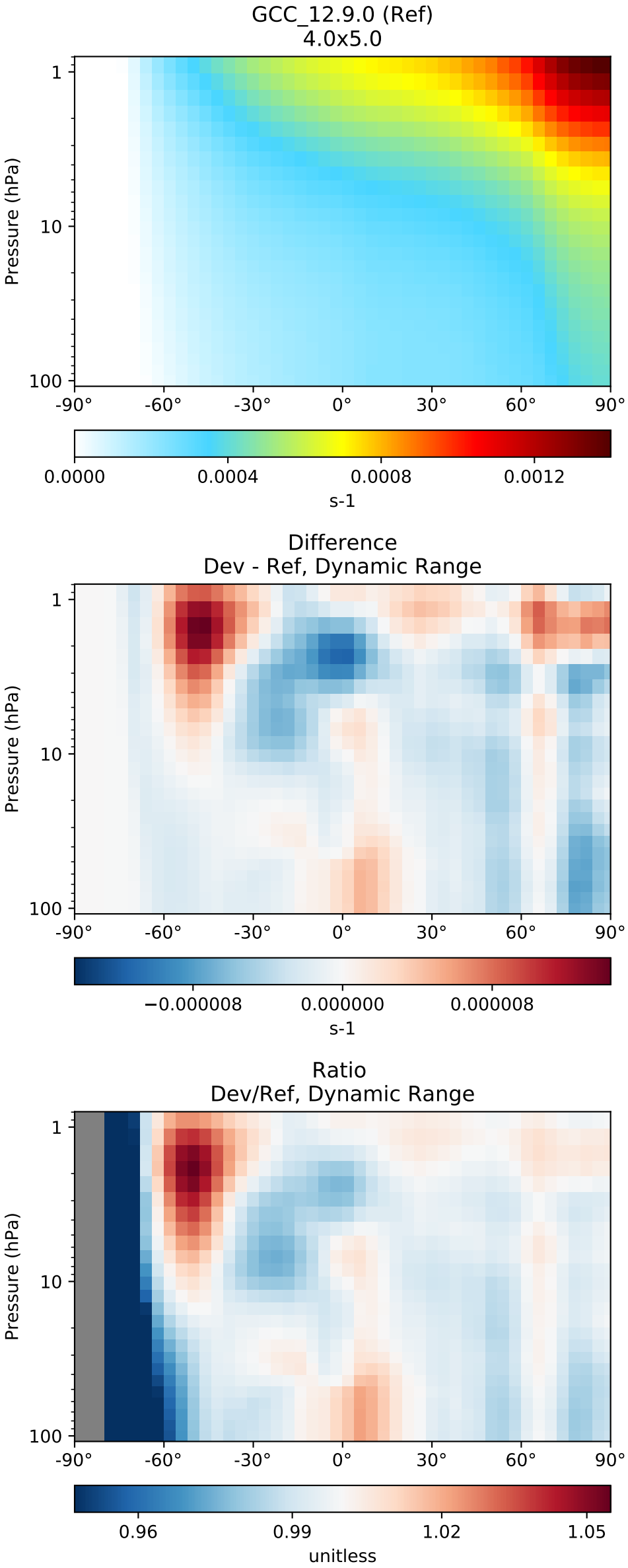


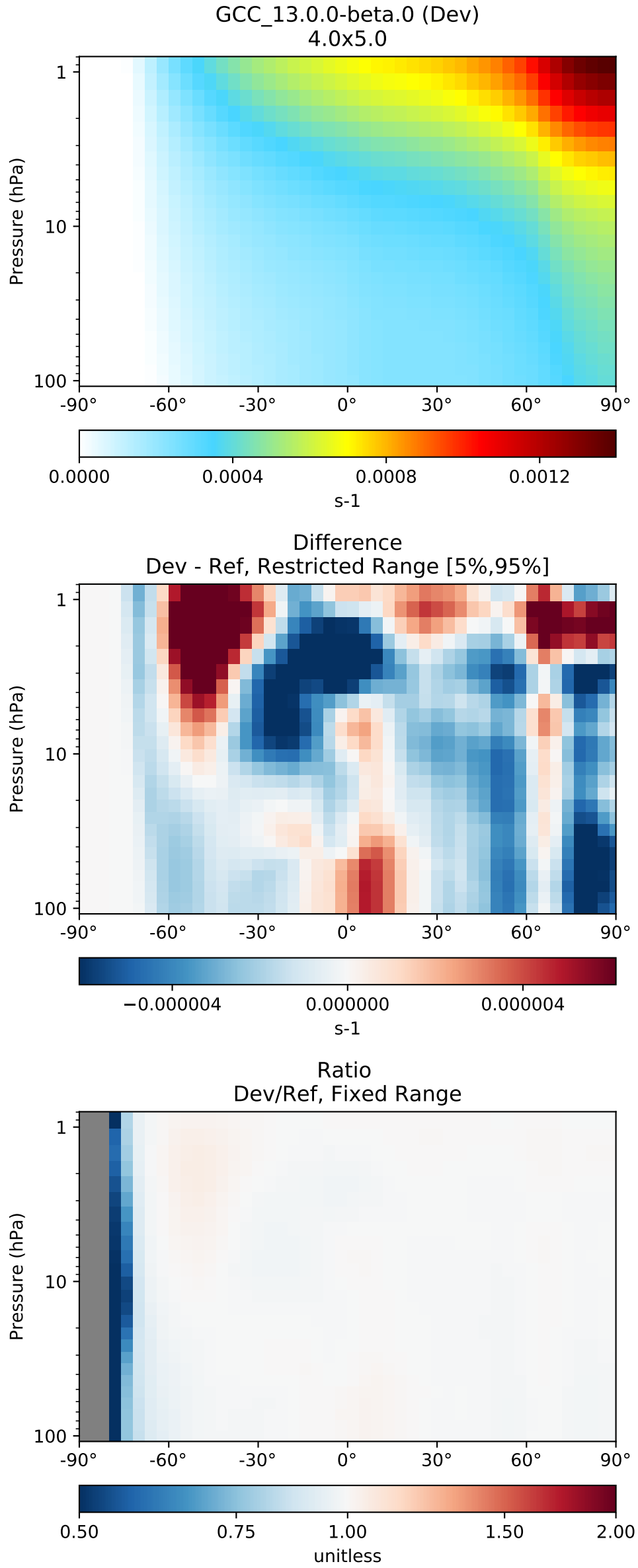
Jval_Cl2O2, Zonal Mean



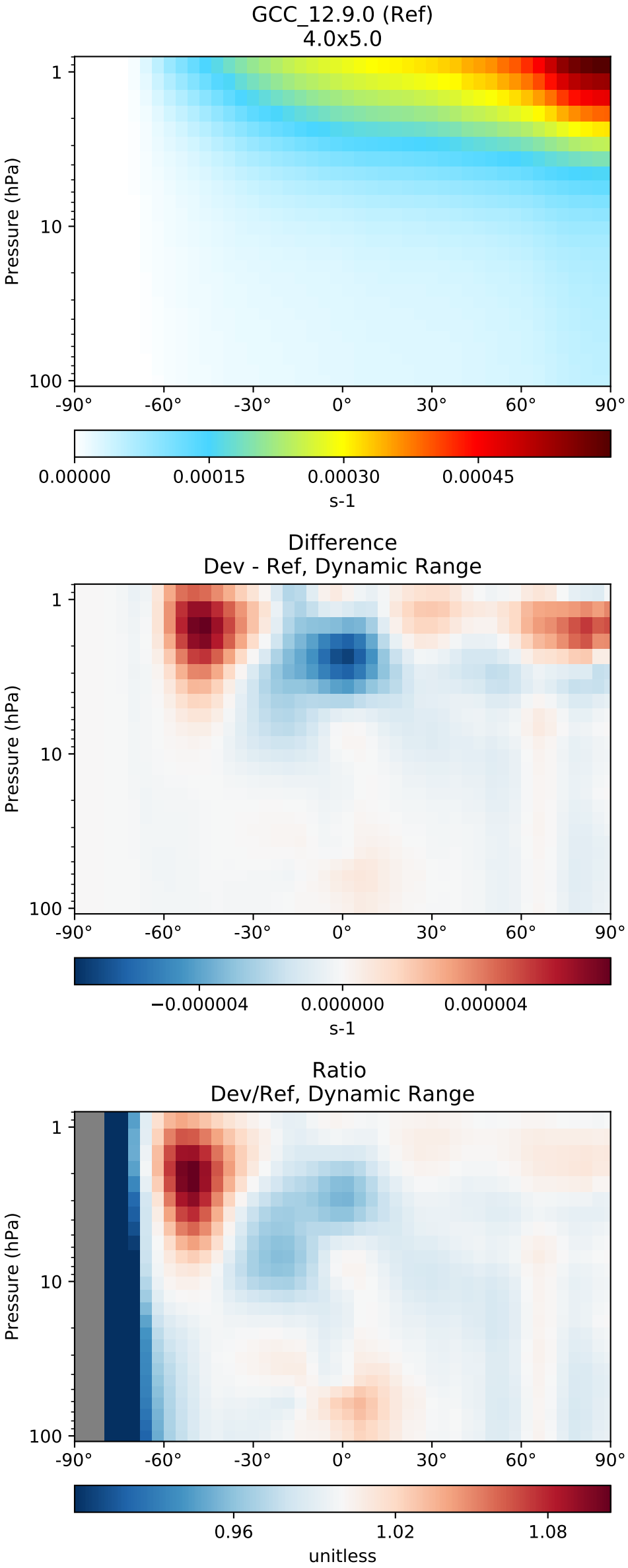


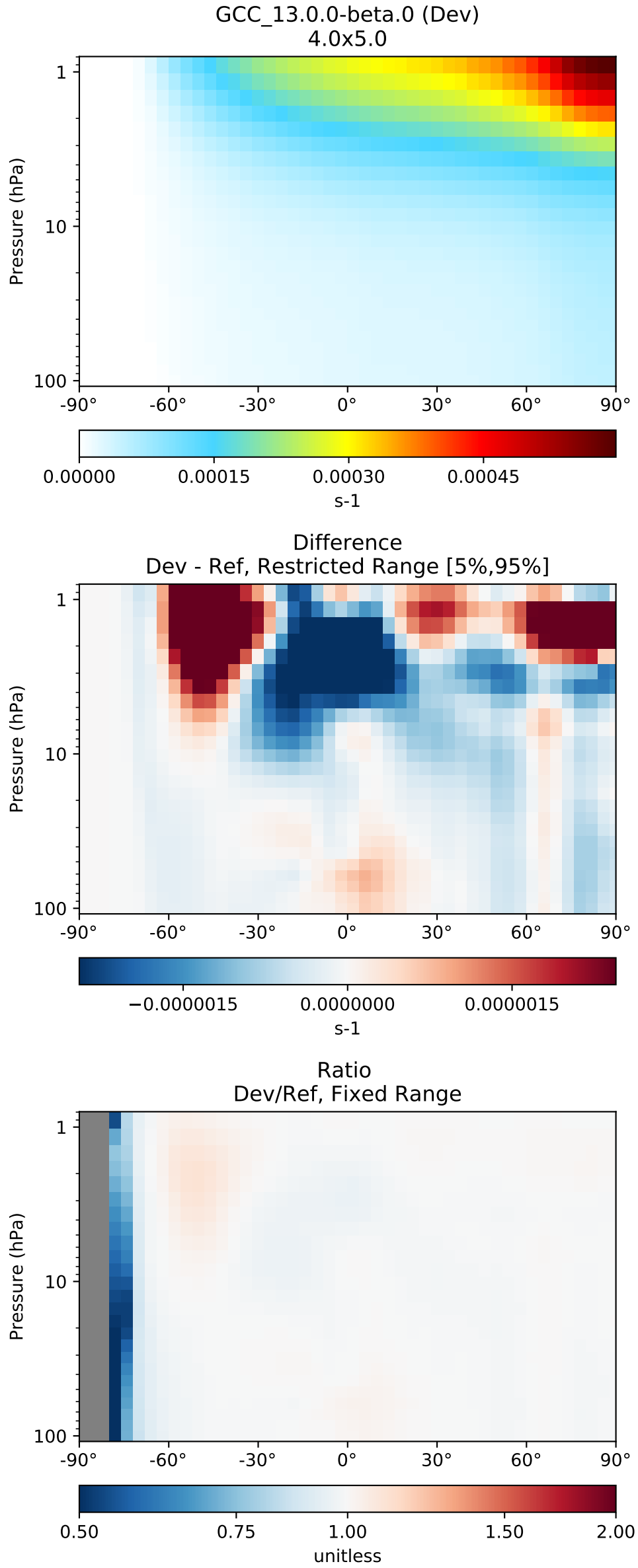
Jval_ClNO2, Zonal Mean



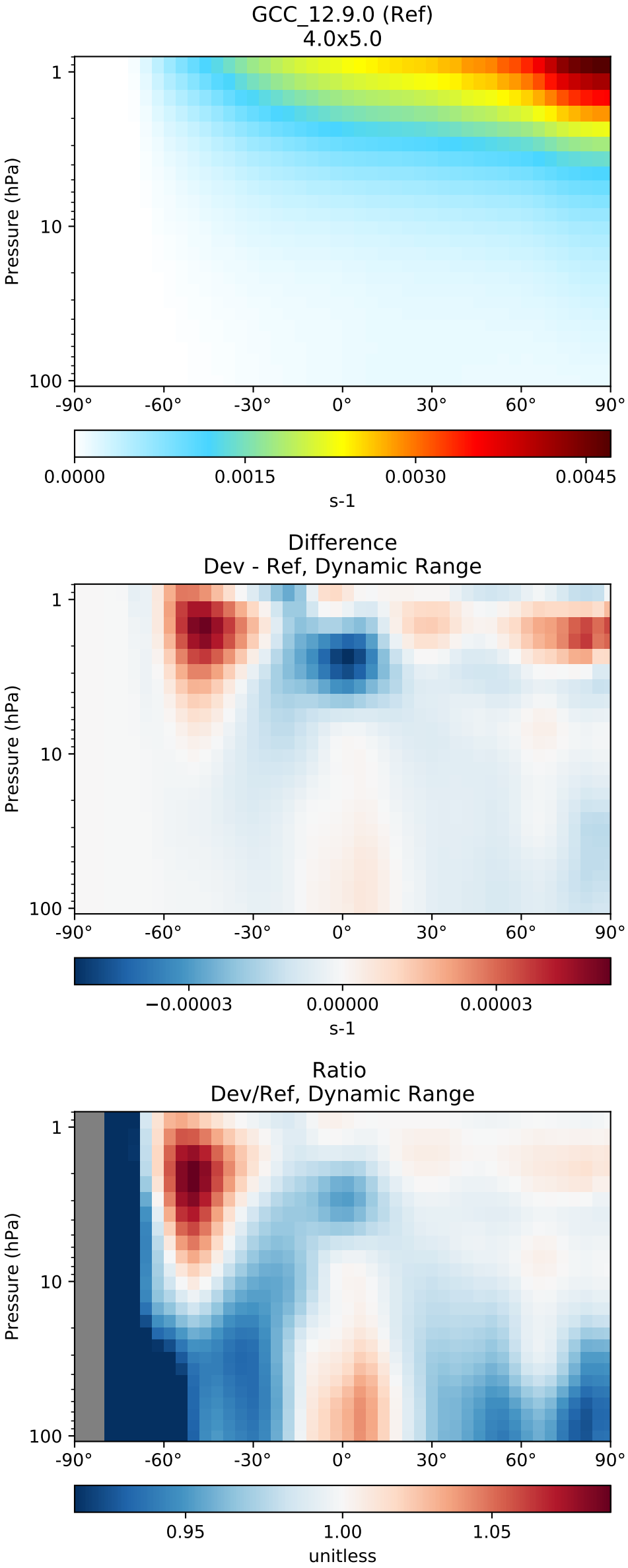


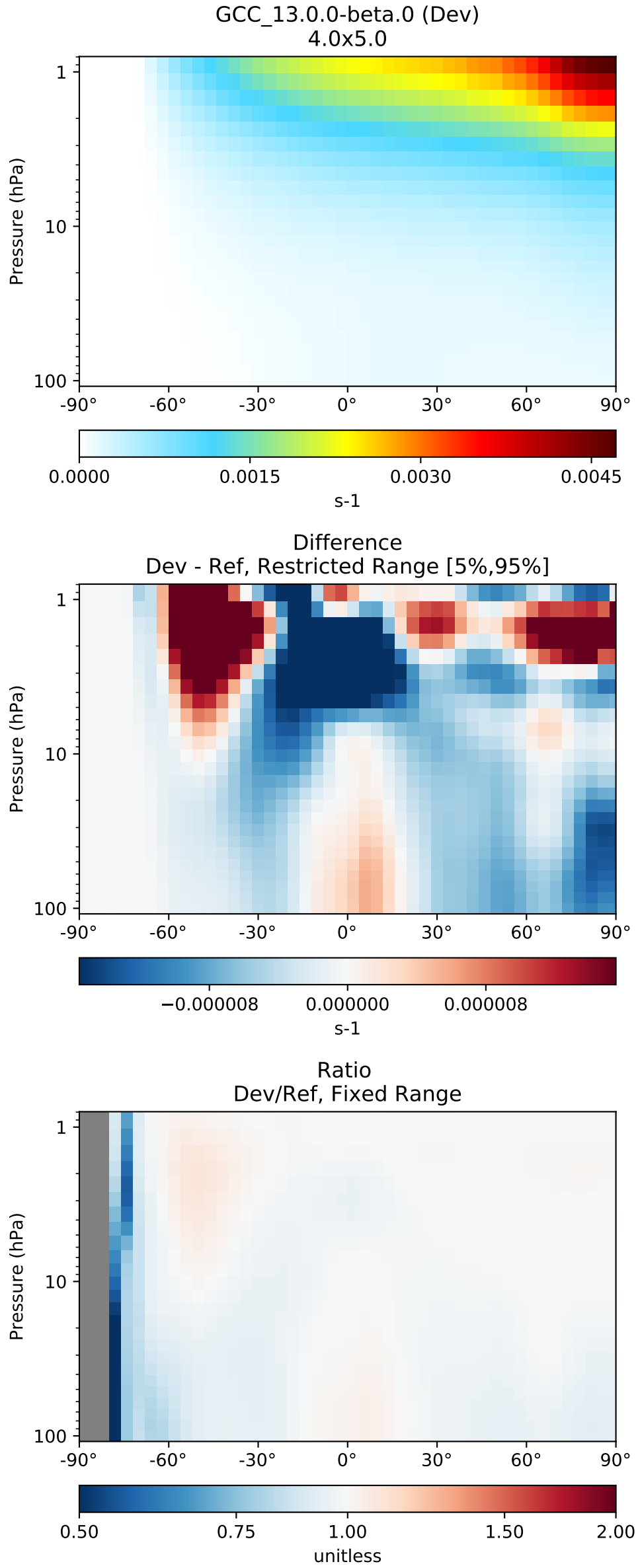
Jval_ClNO3, Zonal Mean



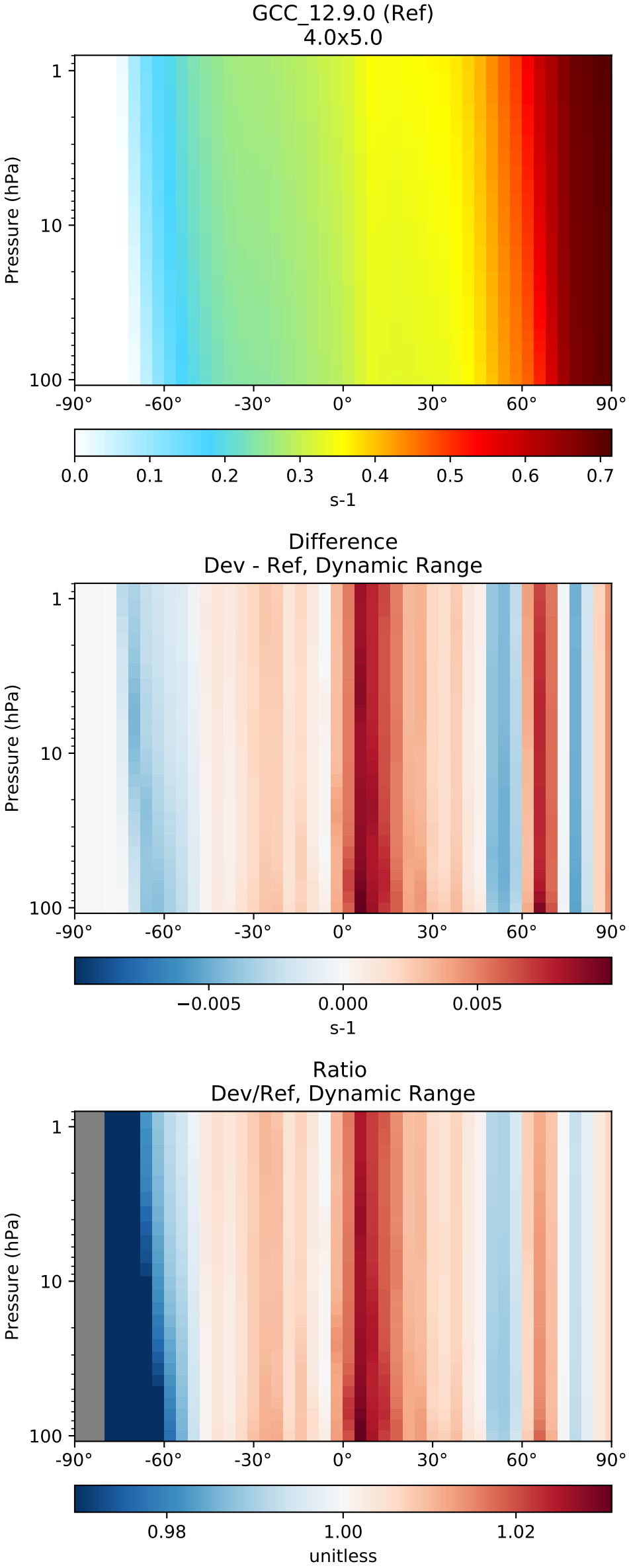


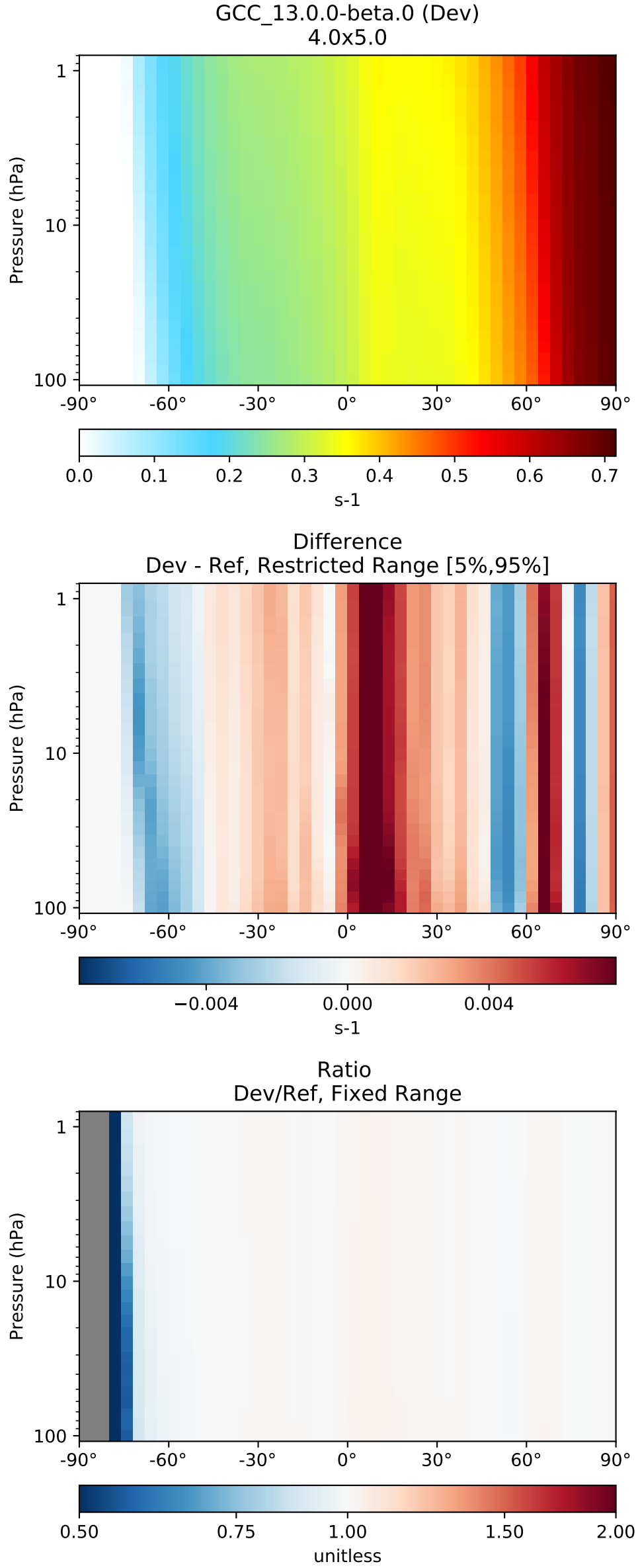
Jval_ClO, Zonal Mean



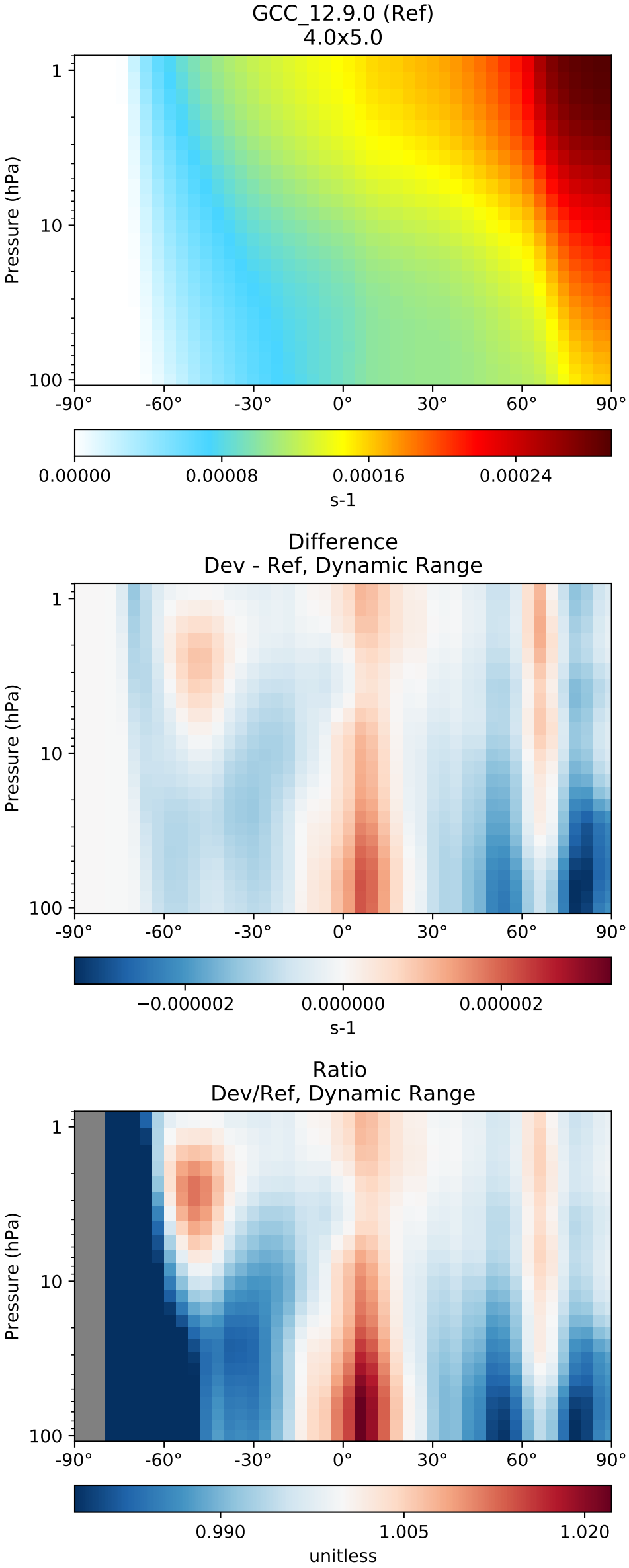


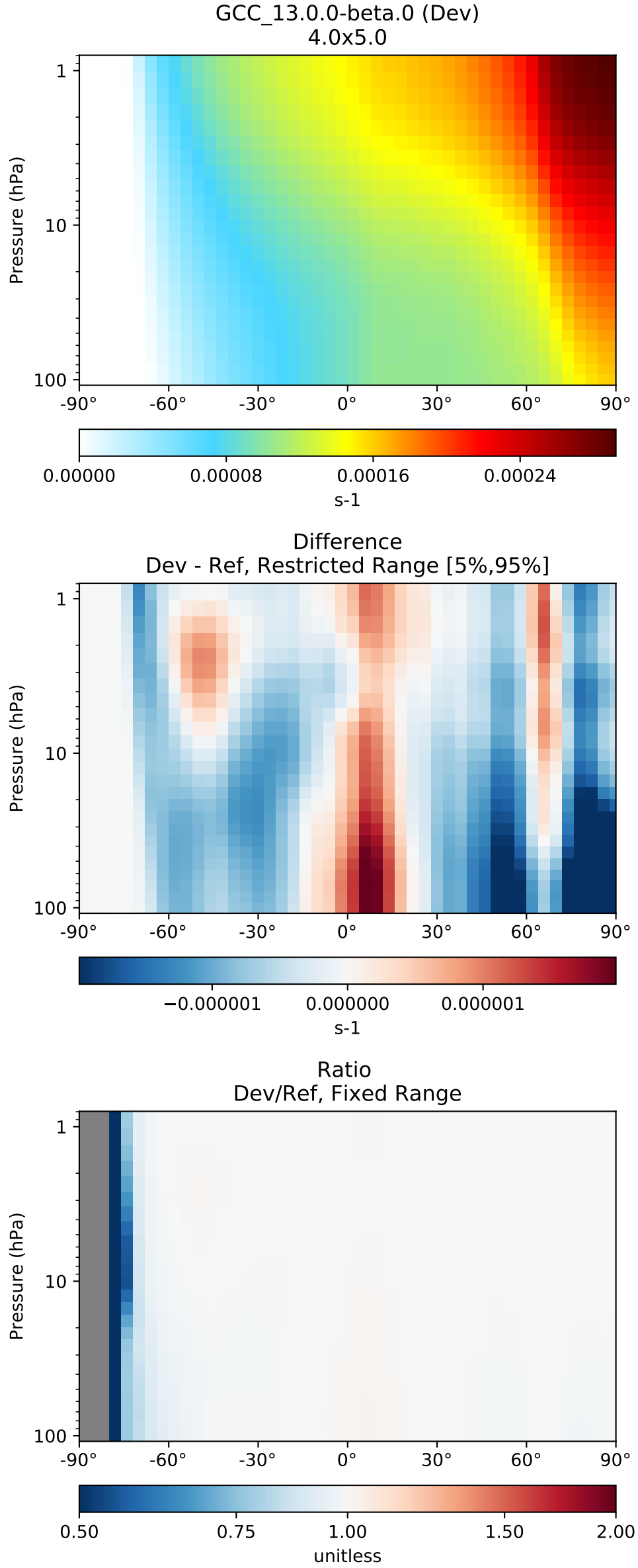
Jval_ClOO, Zonal Mean



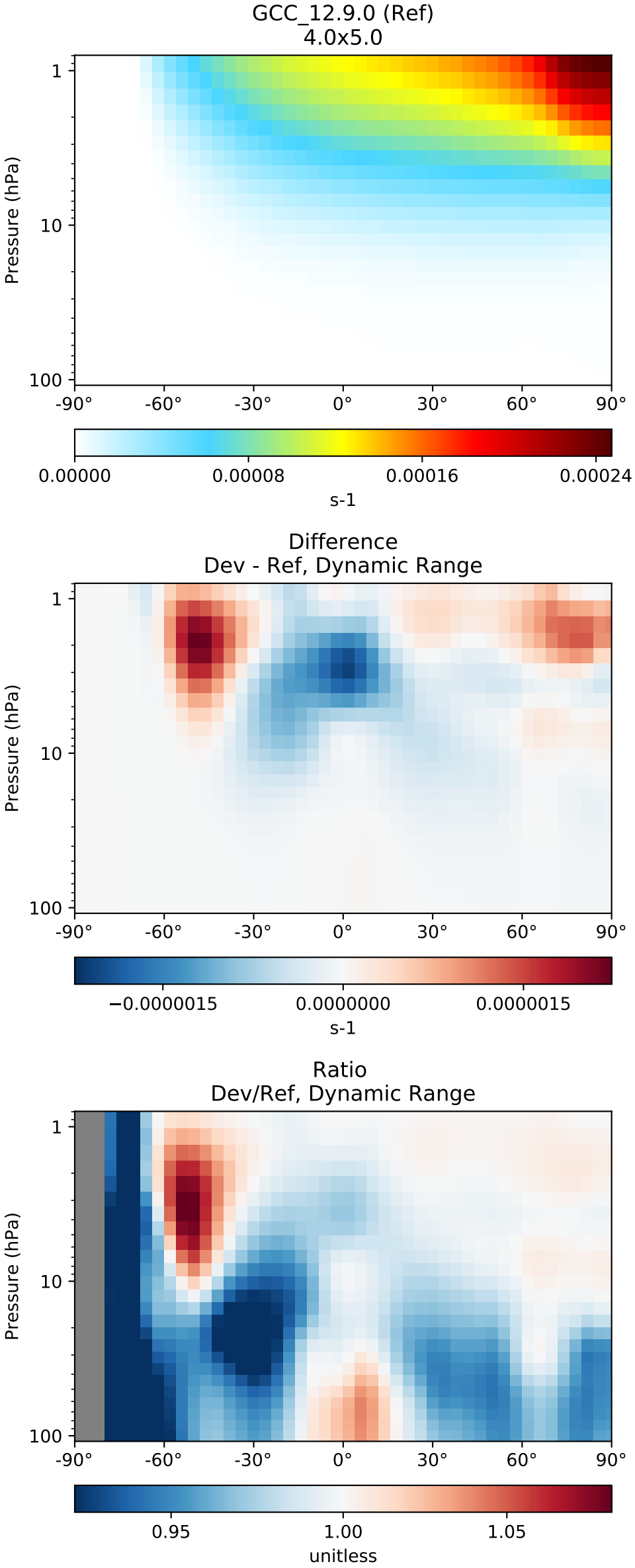


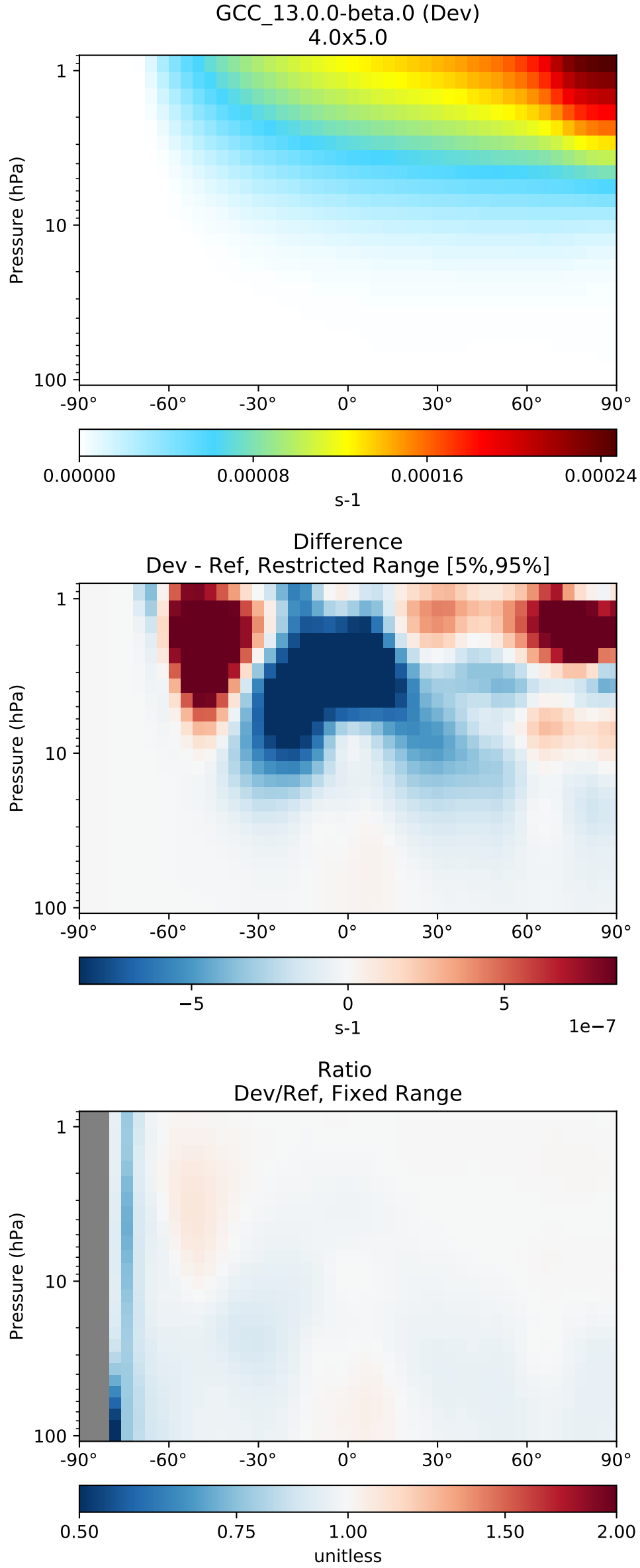
Jval_ETHLN, Zonal Mean



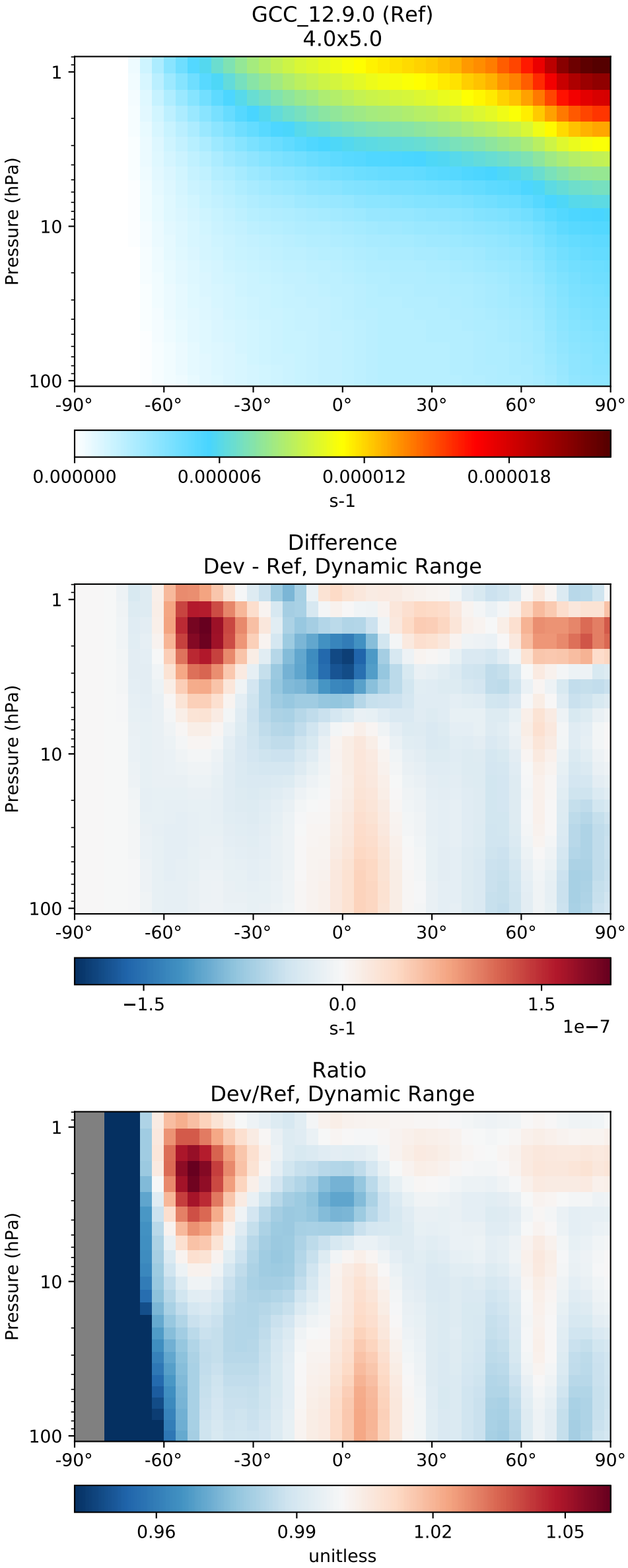


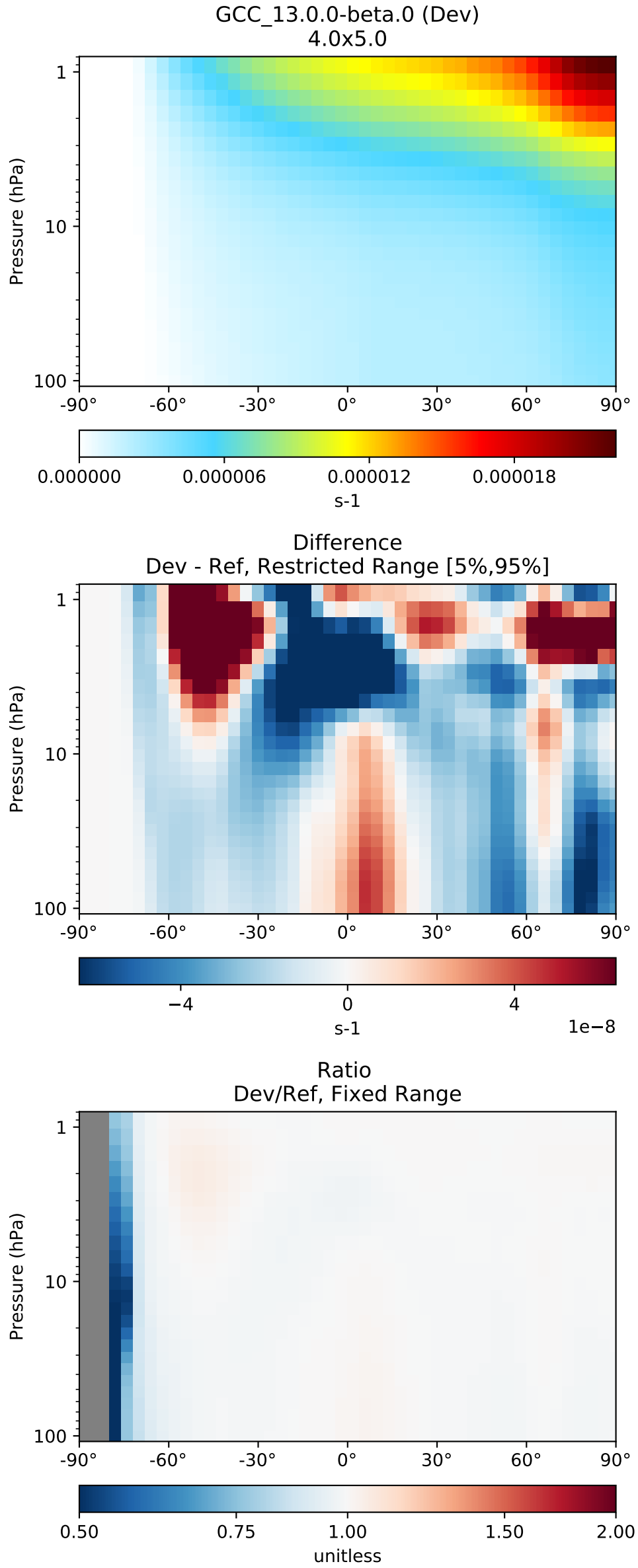
Jval_ETNO3, Zonal Mean



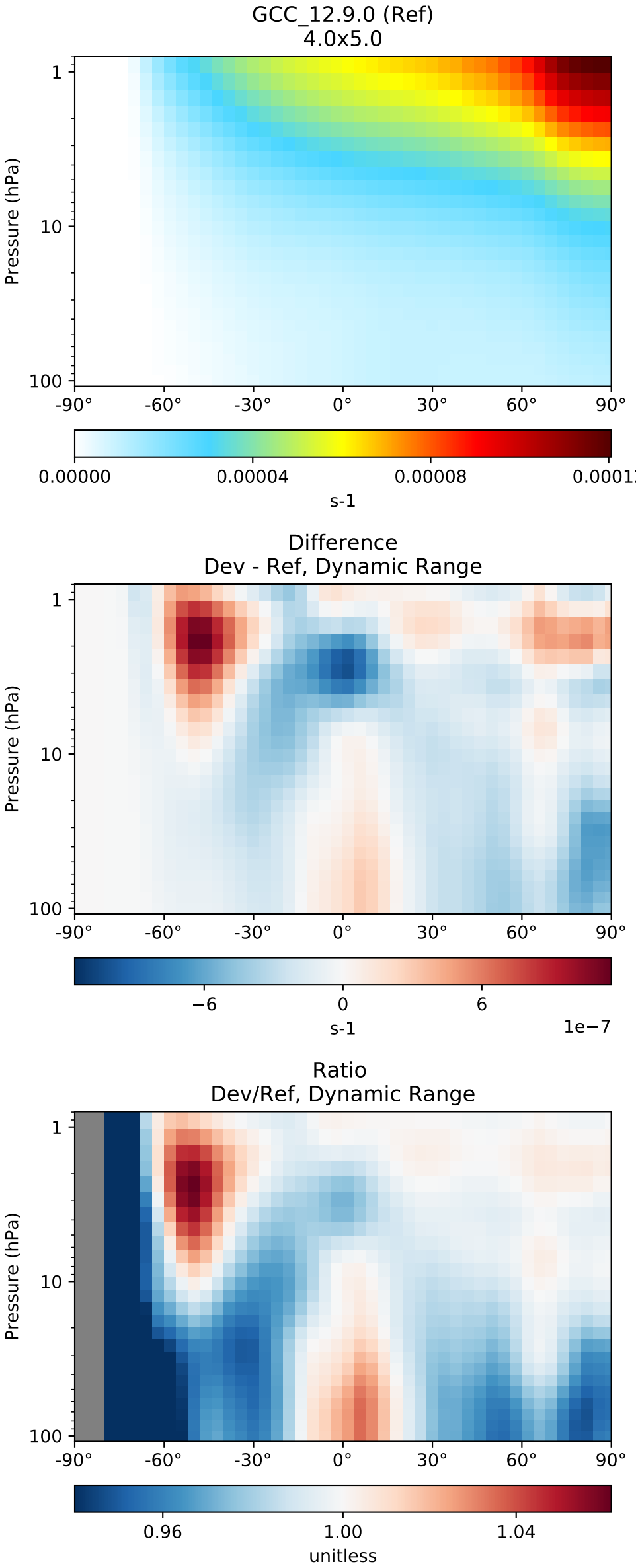


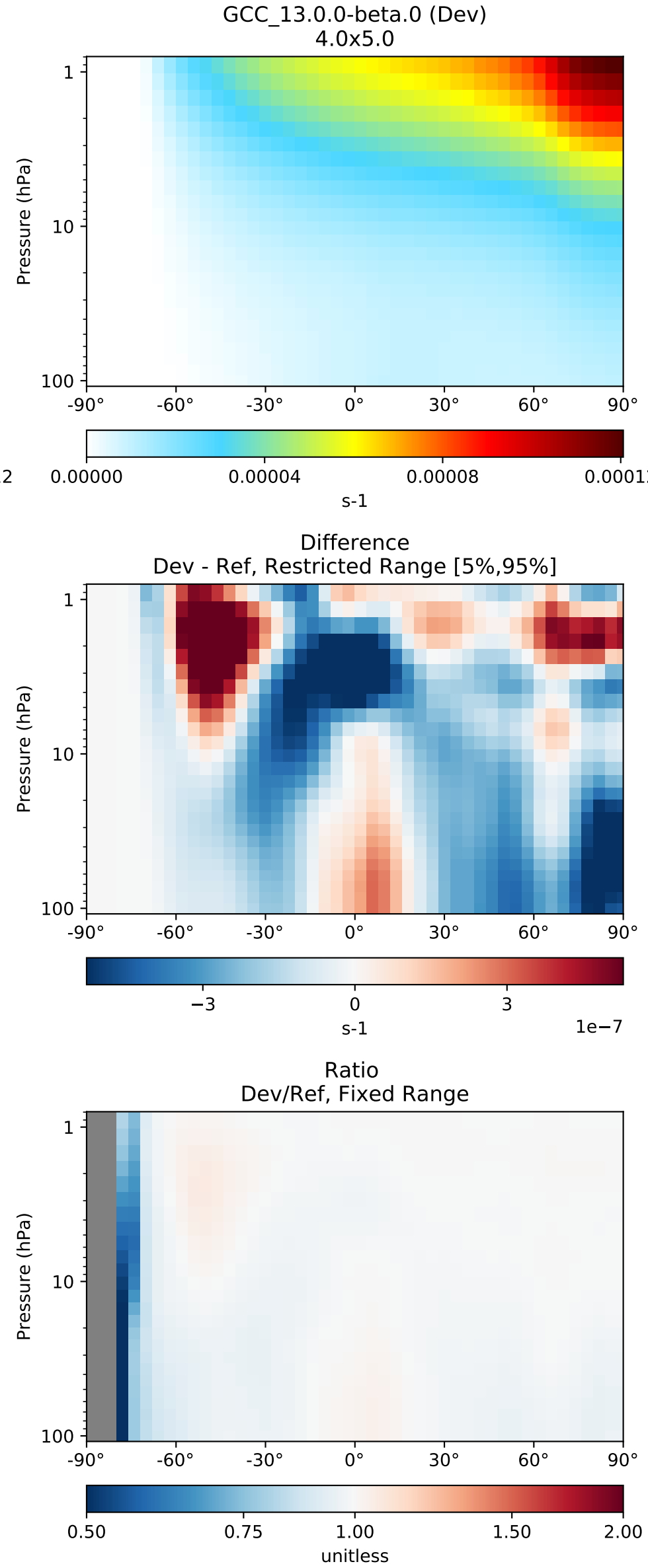
Jval_ETP, Zonal Mean



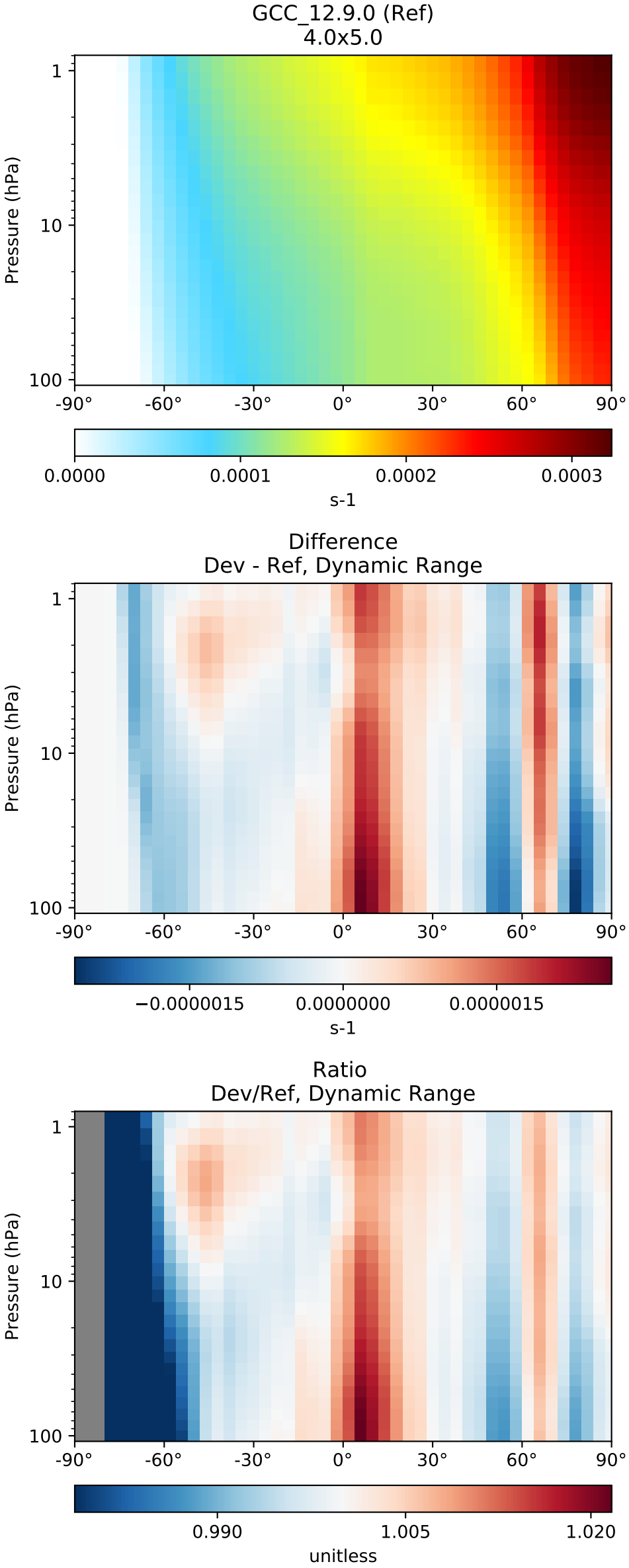


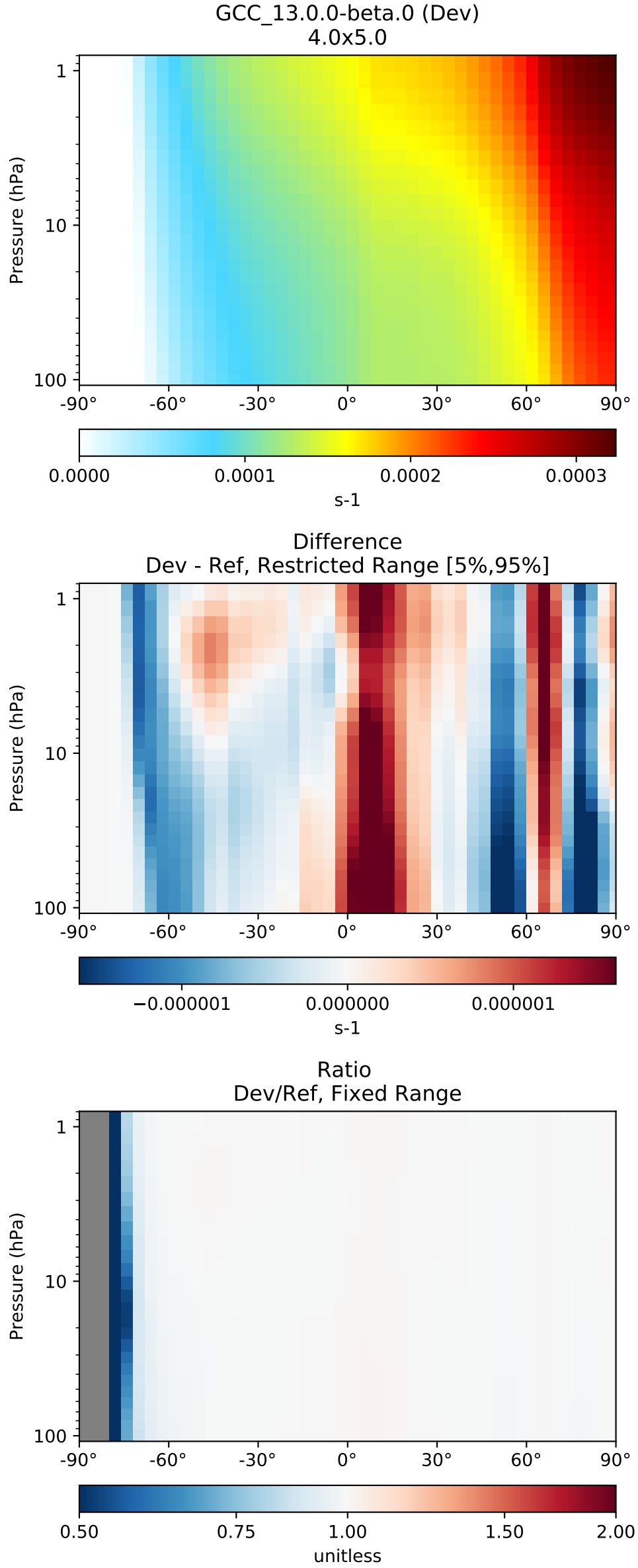
Jval_GLYC, Zonal Mean



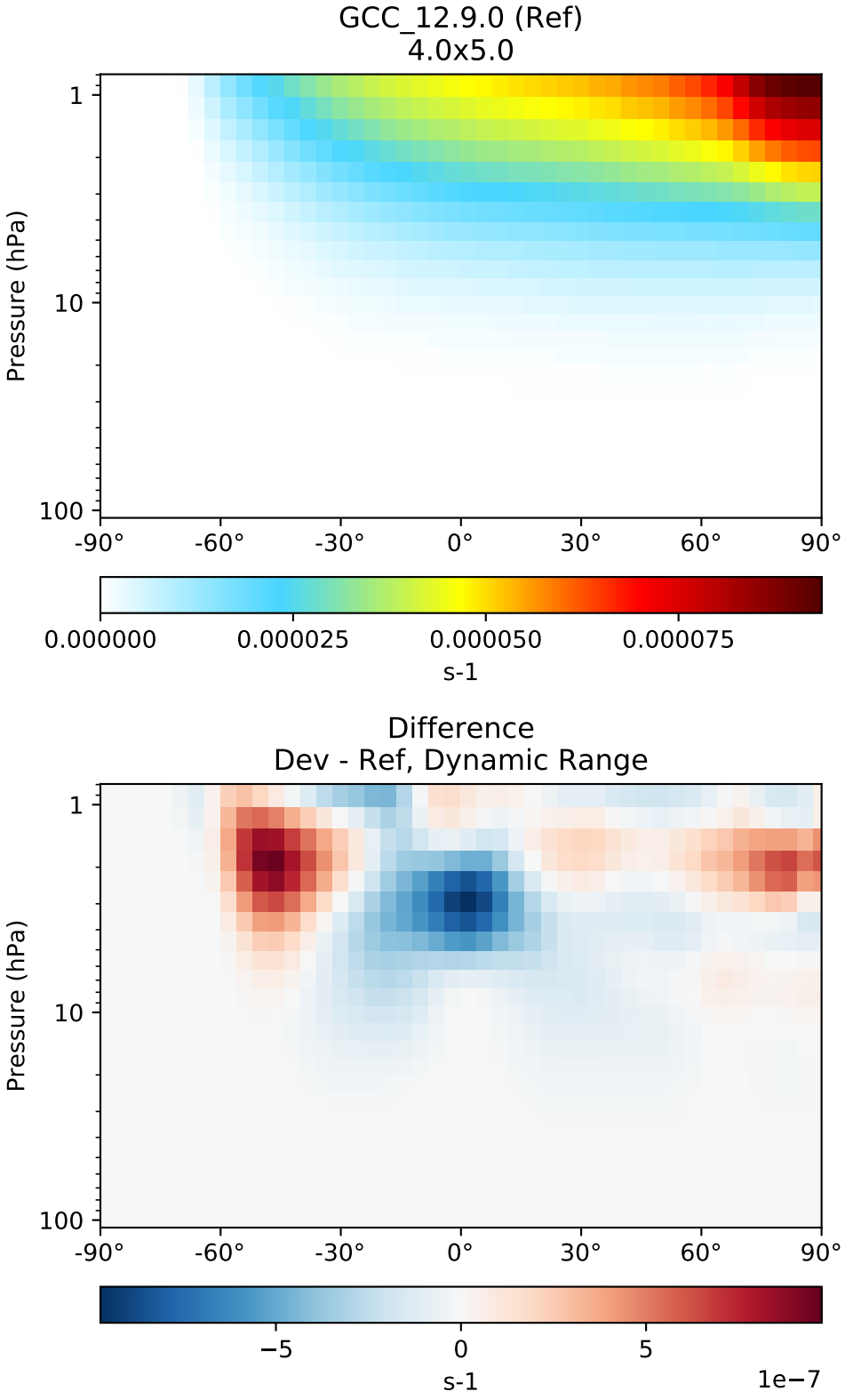


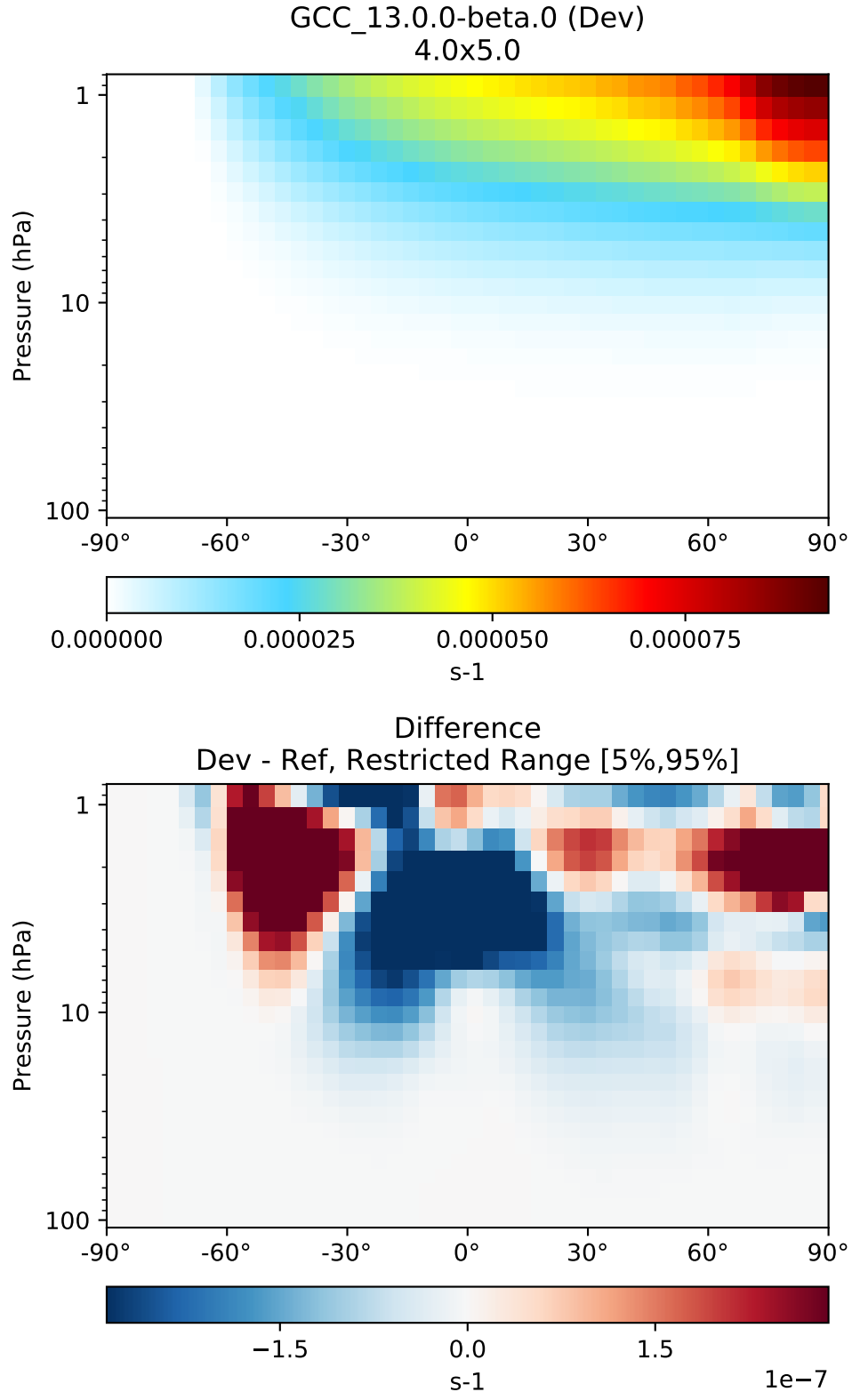
Jval_GLYX, Zonal Mean

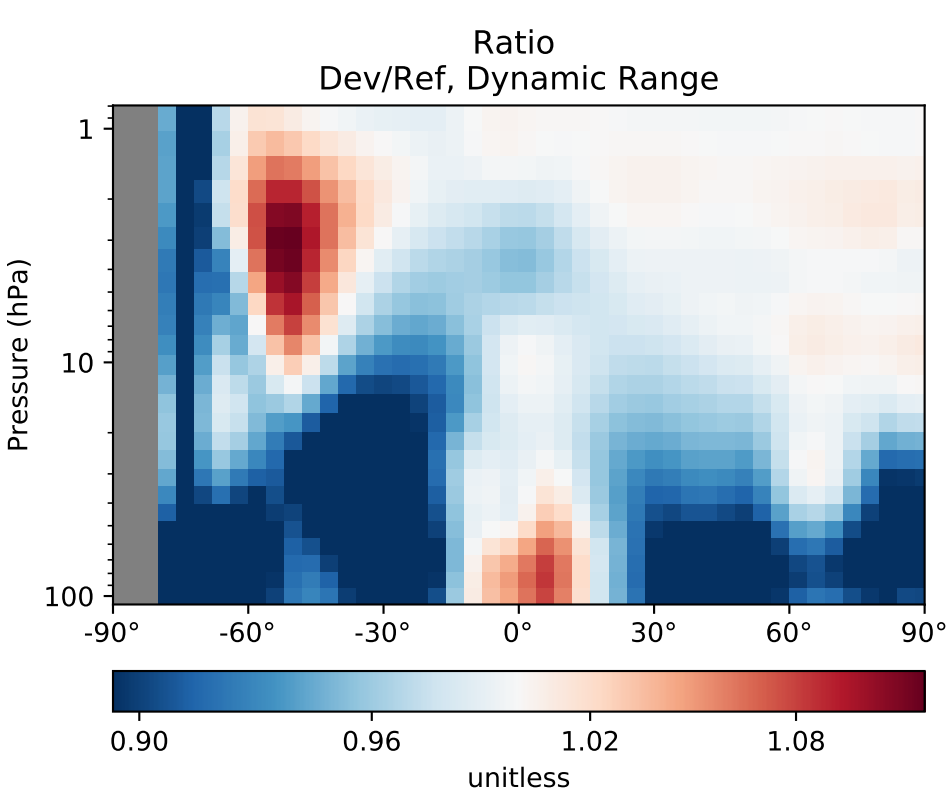


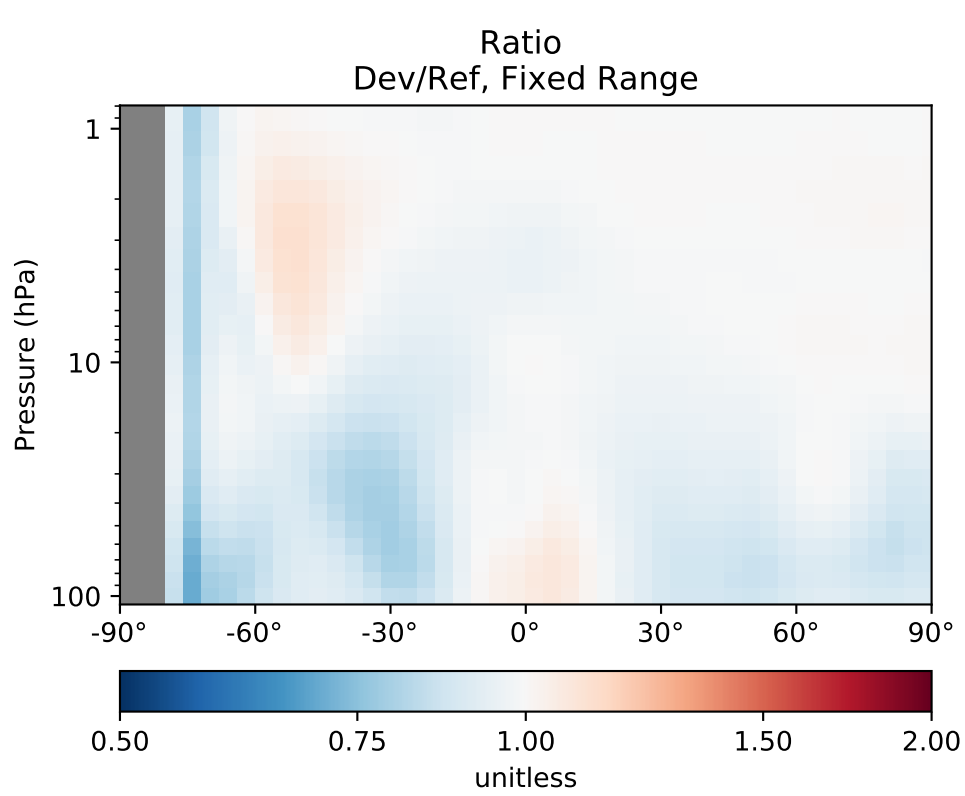


Jval_H1211, Zonal Mean

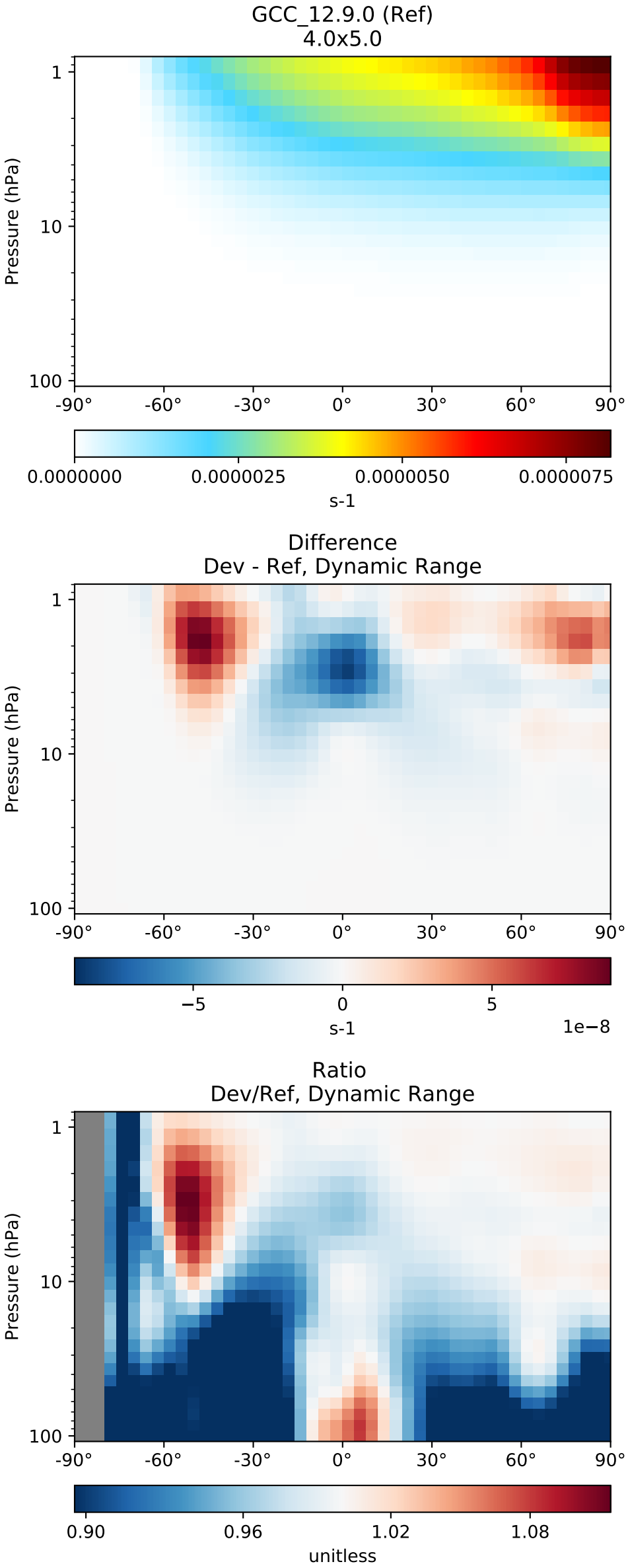


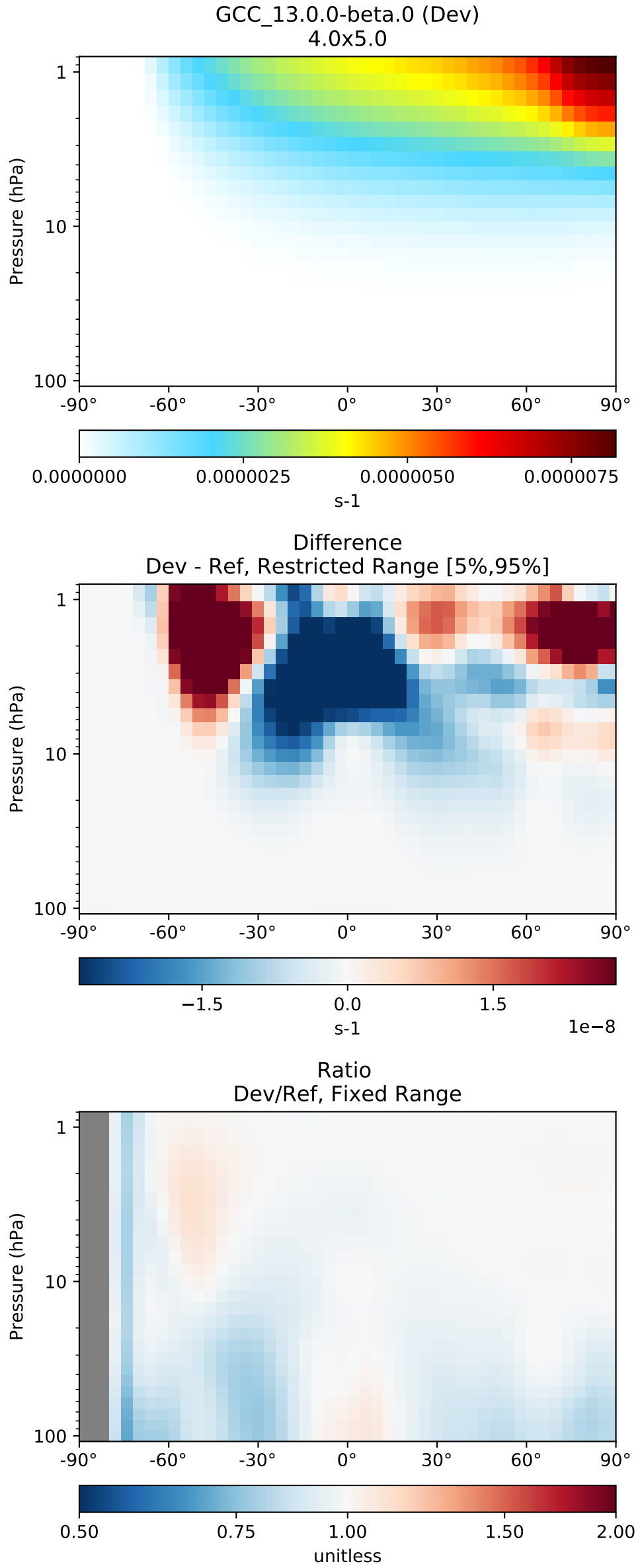




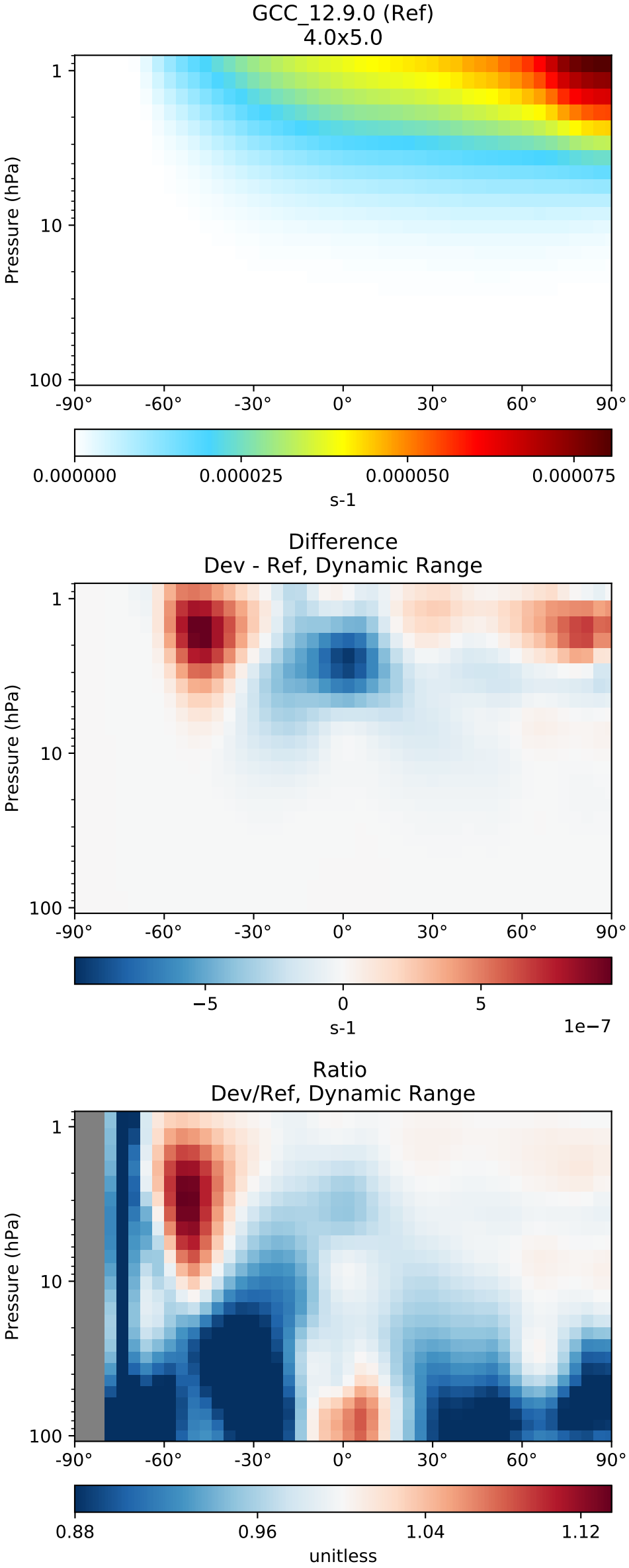


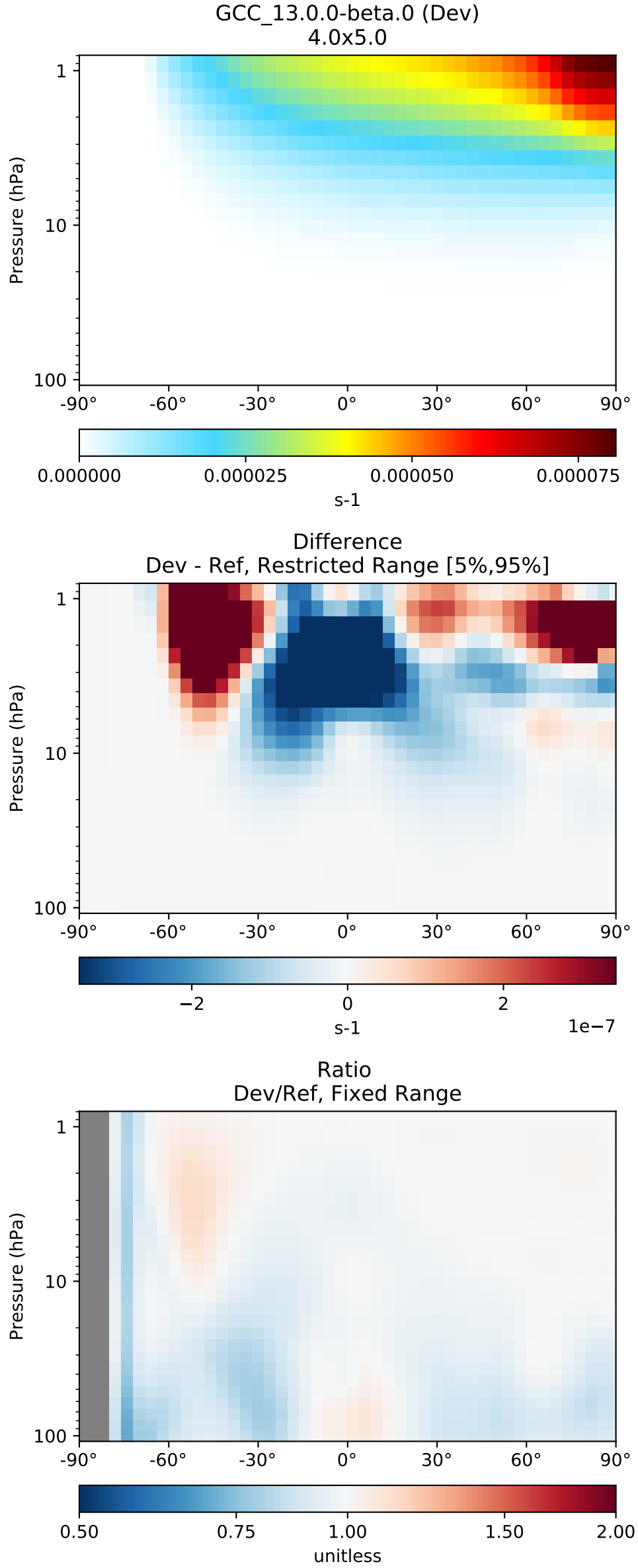
Jval_H1301, Zonal Mean



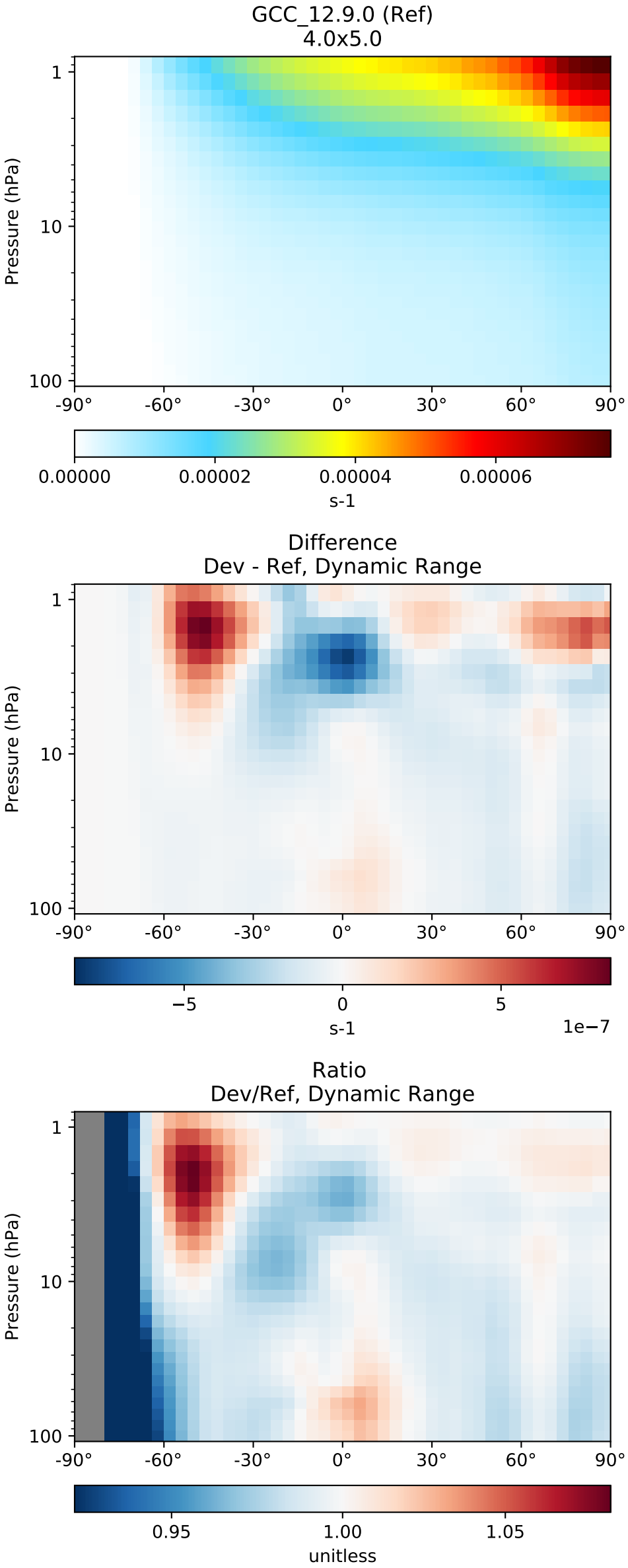


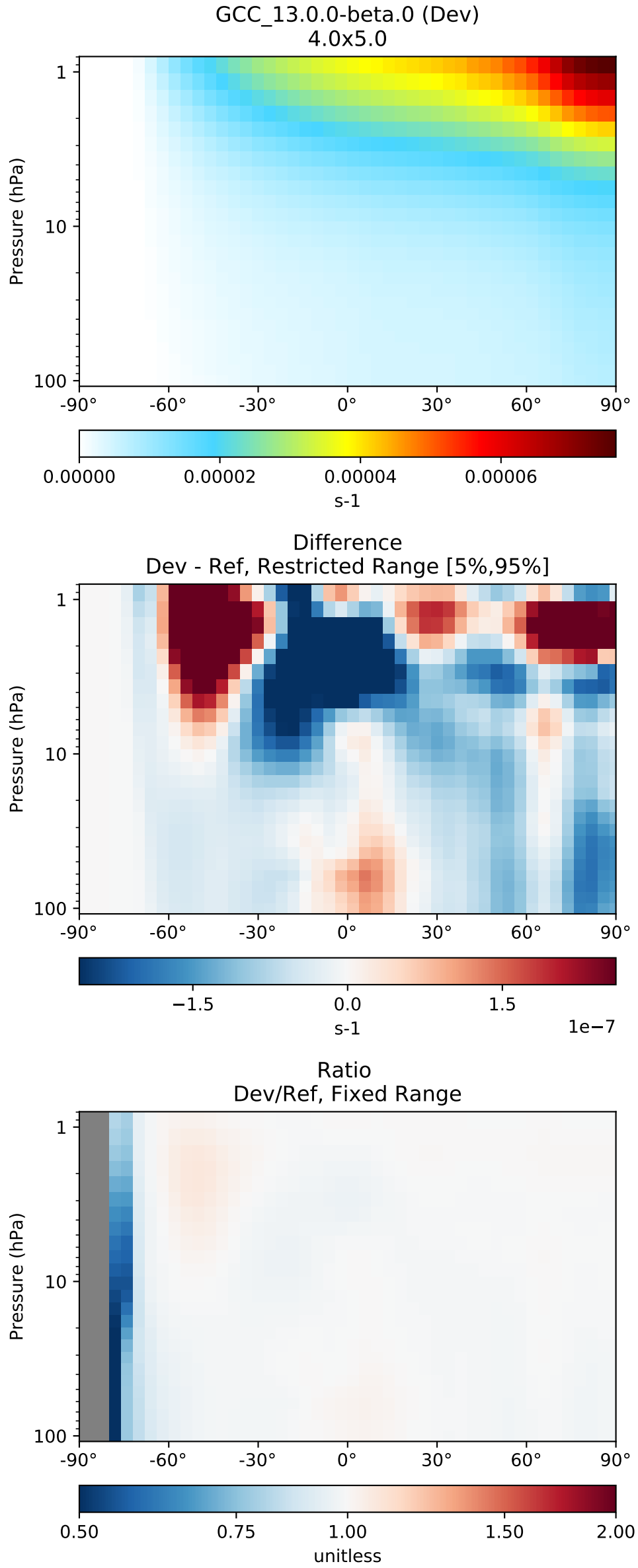
Jval_H2402, Zonal Mean



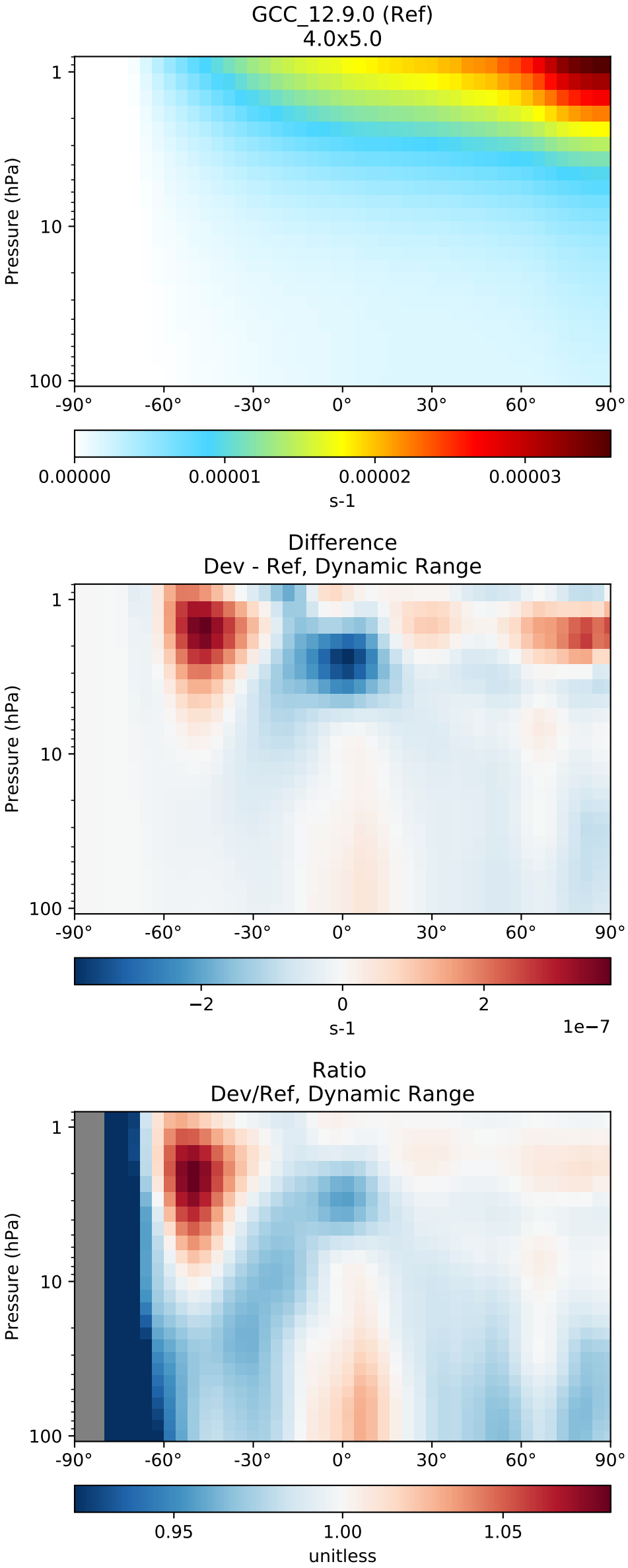


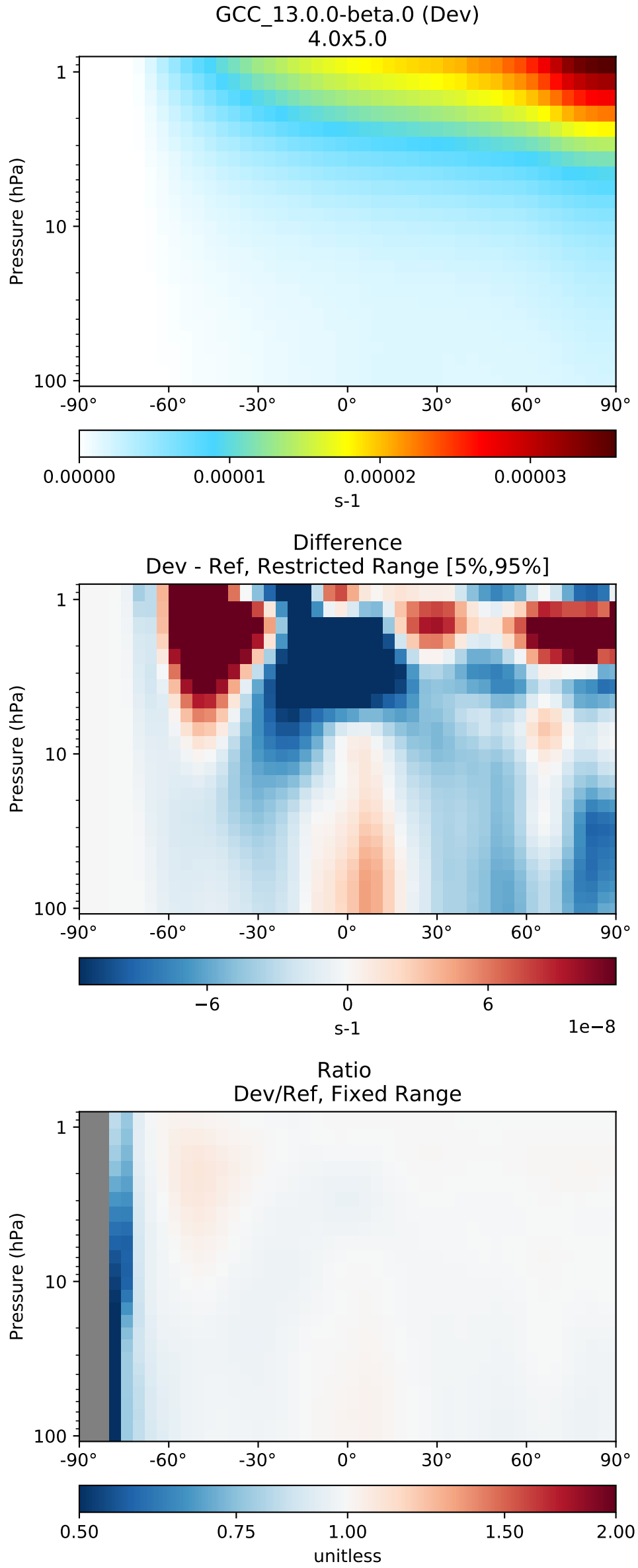
Jval_H2O2, Zonal Mean





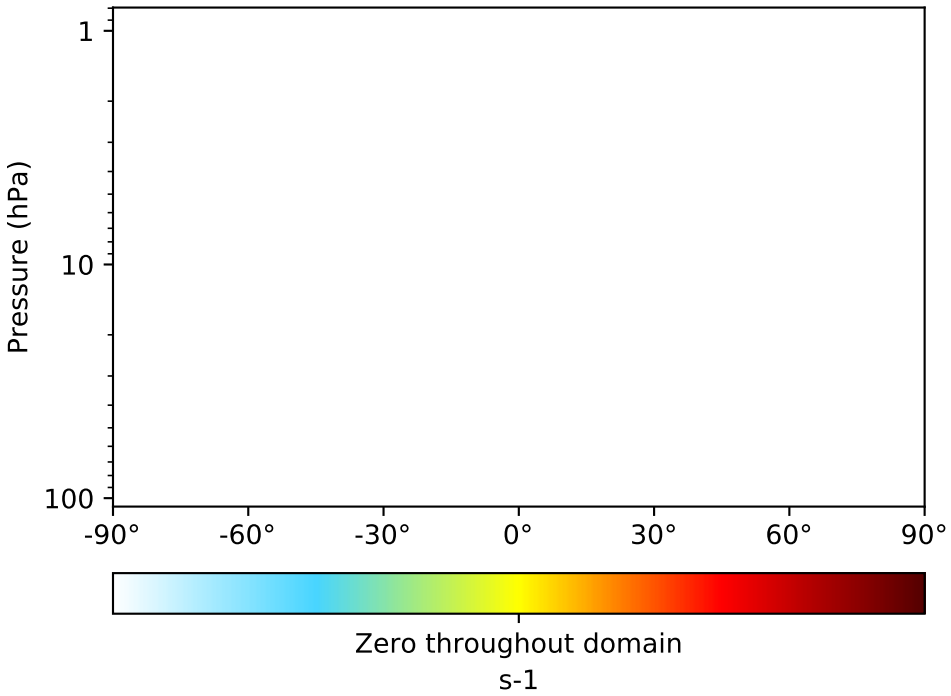
Jval_HAC, Zonal Mean



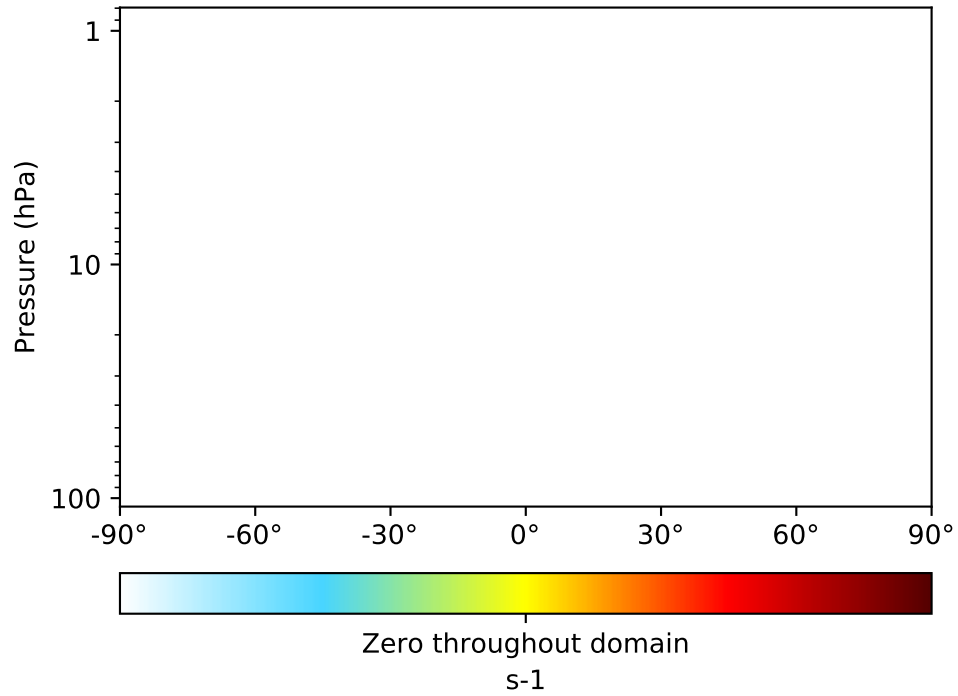


Jval_HC5A, Zonal Mean

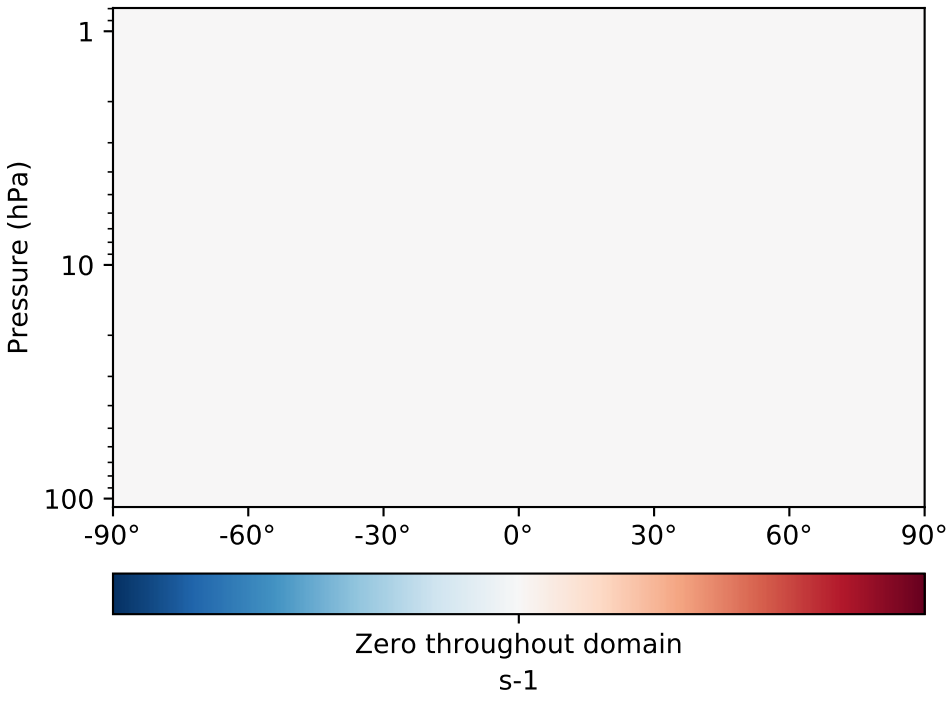
GCC_12.9.0 (Ref)
4.0x5.0



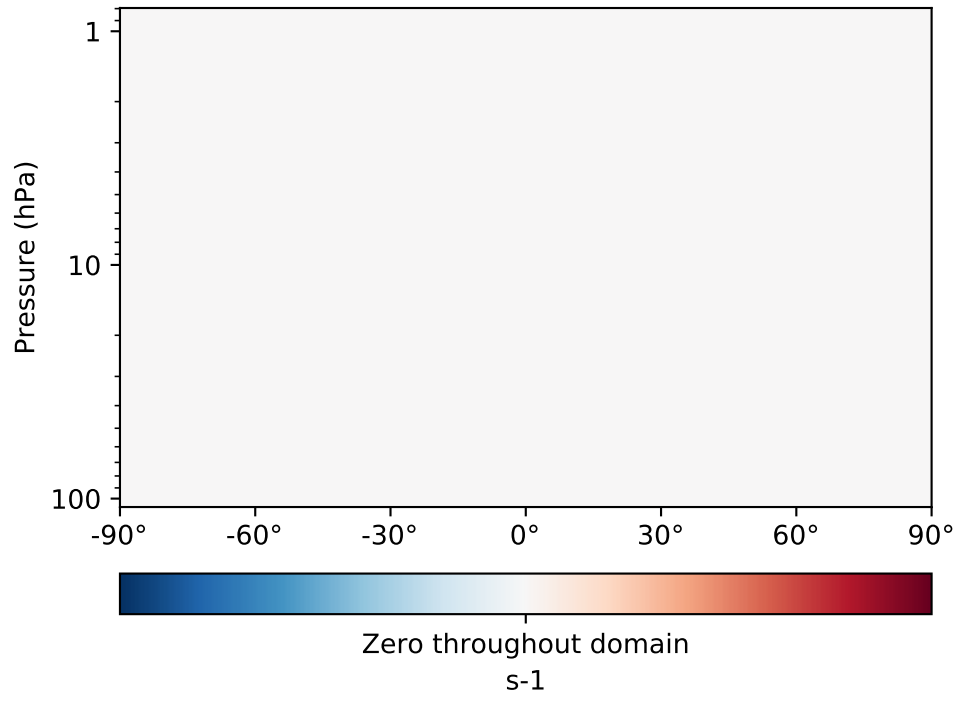
GCC_13.0.0-beta.0 (Dev)
4.0x5.0



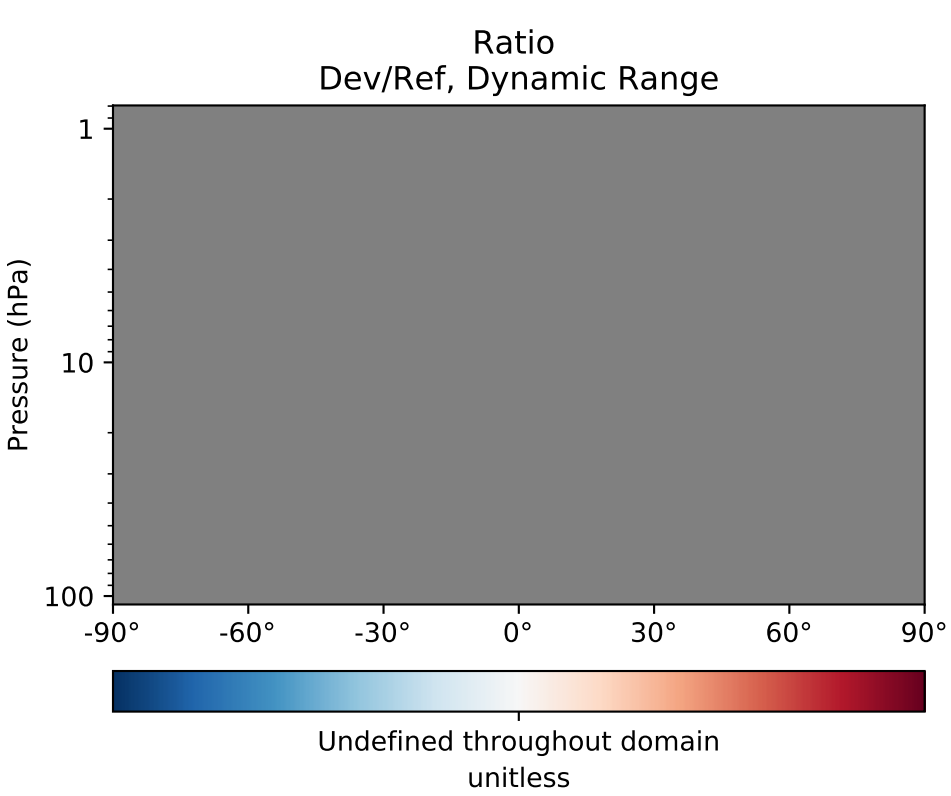
Difference
Dev - Ref, Dynamic Range



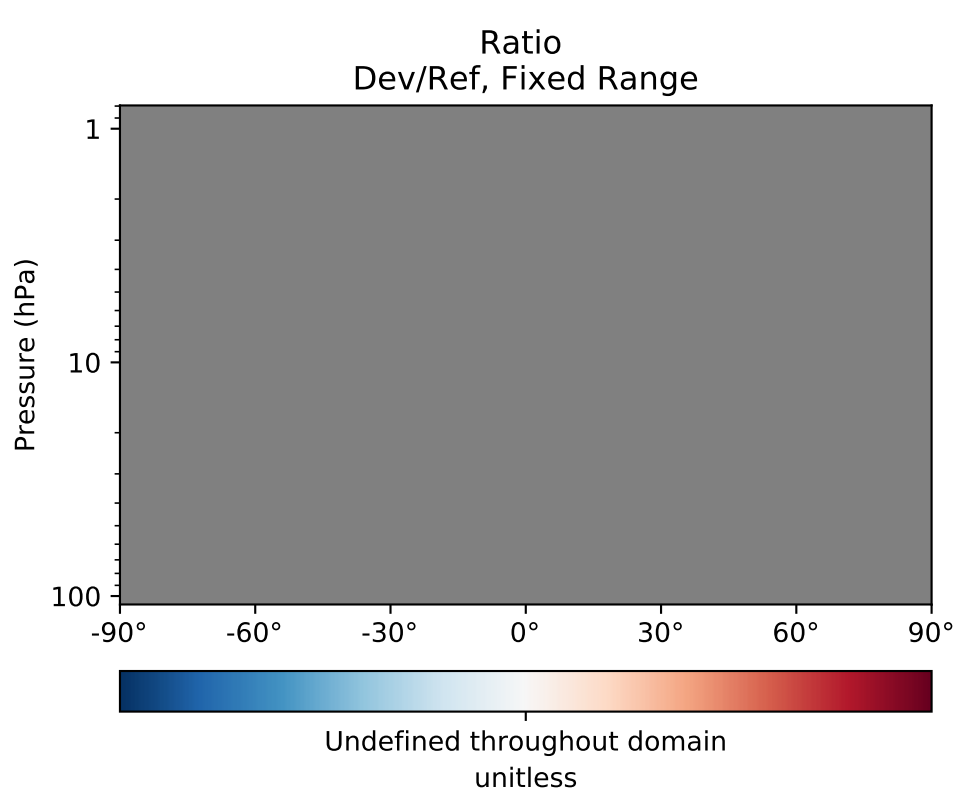
Difference
Dev - Ref, Restricted Range [5%,95%]



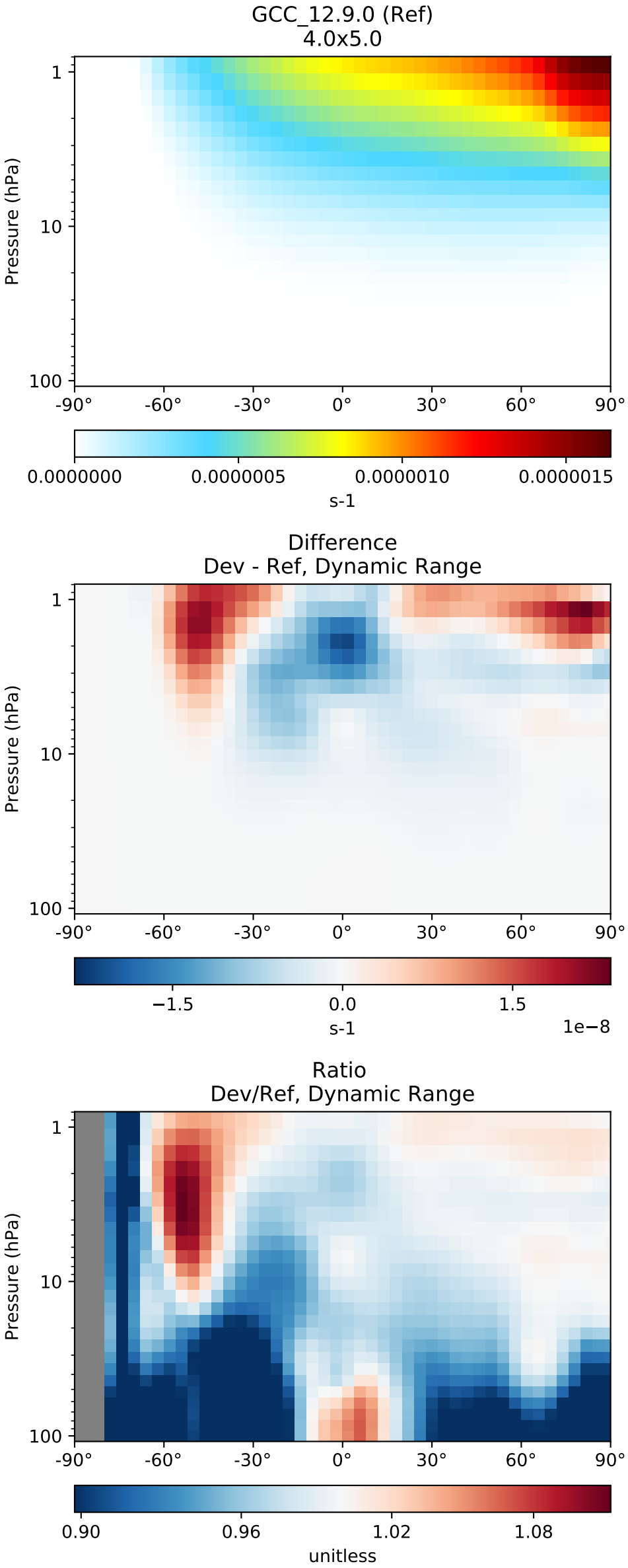
Ratio
Dev/Ref, Dynamic Range

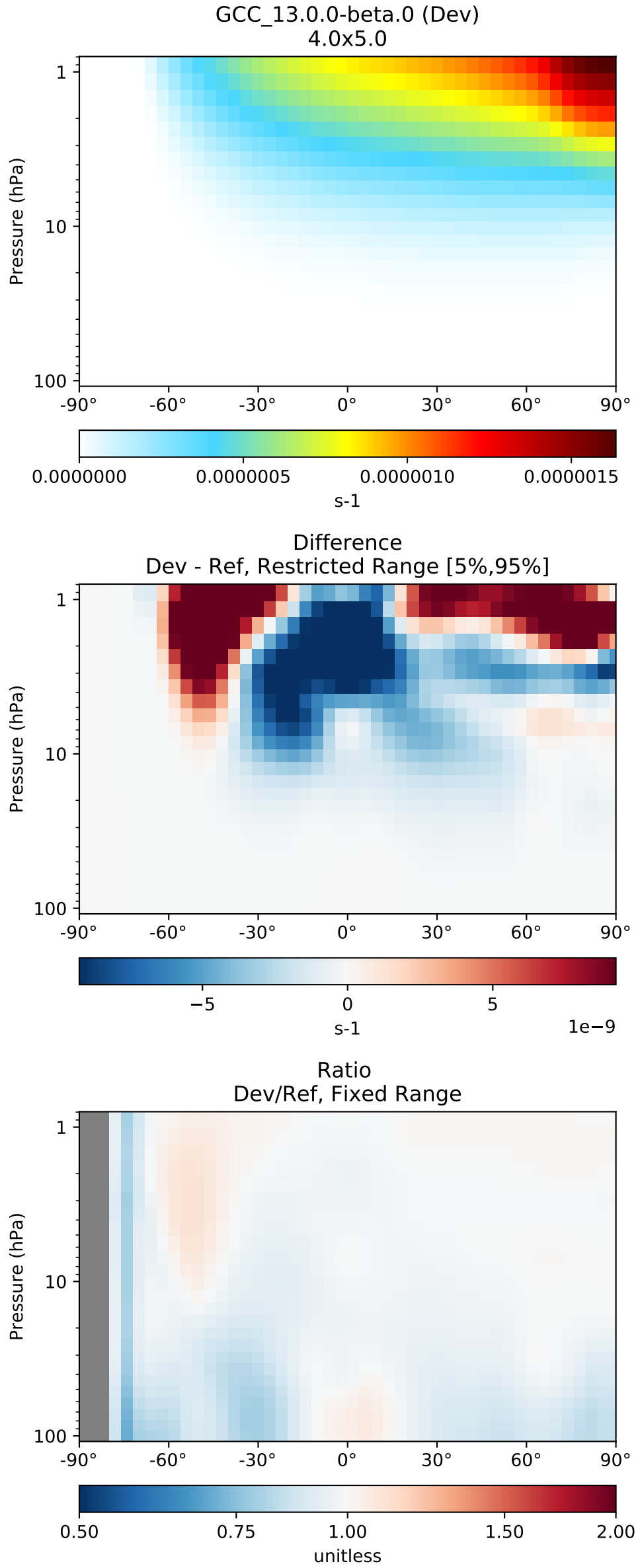


Ratio
Dev/Ref, Fixed Range

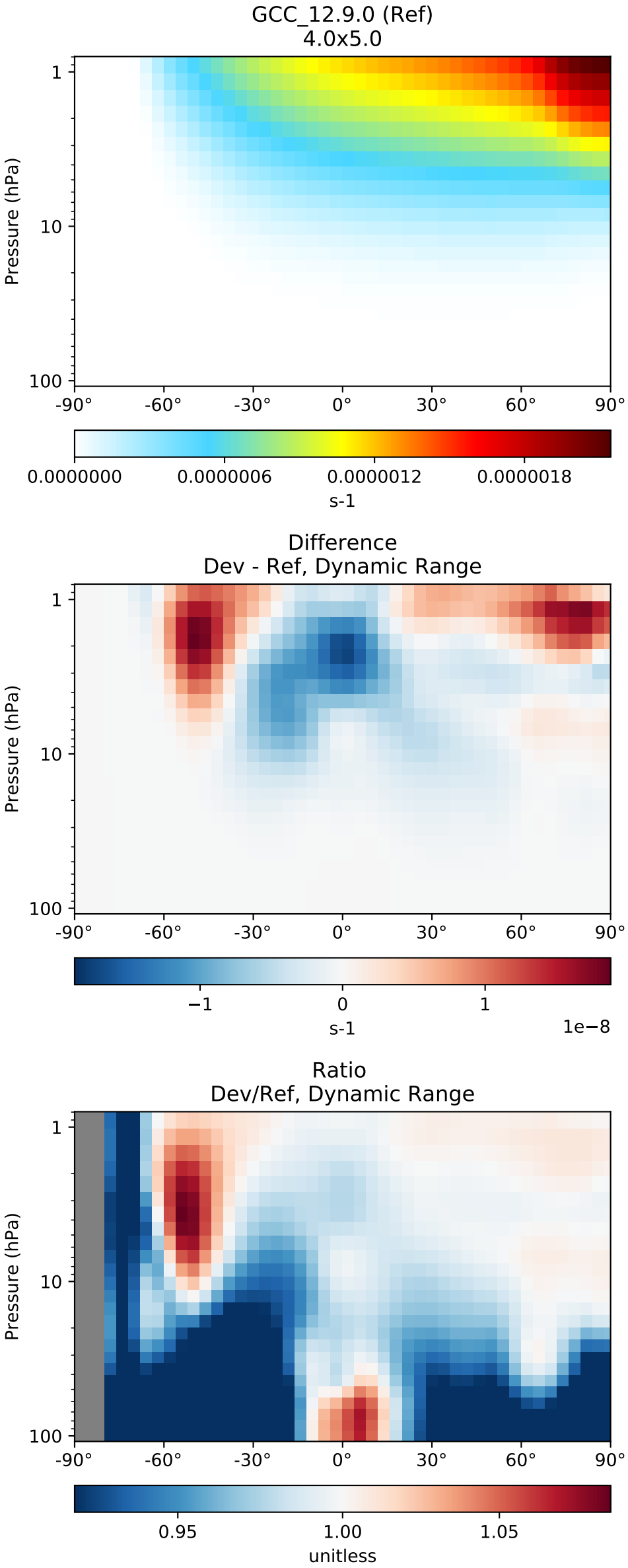


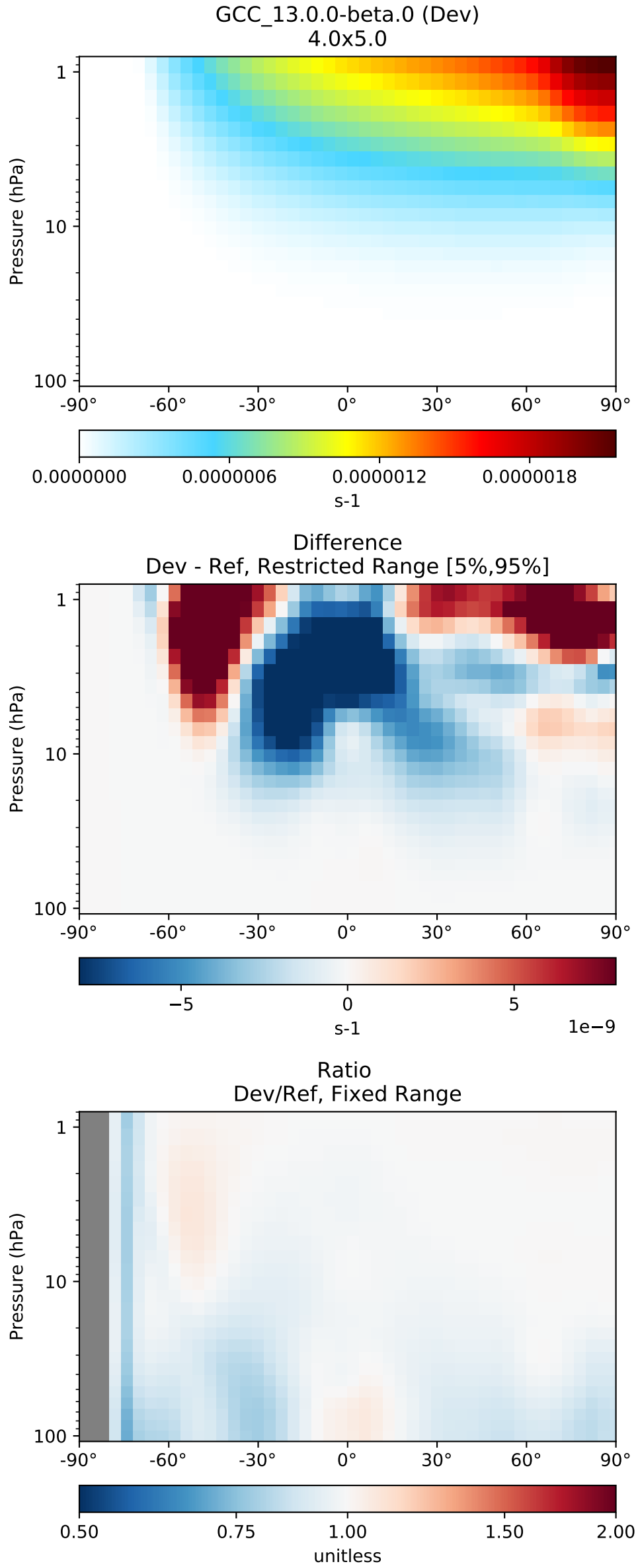
Jval_HCFC123, Zonal Mean



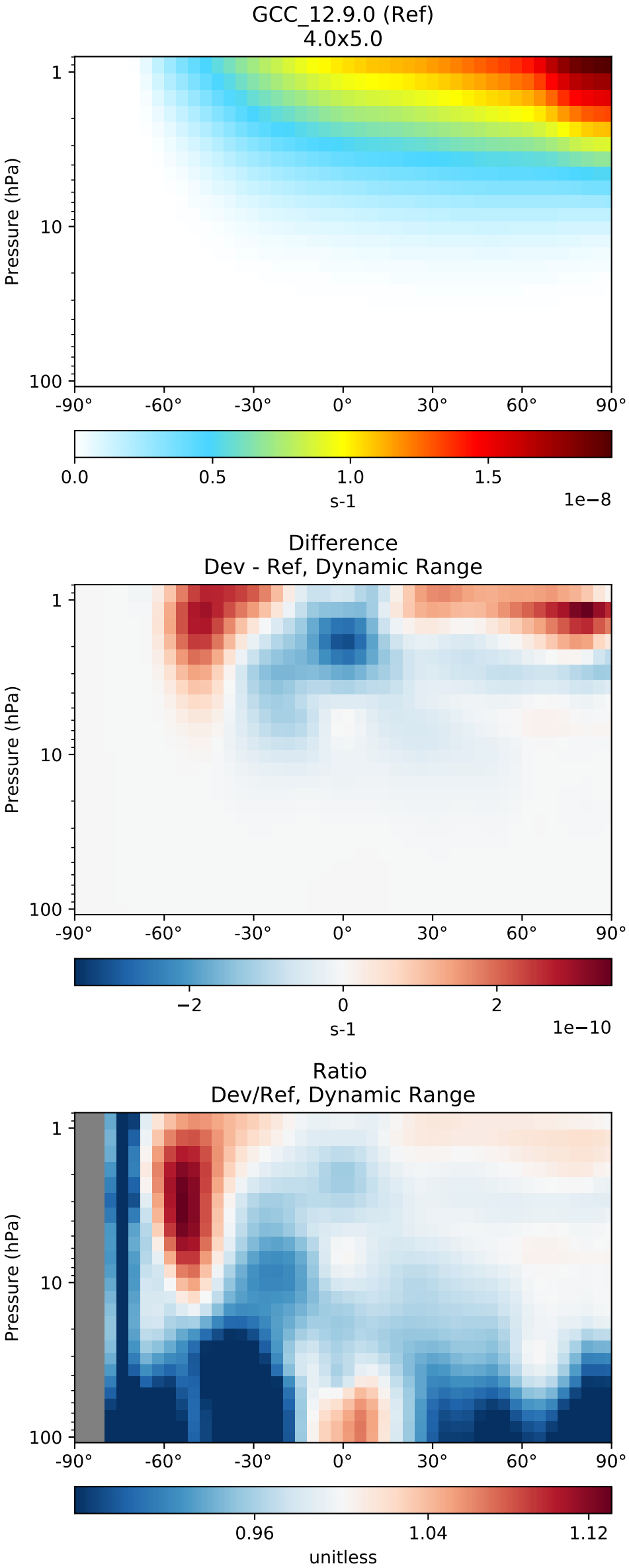


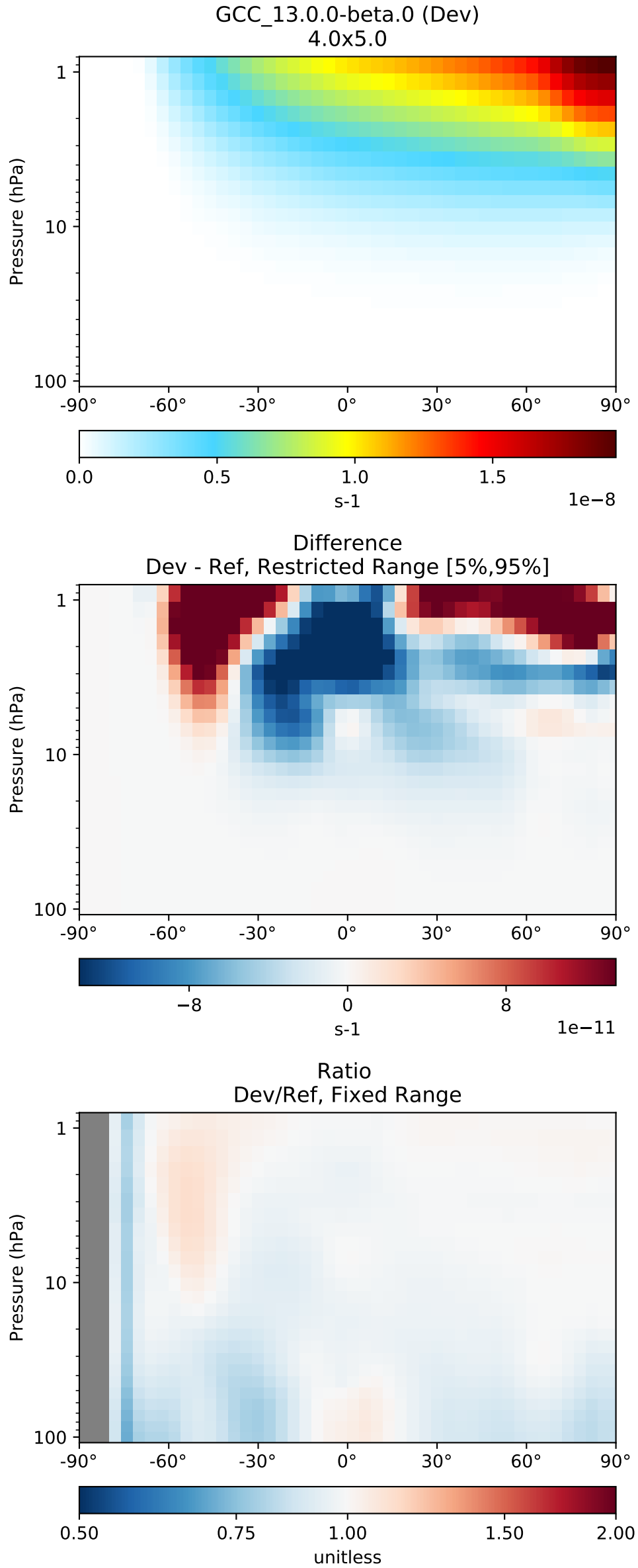
Jval_HCFC141b, Zonal Mean



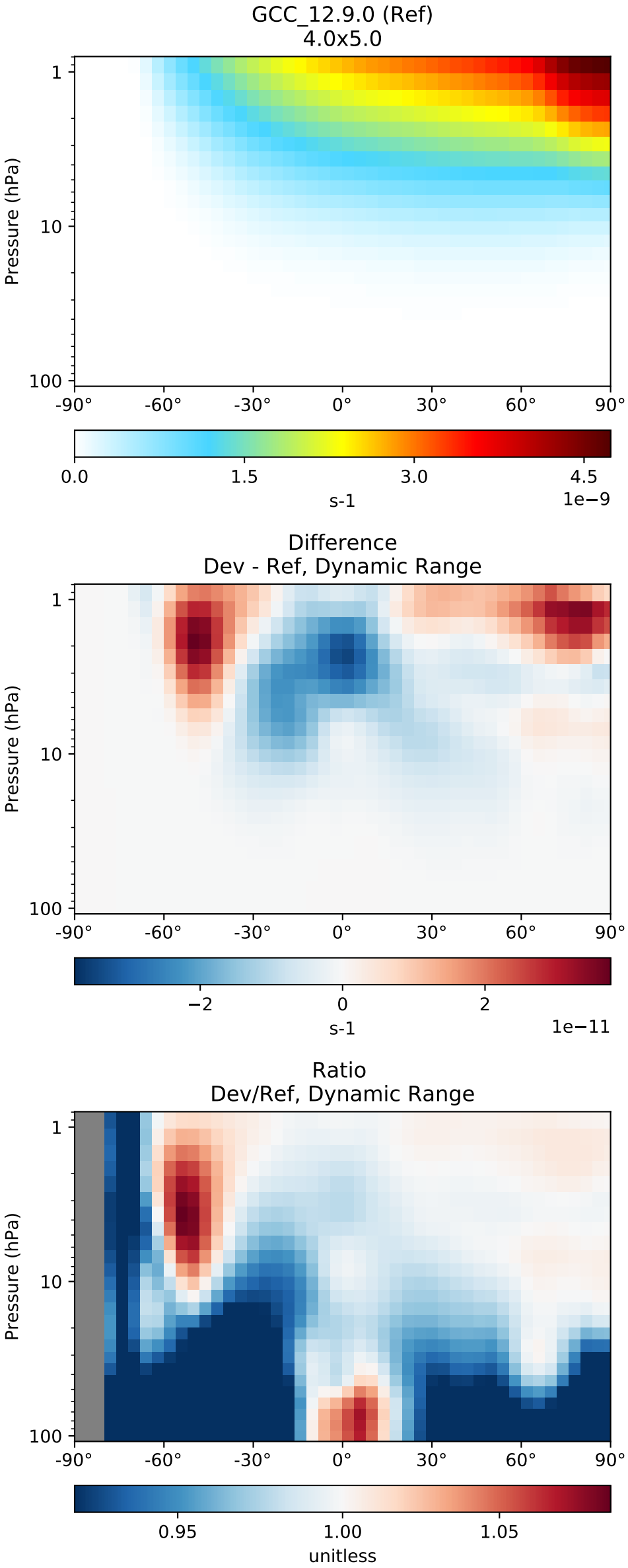


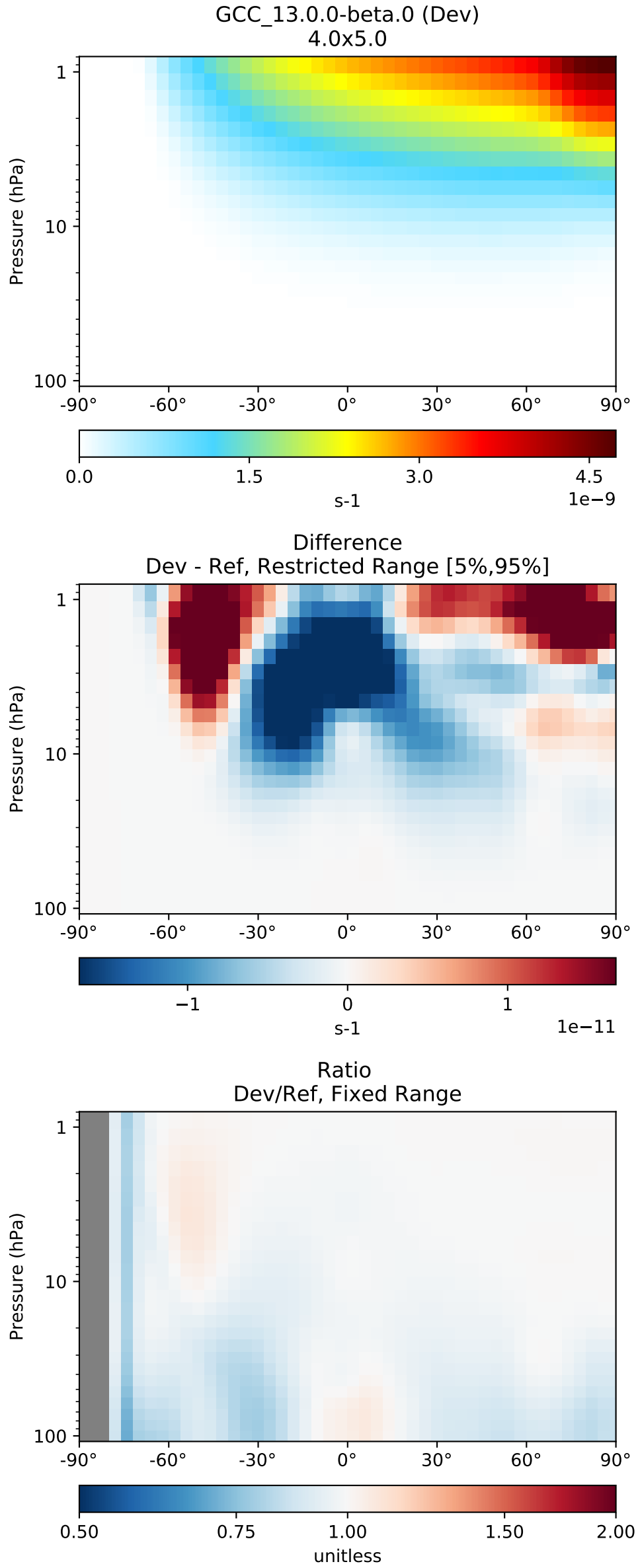
Jval_HCFC142b, Zonal Mean



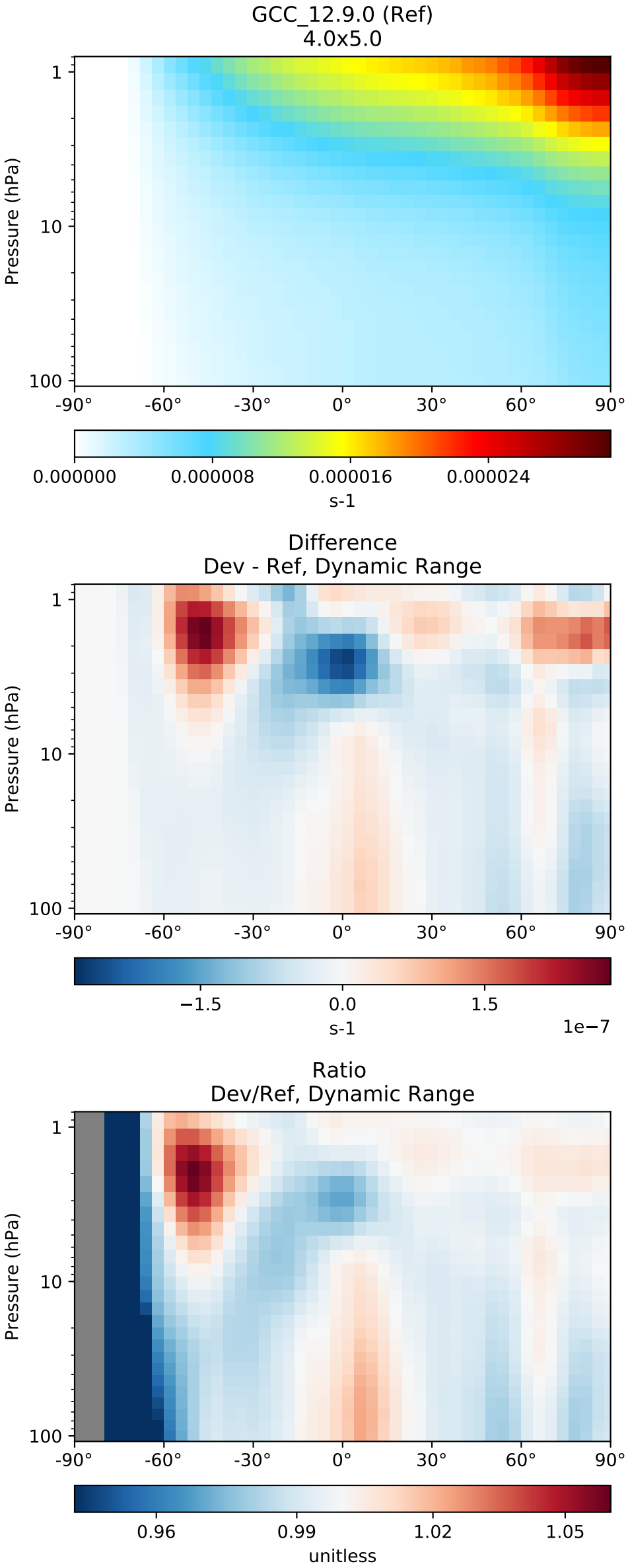


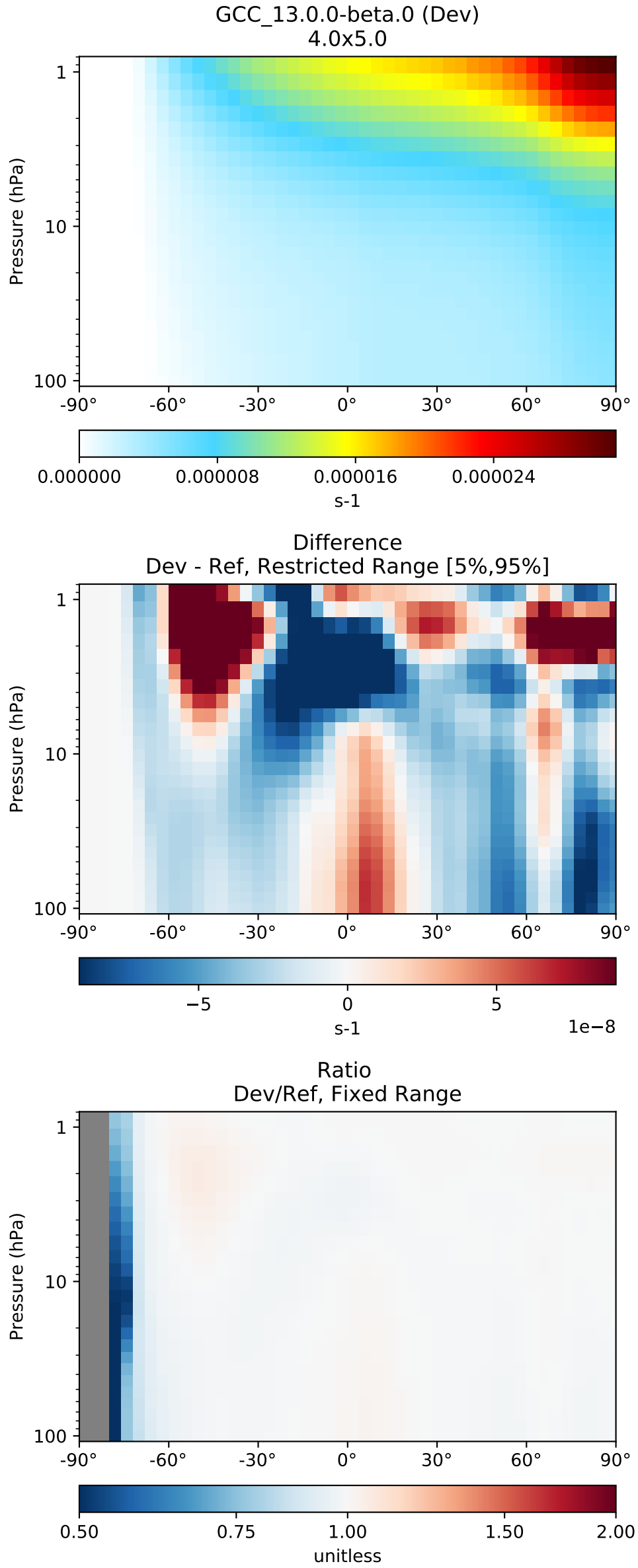
Jval_HCFC22, Zonal Mean



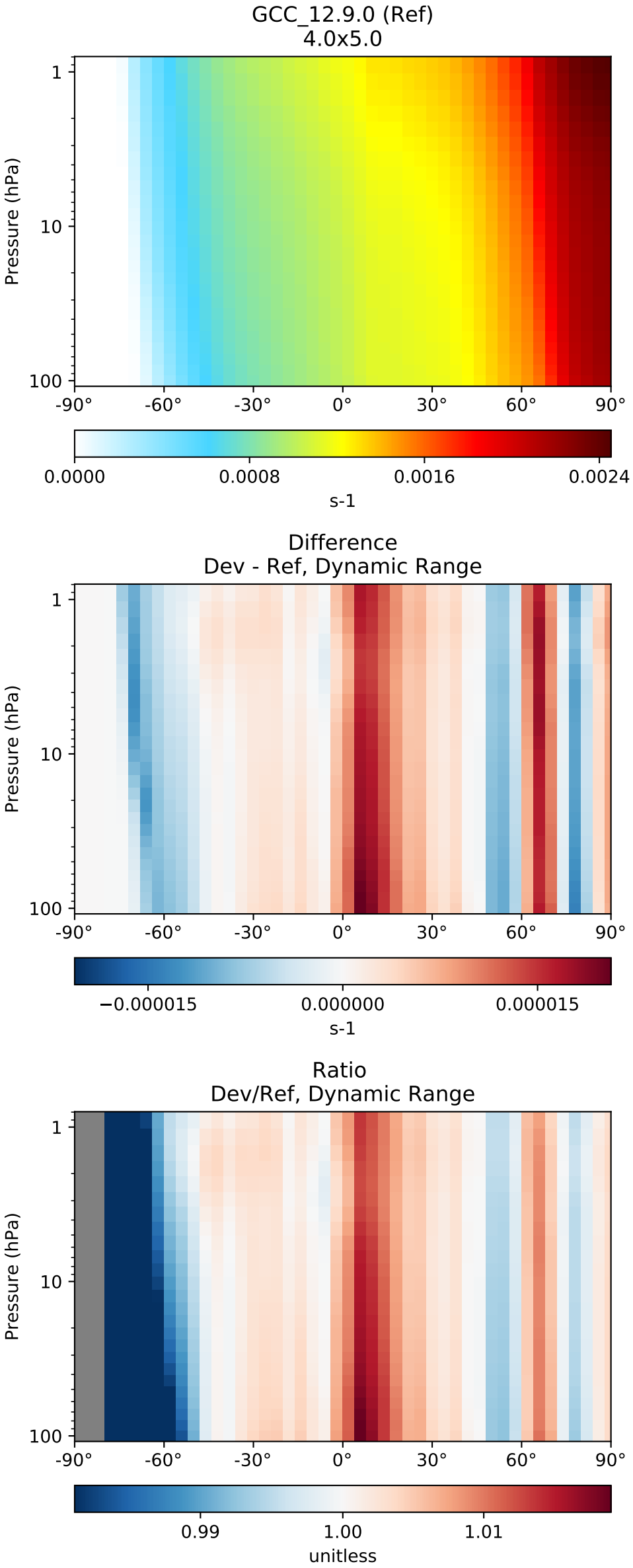


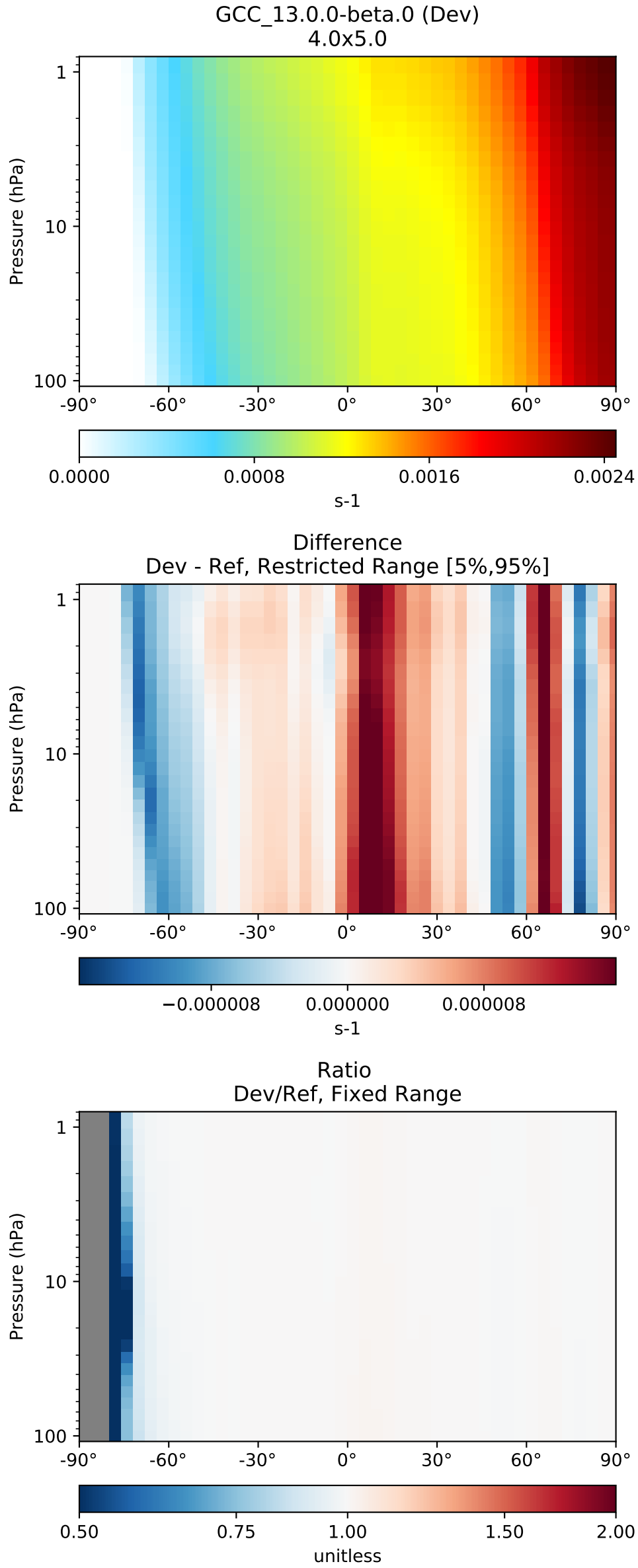
Jval_HMHP, Zonal Mean



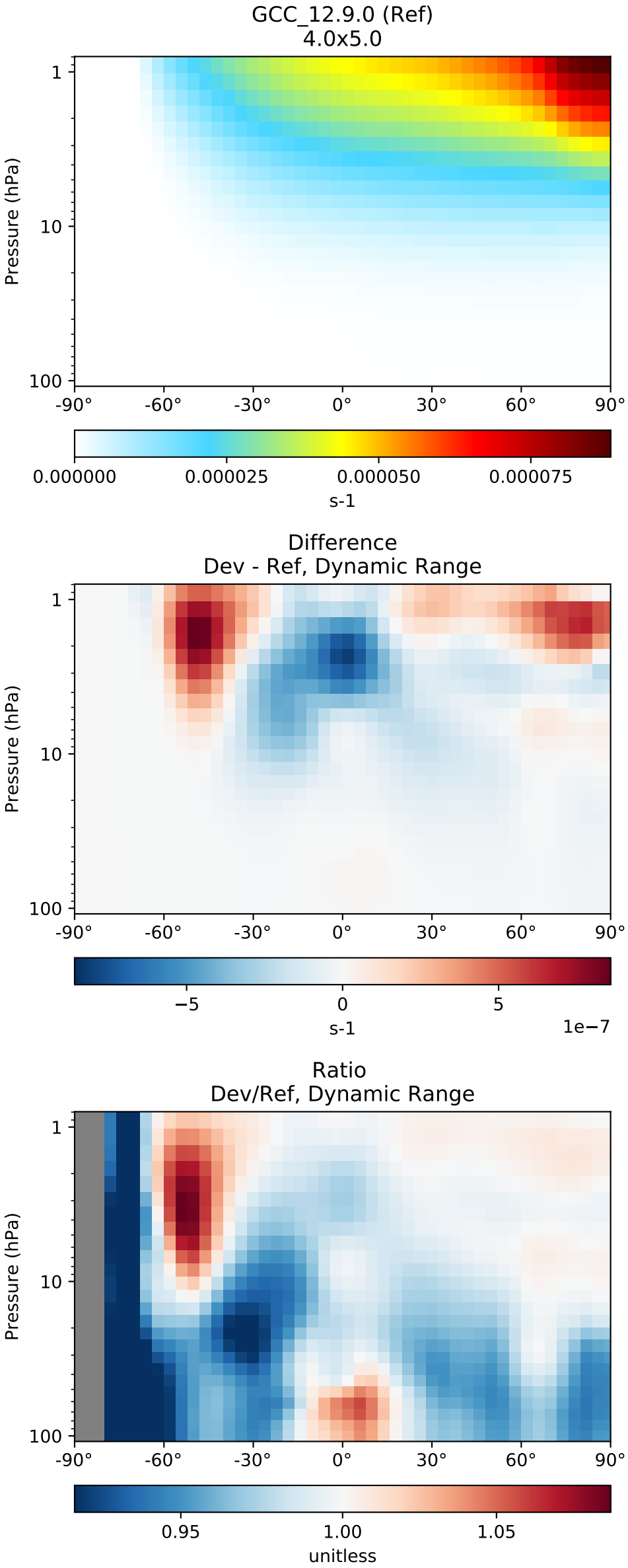


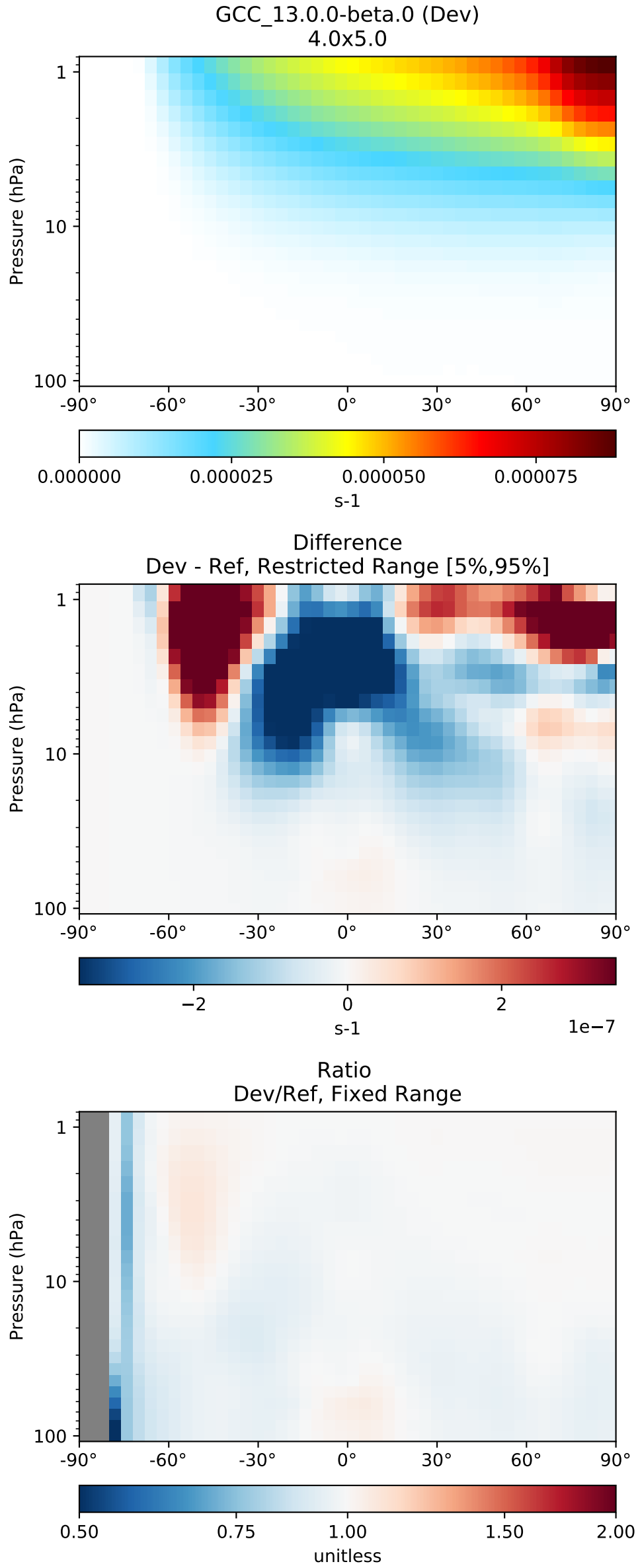
Jval_HNO2, Zonal Mean



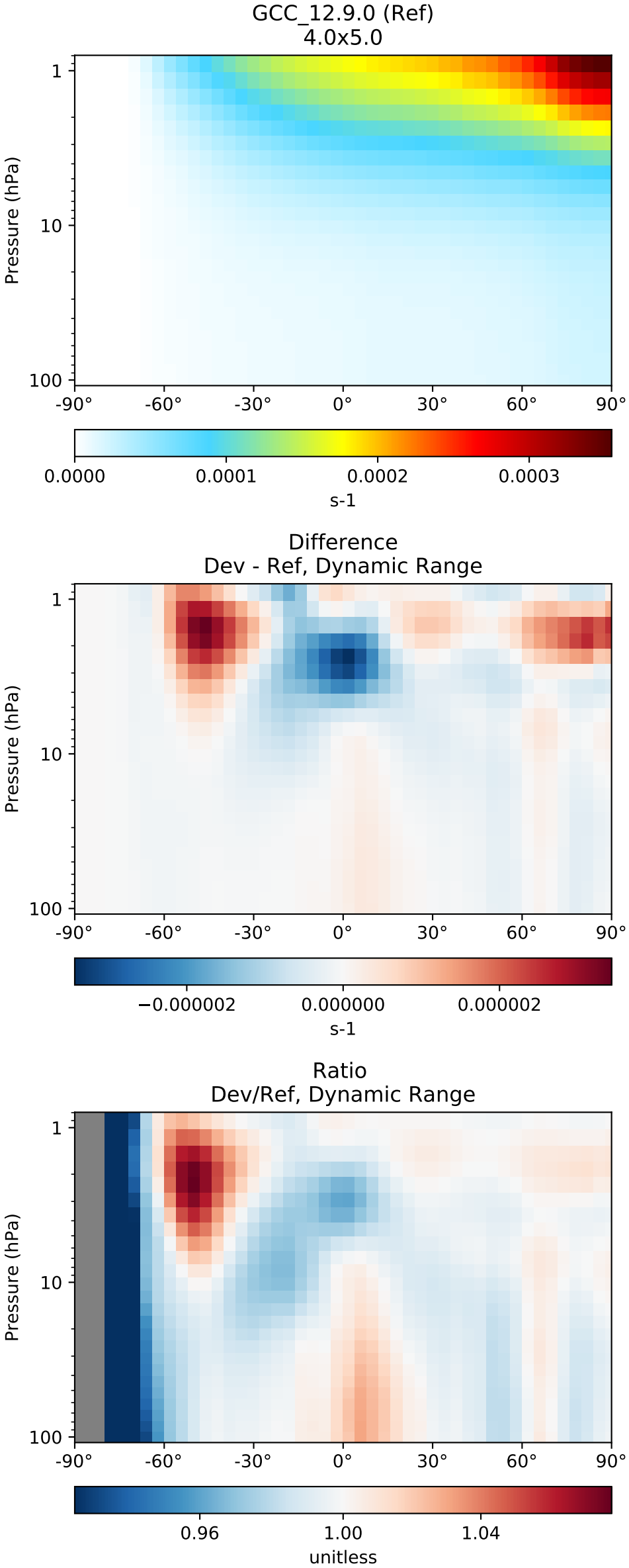


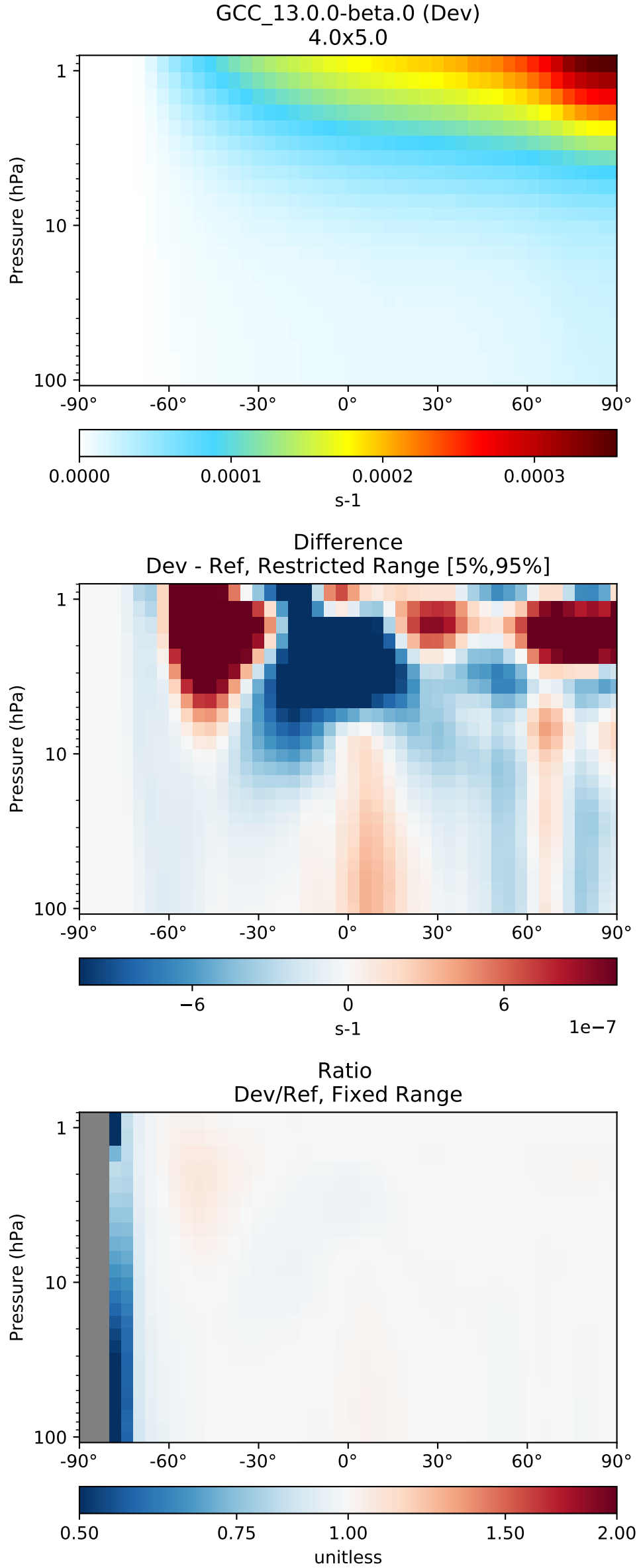
Jval_HNO3, Zonal Mean





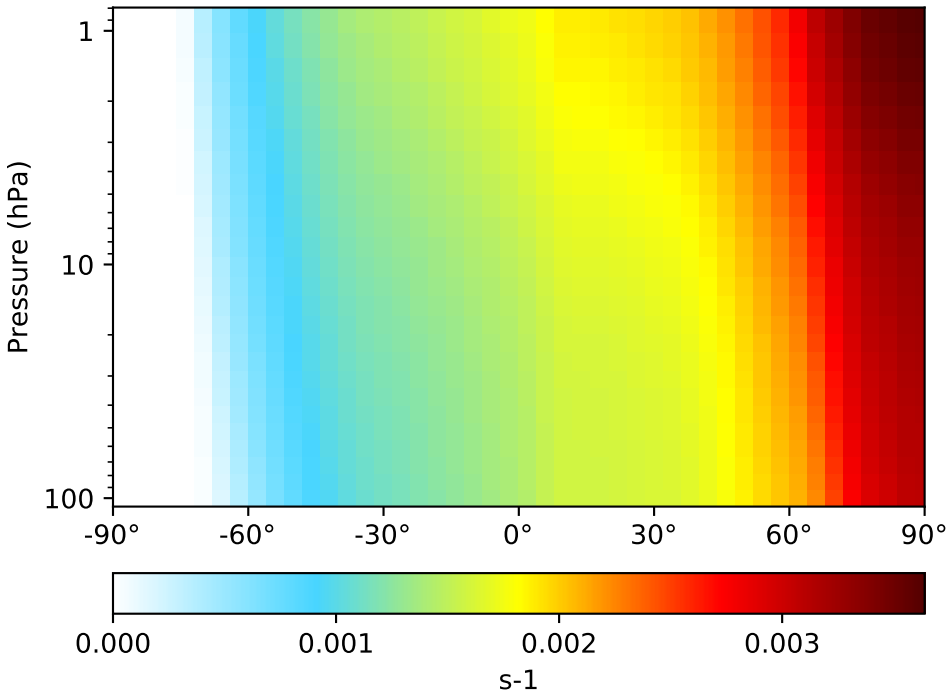
Jval_HNO4, Zonal Mean



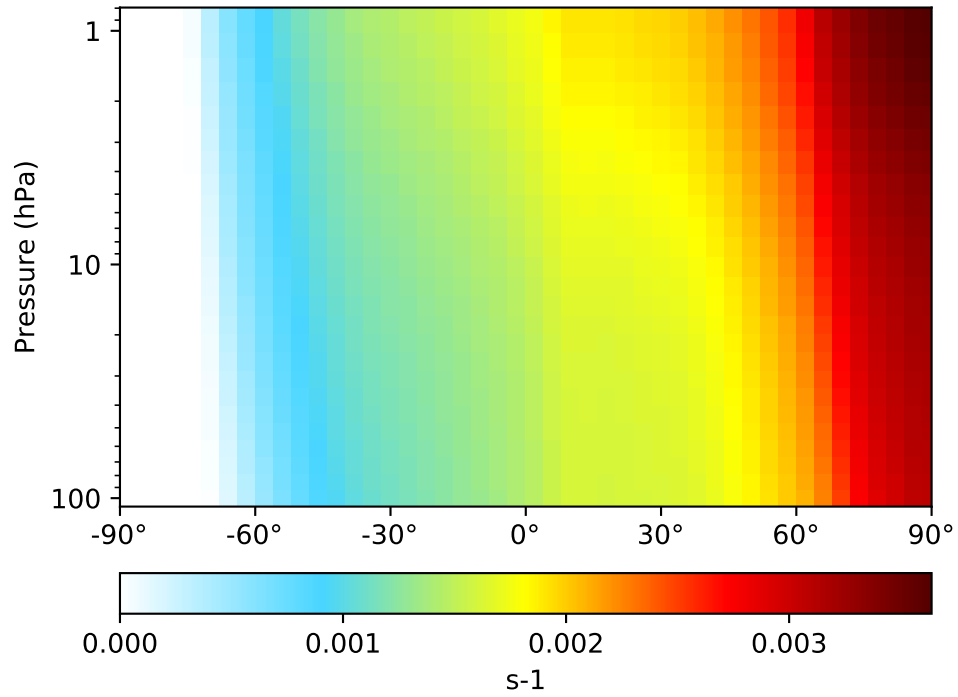


Jval_HOBr, Zonal Mean

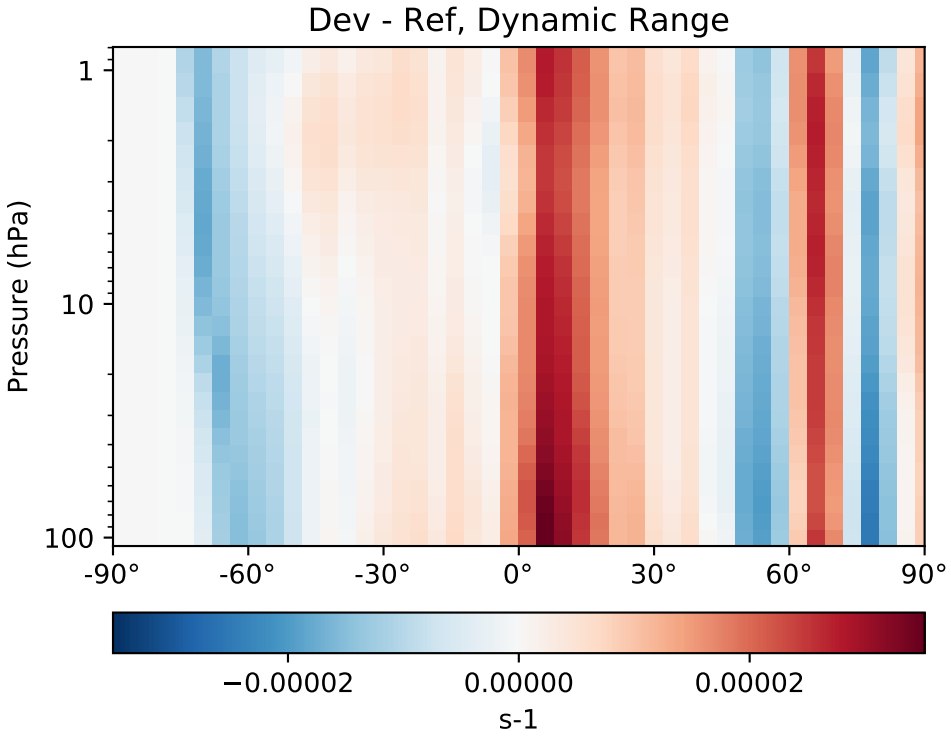
GCC_12.9.0 (Ref)
4.0x5.0



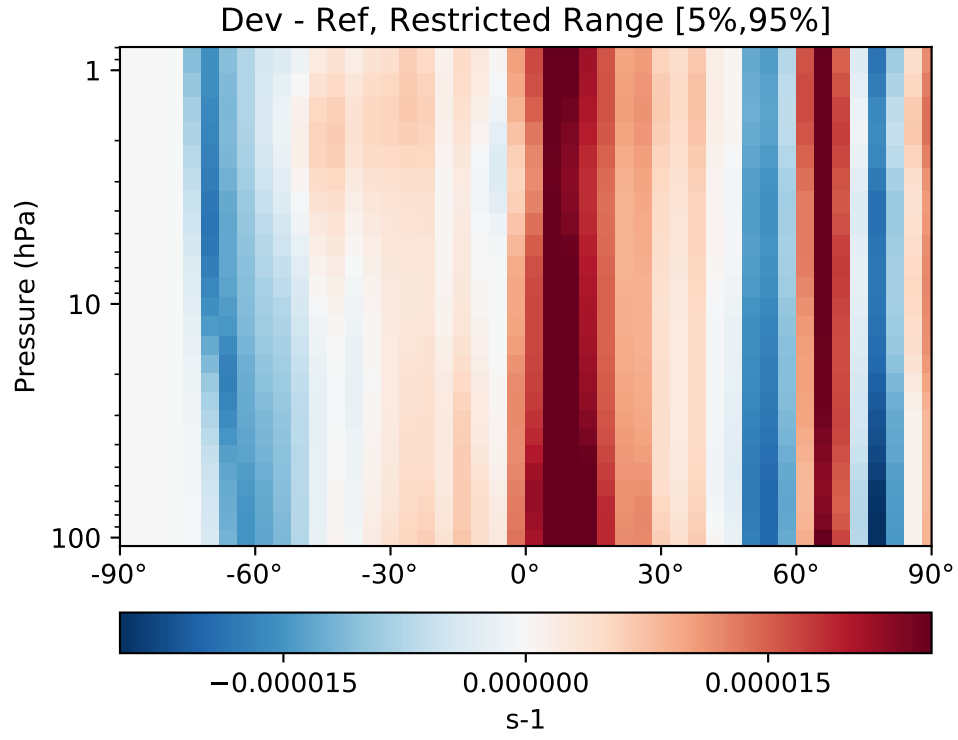
GCC_13.0.0-beta.0 (Dev)
4.0x5.0



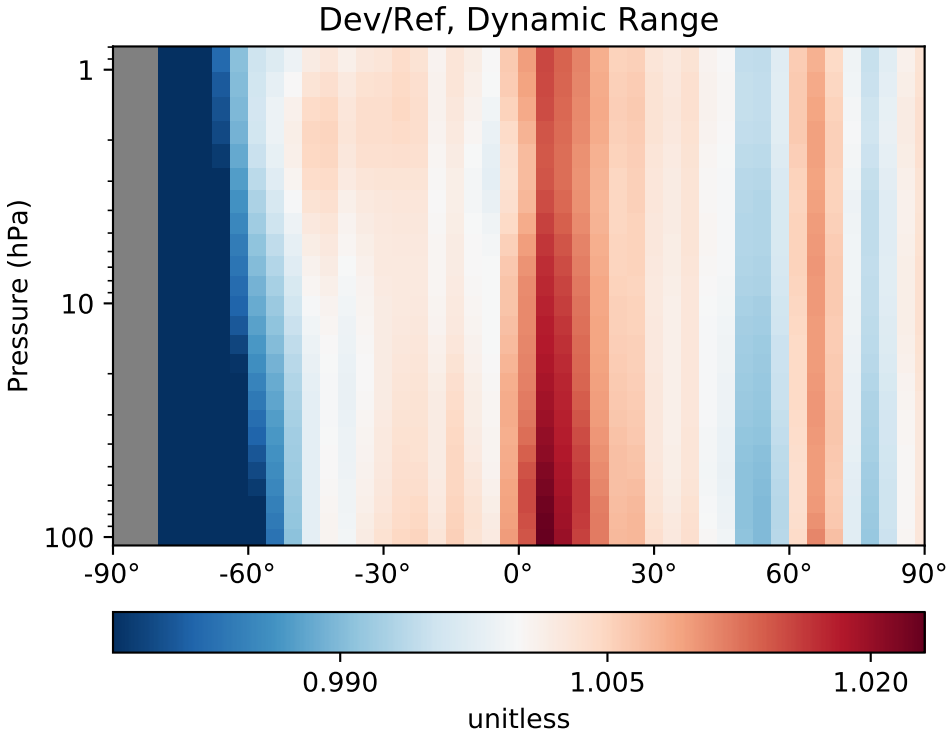
Difference
Dev - Ref, Dynamic Range



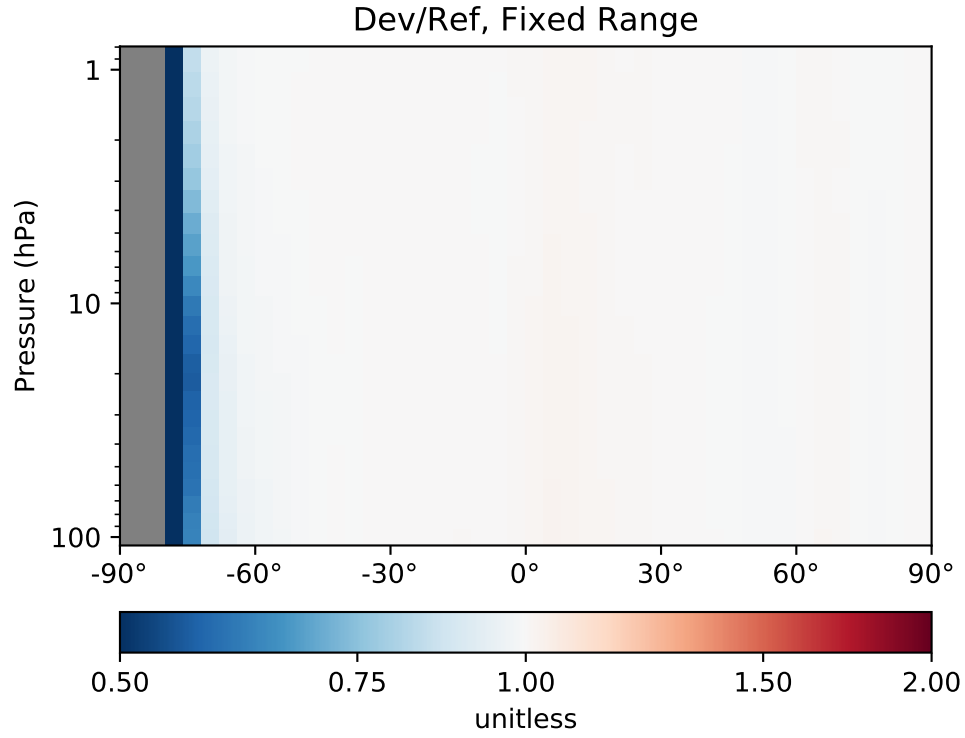
Difference
Dev - Ref, Restricted Range [5%,95%]



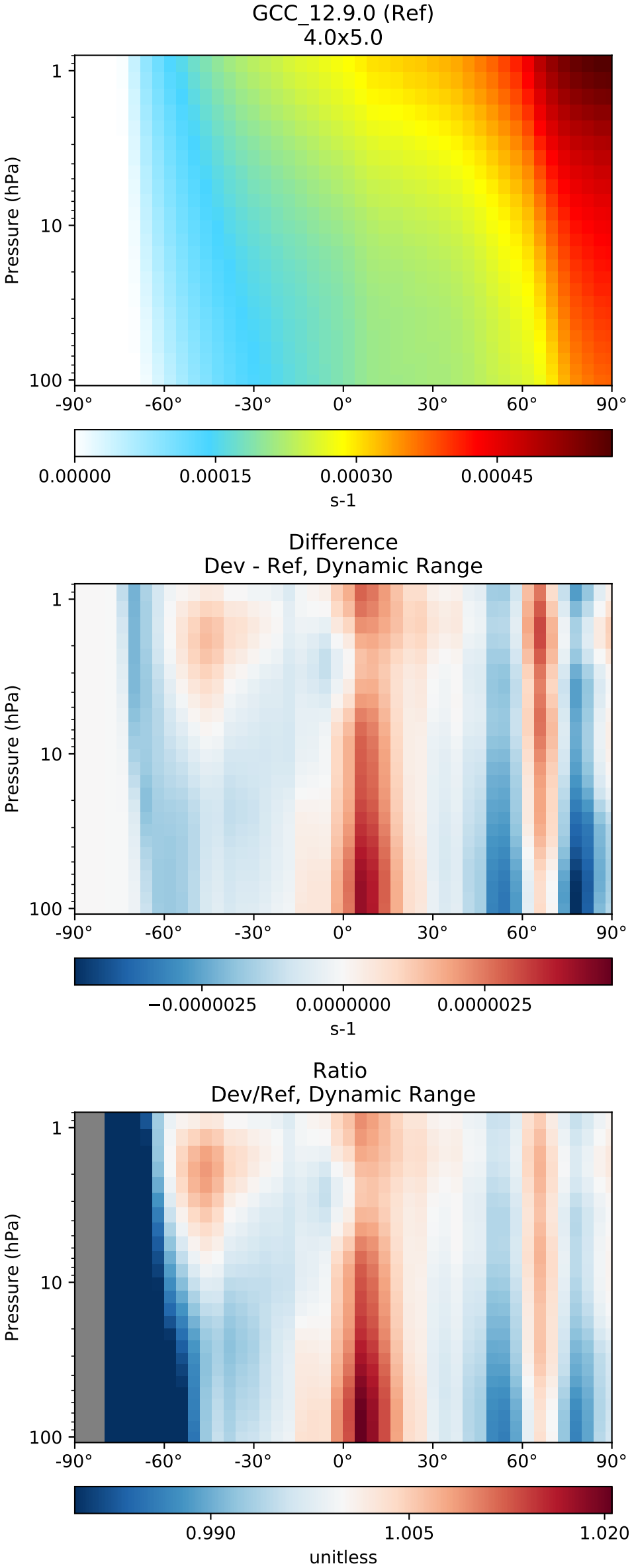
Ratio
Dev/Ref, Dynamic Range

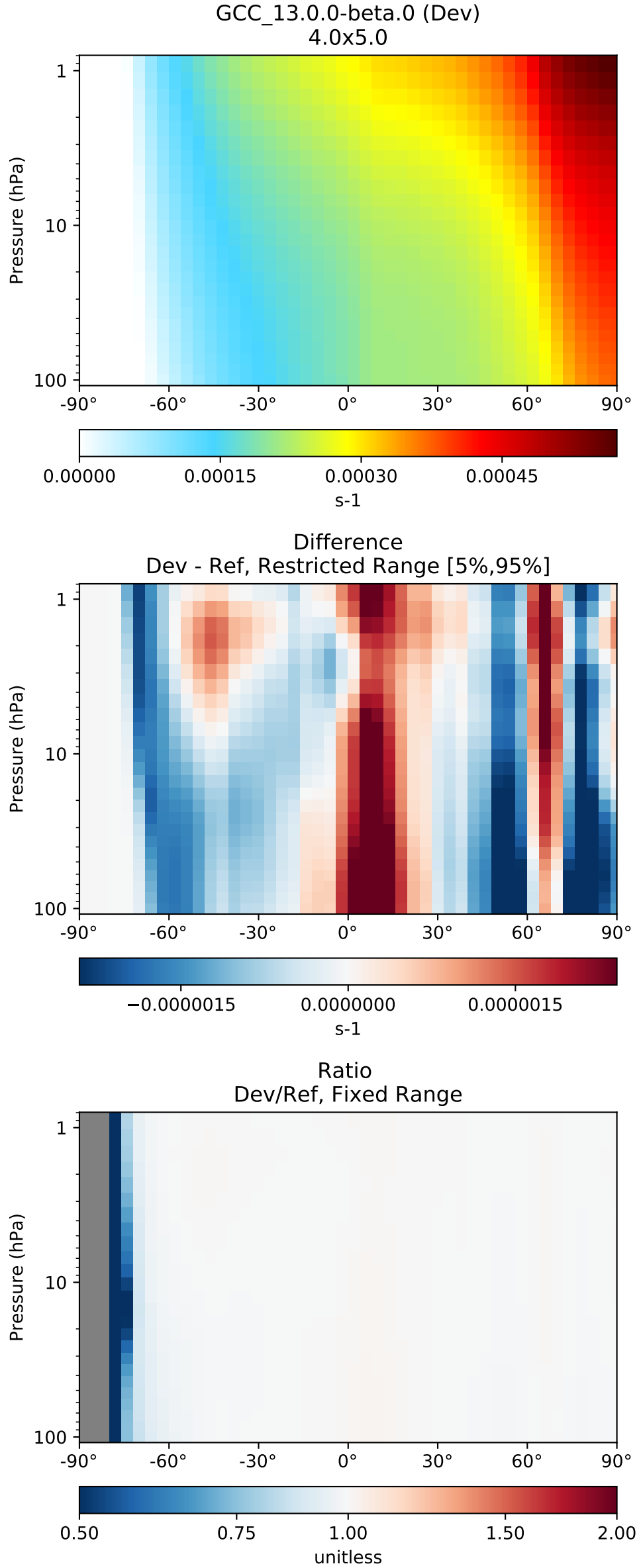


Ratio
Dev/Ref, Fixed Range

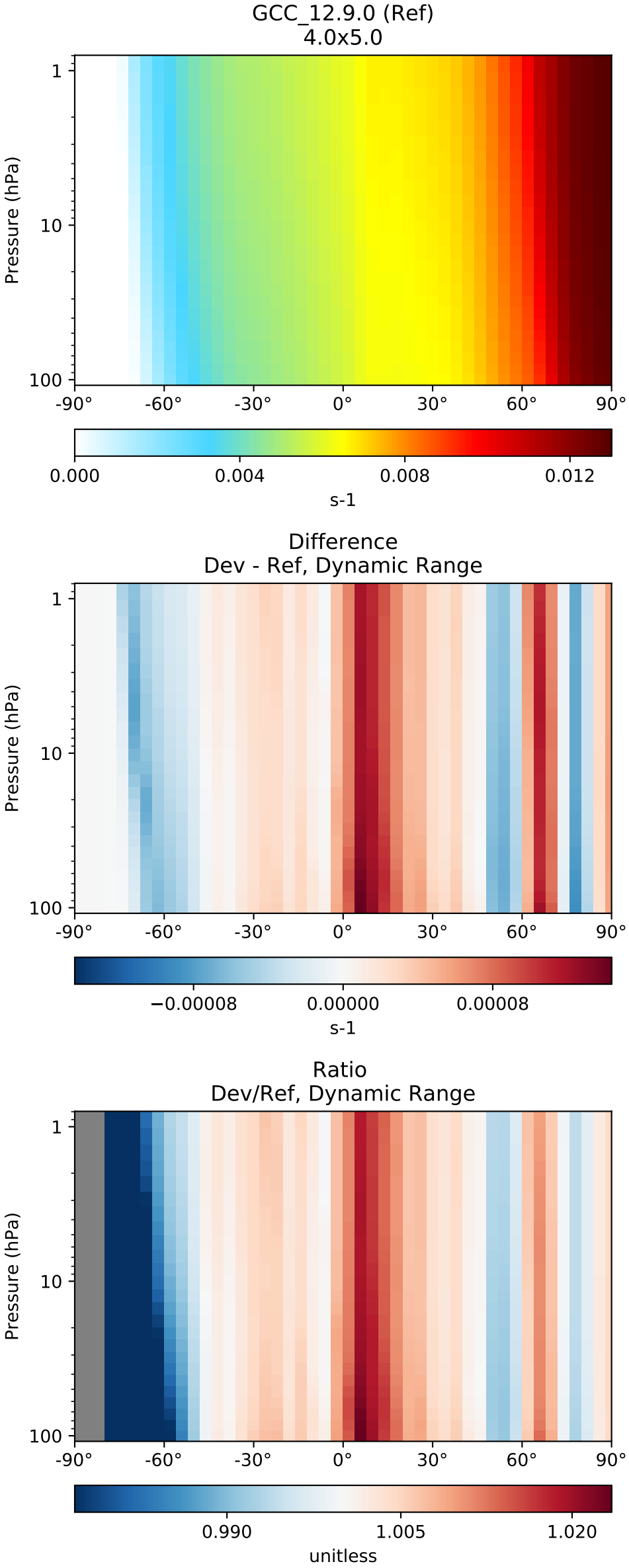


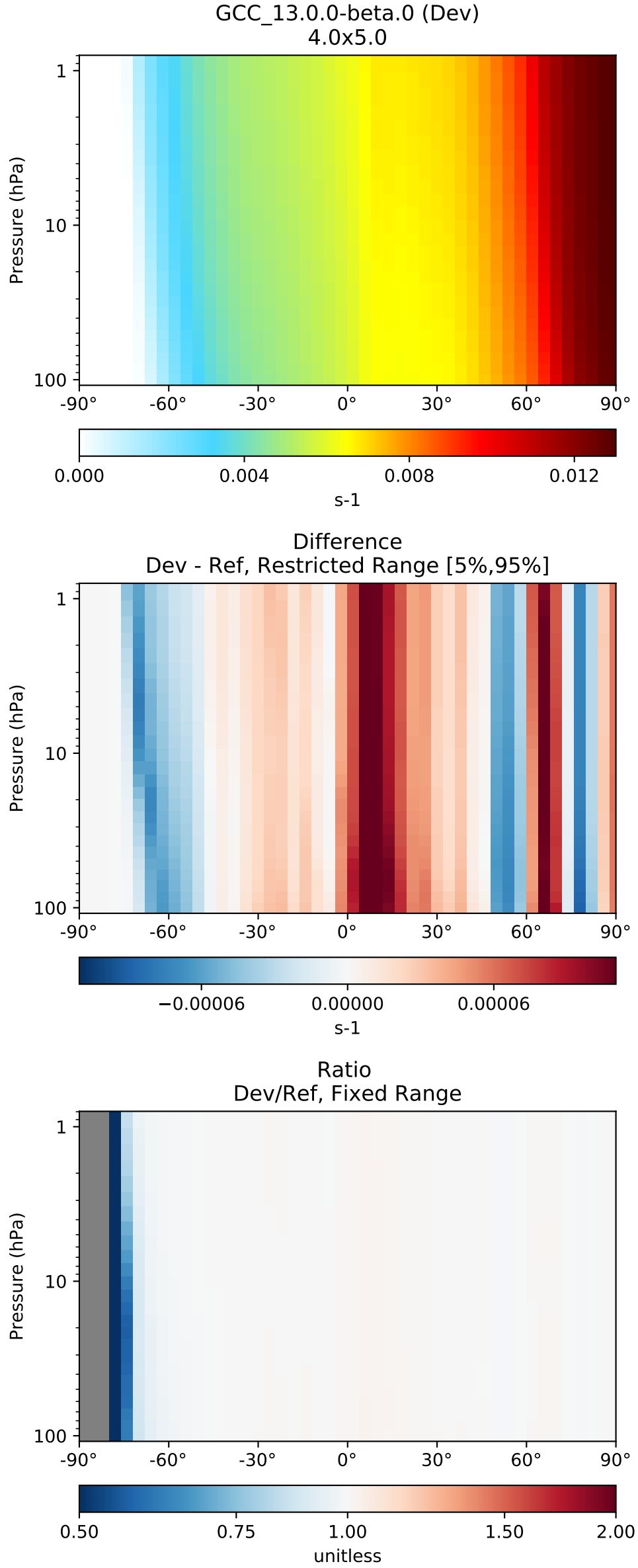
Jval_HOCl, Zonal Mean



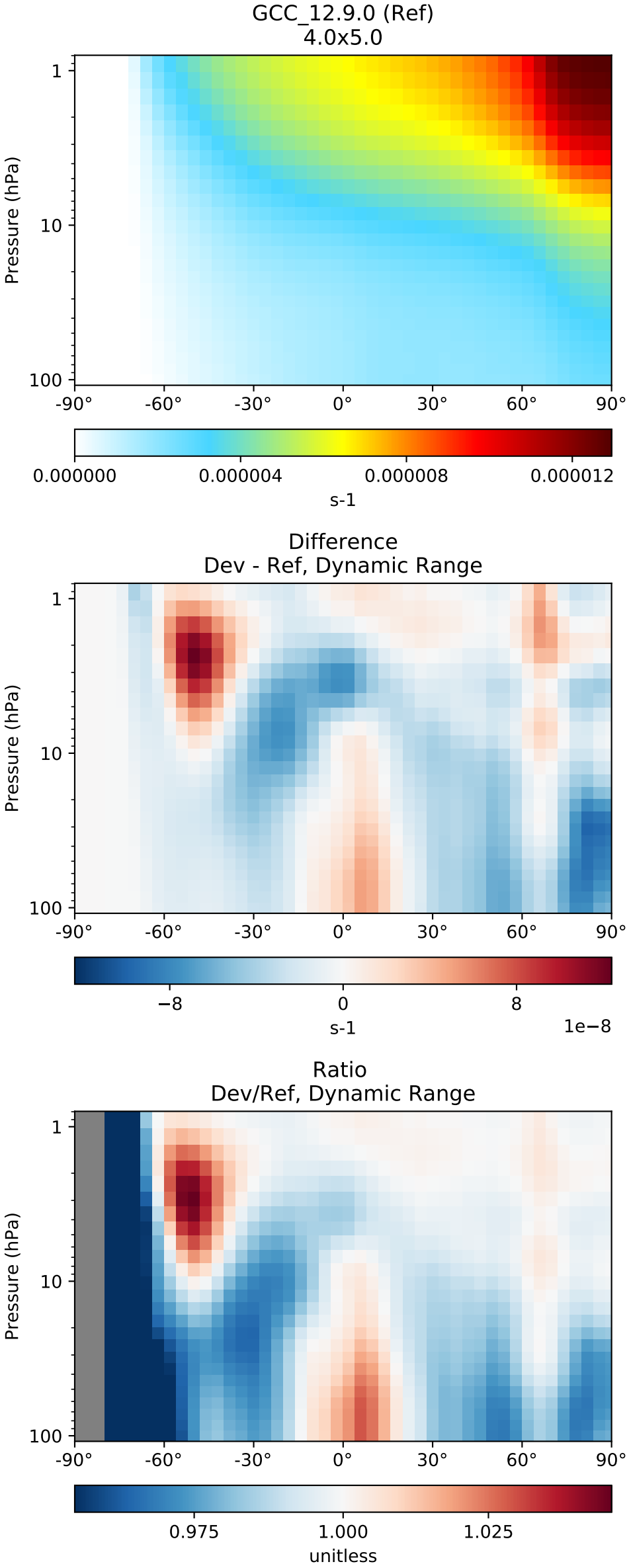


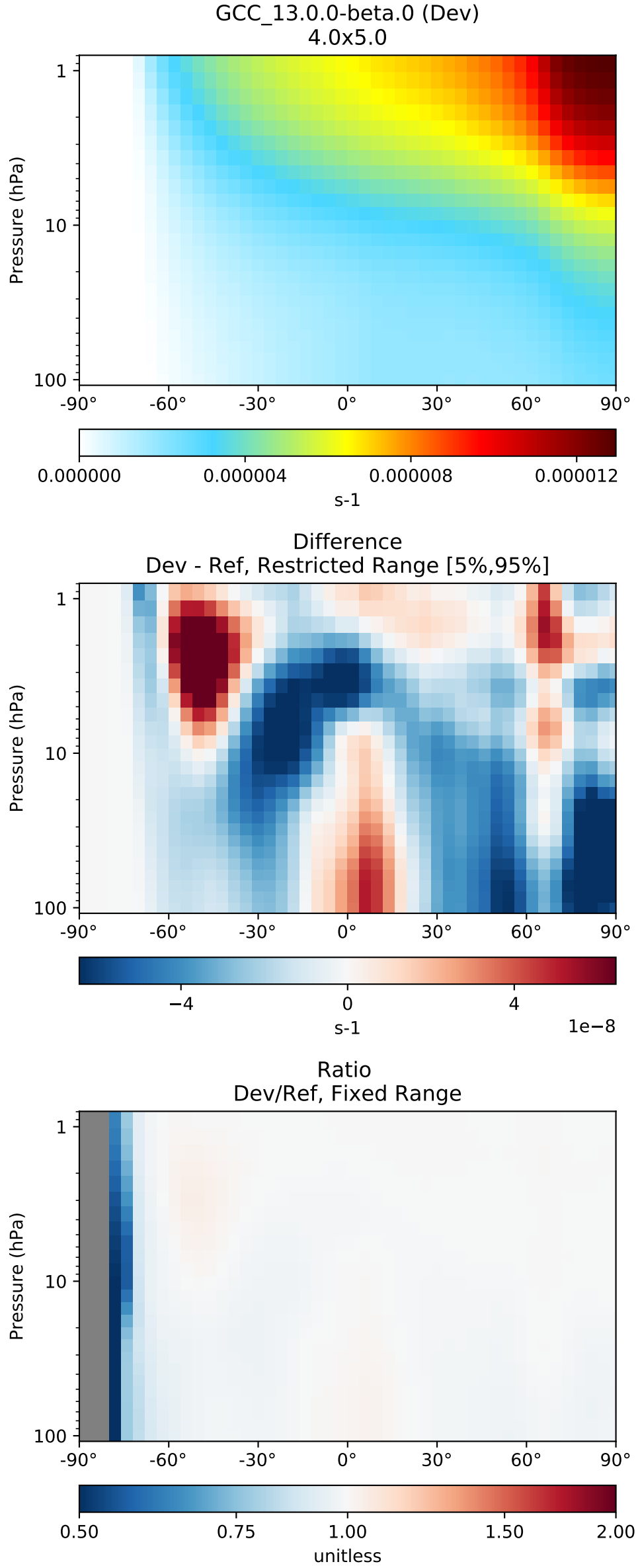
Jval_HOI, Zonal Mean



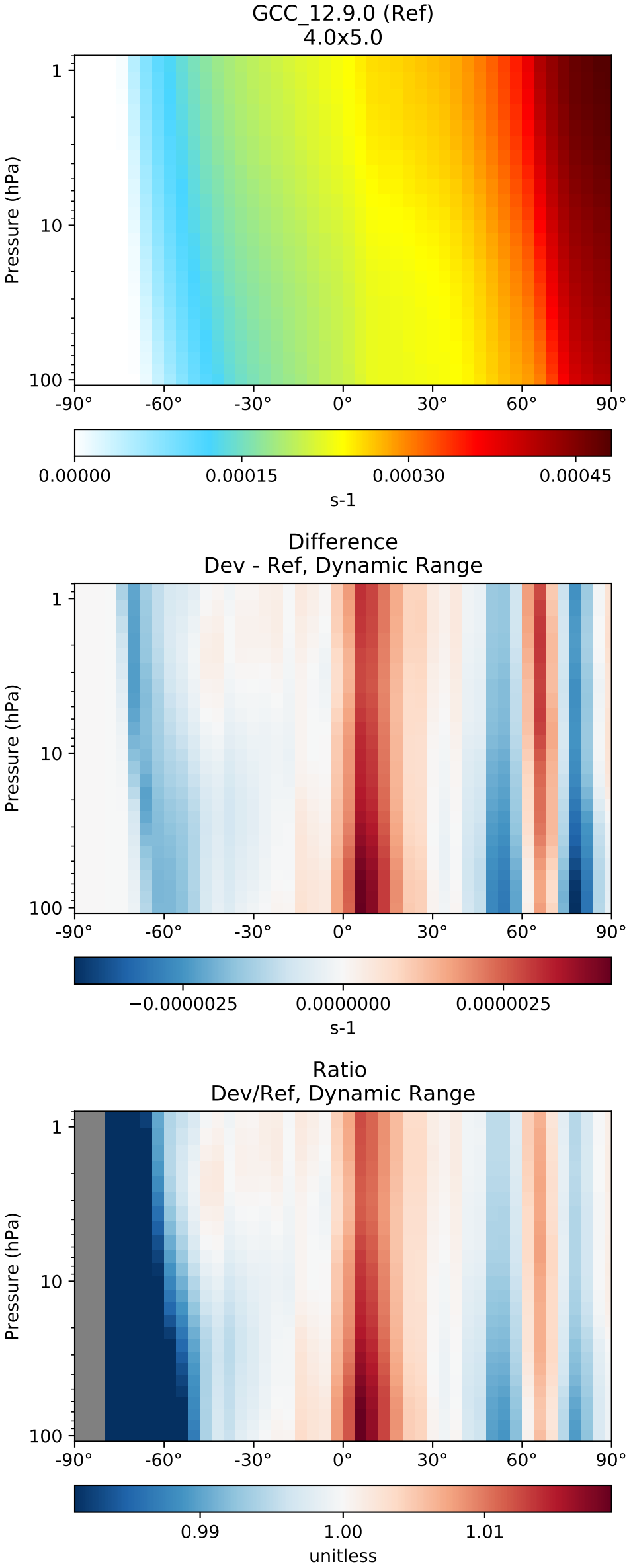


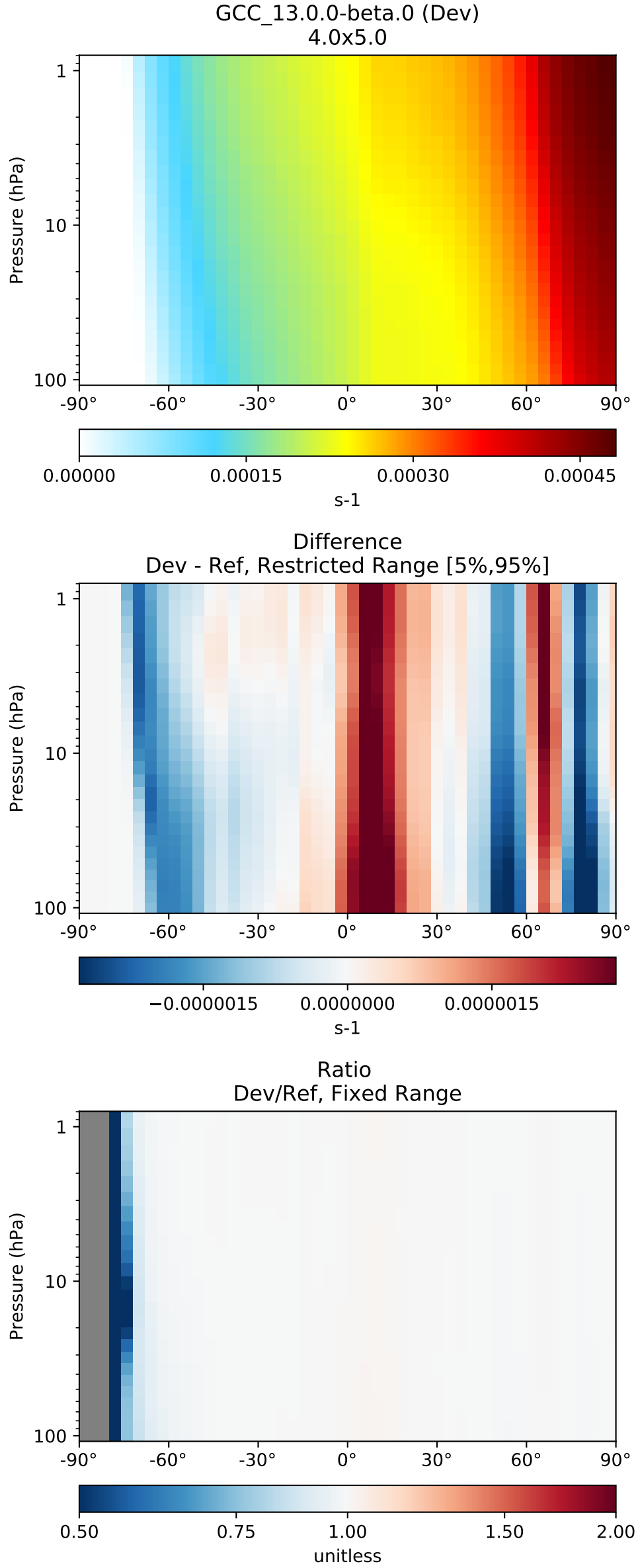
Jval_HONIT, Zonal Mean



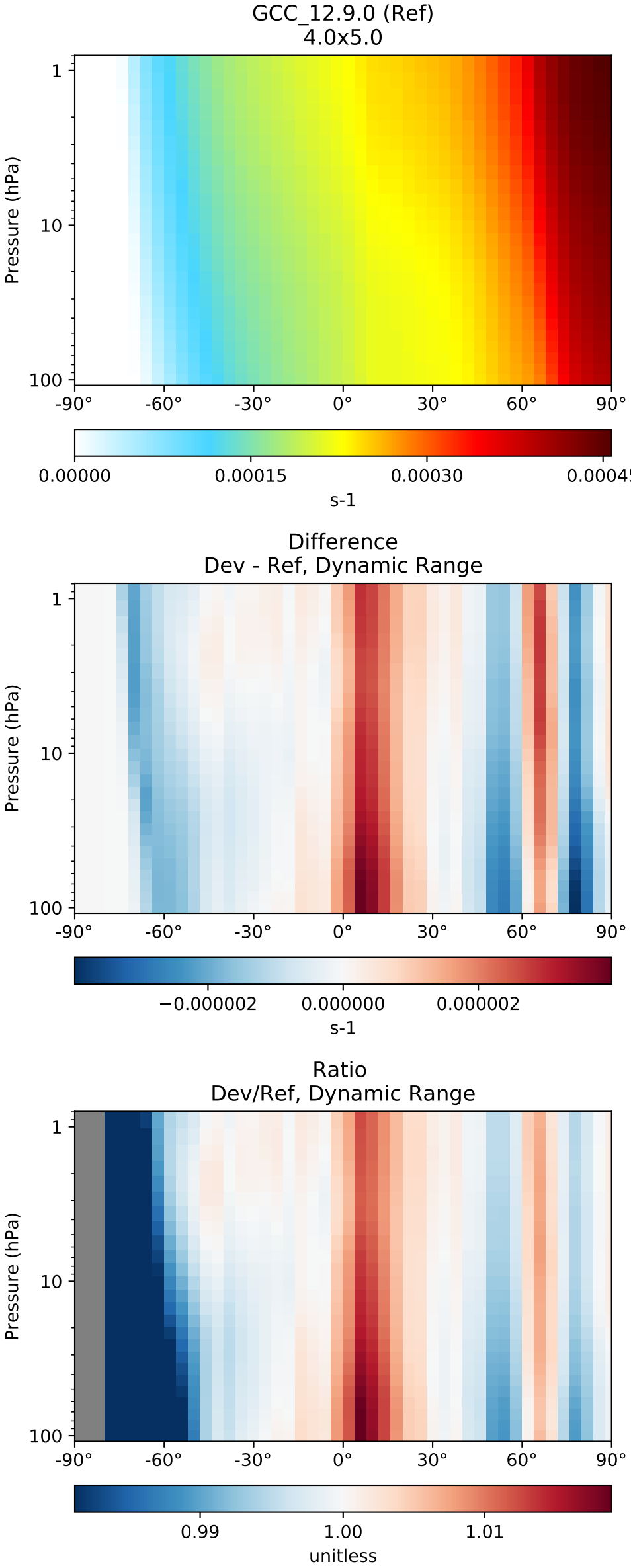


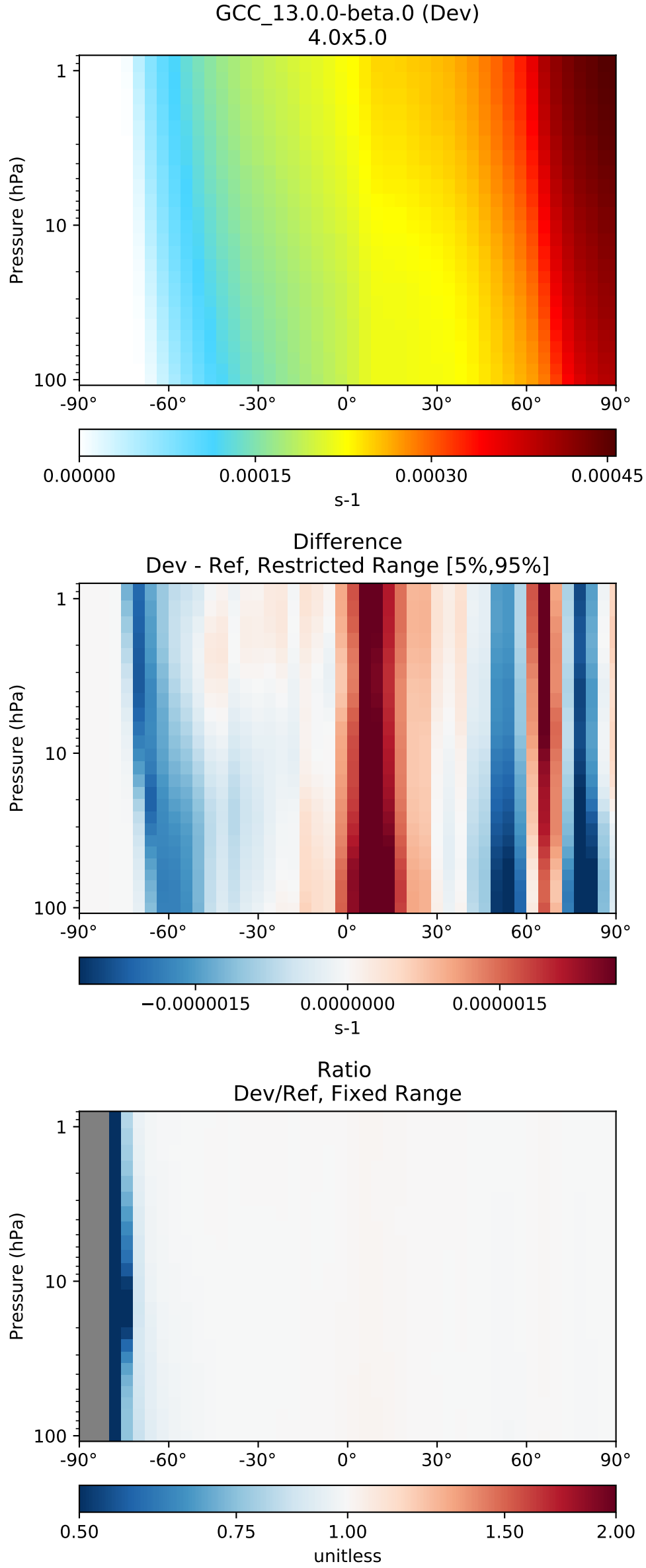
Jval_HPALD1, Zonal Mean



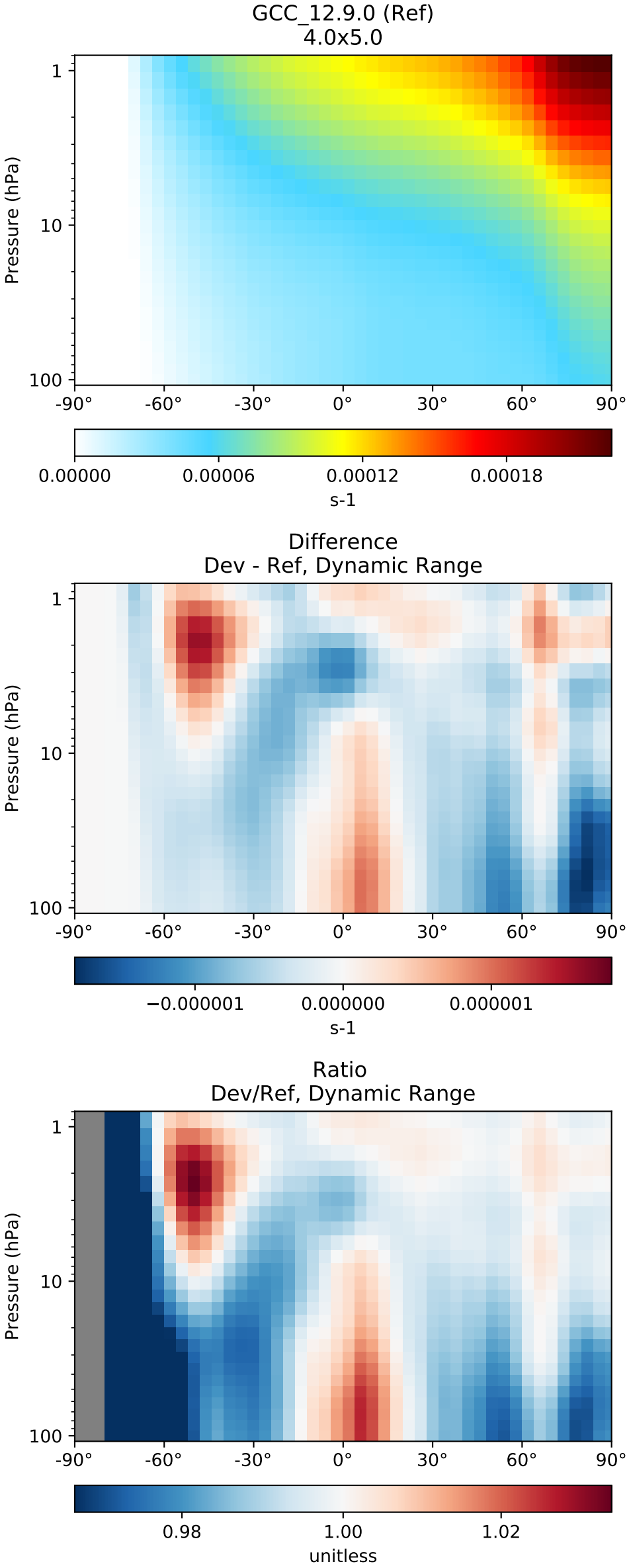


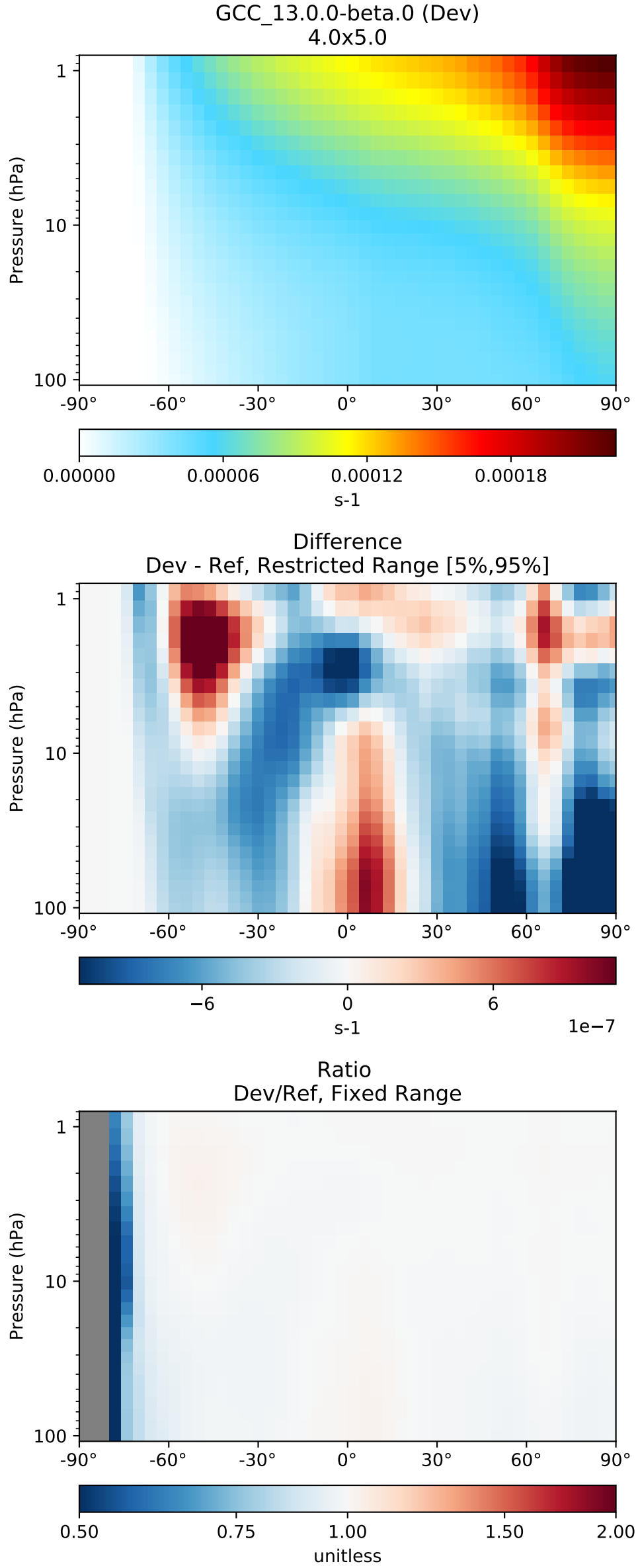
Jval_HPALD2, Zonal Mean



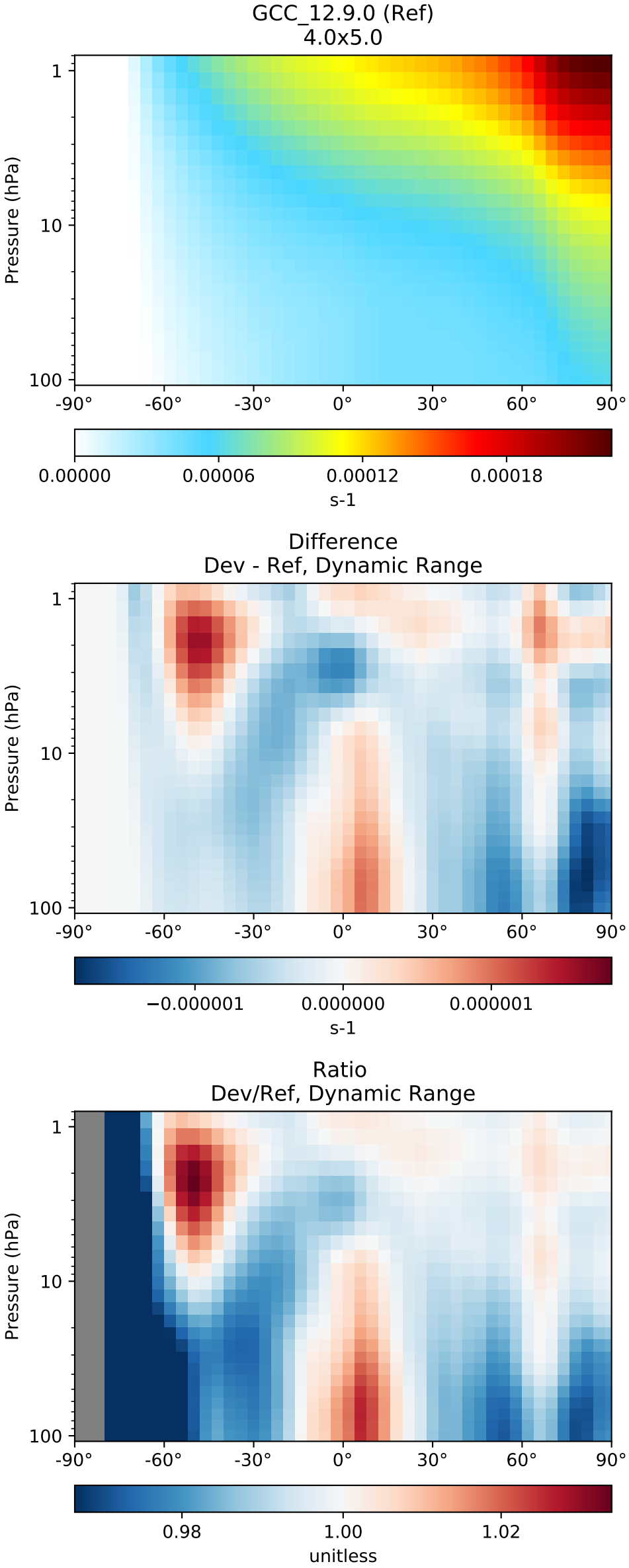


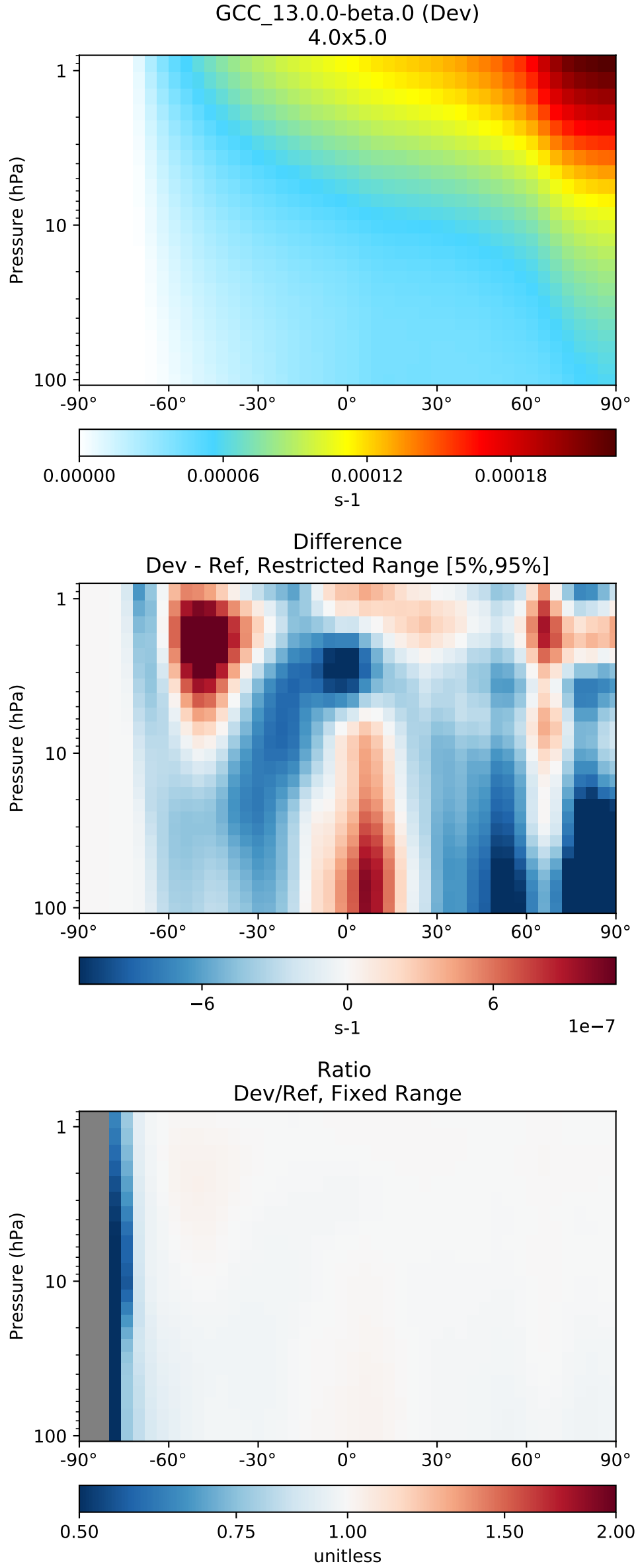
Jval_HPALD3, Zonal Mean



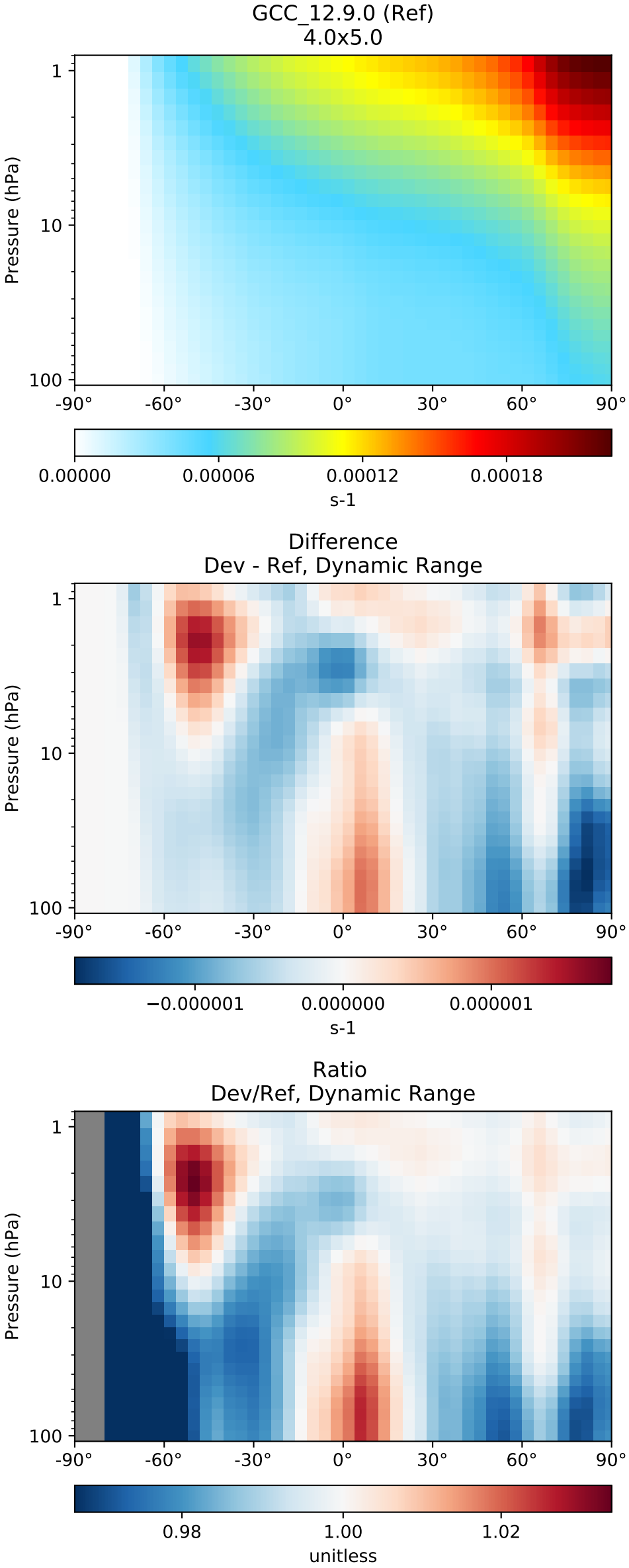


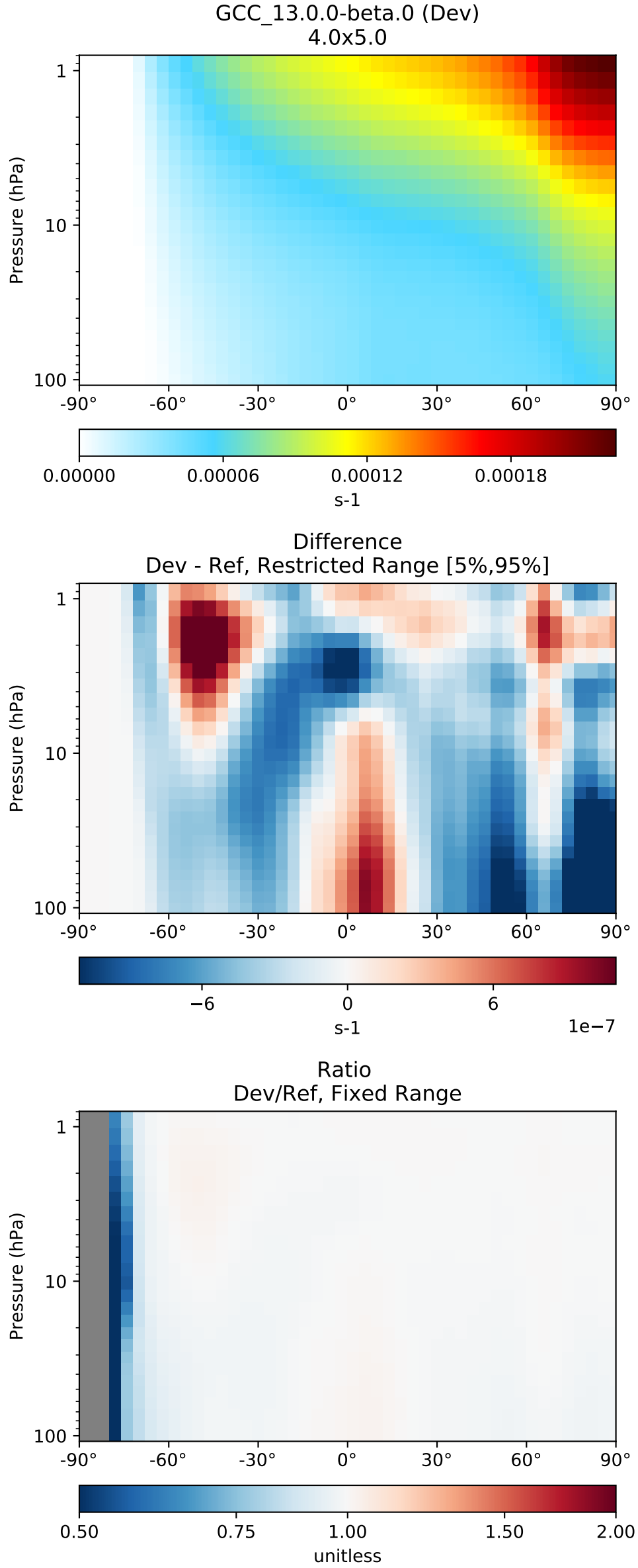
Jval_HPALD4, Zonal Mean



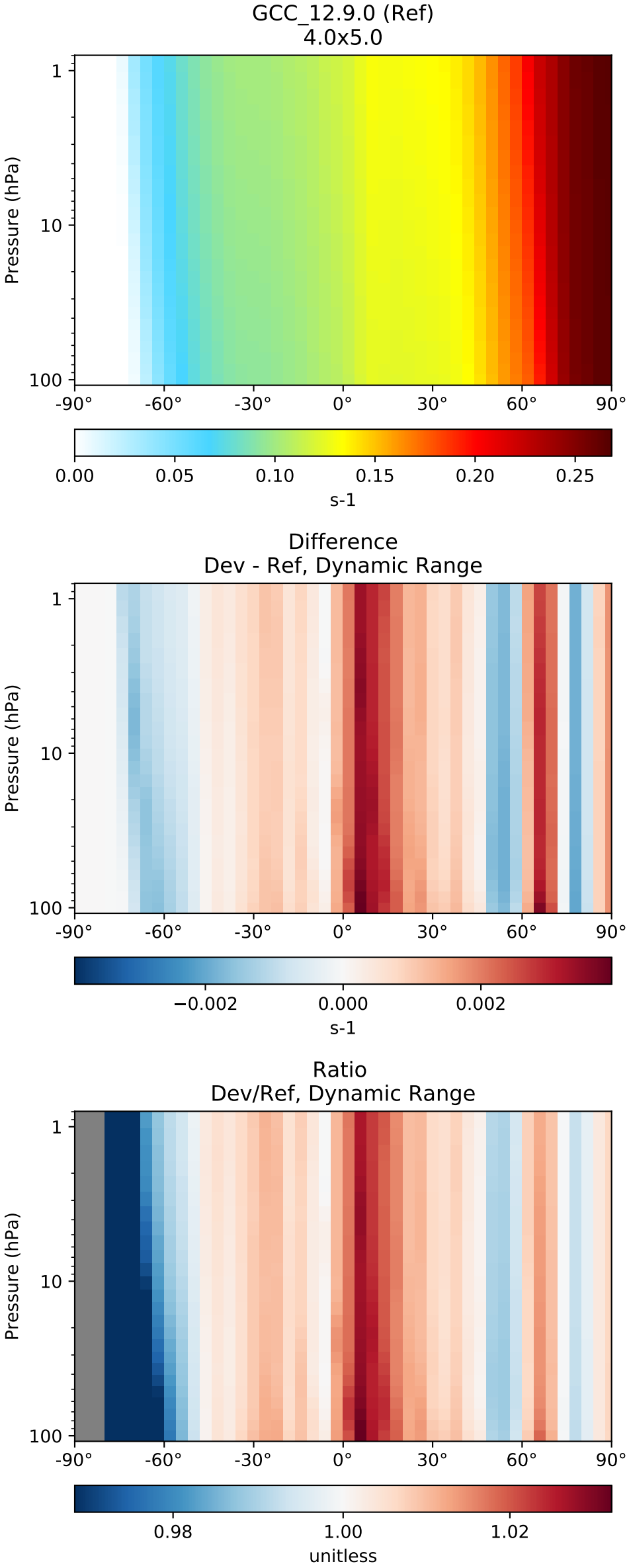


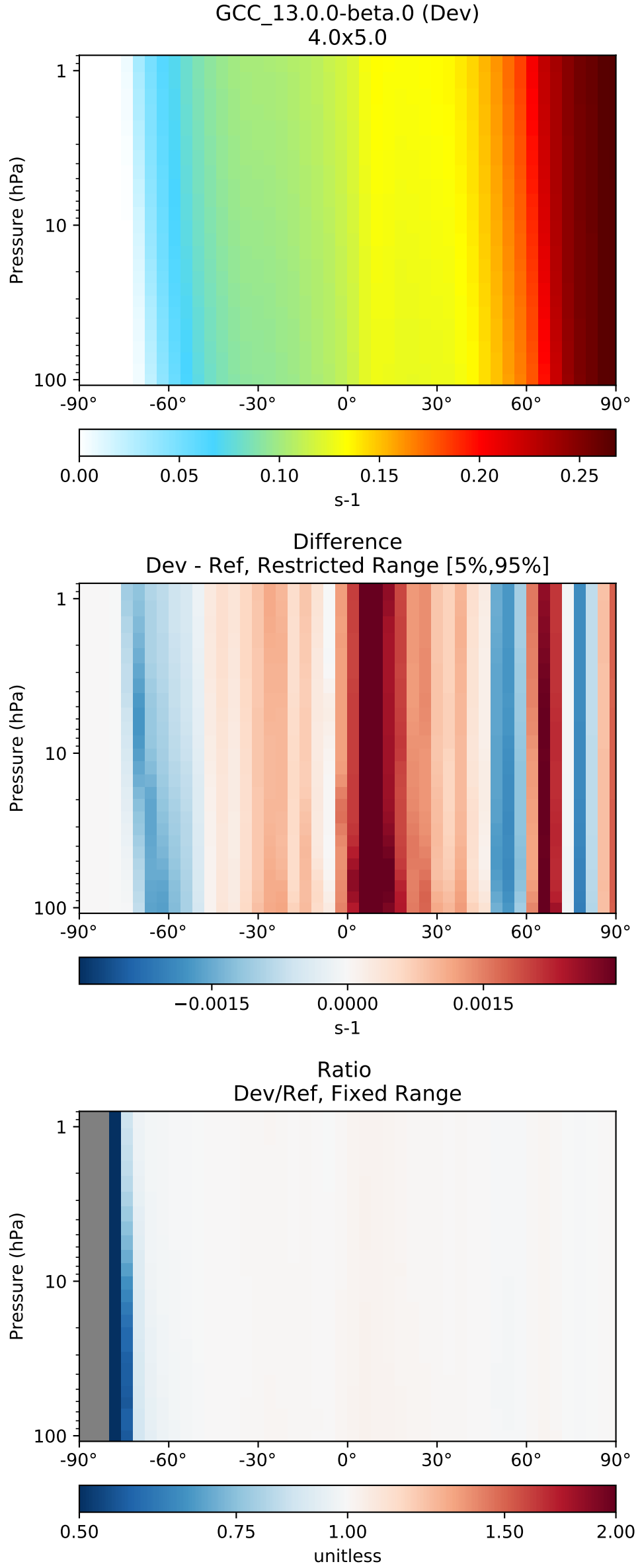
Jval_HPETHNL, Zonal Mean



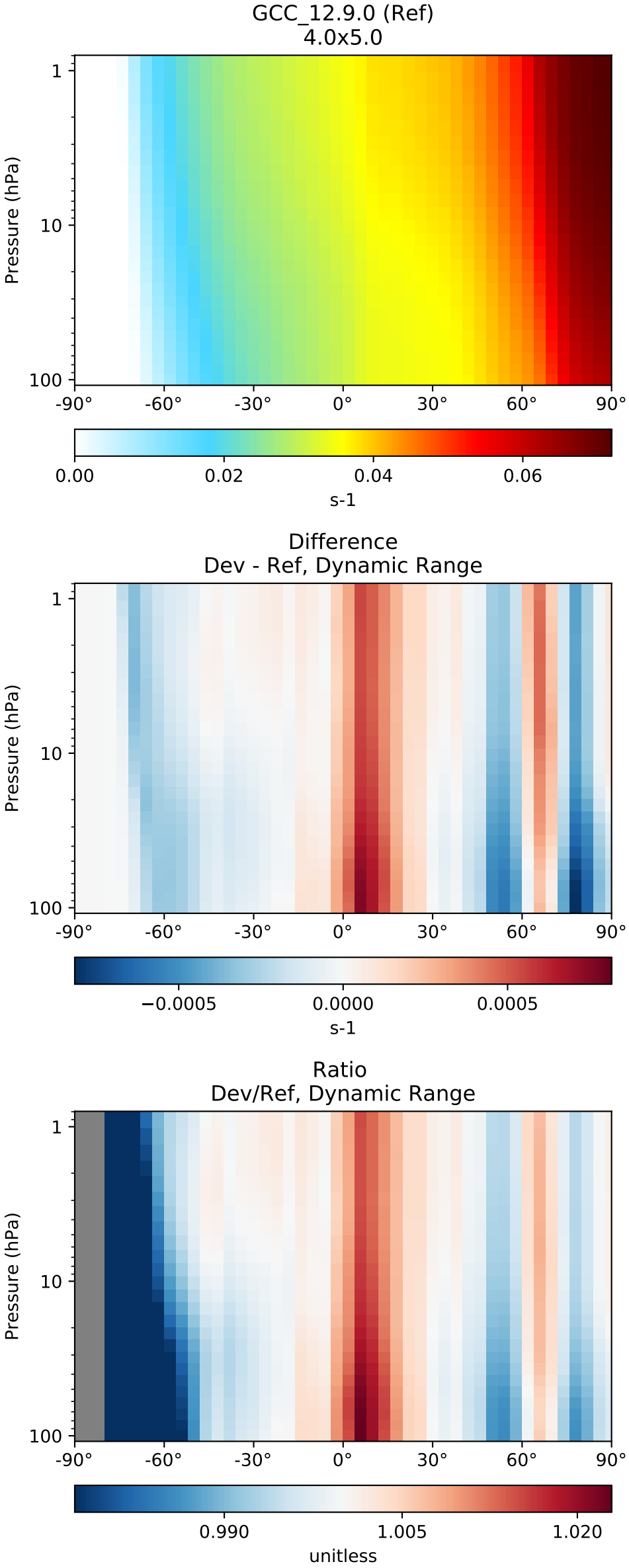


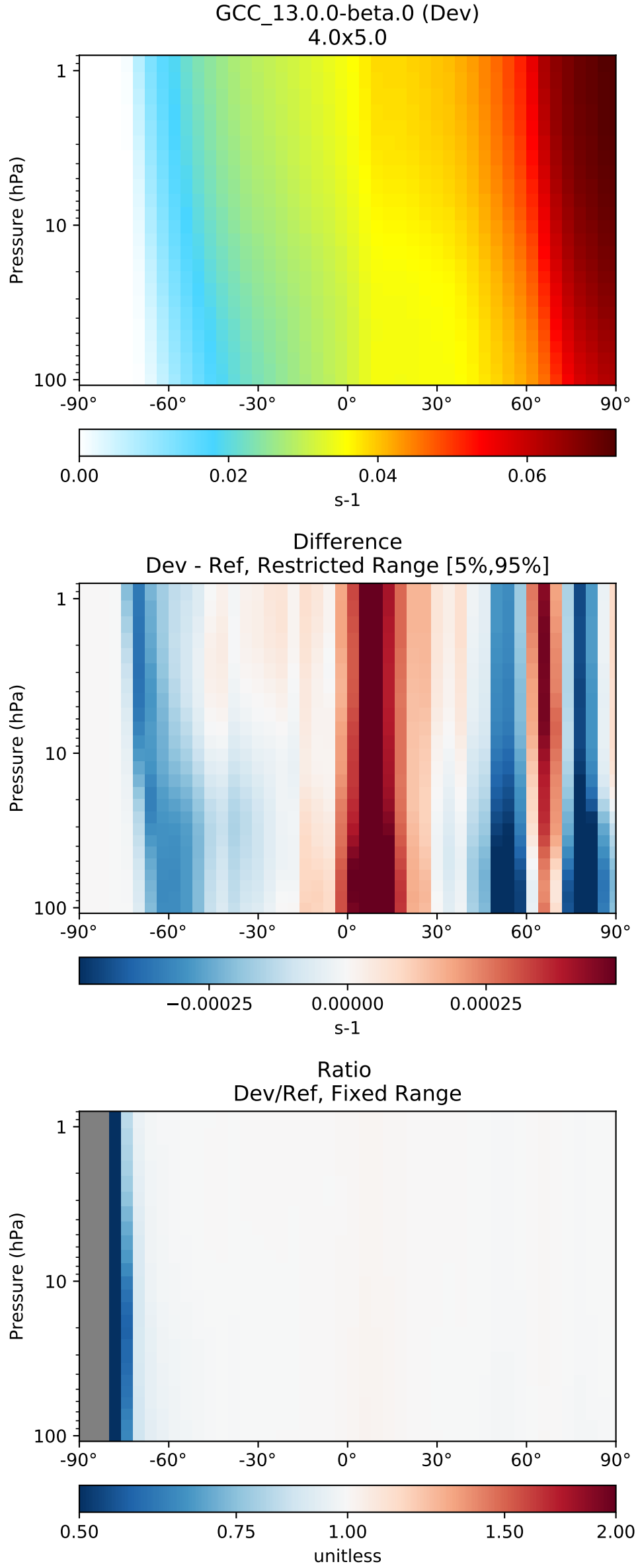
Jval_I2, Zonal Mean



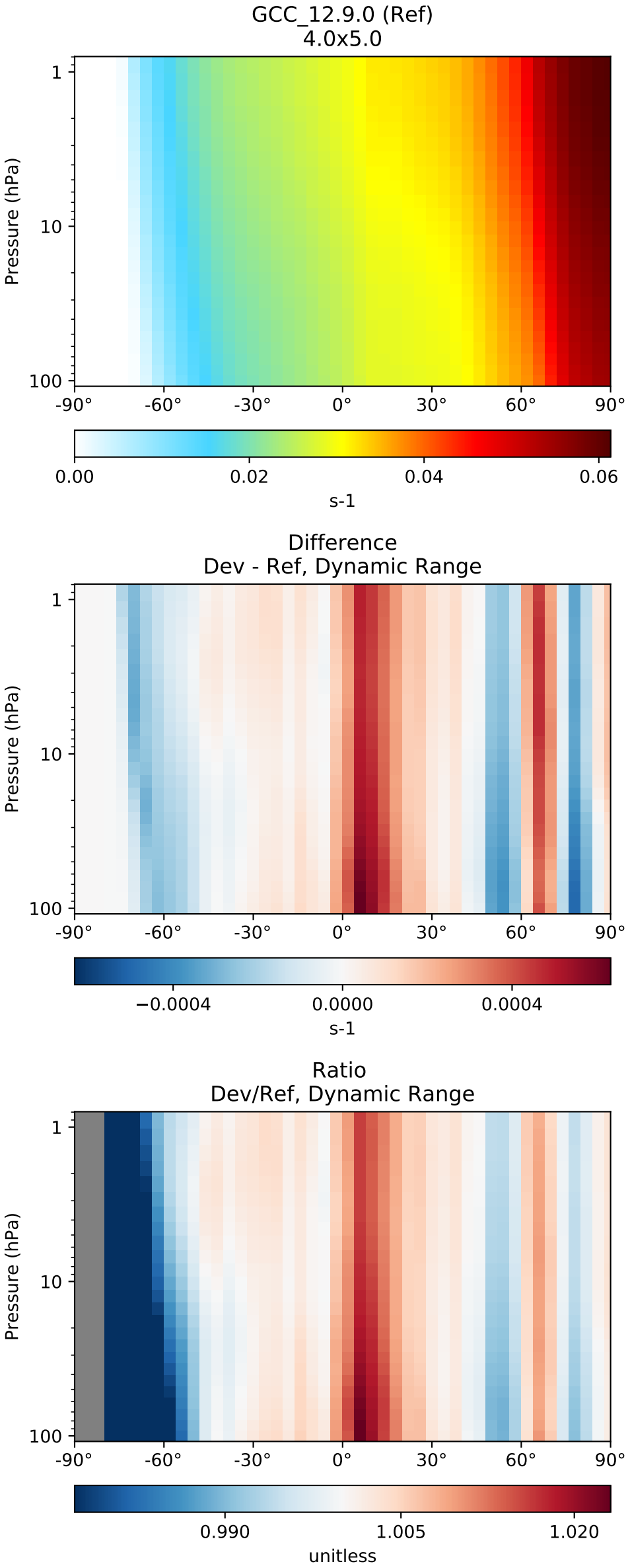


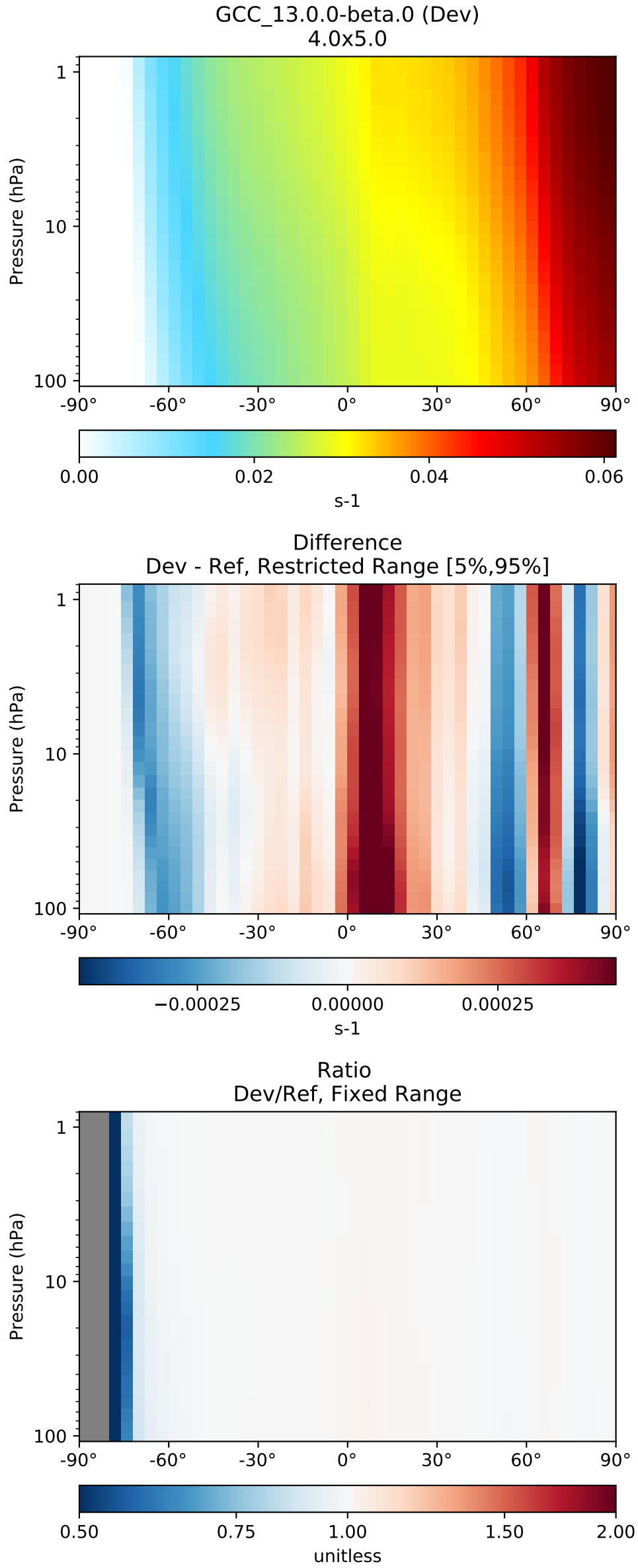
Jval_I2O2, Zonal Mean



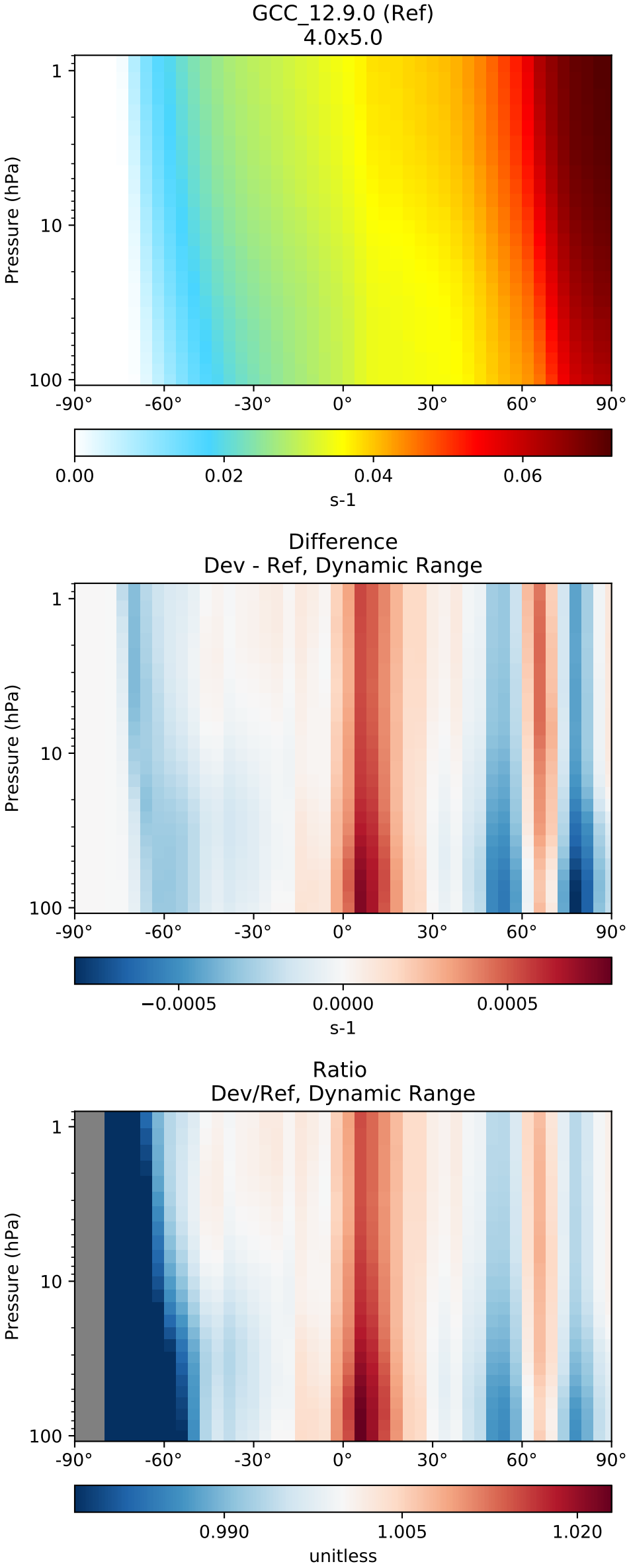


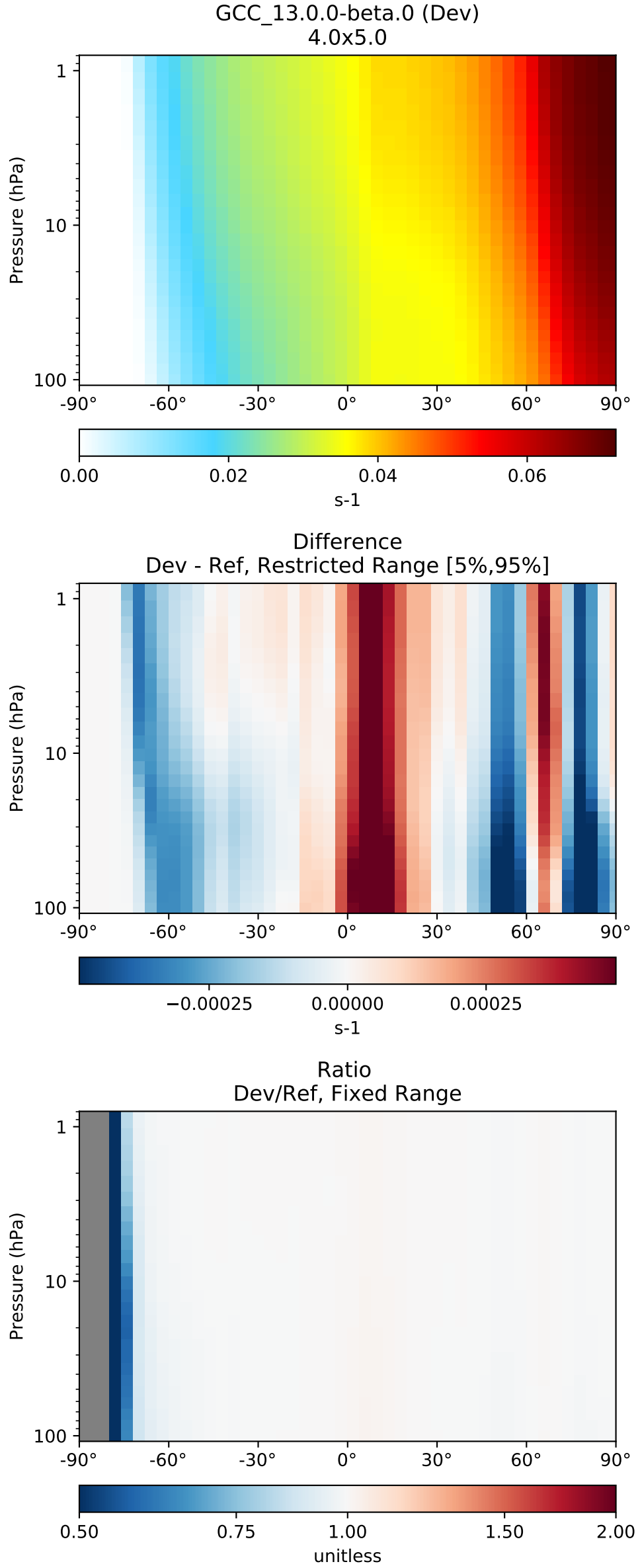
Jval_I2O3, Zonal Mean



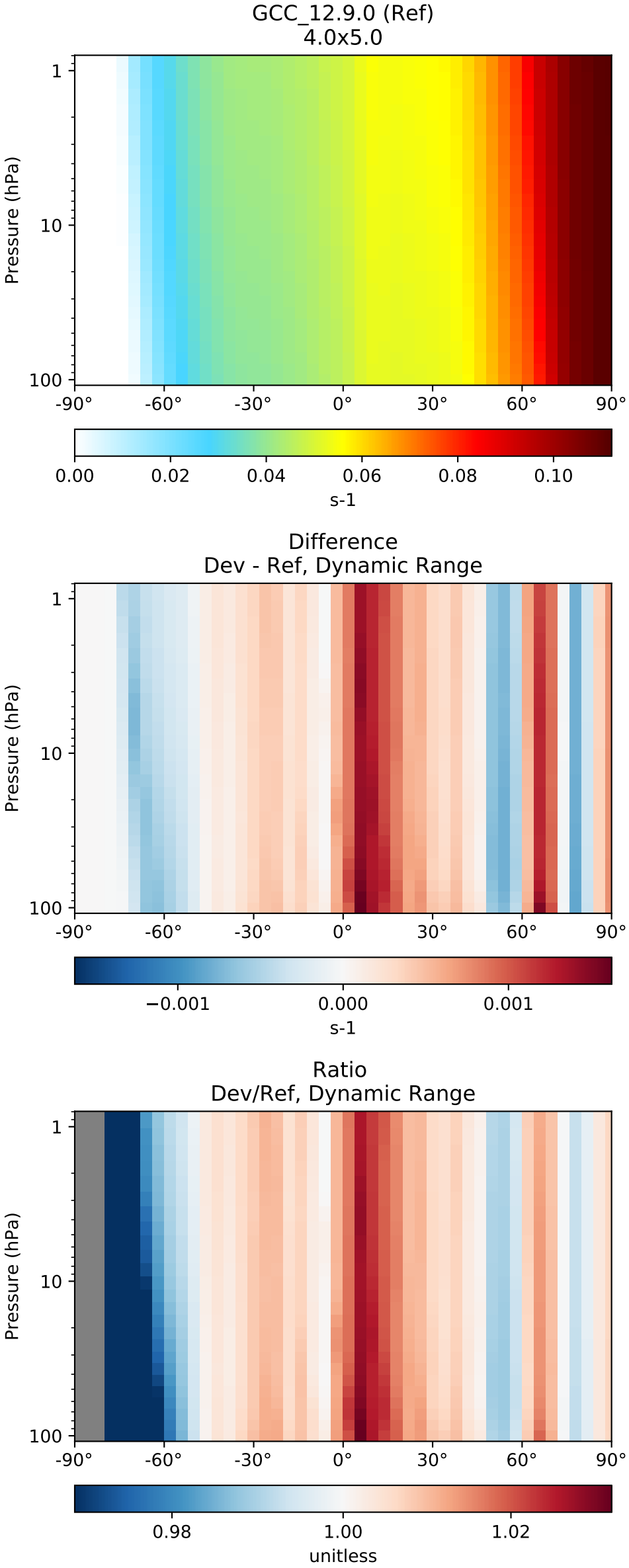


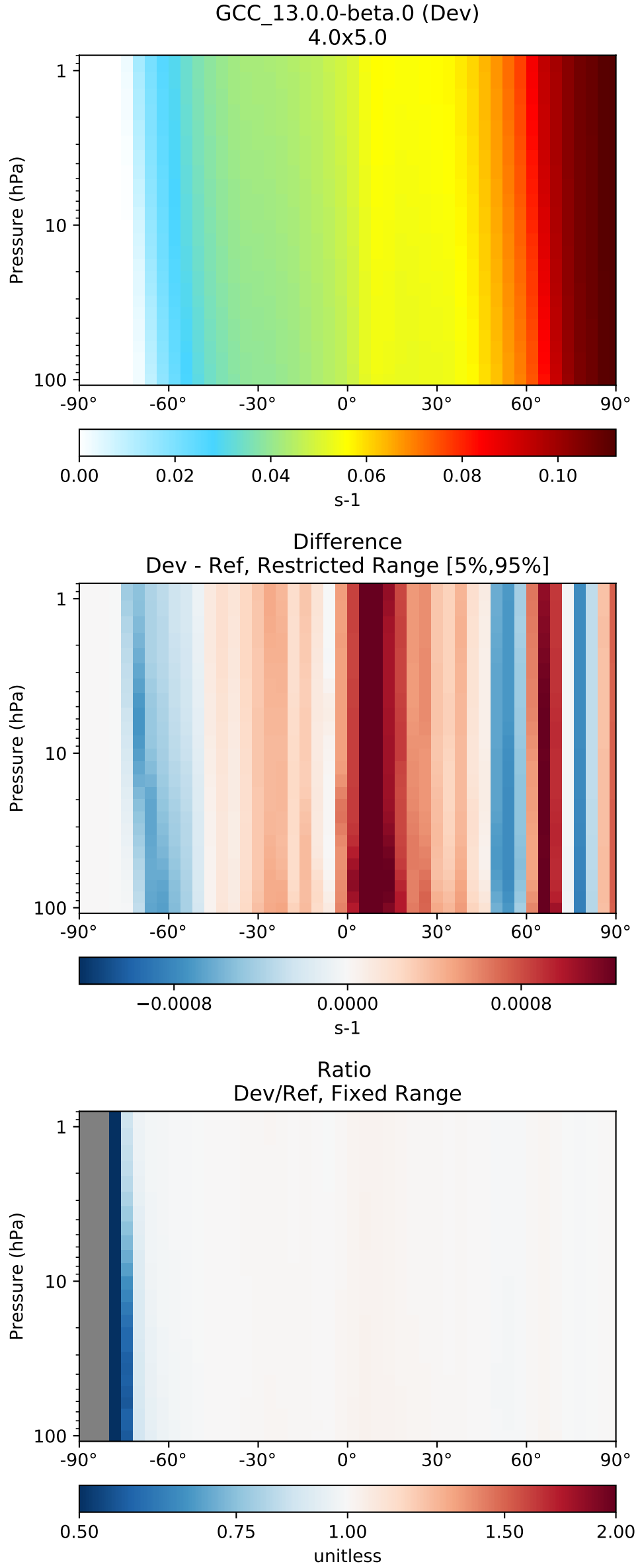
Jval_I2O4, Zonal Mean





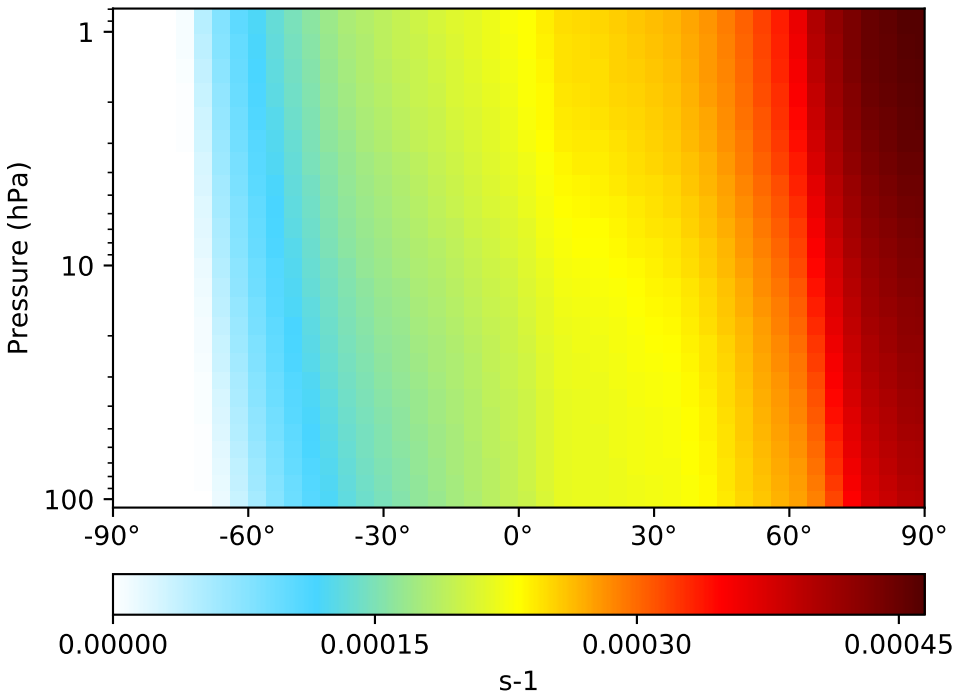
Jval_IBr, Zonal Mean



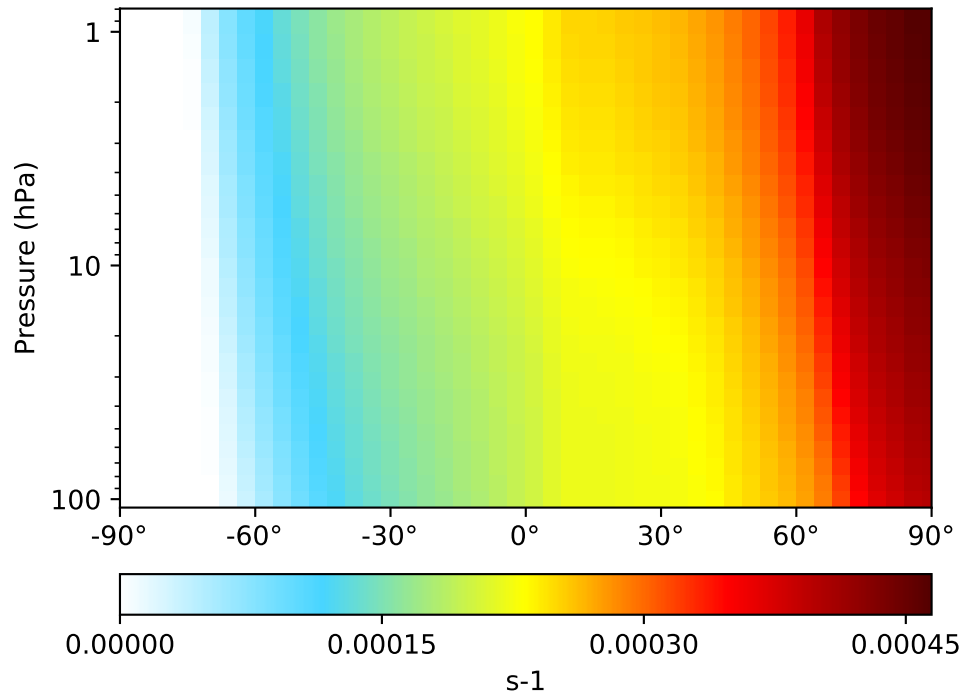


Jval_ICN, Zonal Mean

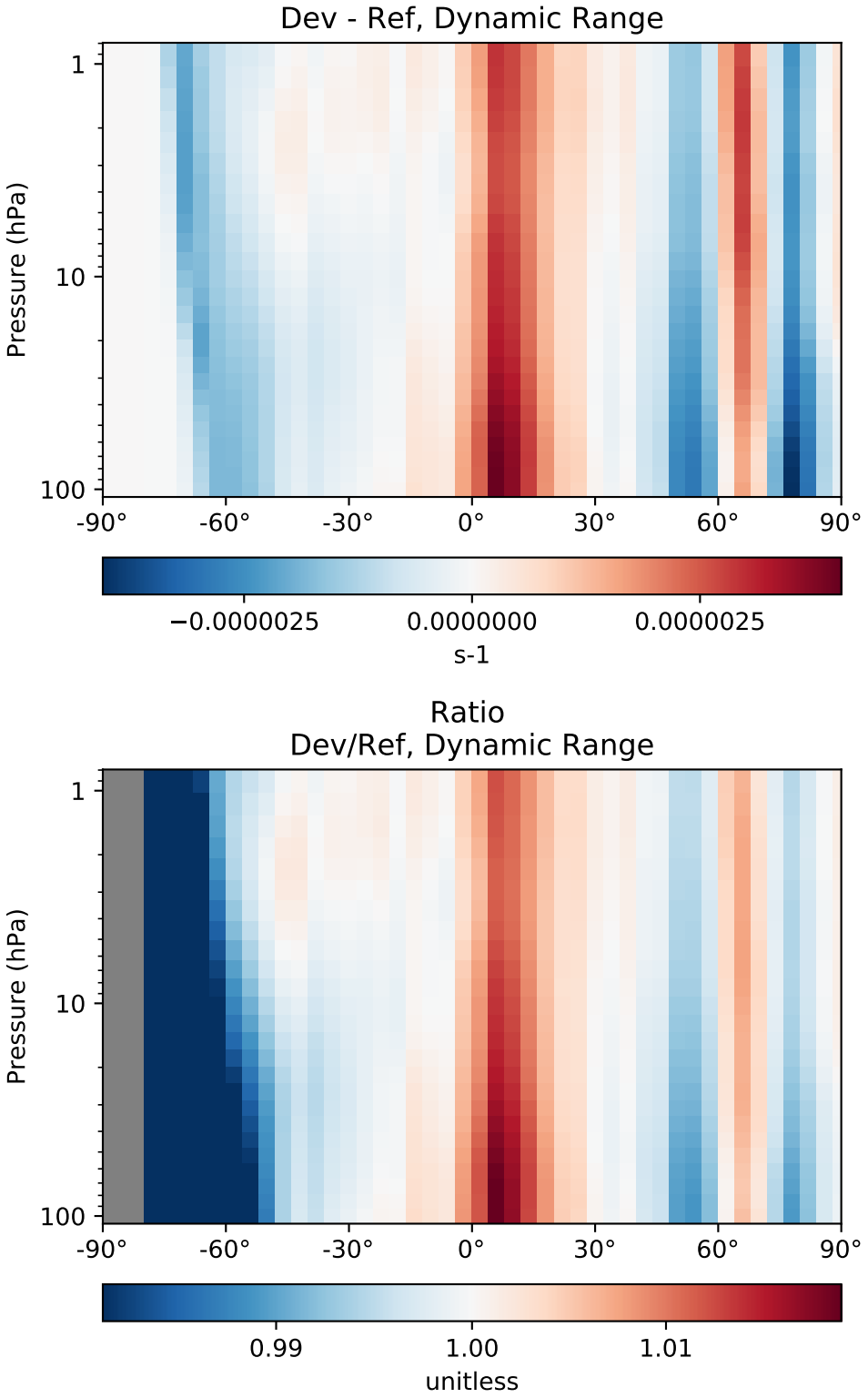
GCC_12.9.0 (Ref)
4.0x5.0



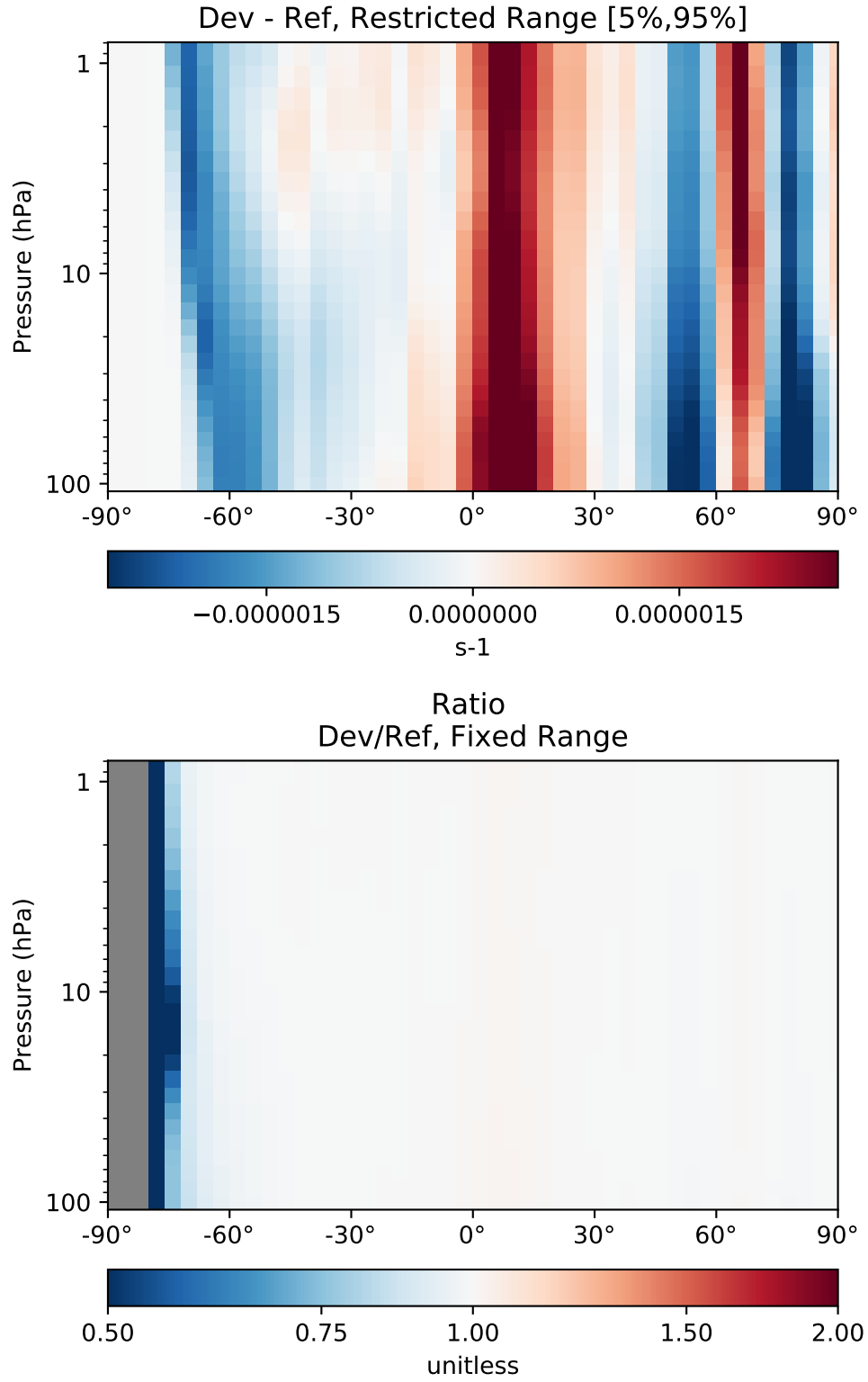
GCC_13.0.0-beta.0 (Dev)
4.0x5.0



Difference
Dev - Ref, Dynamic Range



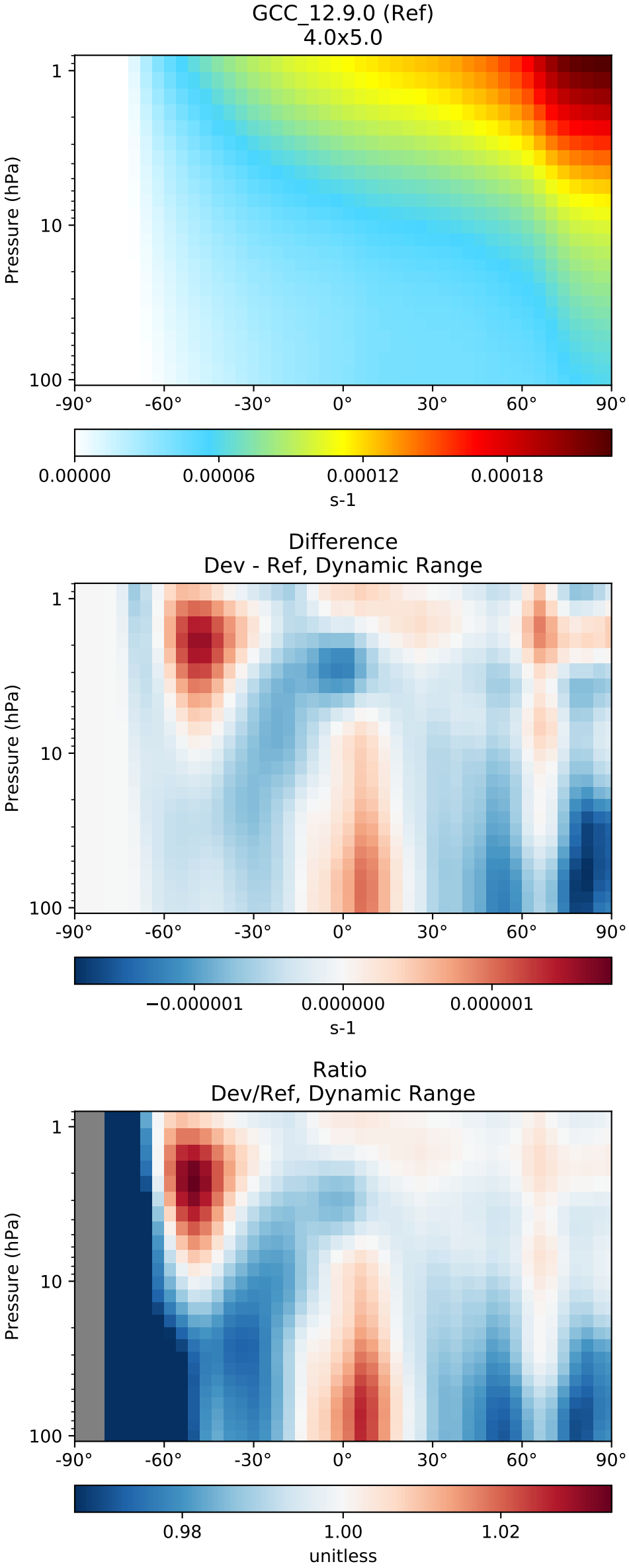
Difference
Dev - Ref, Restricted Range [5%,95%]

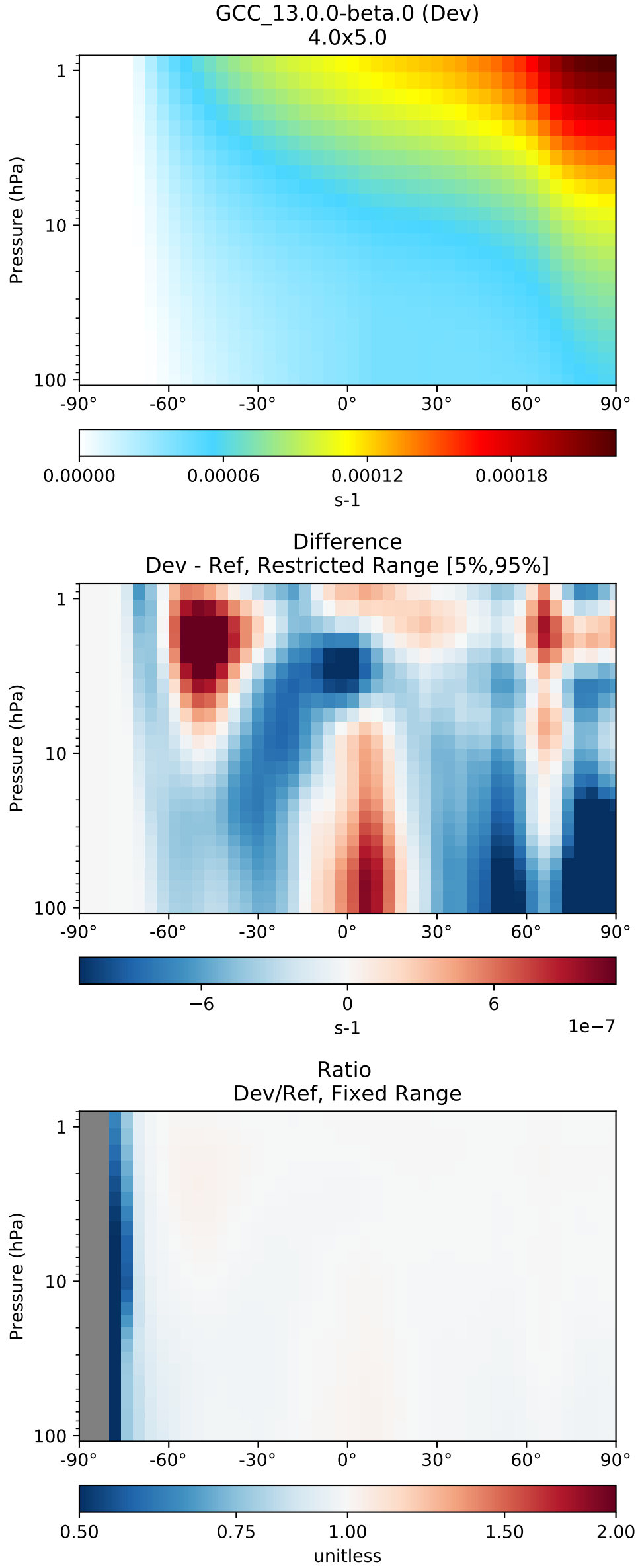


Ratio
Dev/Ref, Dynamic Range

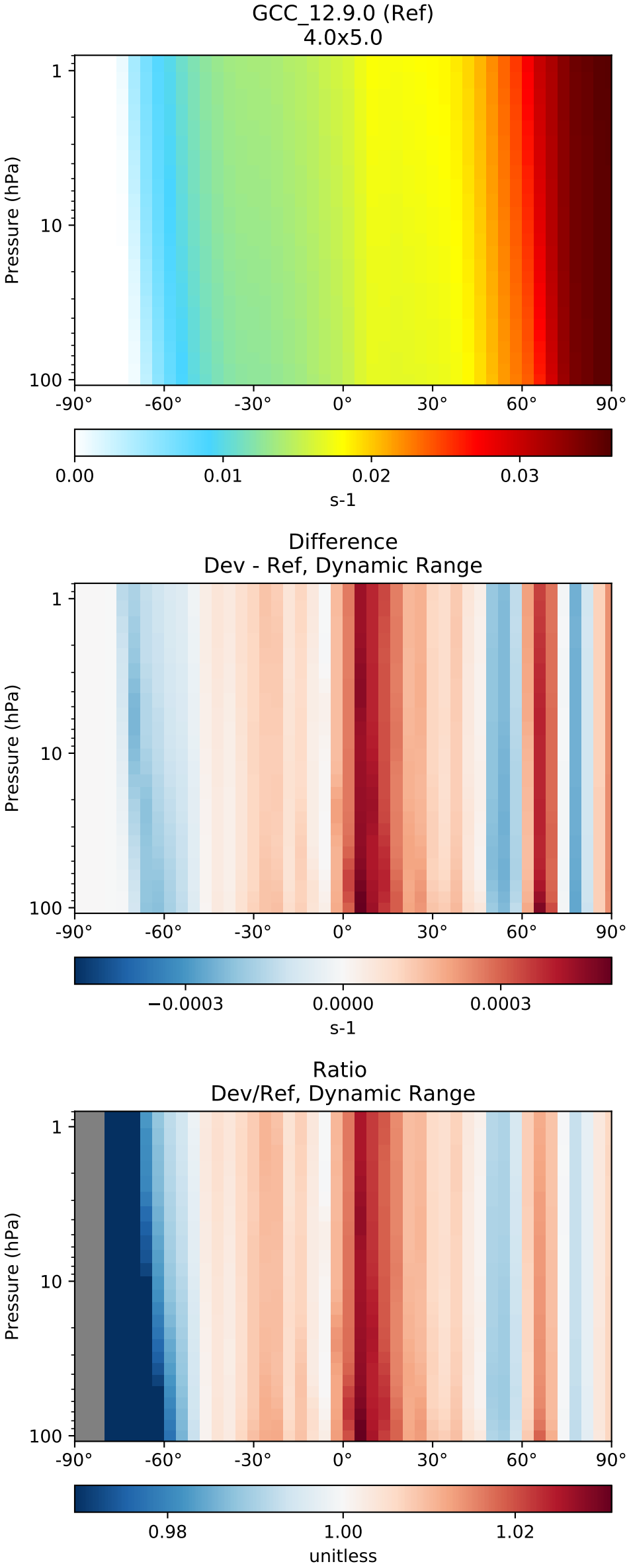
Ratio
Dev/Ref, Fixed Range

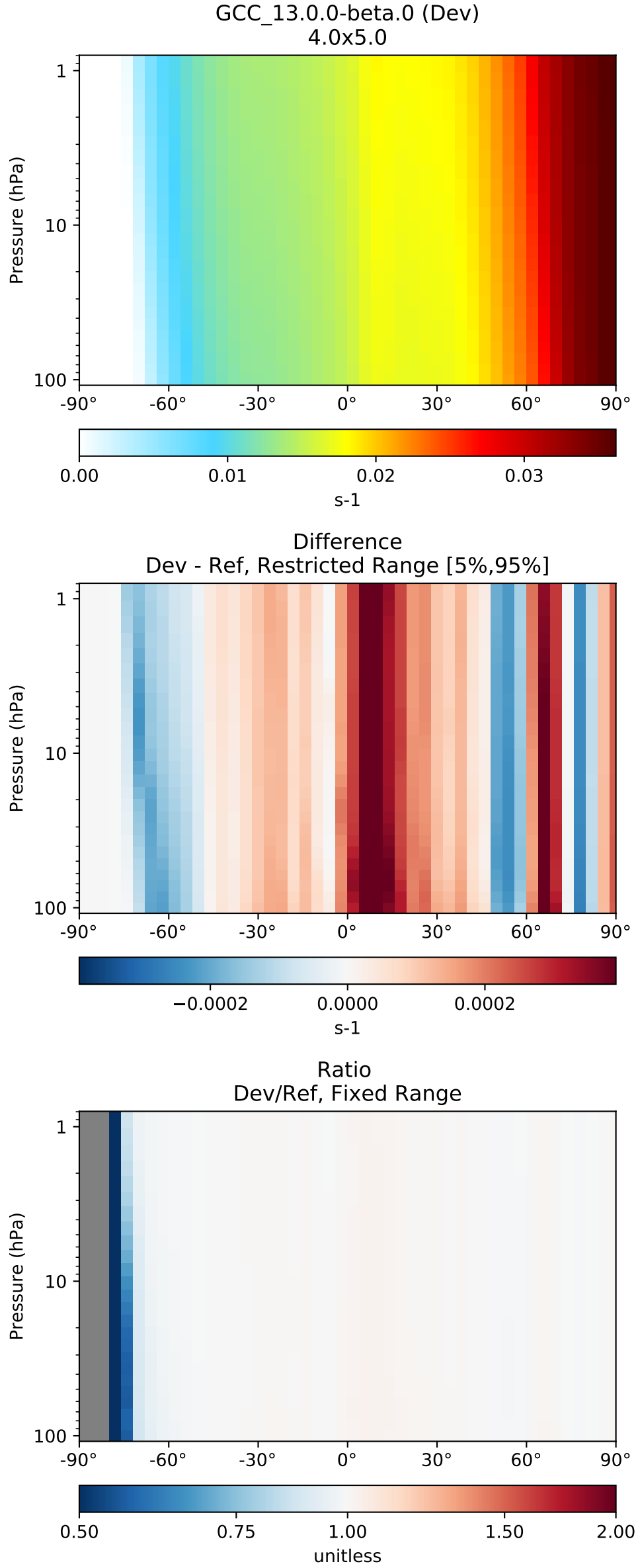
Jval_ICPDH, Zonal Mean



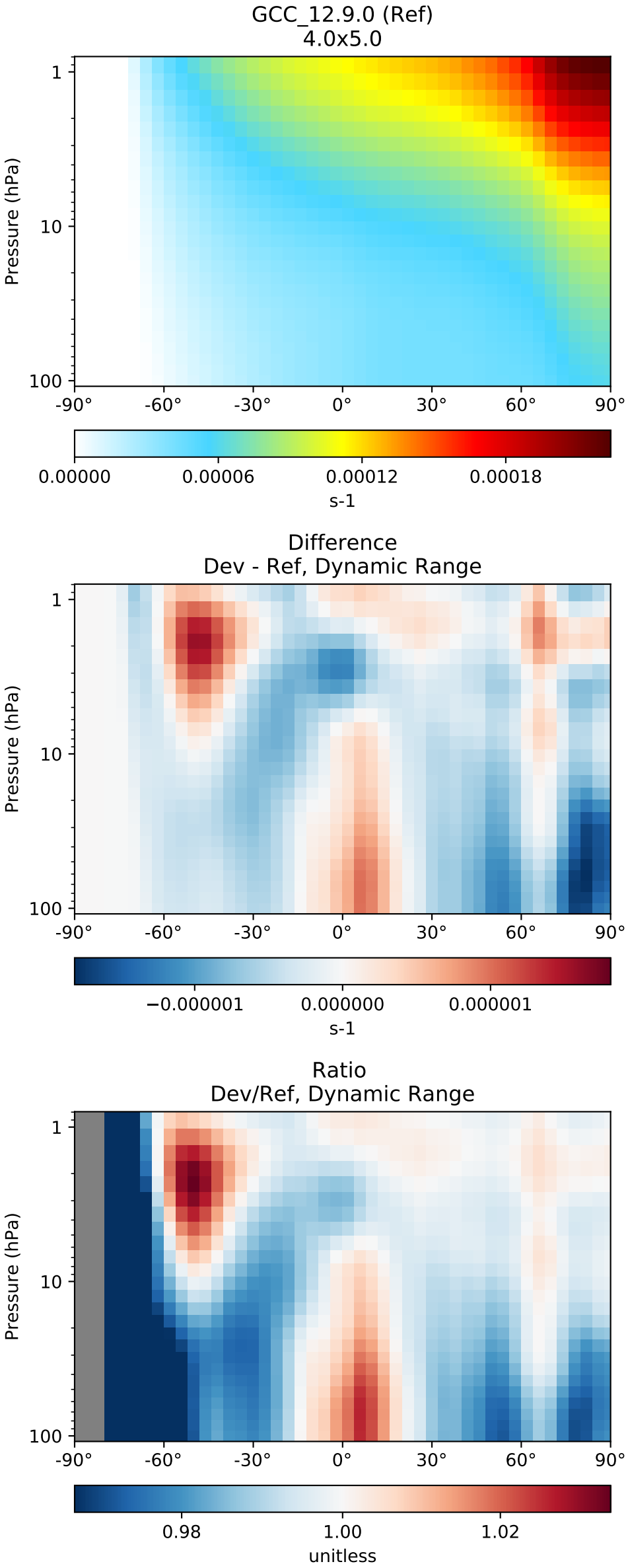


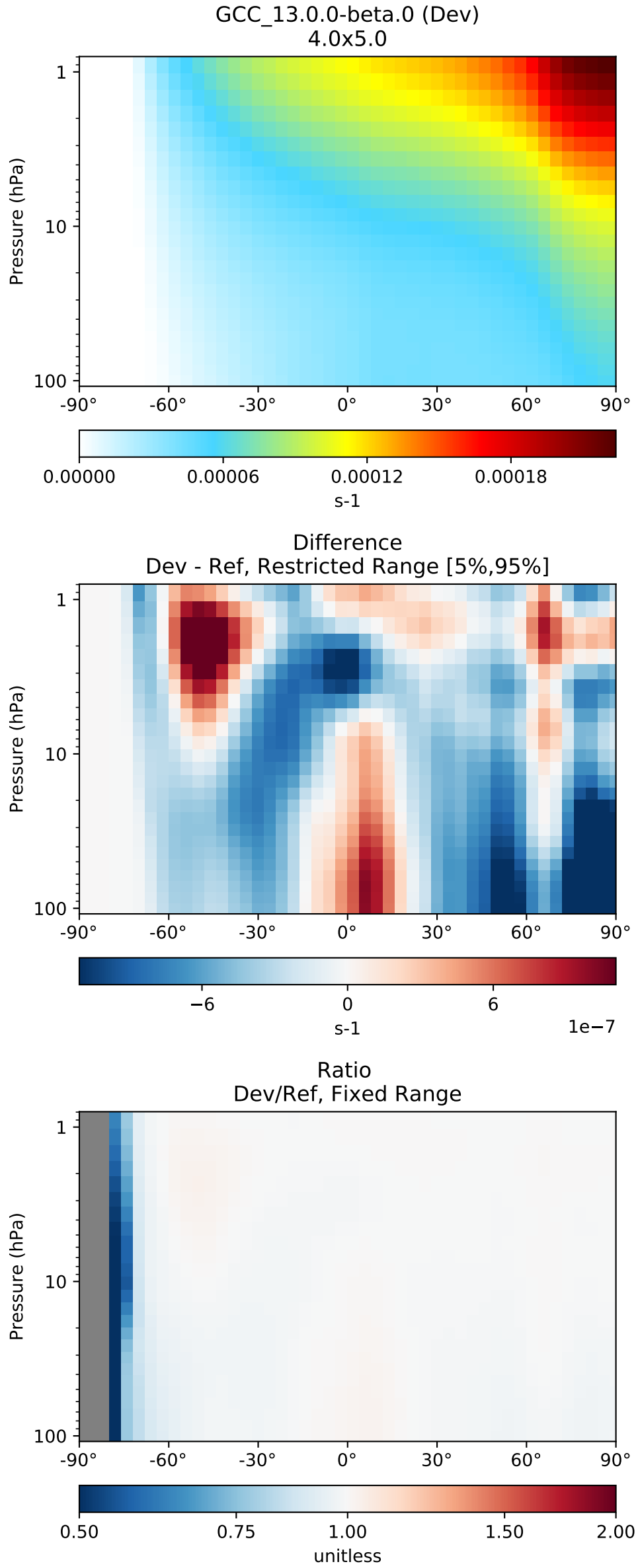
Jval_ICl, Zonal Mean



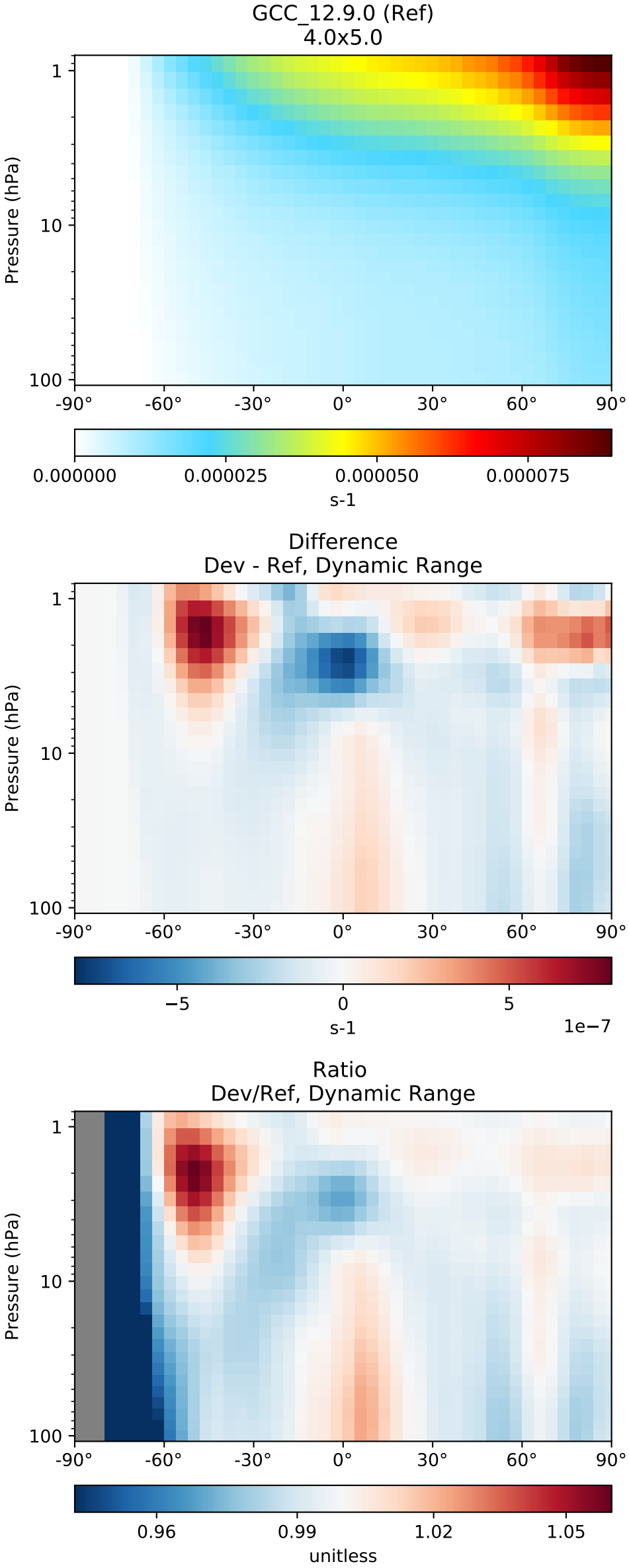


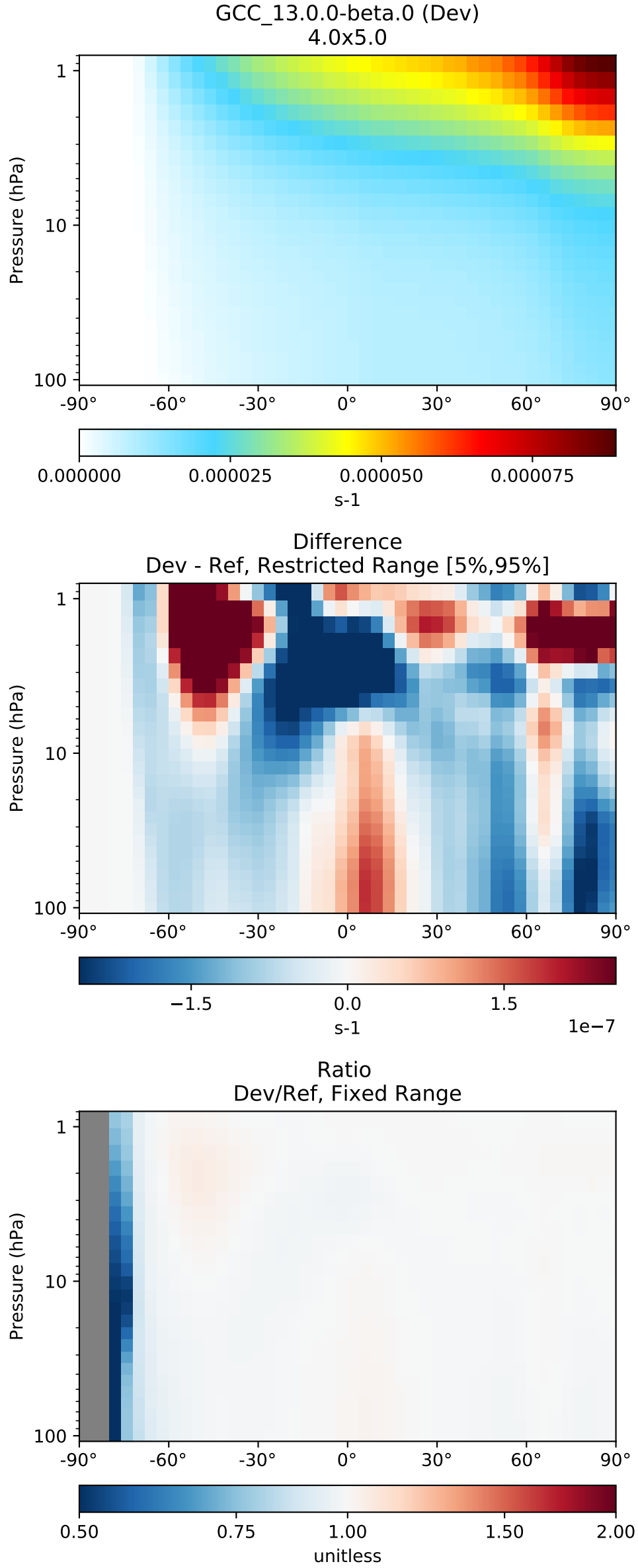
Jval_IDCHP, Zonal Mean



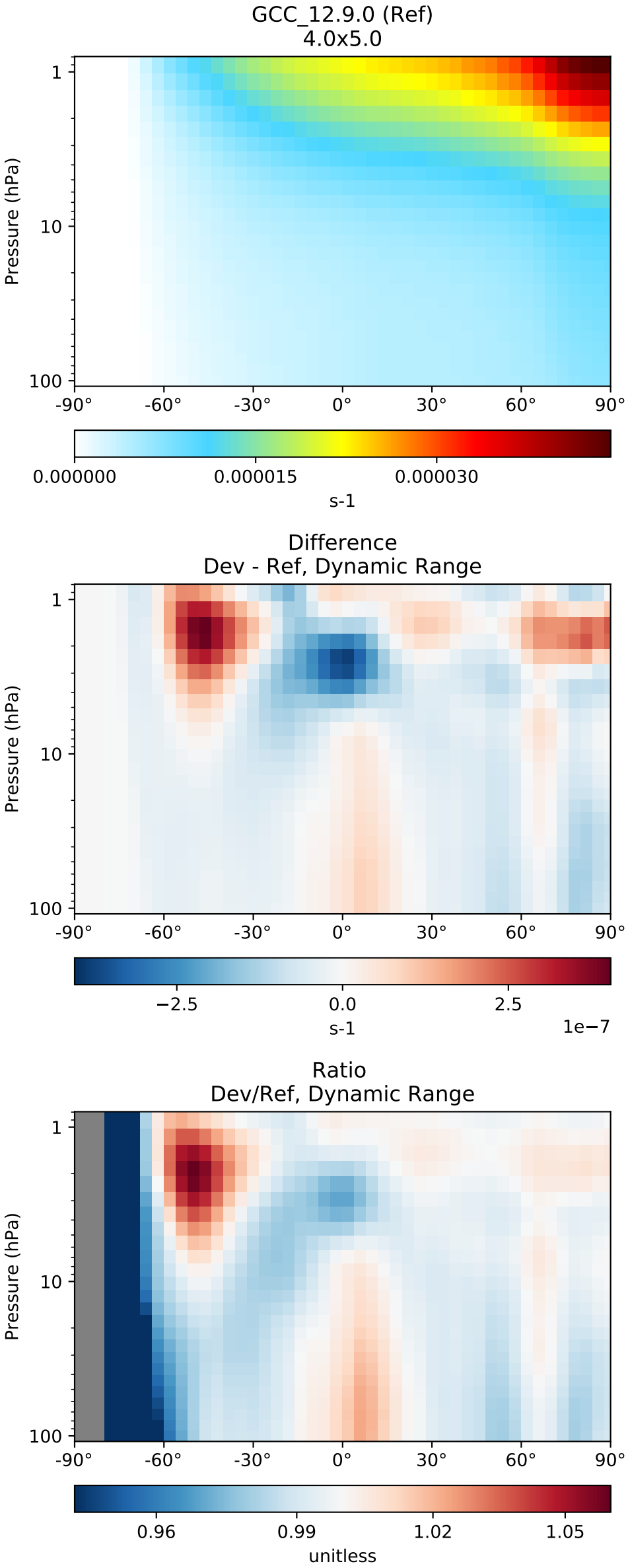


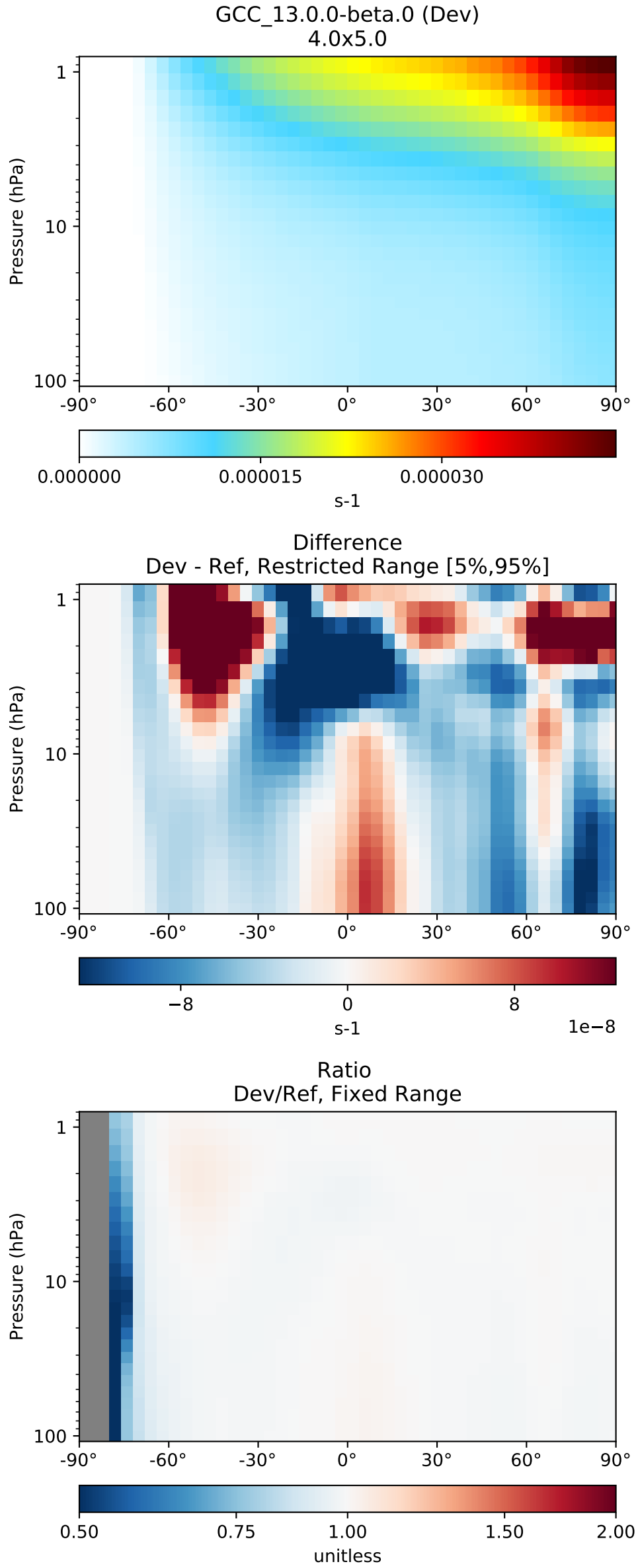
Jval_IDHDP, Zonal Mean



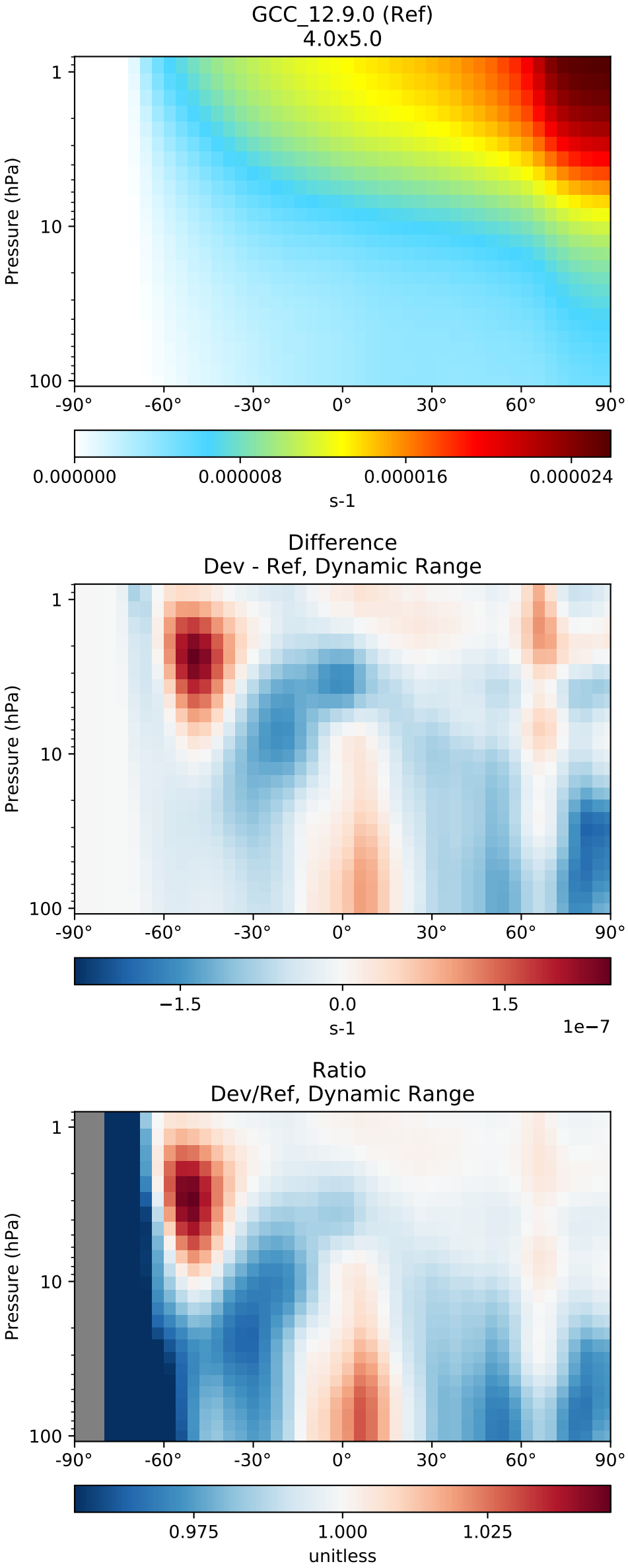


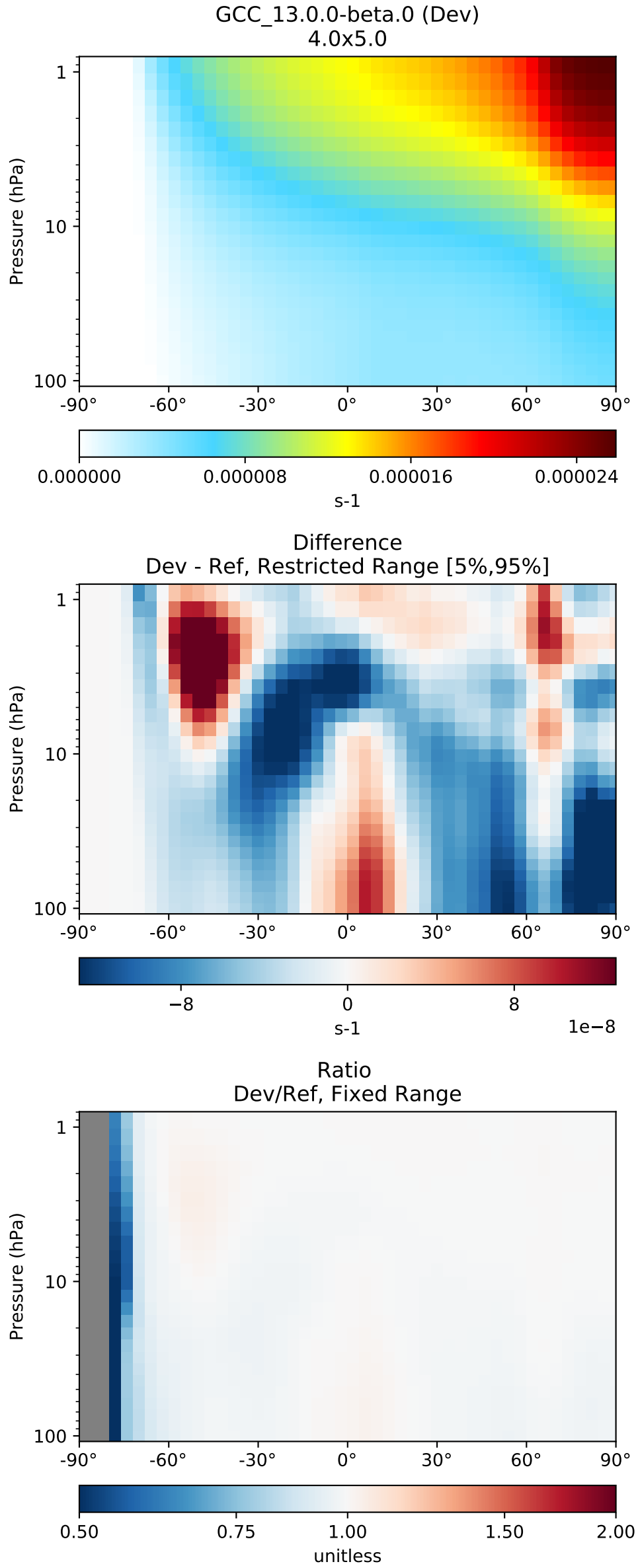
Jval_IDHPE, Zonal Mean



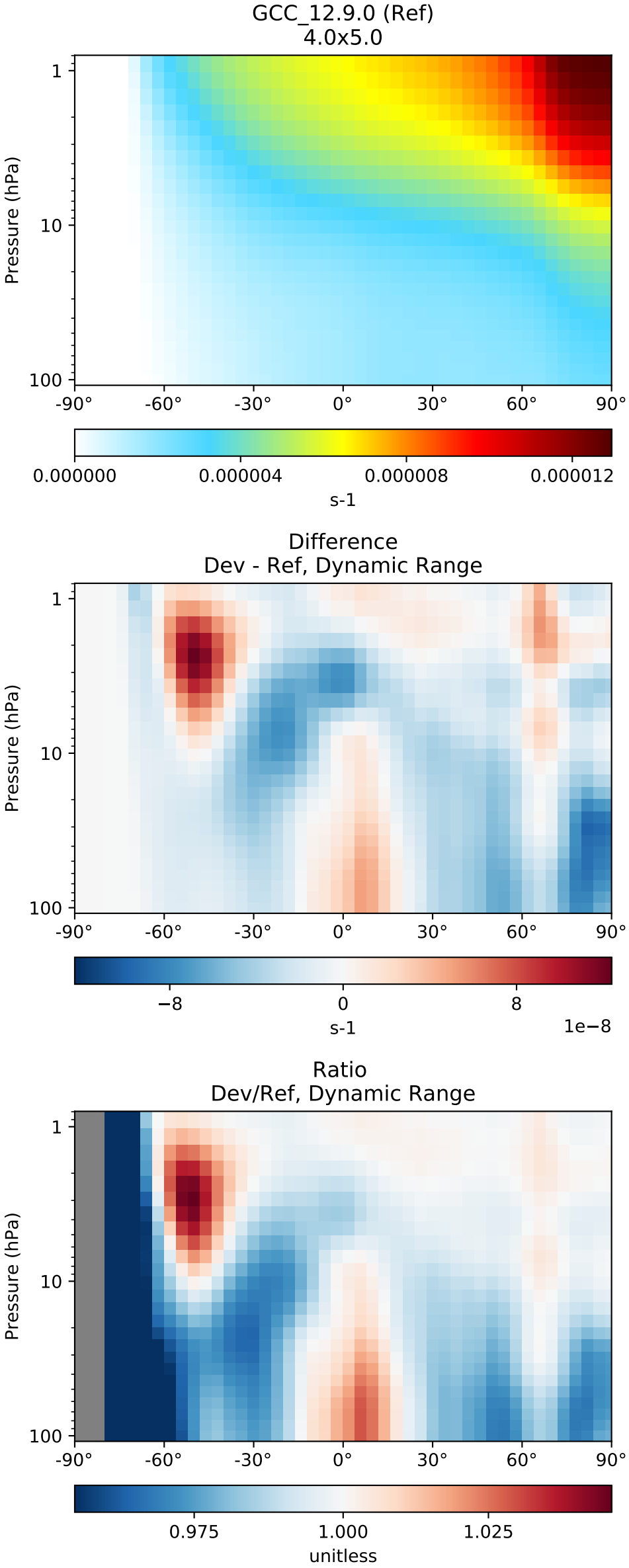


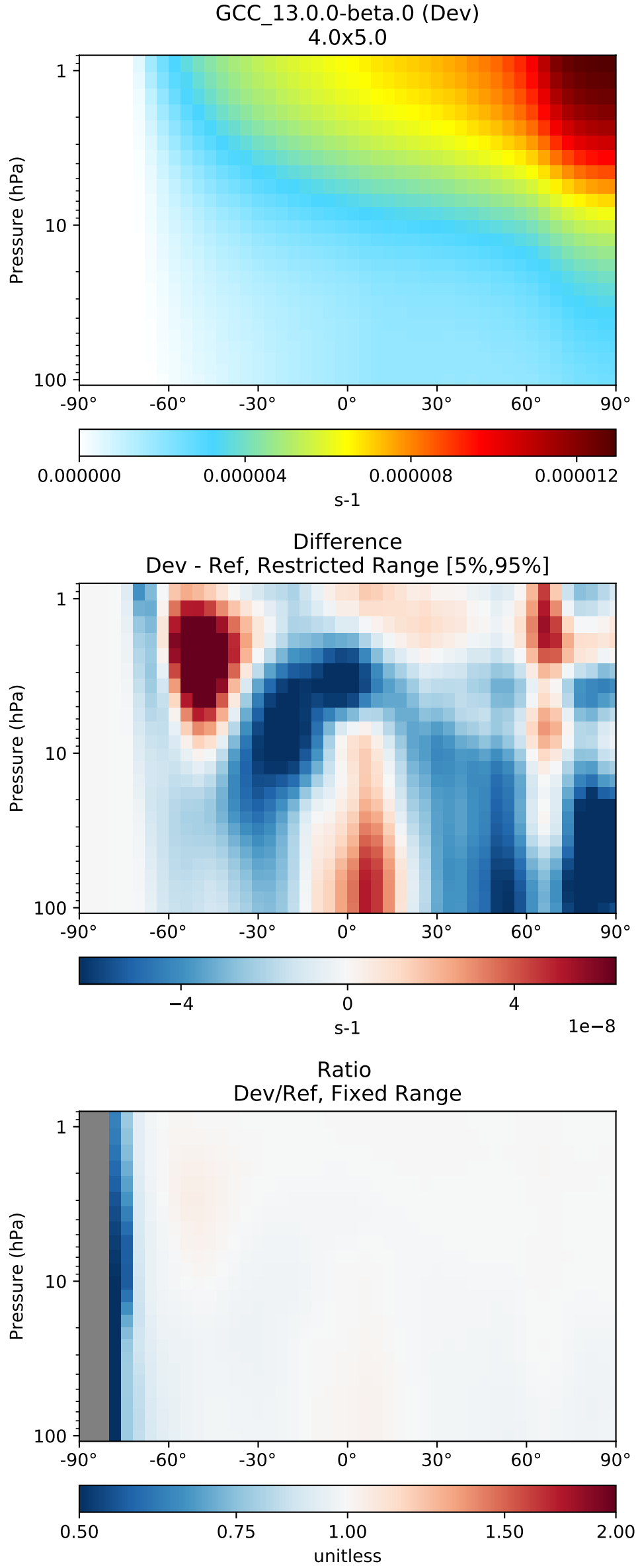
Jval_IDN, Zonal Mean



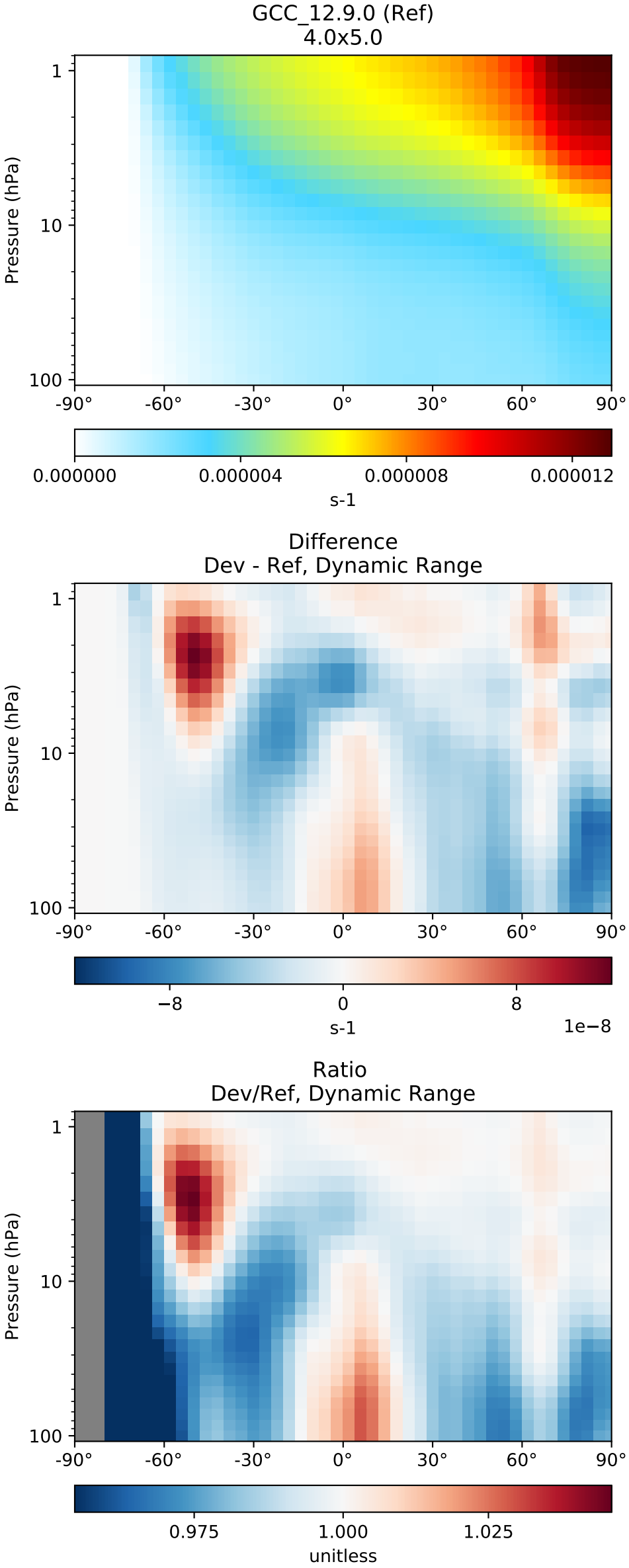


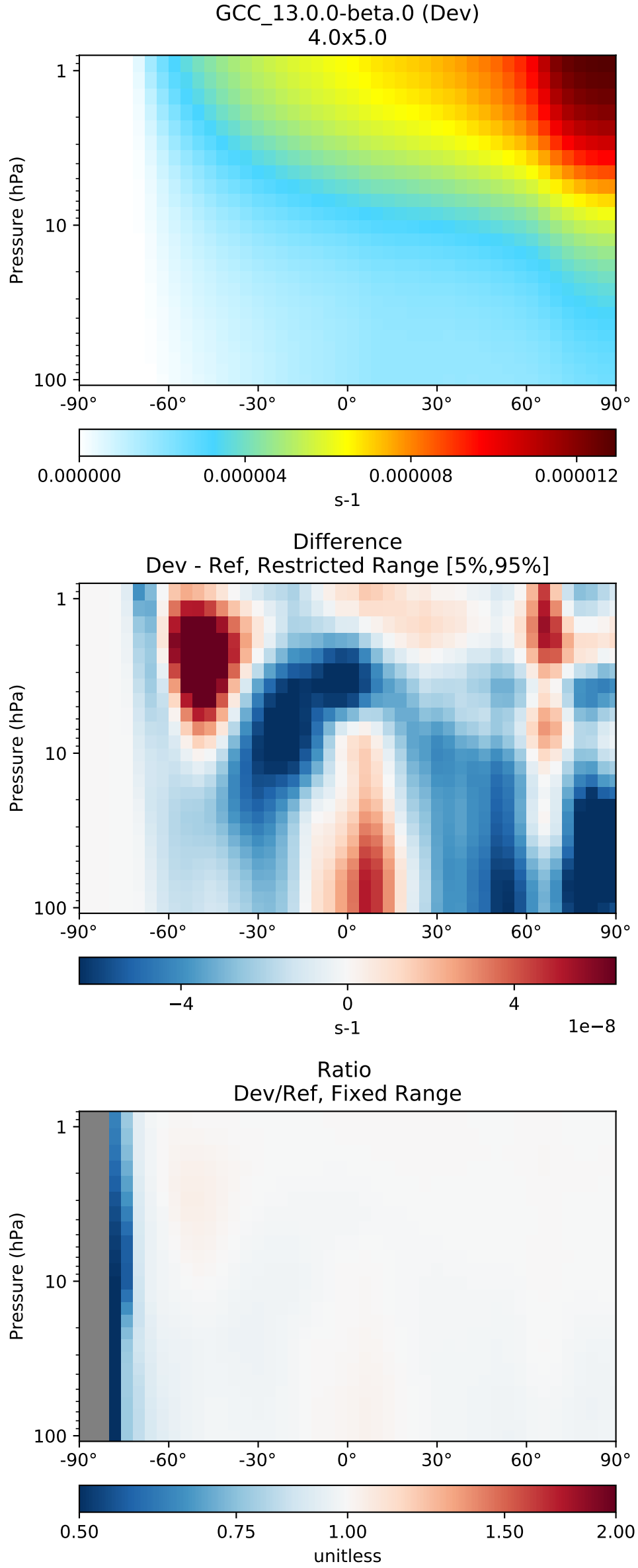
Jval_IHN1, Zonal Mean



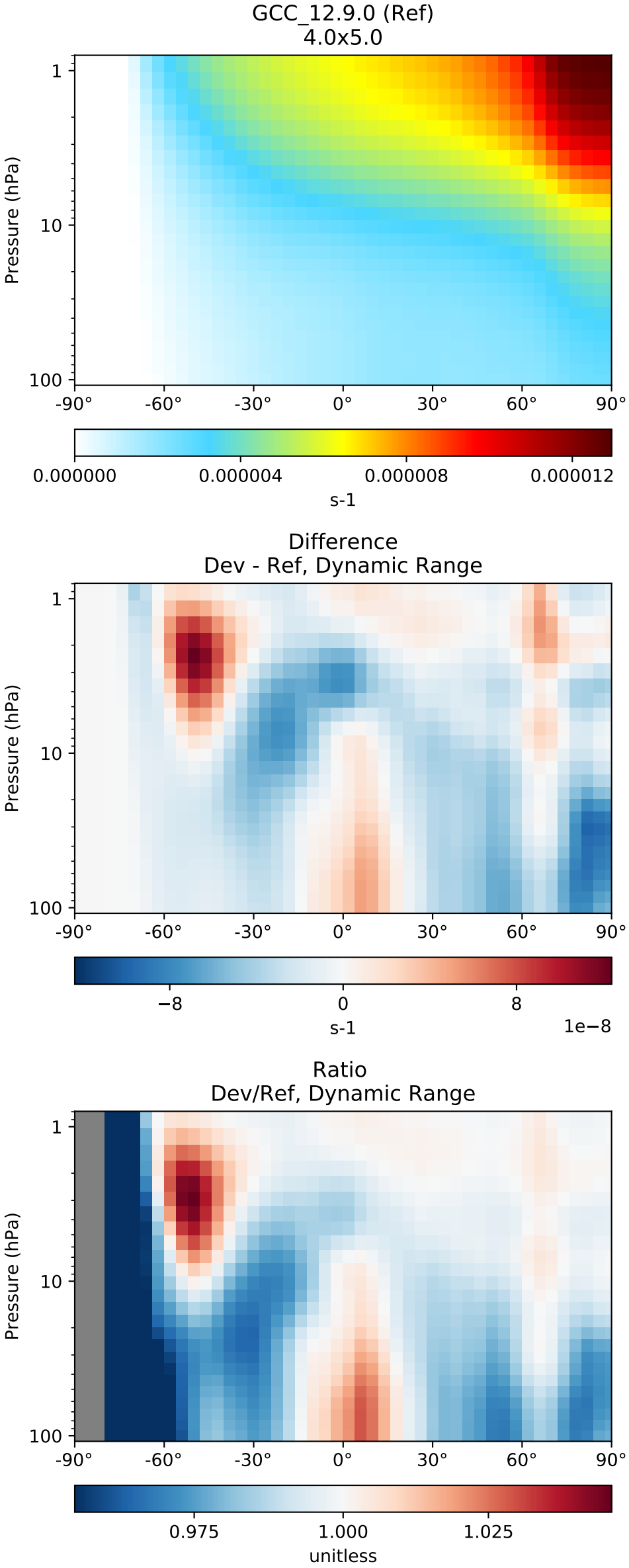


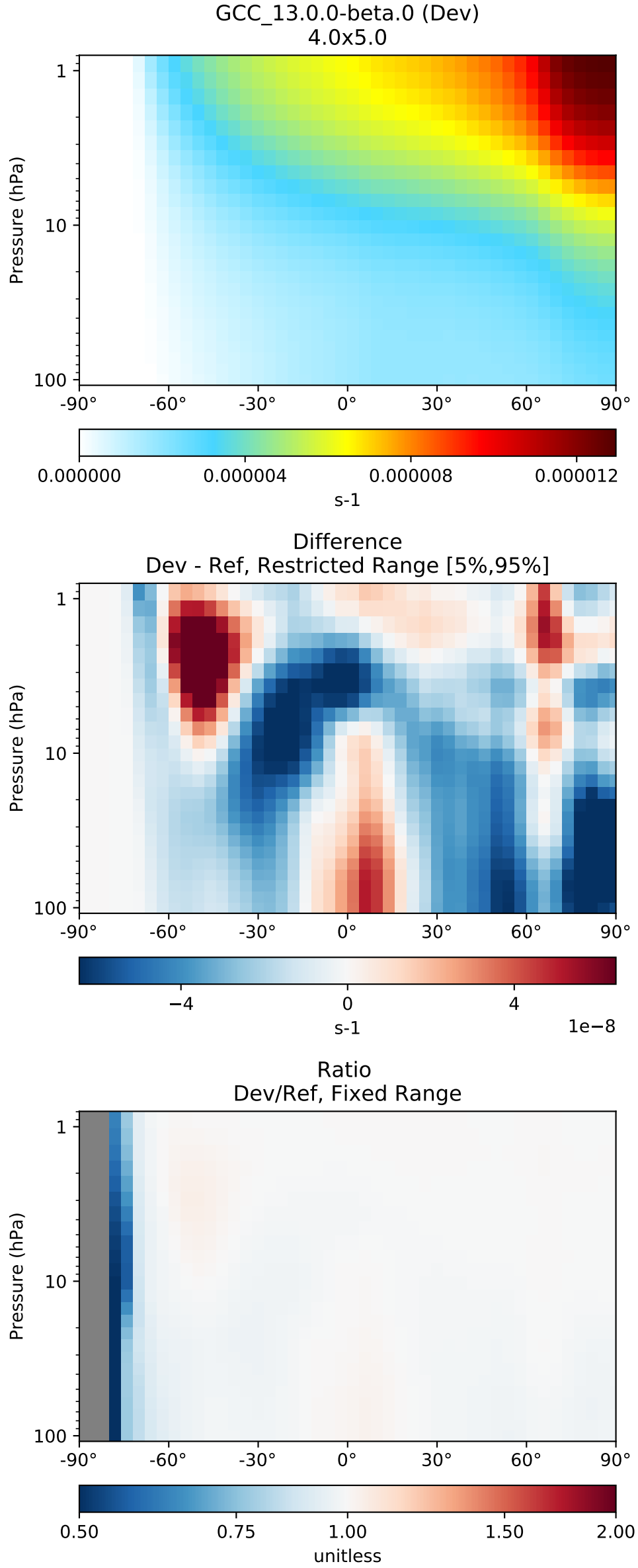
Jval_IHN2, Zonal Mean



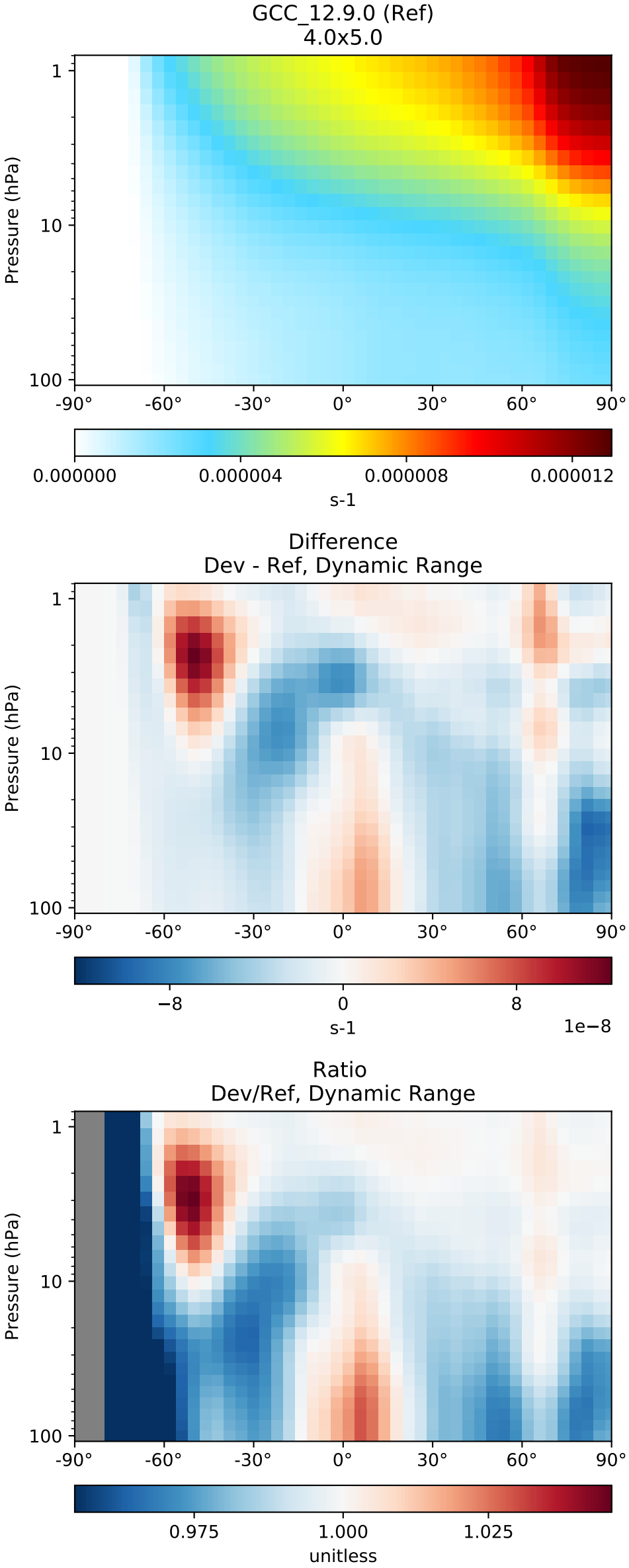


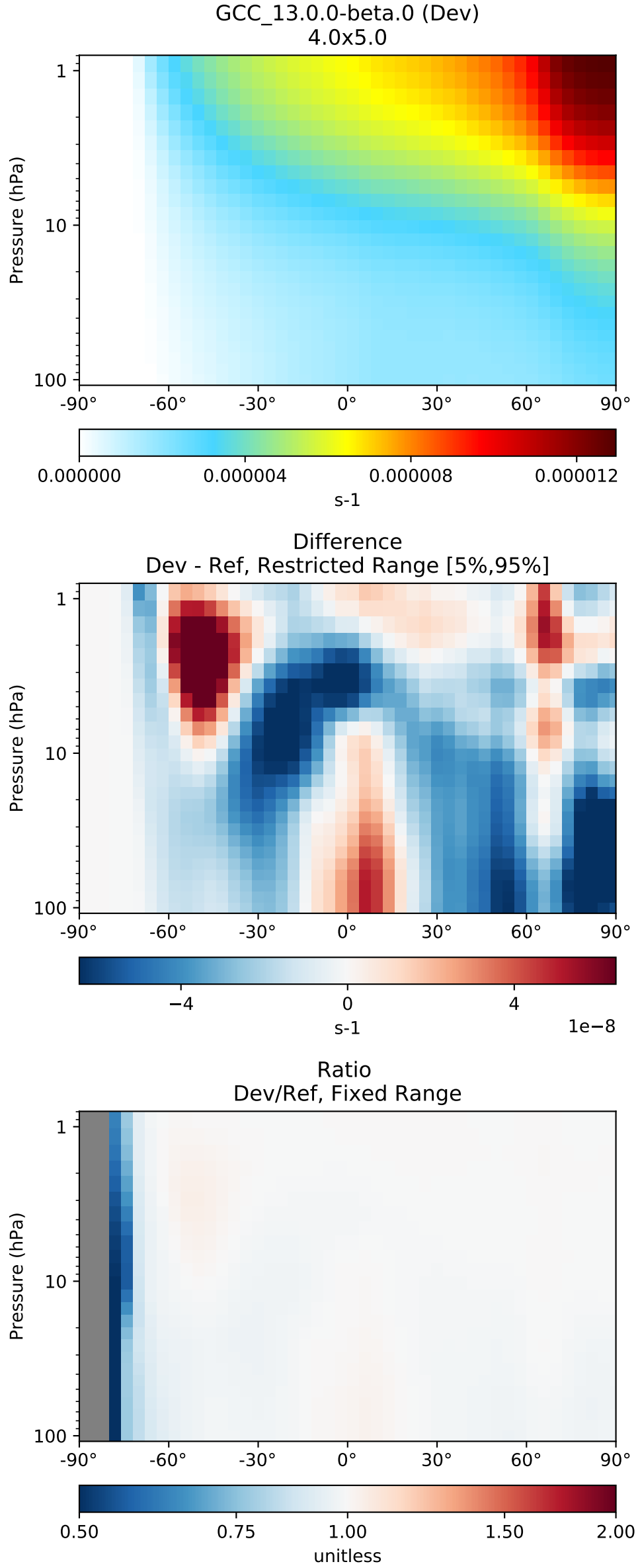
Jval_IHN3, Zonal Mean



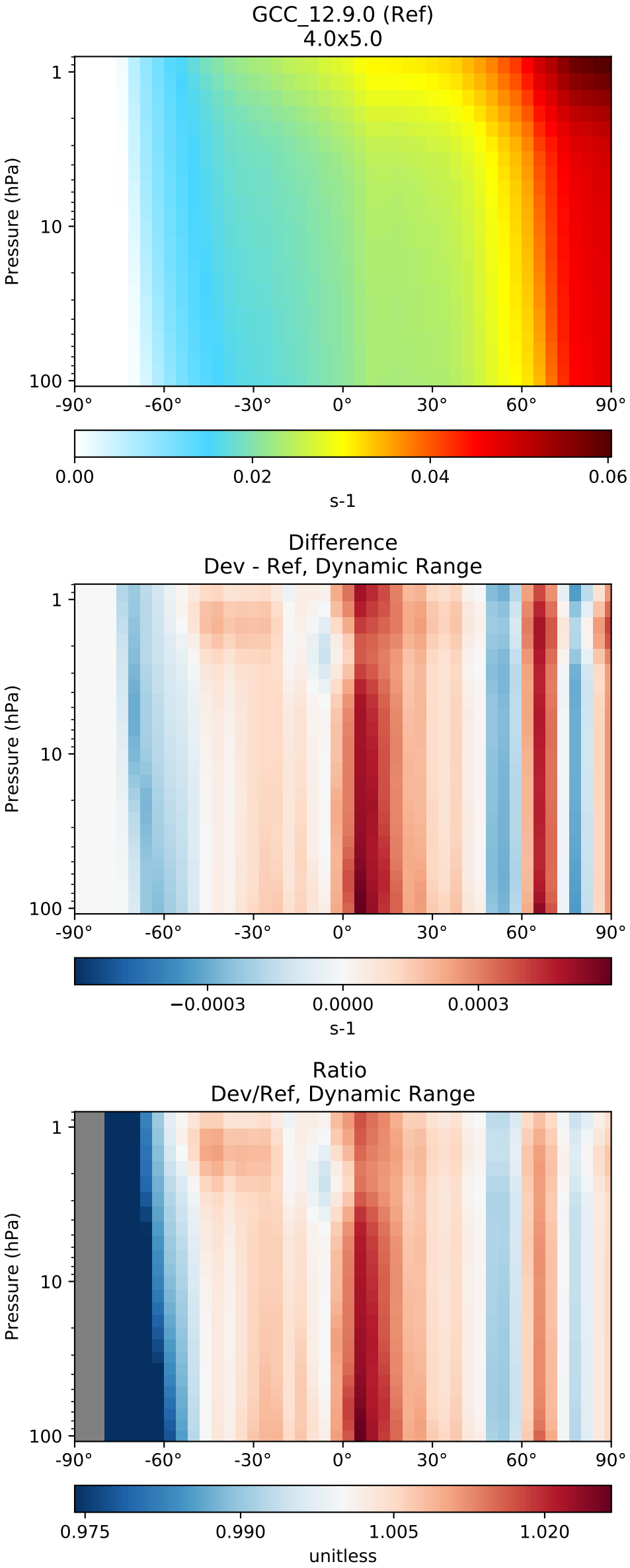


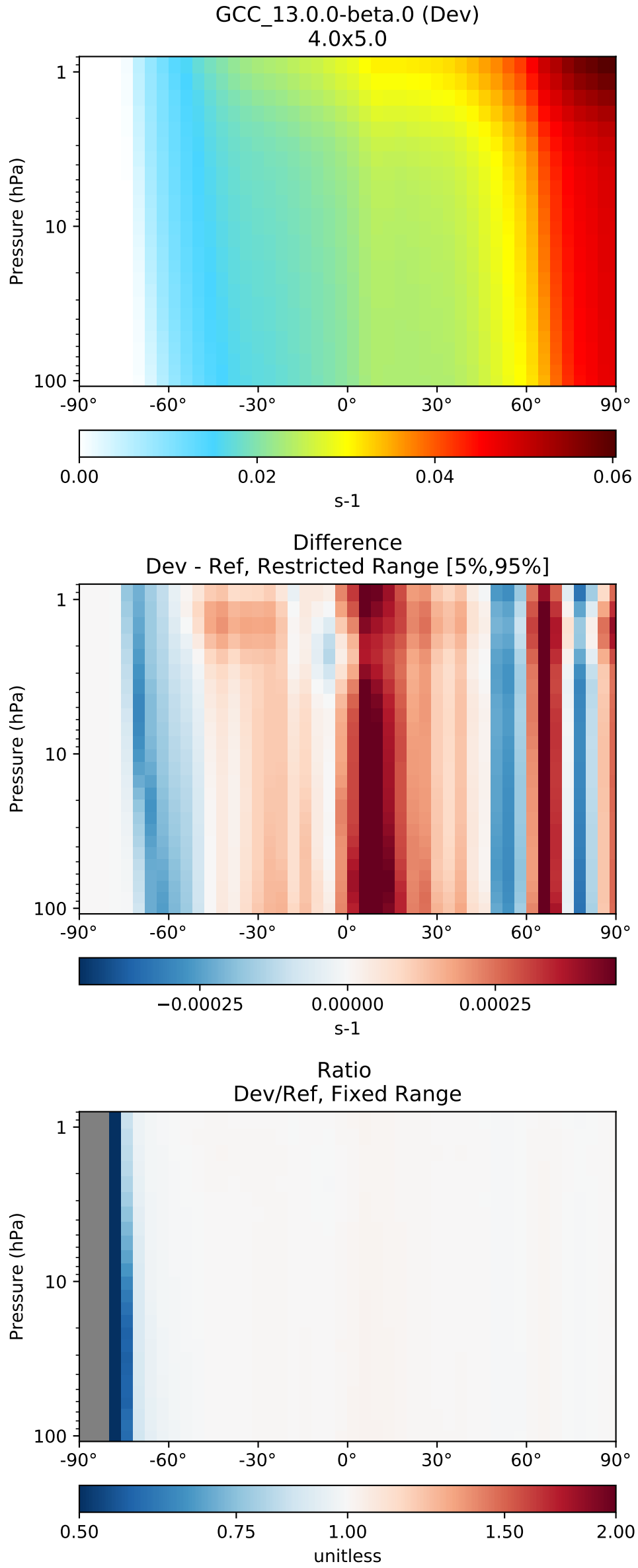
Jval_IHN4, Zonal Mean



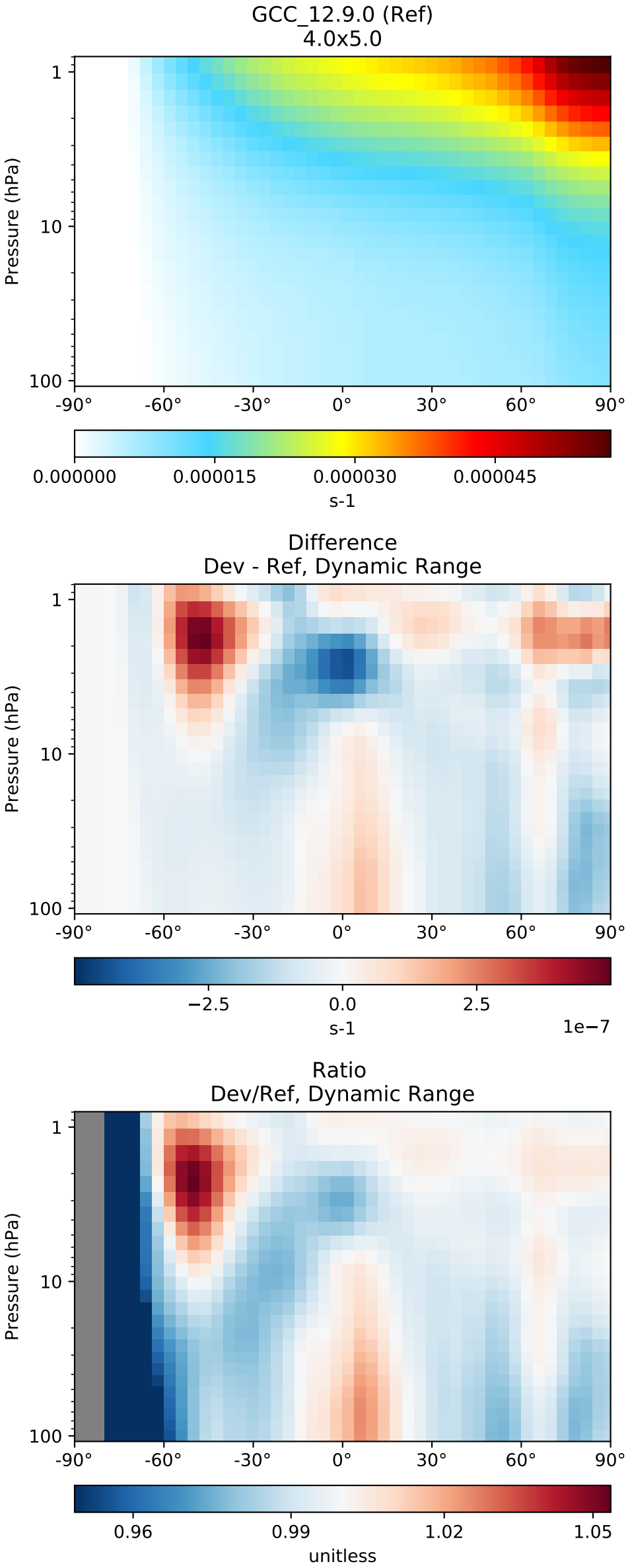


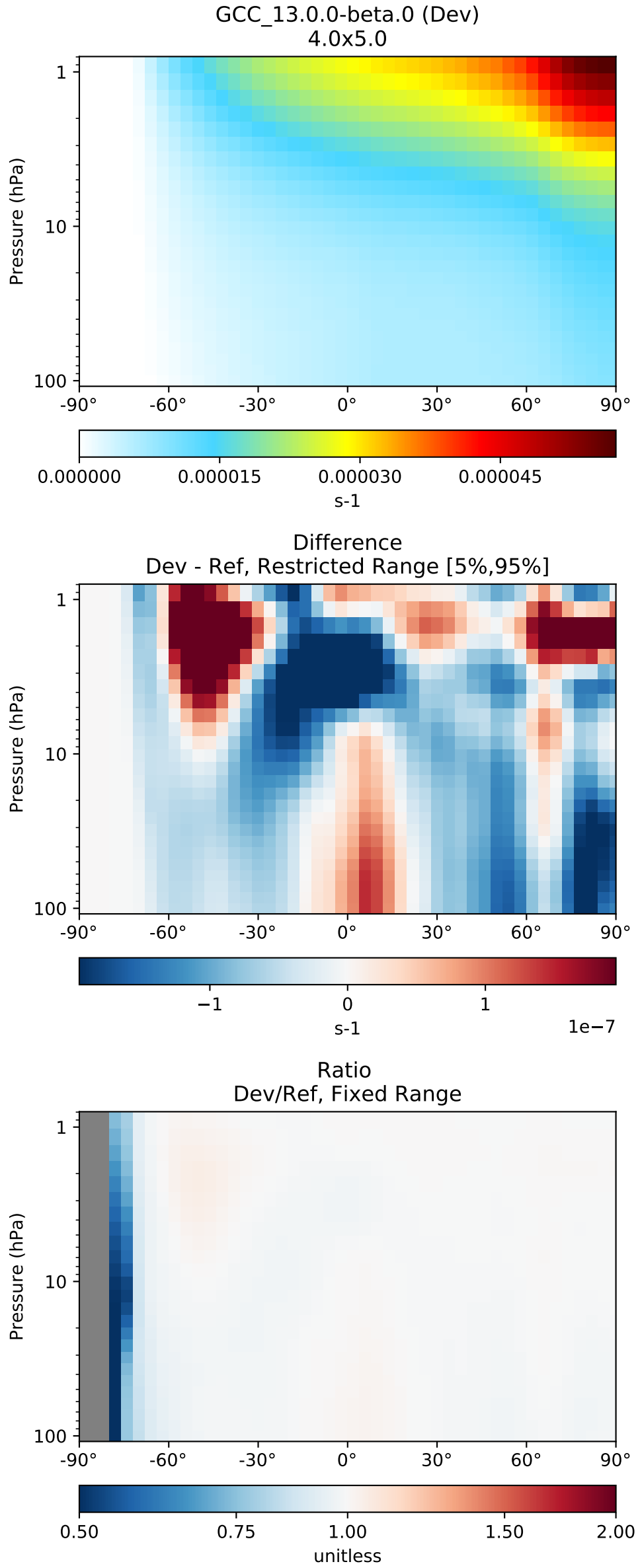
Jval_INO, Zonal Mean



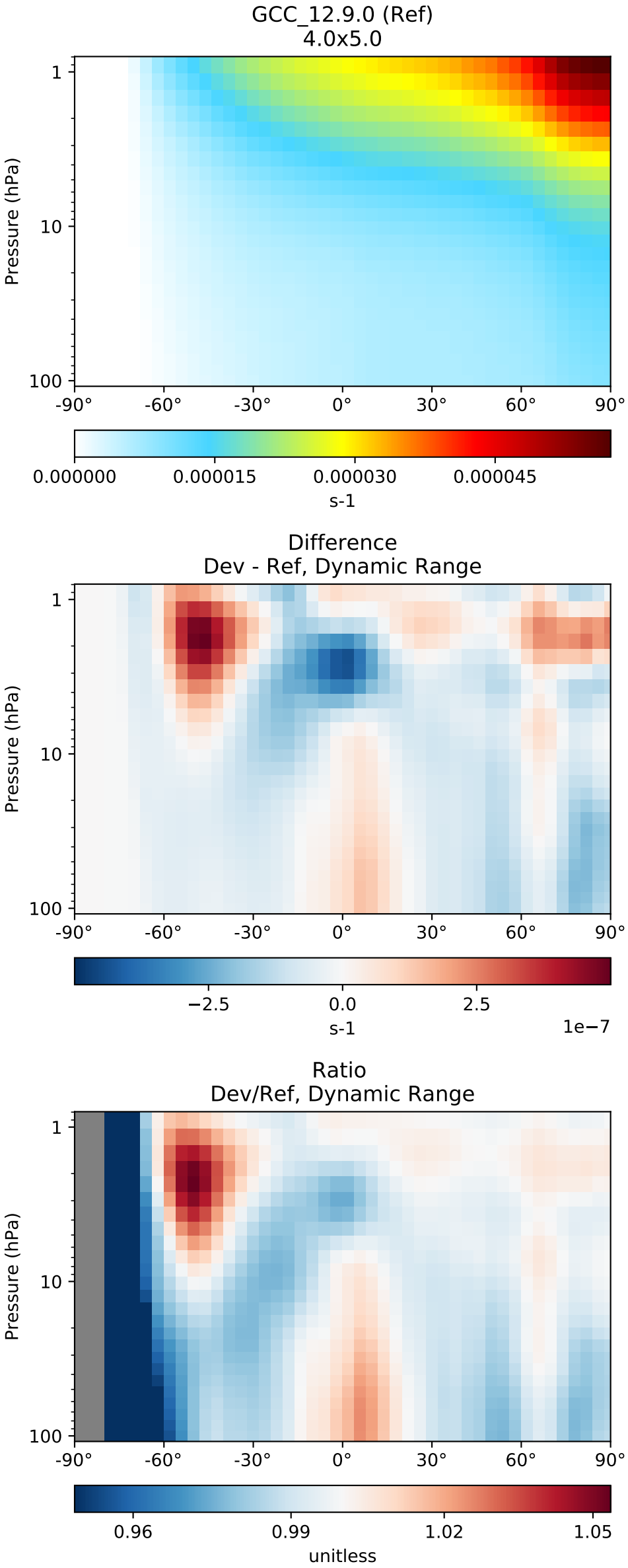


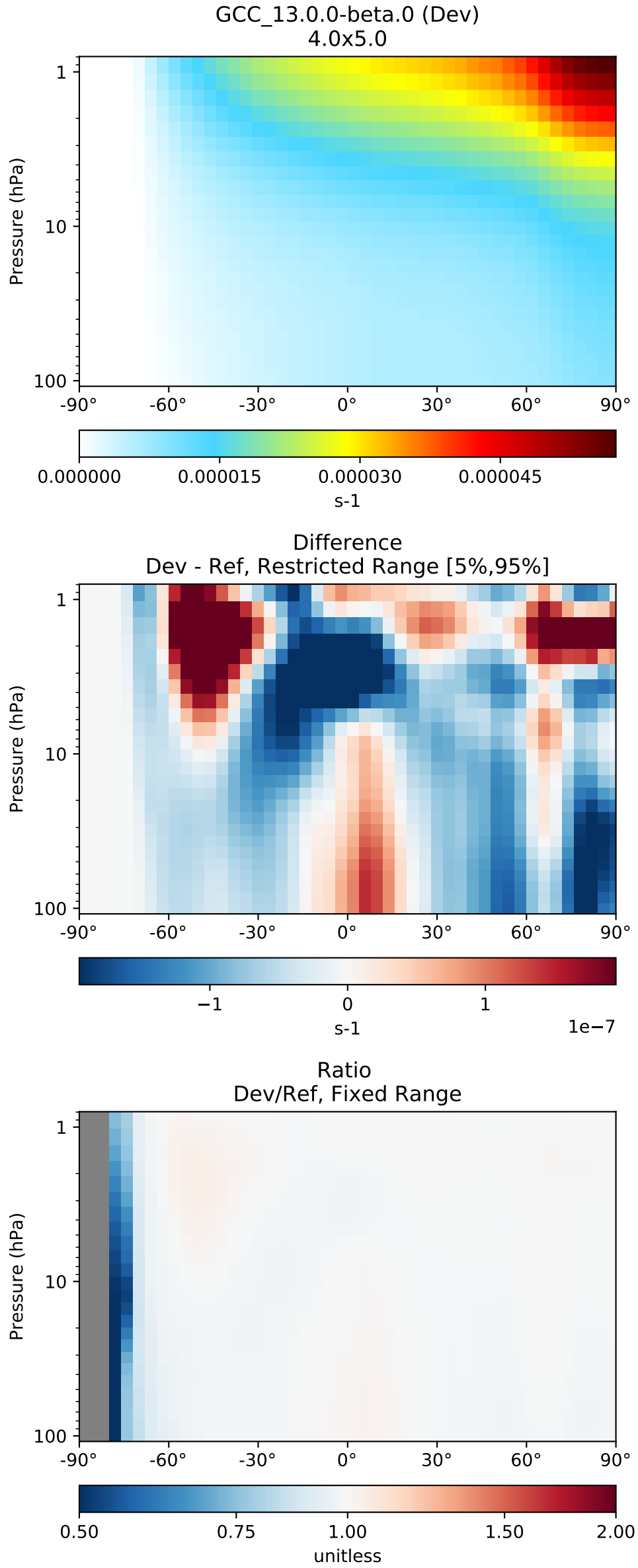
Jval_INPB, Zonal Mean



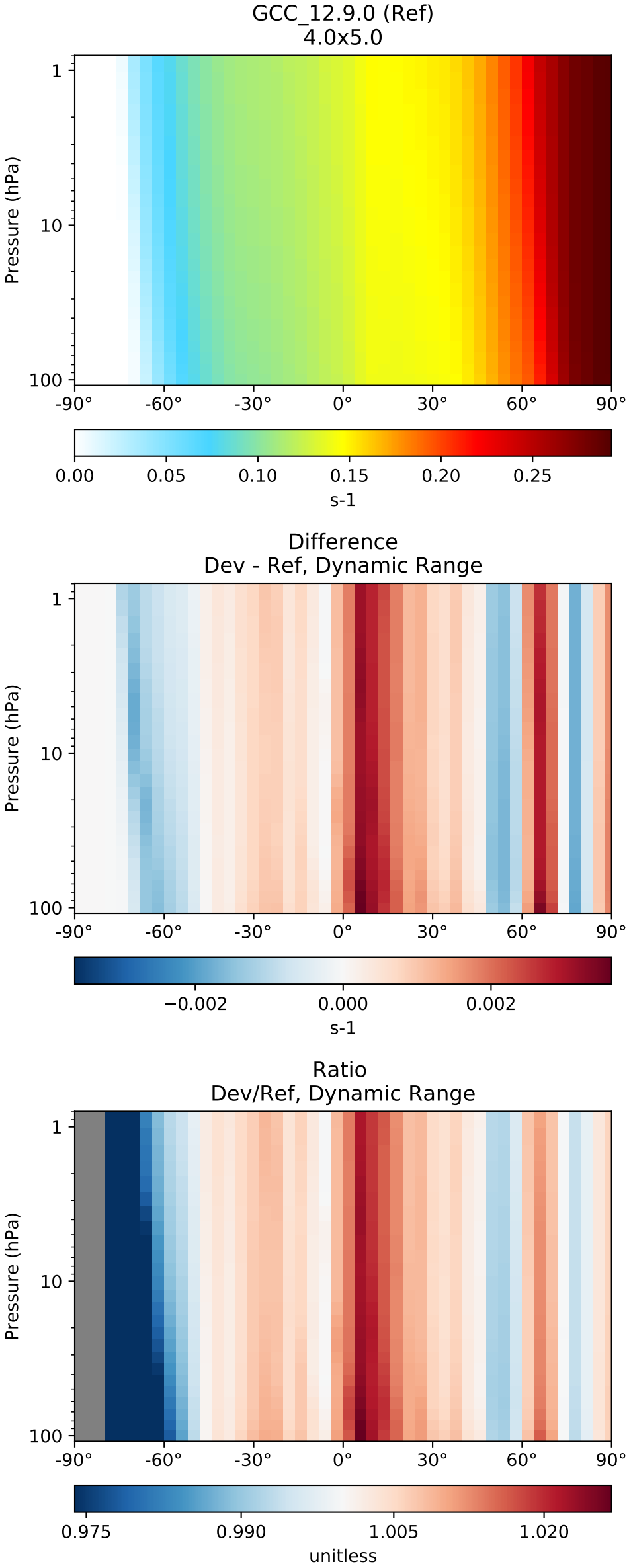


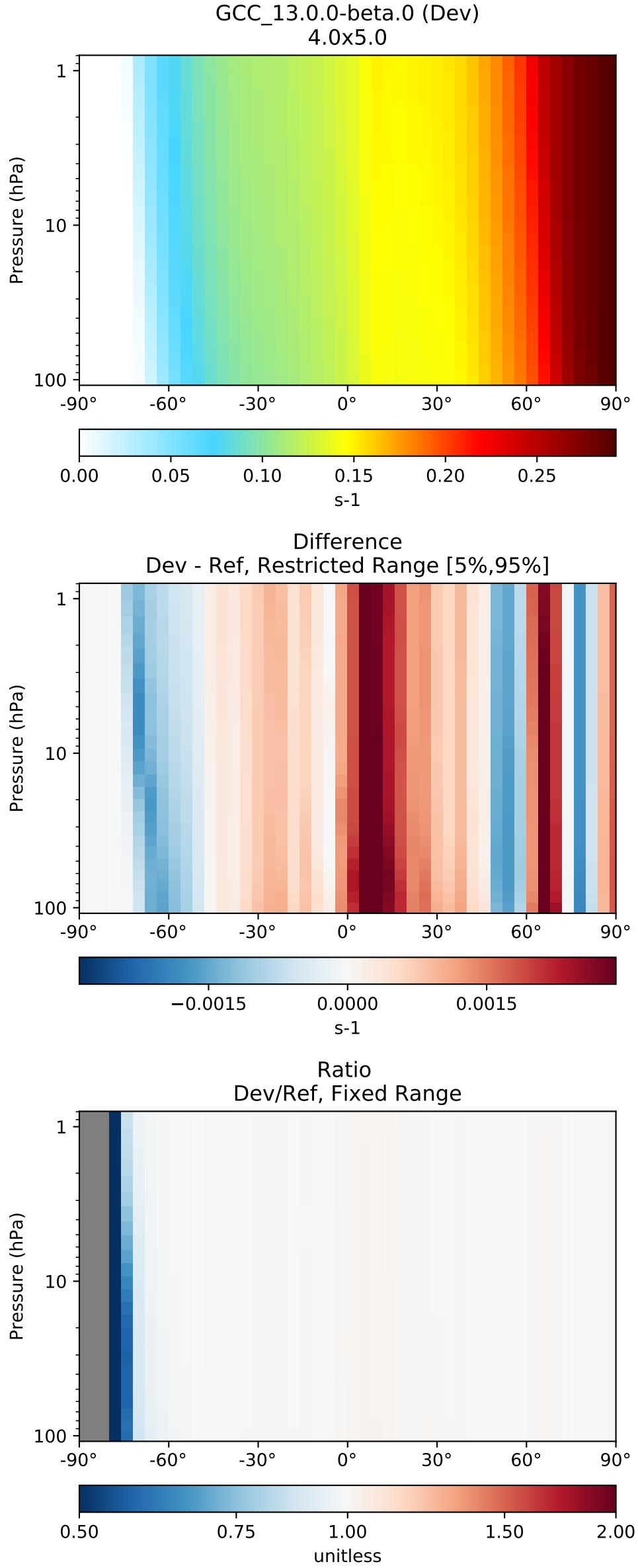
Jval_INPD, Zonal Mean



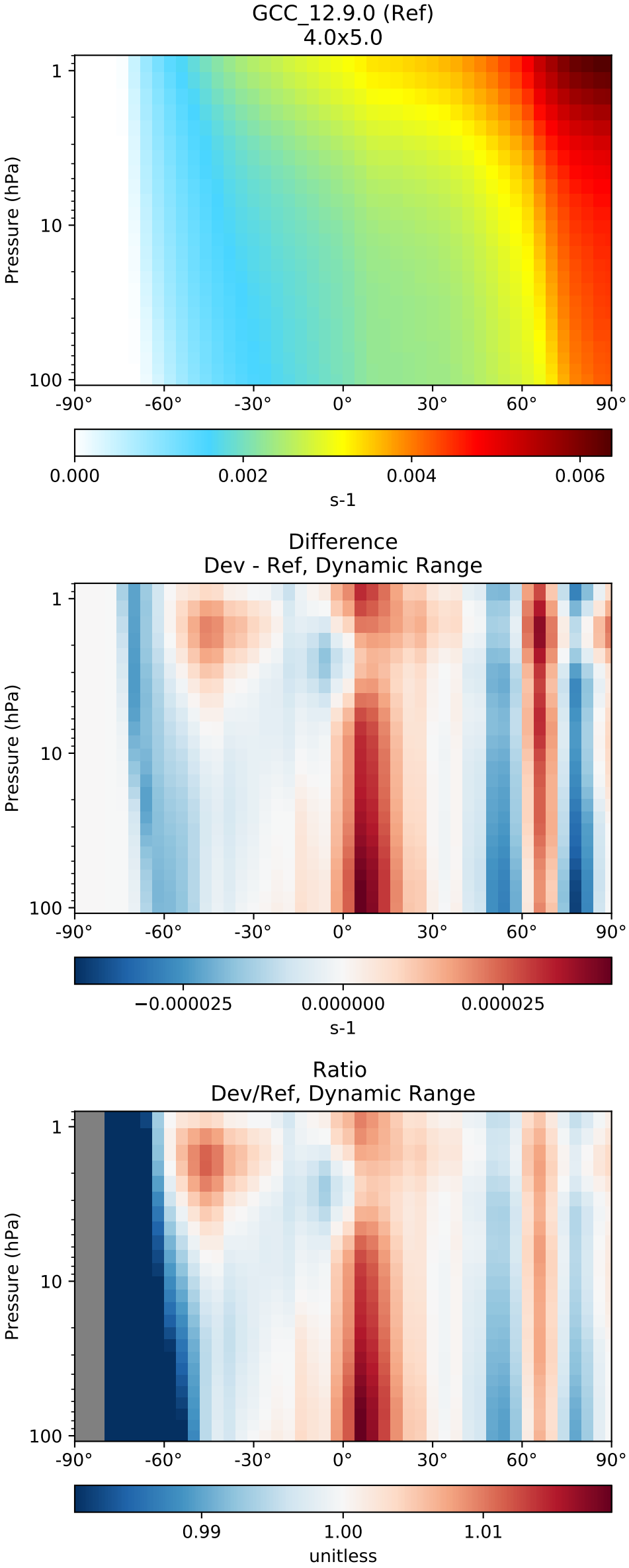


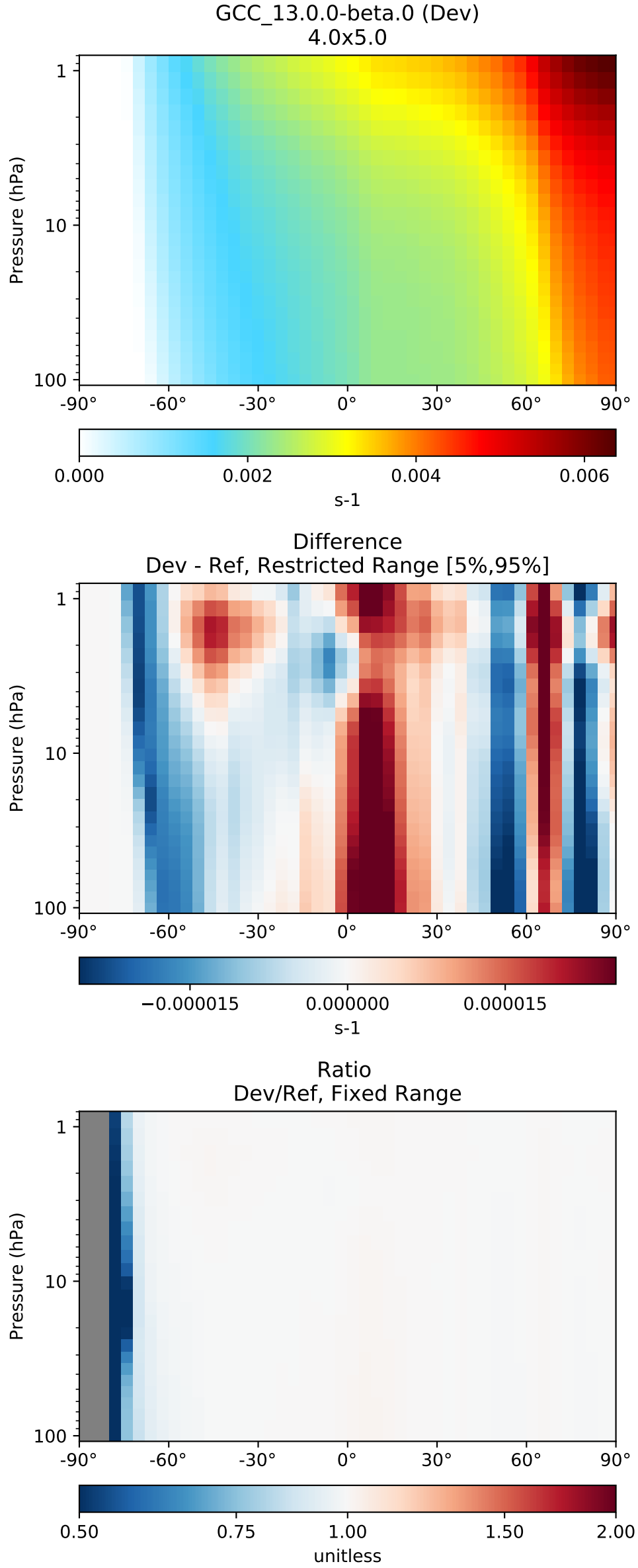
Jval_IO, Zonal Mean



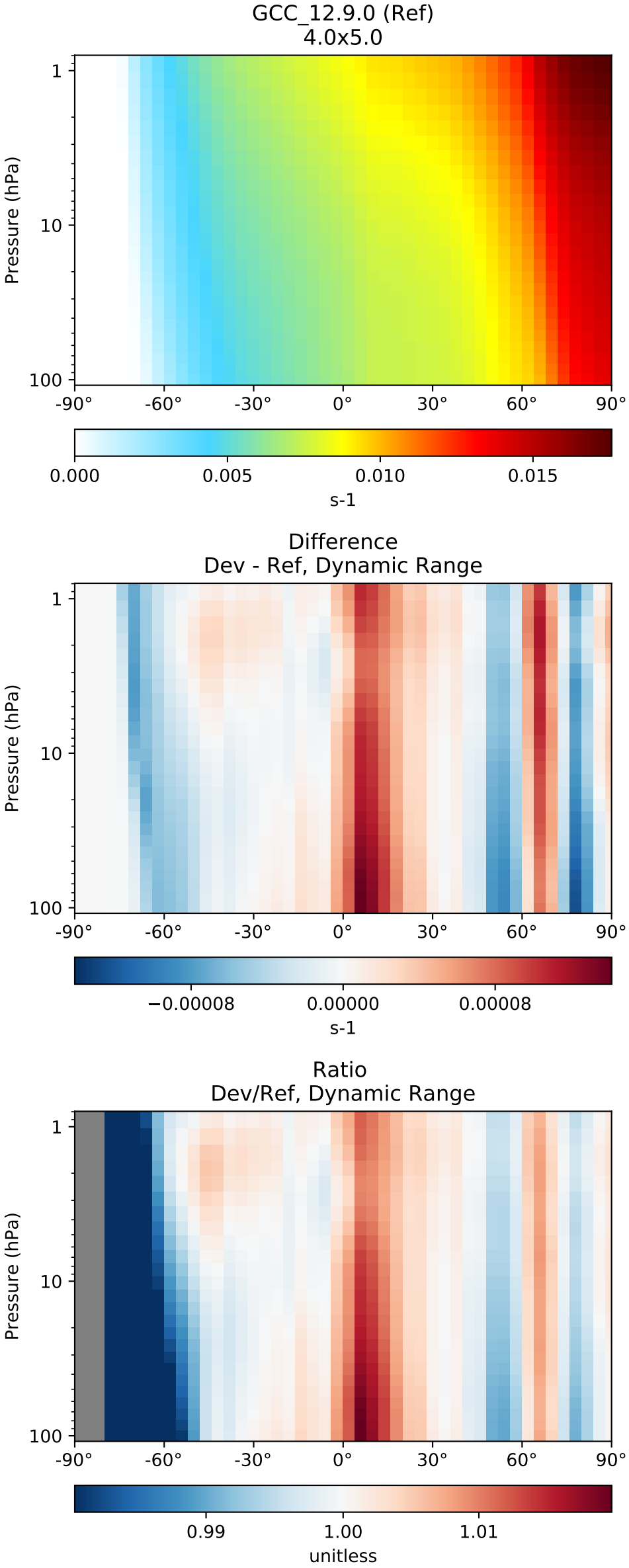


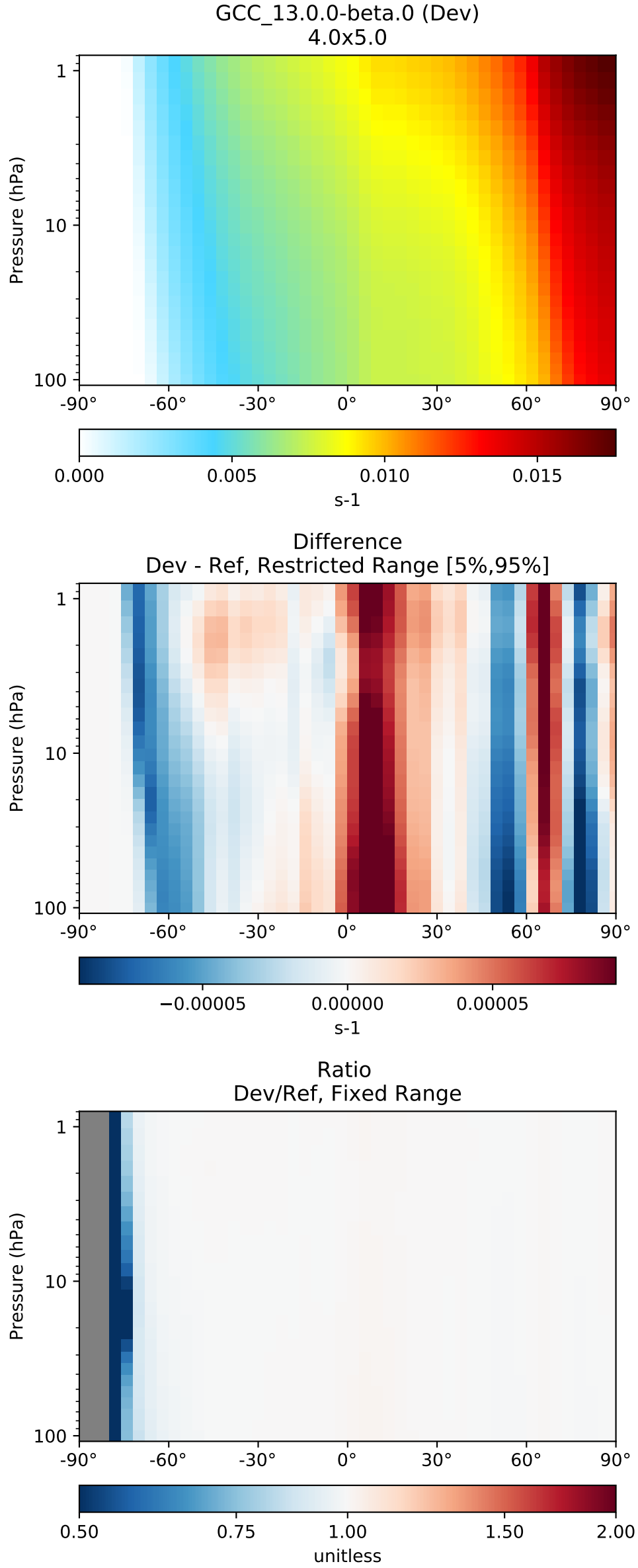
Jval_IONO, Zonal Mean



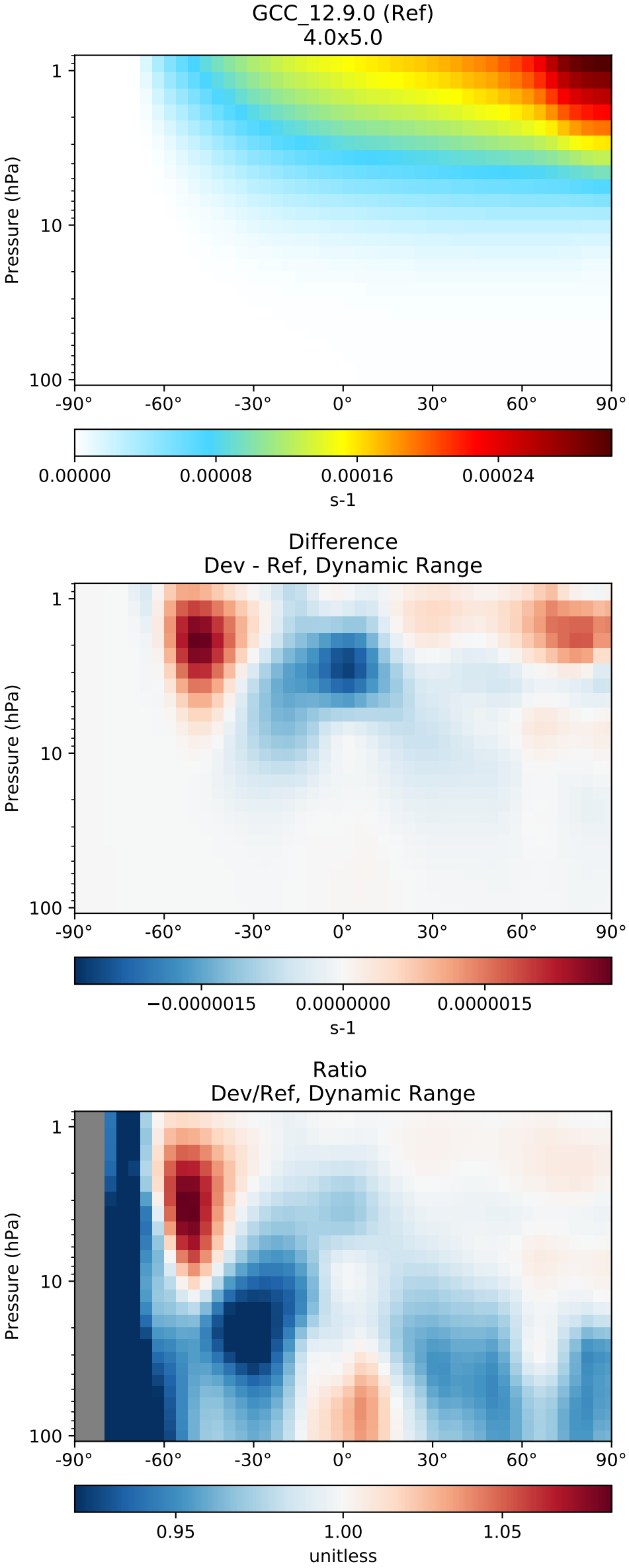


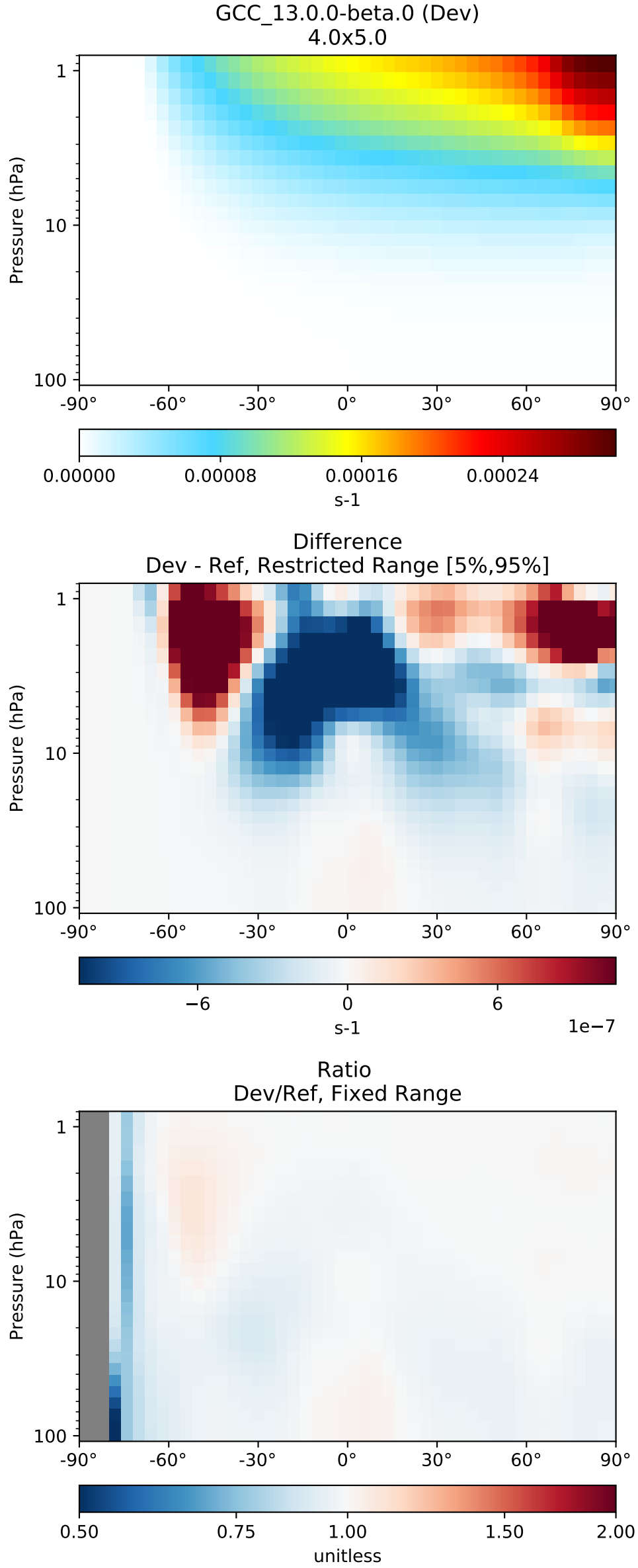
Jval_IONO2, Zonal Mean



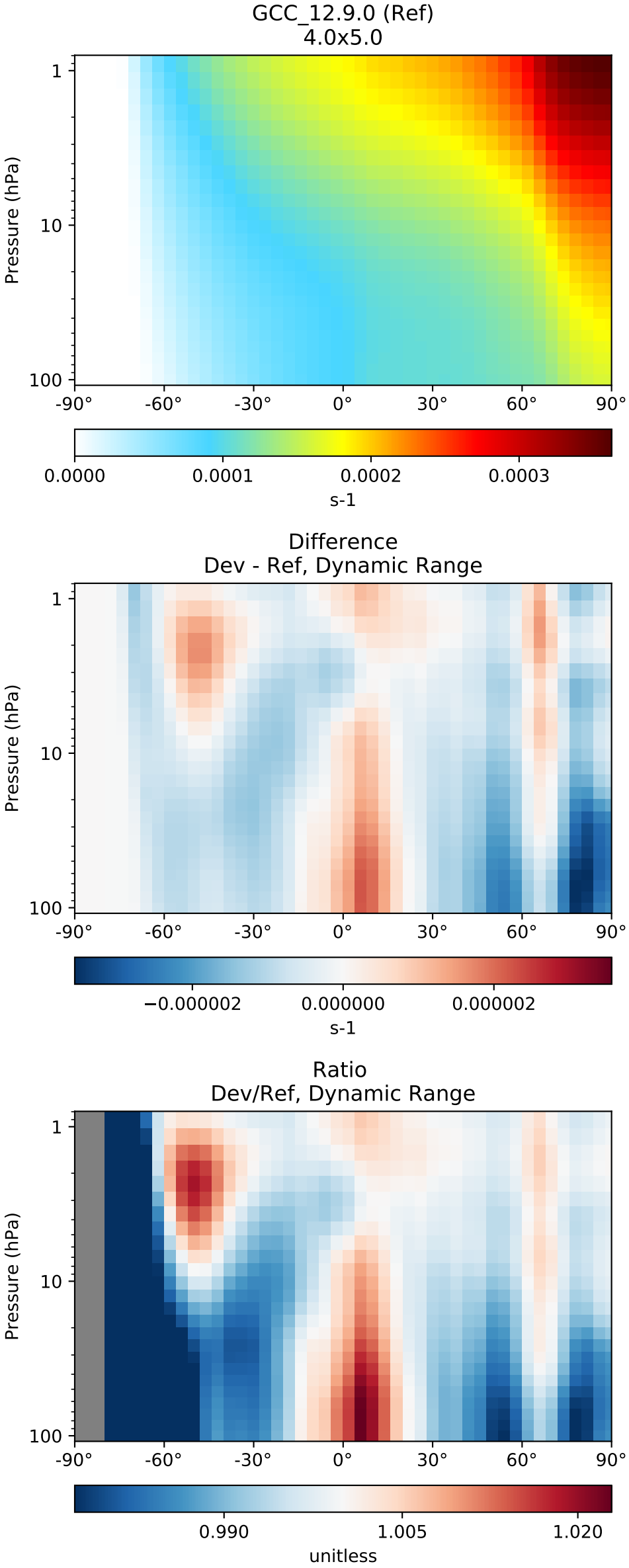


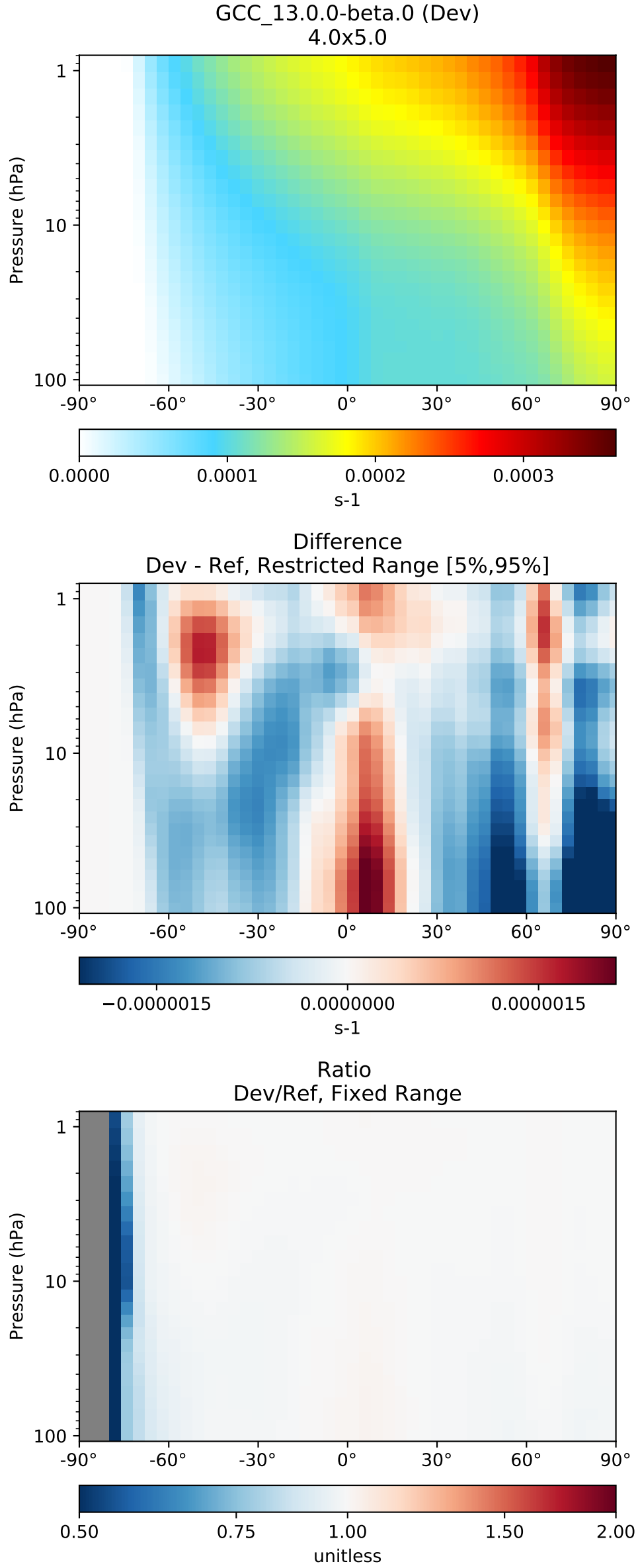
Jval_IPRNO3, Zonal Mean





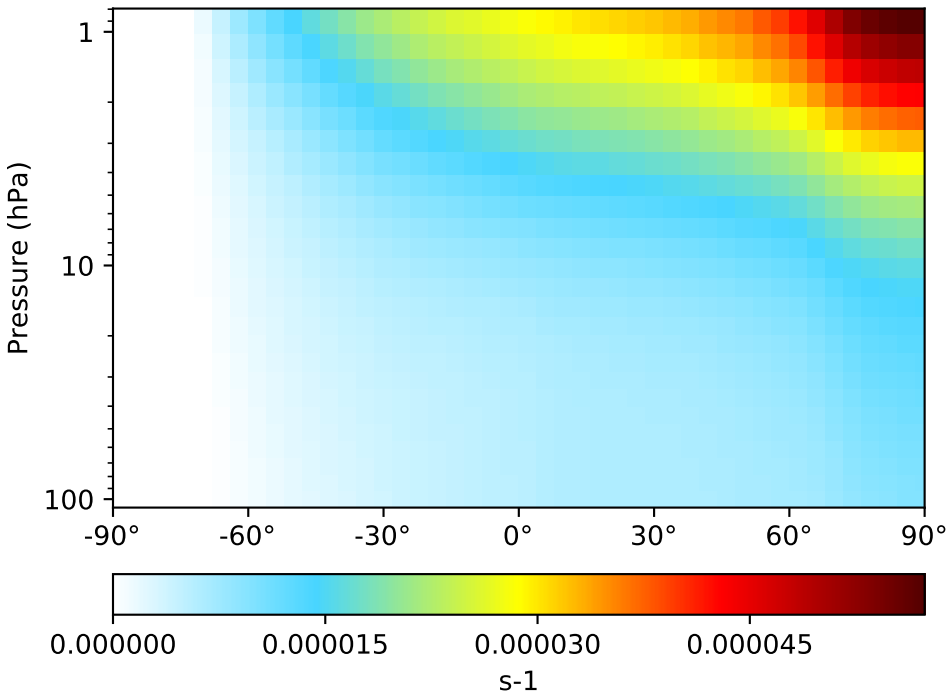
Jval_ITCN, Zonal Mean



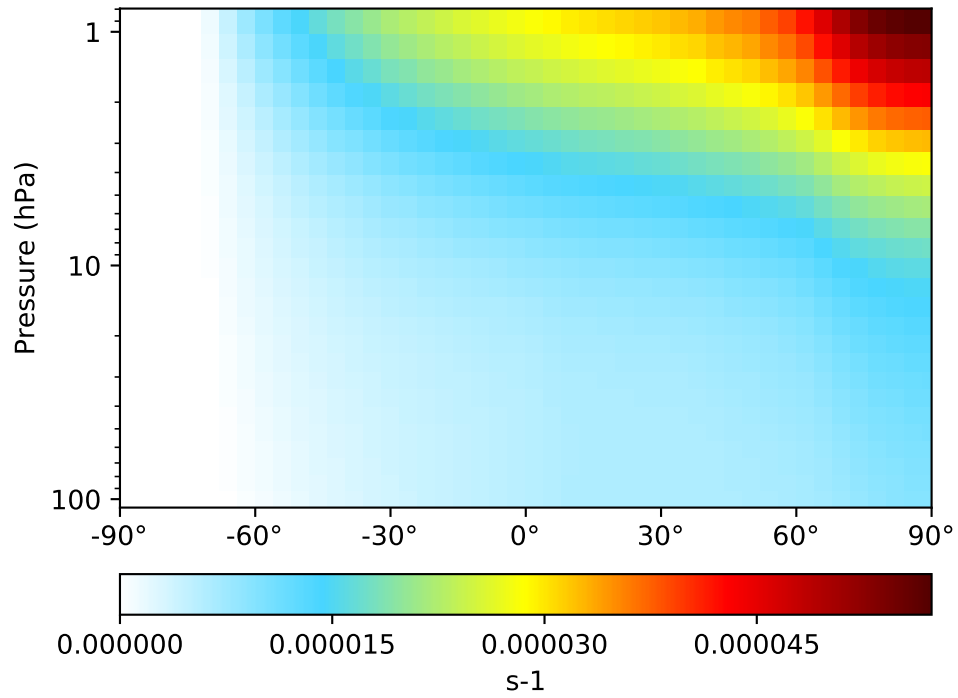


Jval_ITHN, Zonal Mean

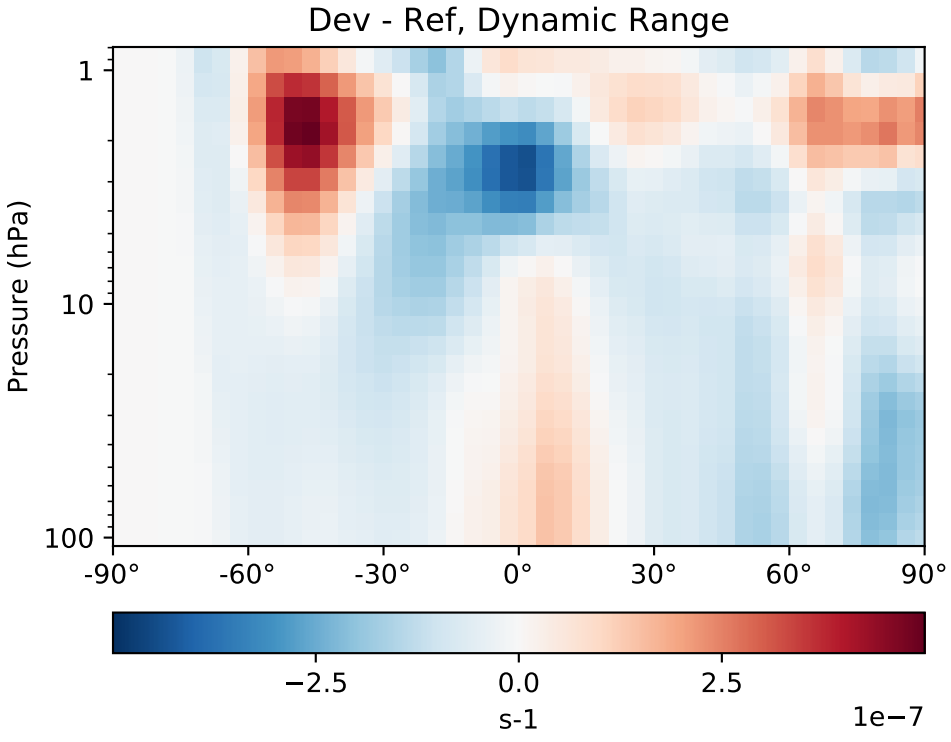
GCC_12.9.0 (Ref)
4.0x5.0



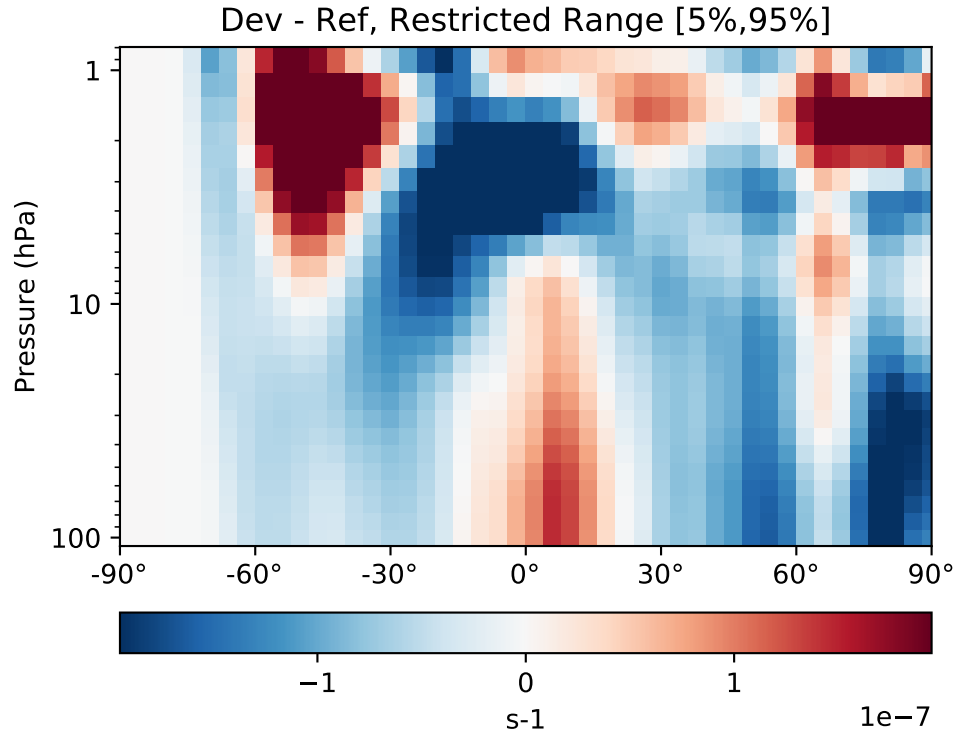
GCC_13.0.0-beta.0 (Dev)
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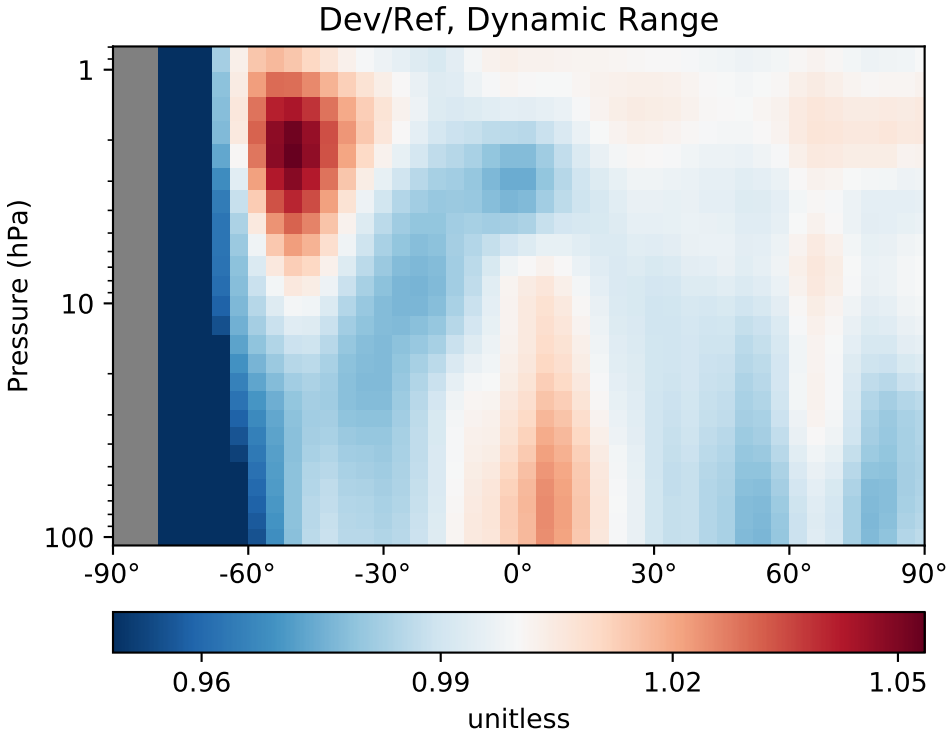
Difference
Dev - Ref, Dynamic Range



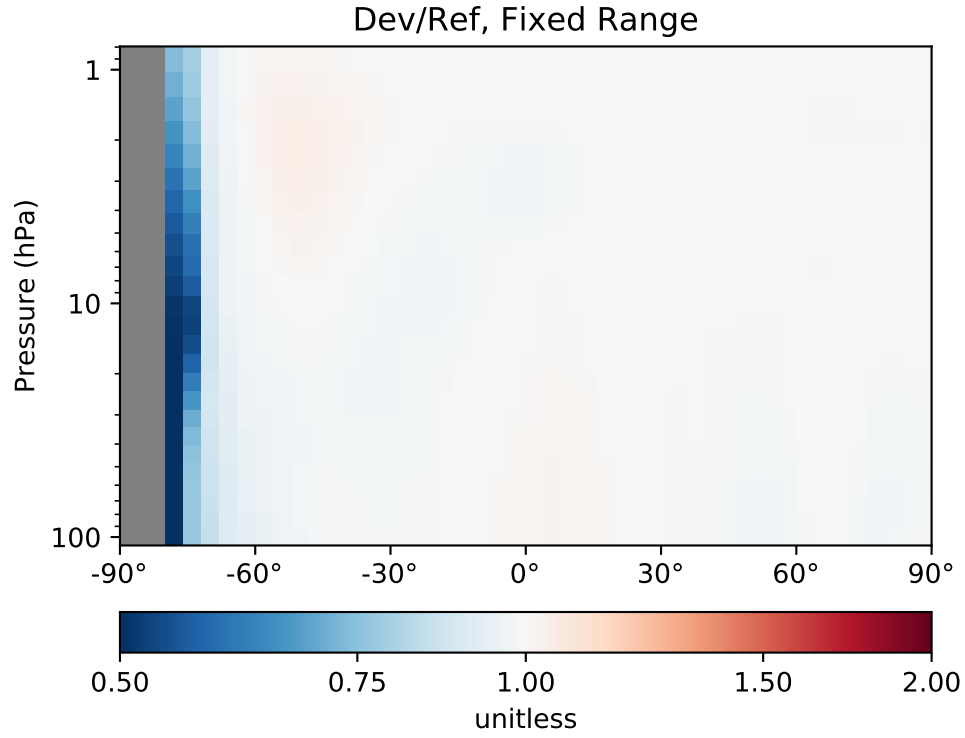
Difference
Dev - Ref, Restricted Range [5%,95%]



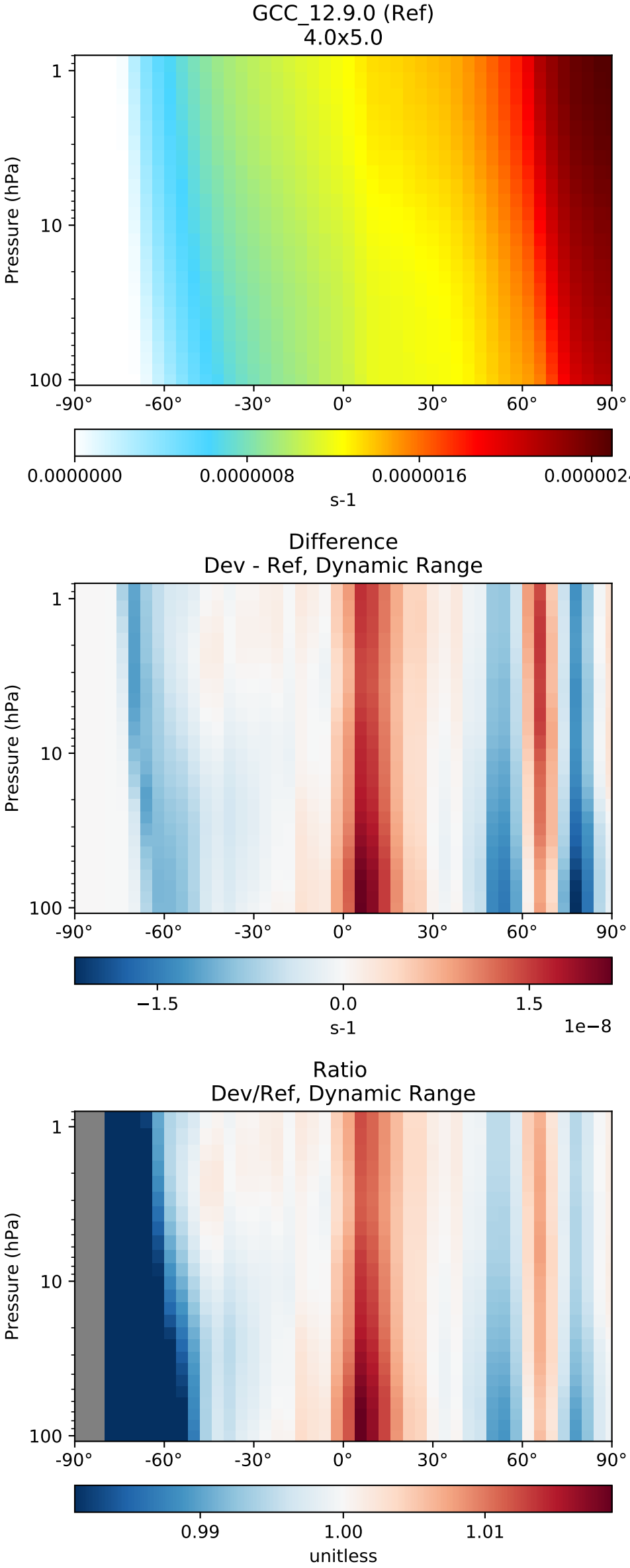
Ratio
Dev/Ref, Dynamic Range

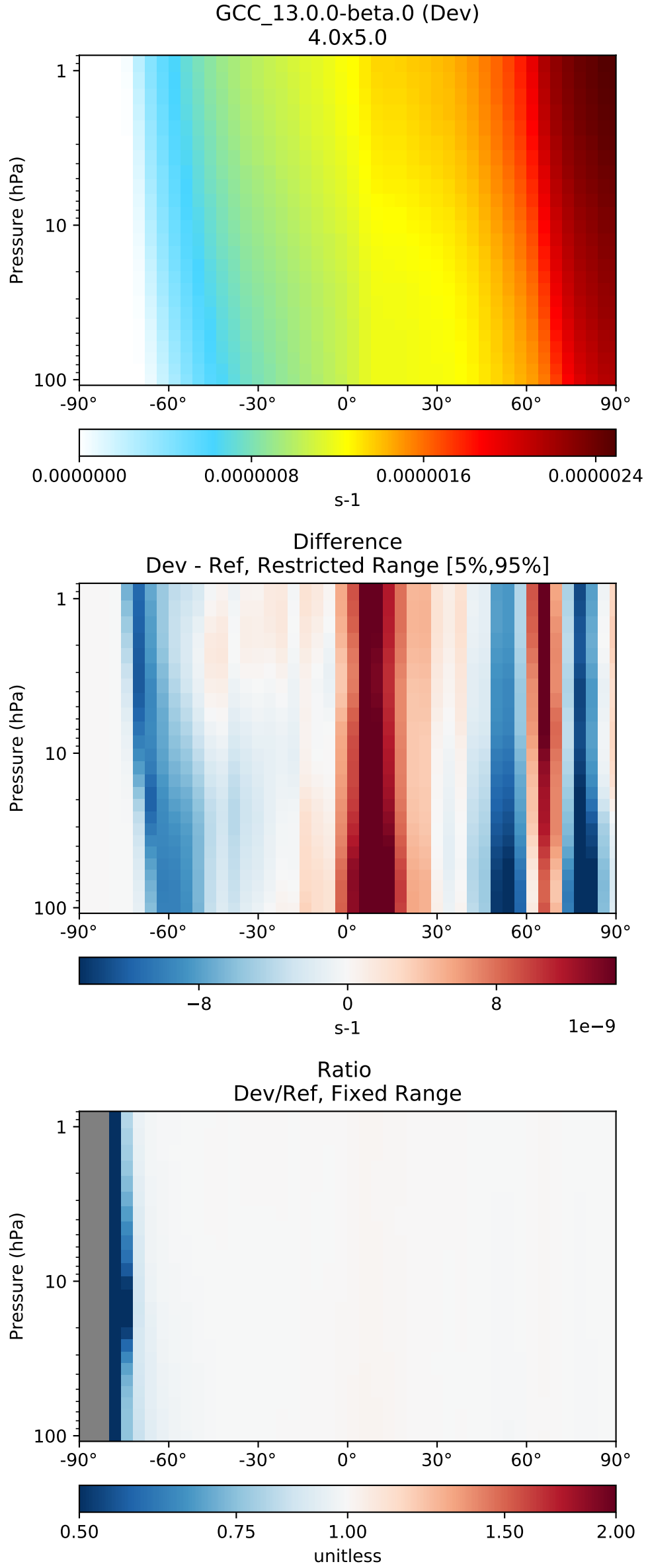


Ratio
Dev/Ref, Fixed Range

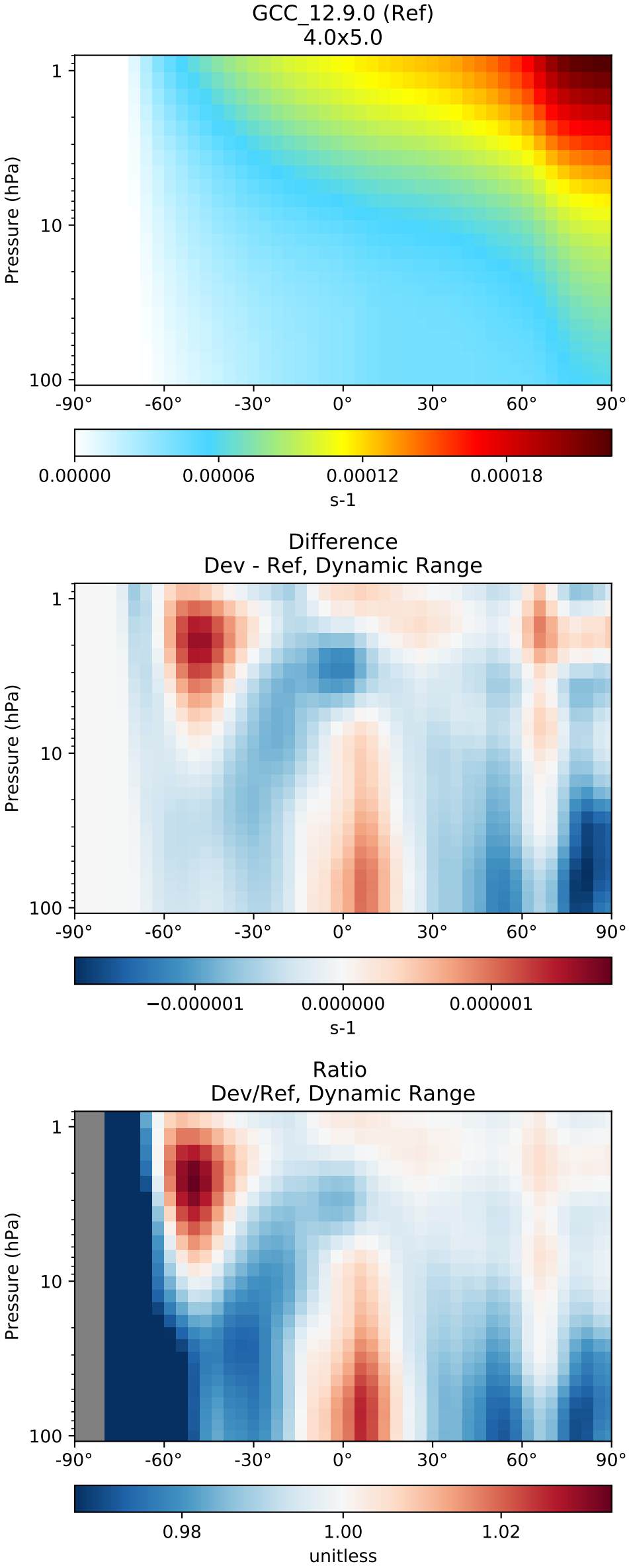


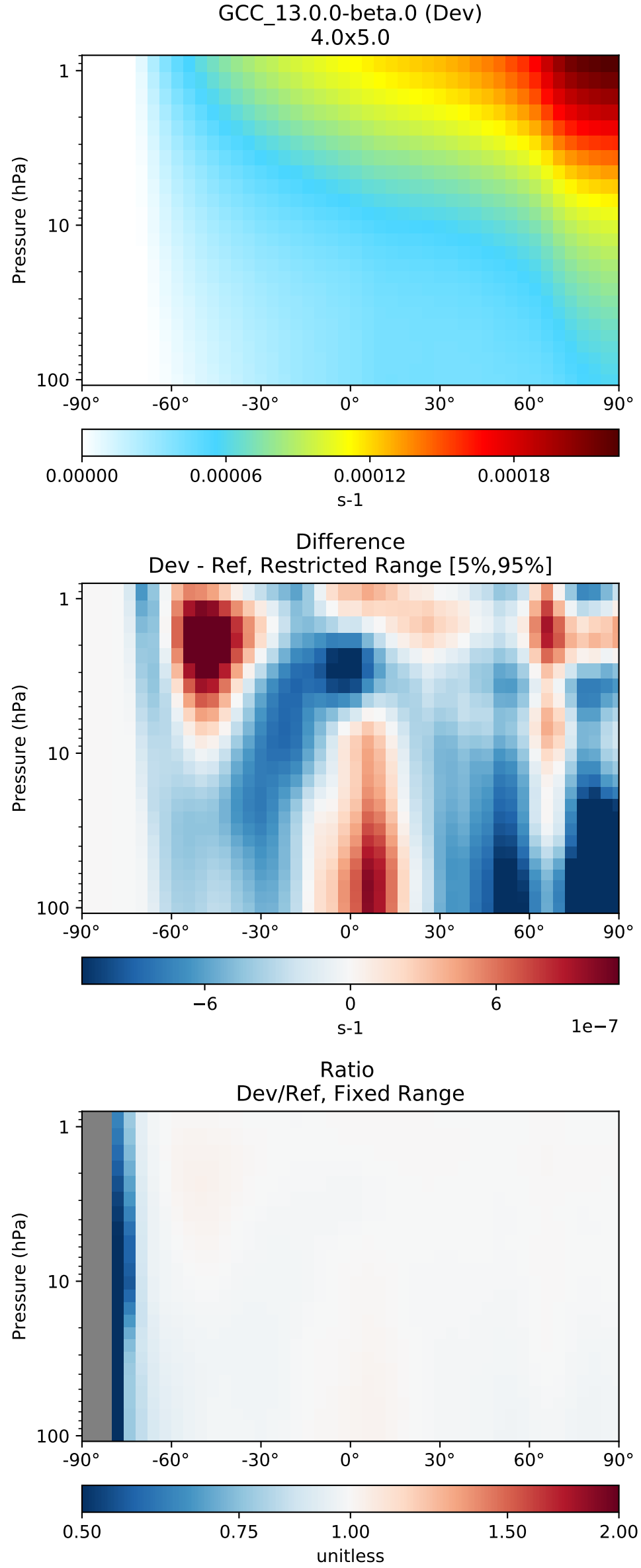
Jval_MACR, Zonal Mean





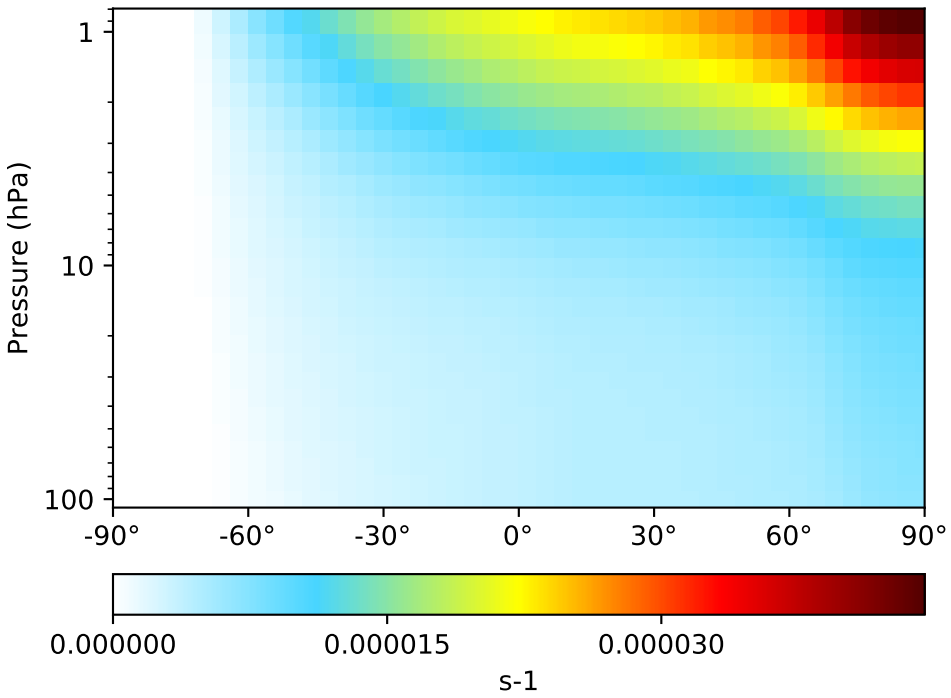
Jval_MACR1OOH, Zonal Mean



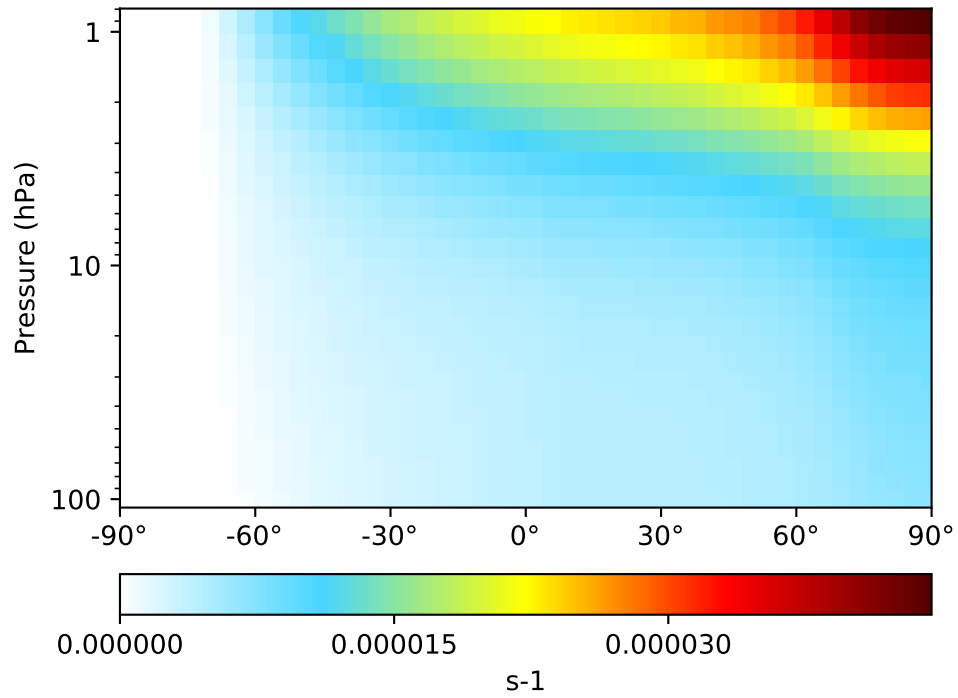


Jval_MAP, Zonal Mean

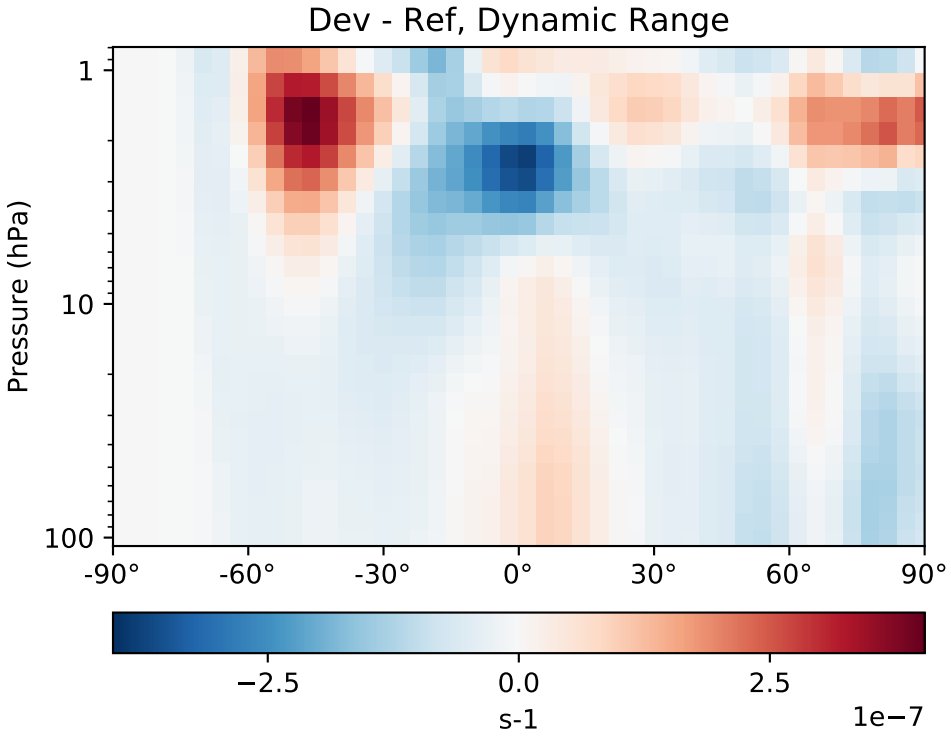
GCC_12.9.0 (Ref)
4.0x5.0



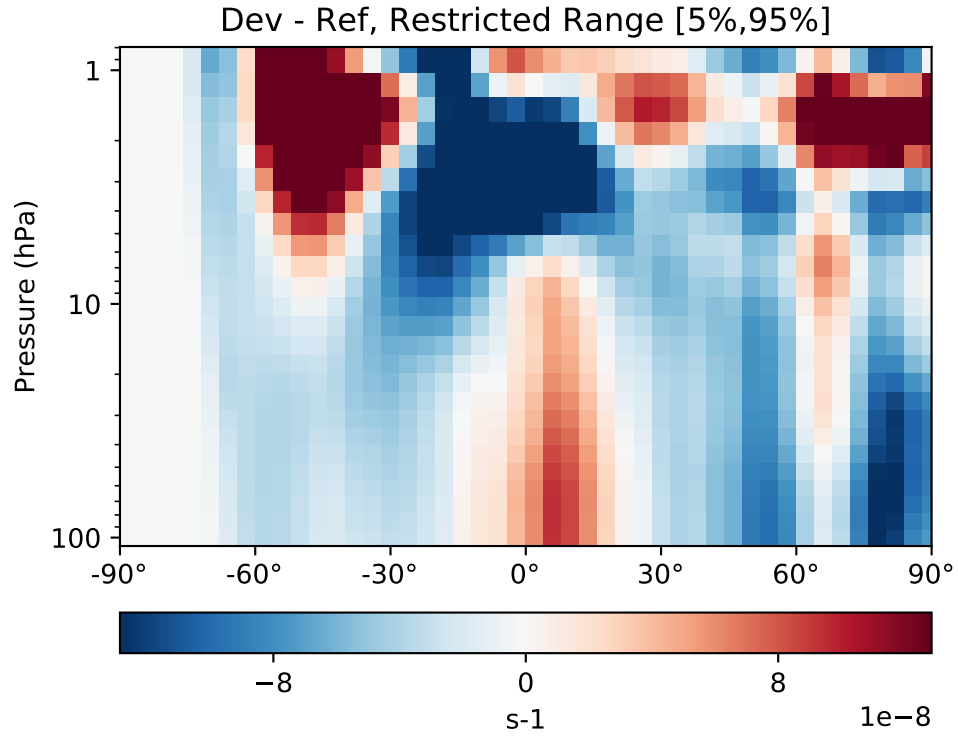
GCC_13.0.0-beta.0 (Dev)
4.0x5.0



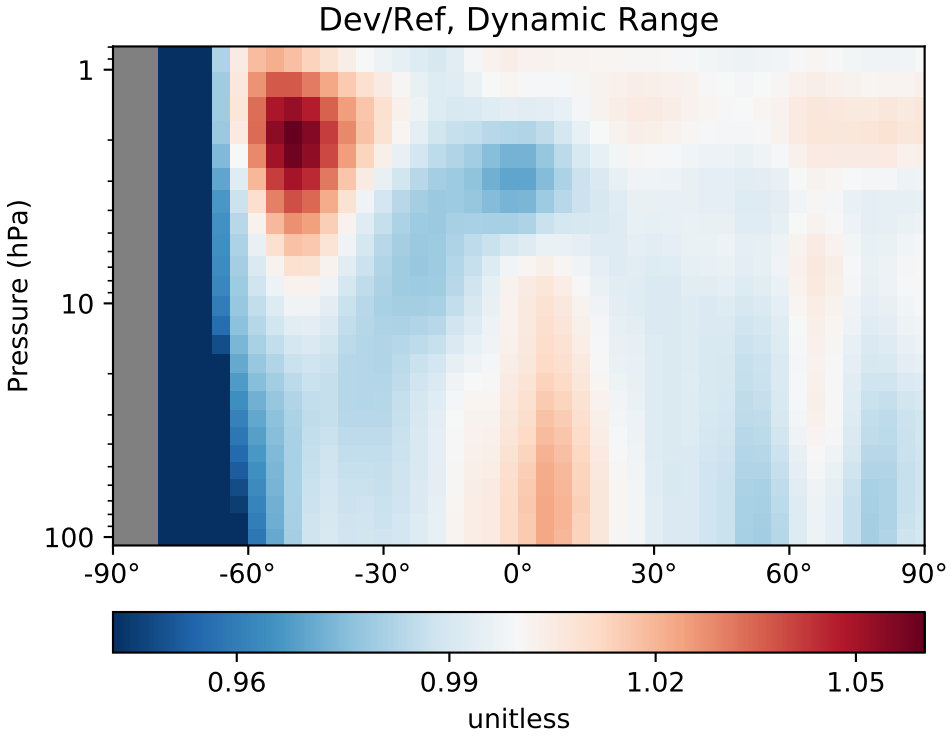
Difference
Dev - Ref, Dynamic Range



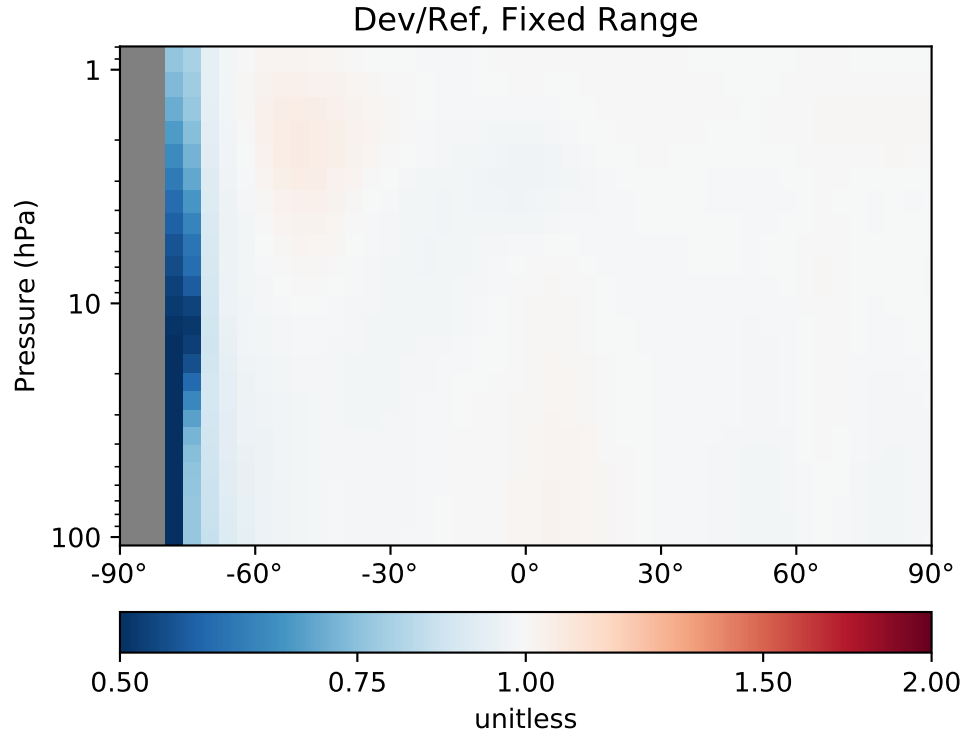
Difference
Dev - Ref, Restricted Range [5%,95%]



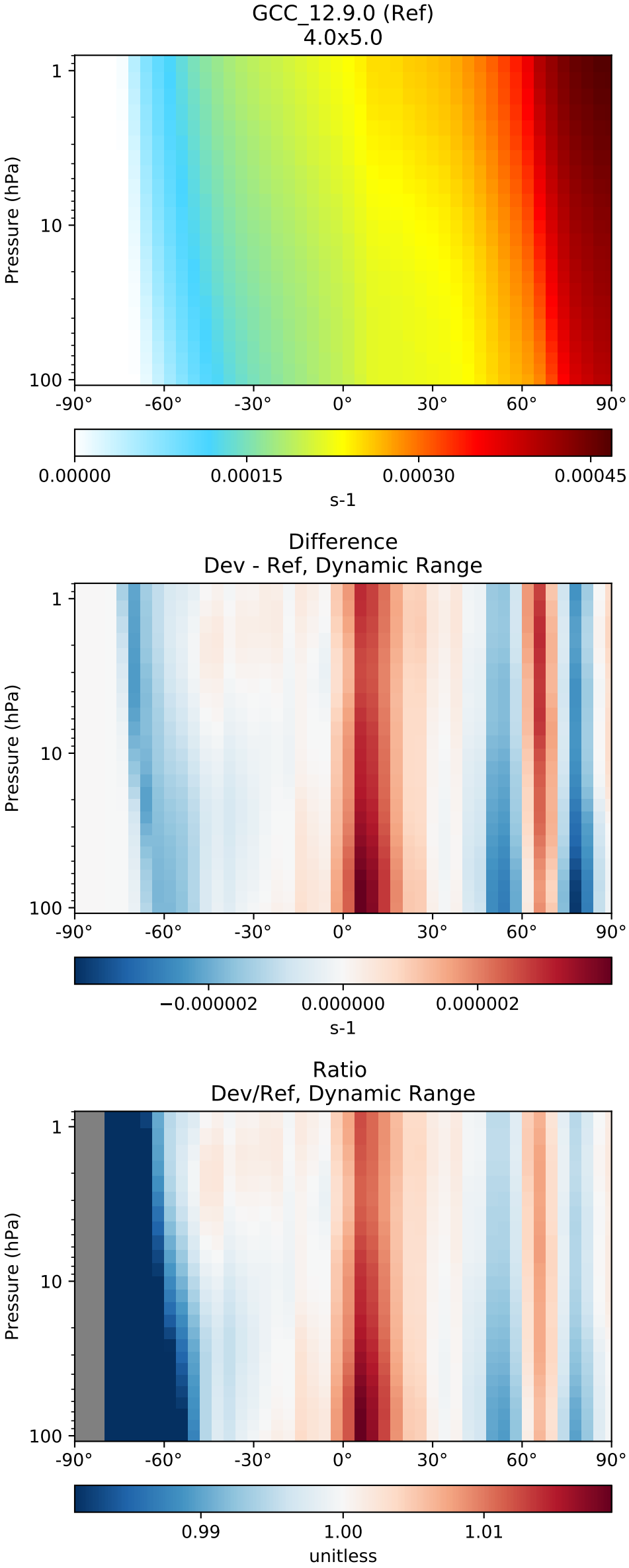
Ratio
Dev/Ref, Dynamic Range

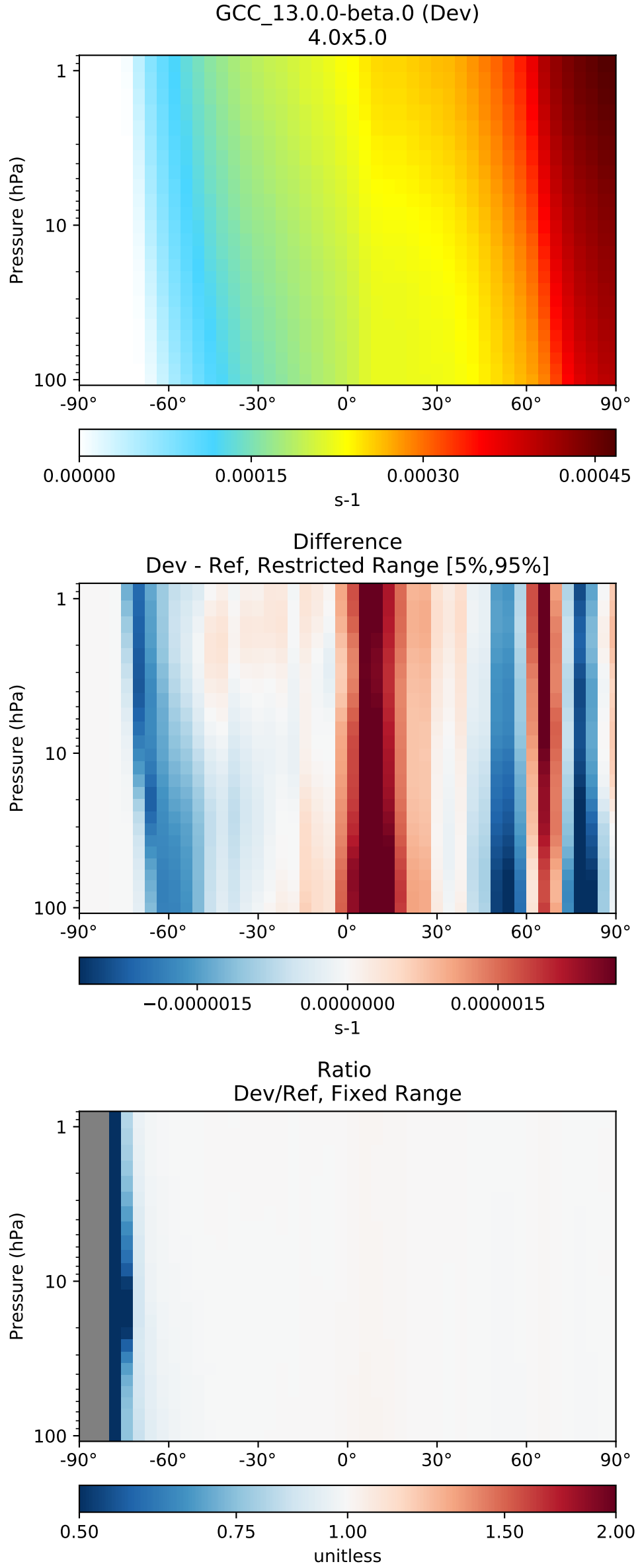


Ratio
Dev/Ref, Fixed Range

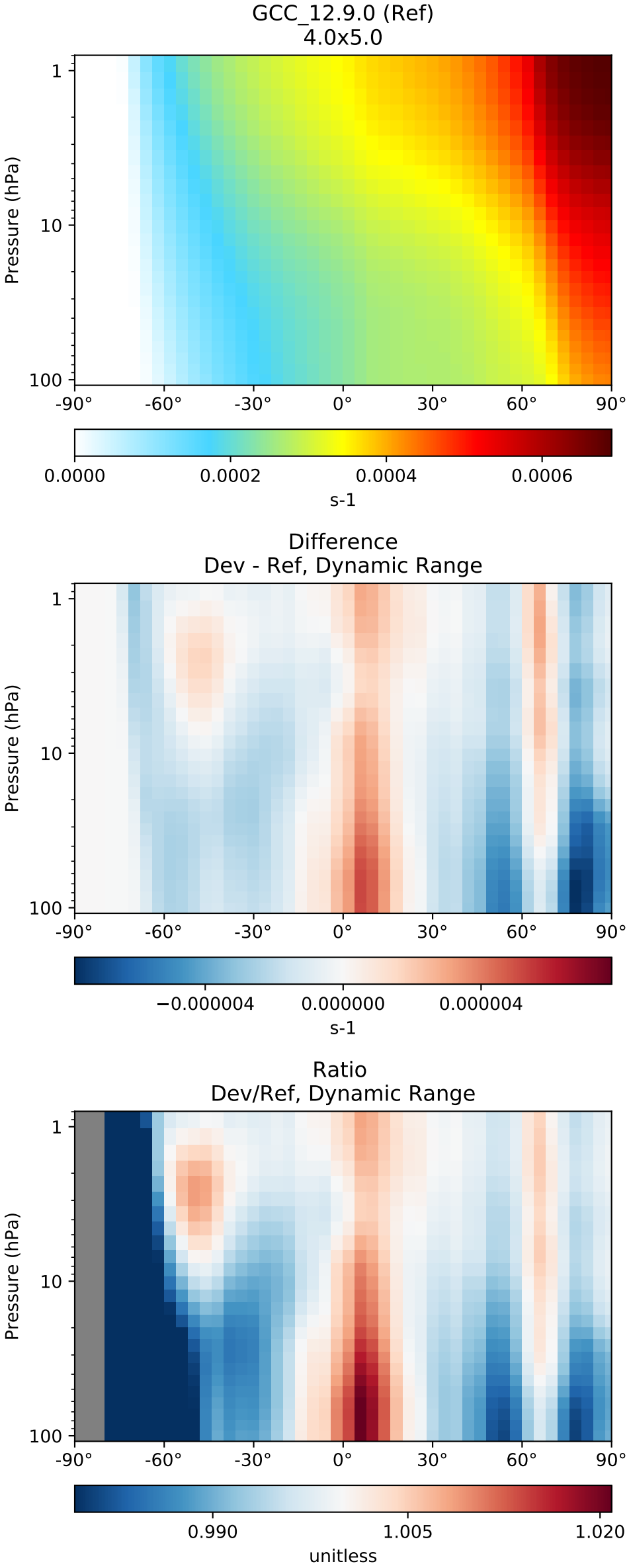


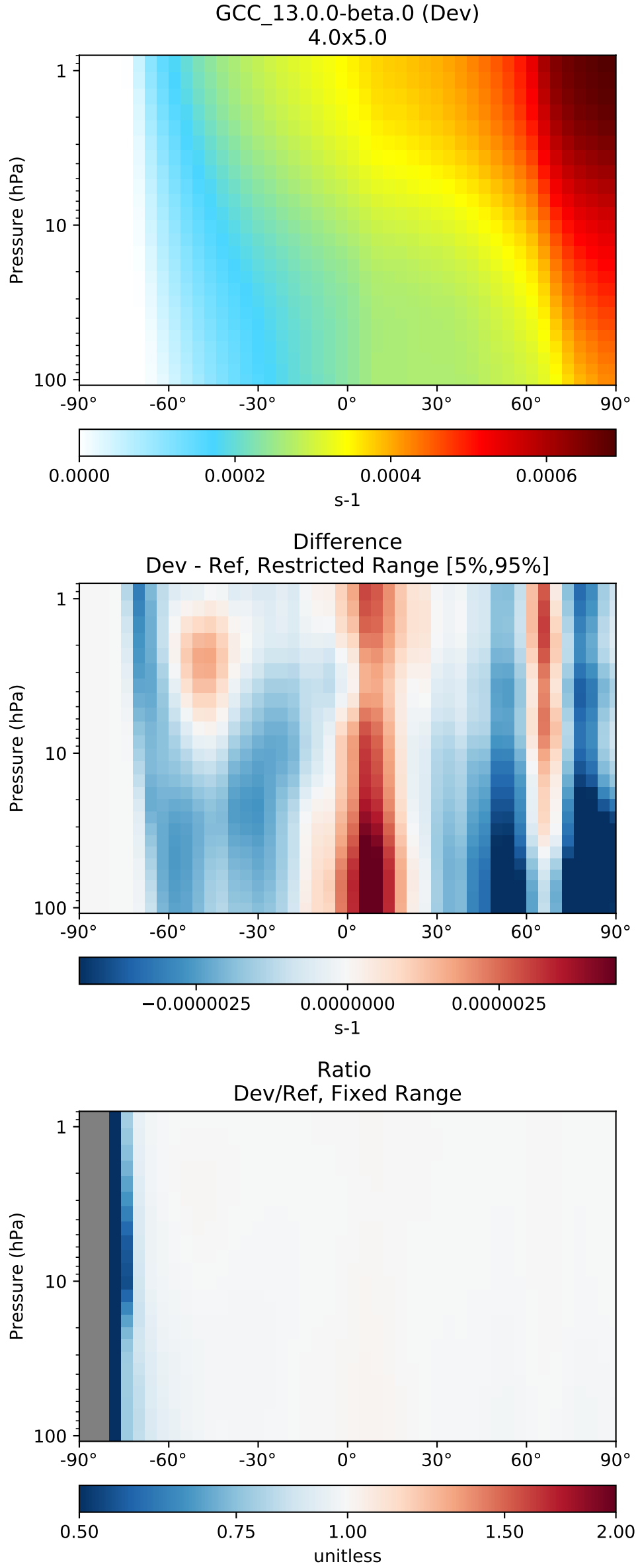
Jval_MCRENOL, Zonal Mean



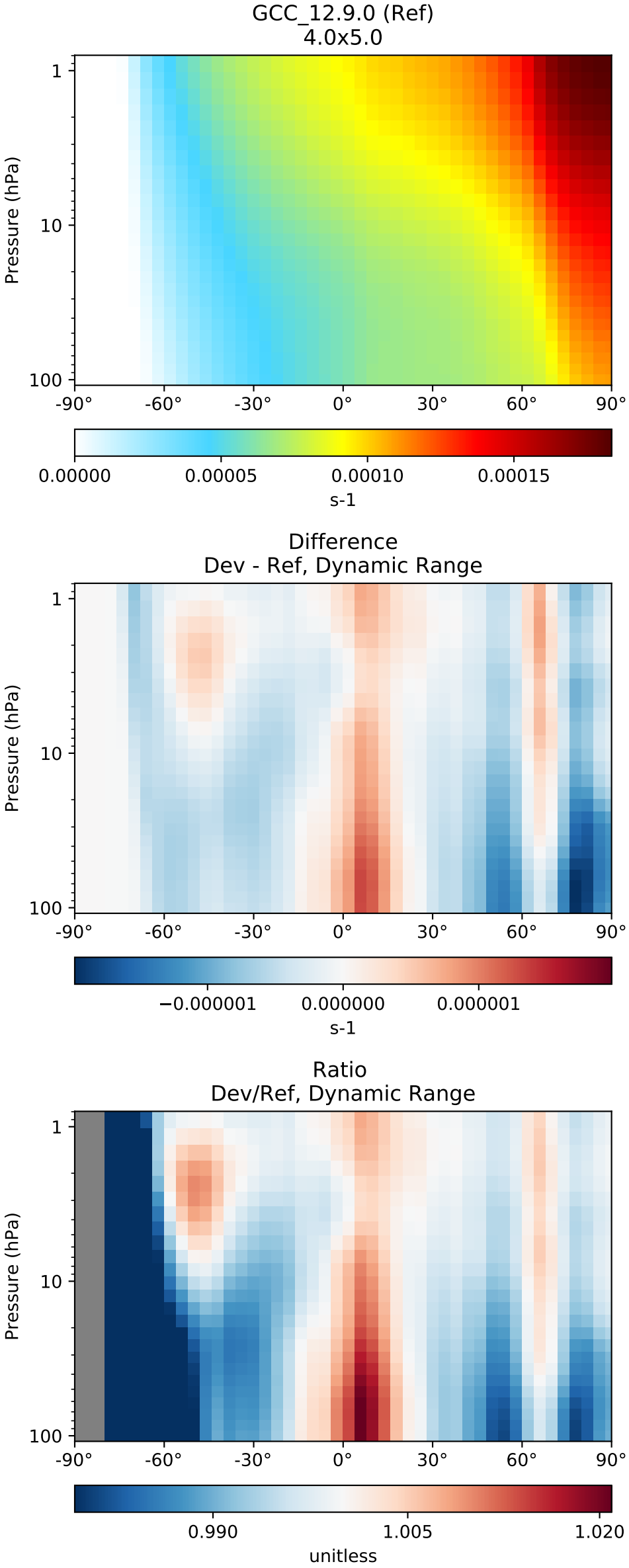


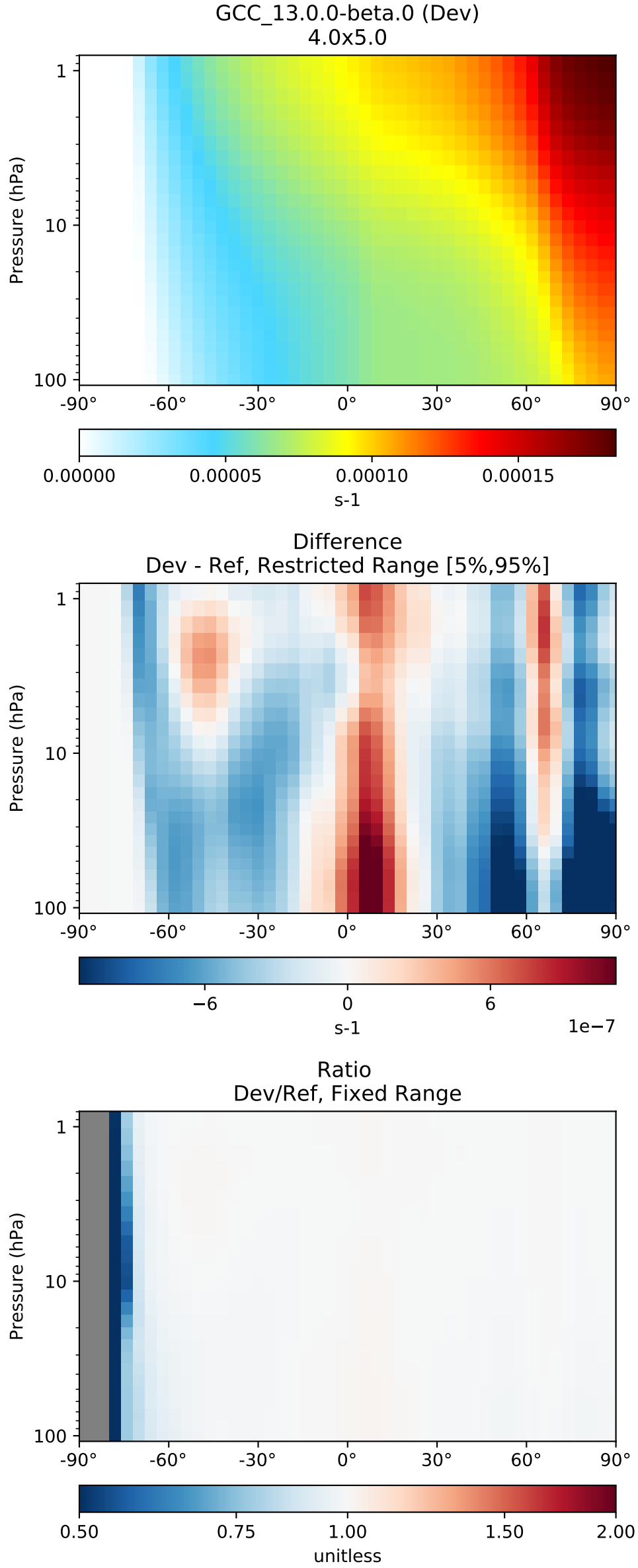
Jval_MCRHN, Zonal Mean



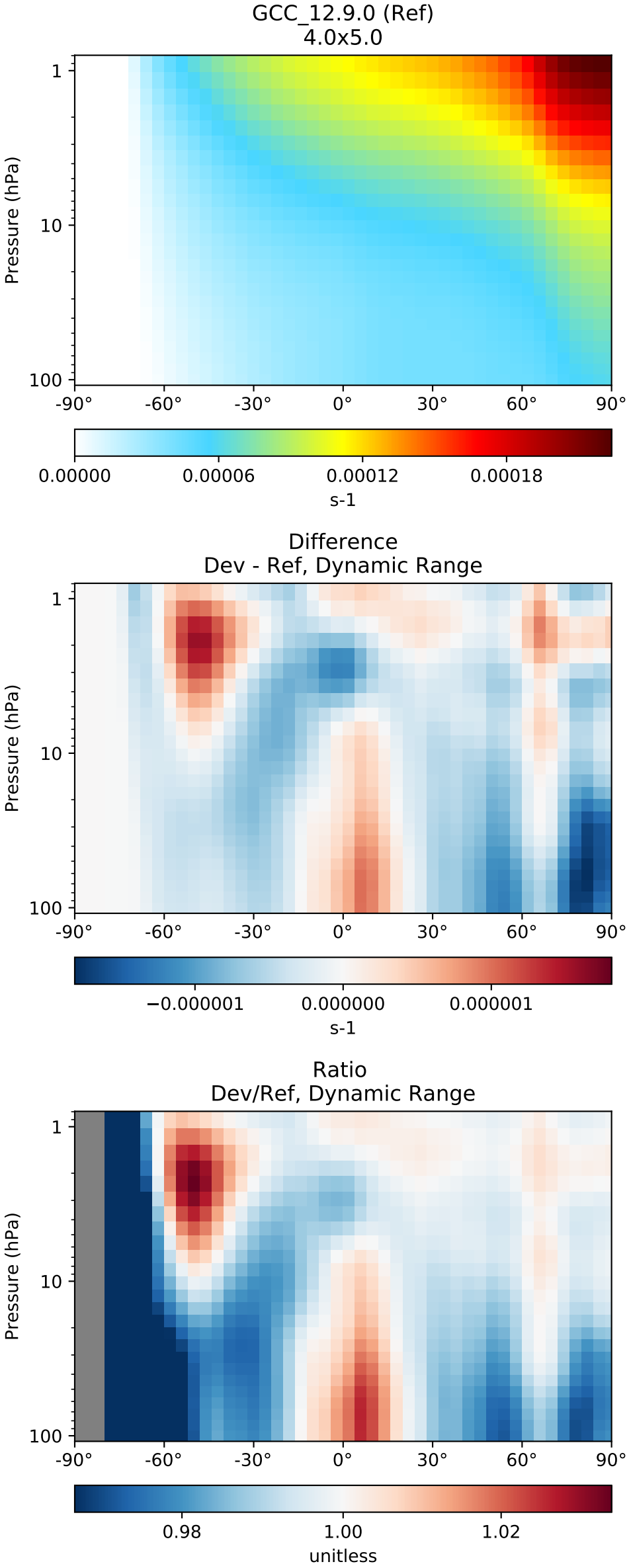


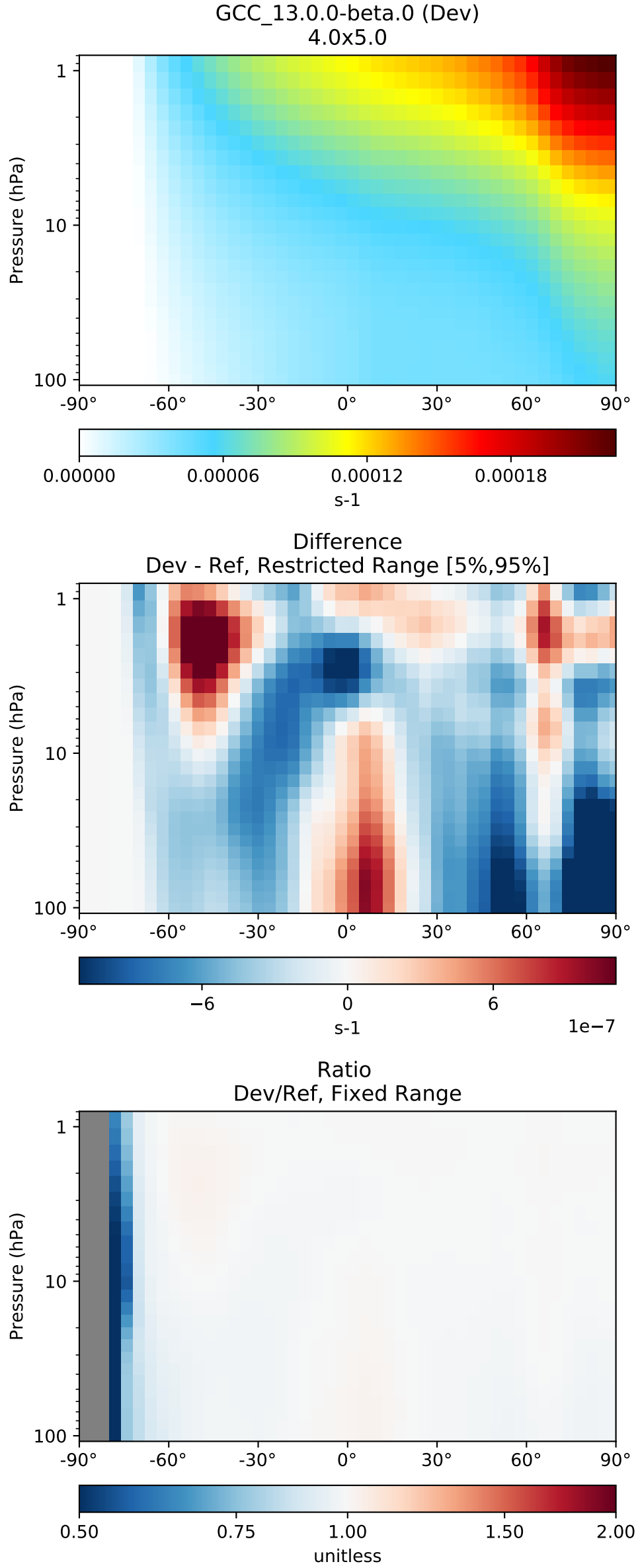
Jval_MCRHNB, Zonal Mean



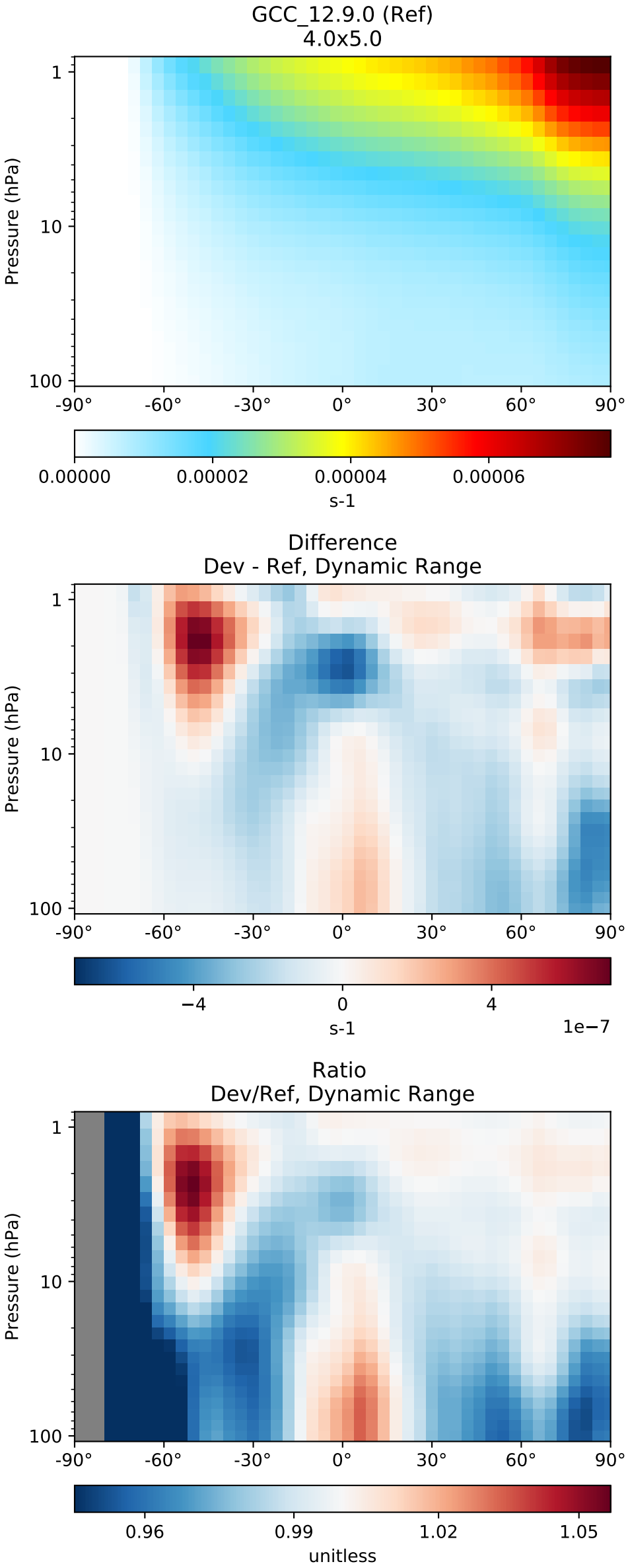


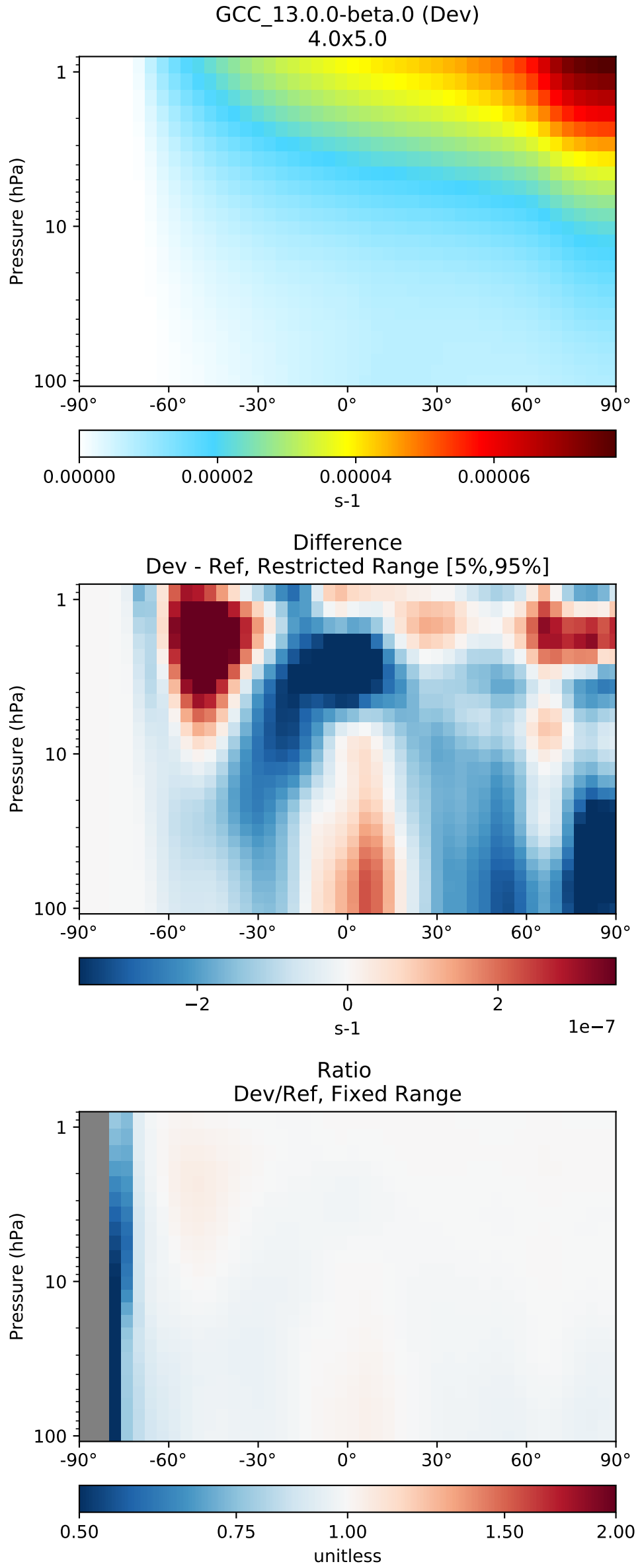
Jval_MCRHP, Zonal Mean



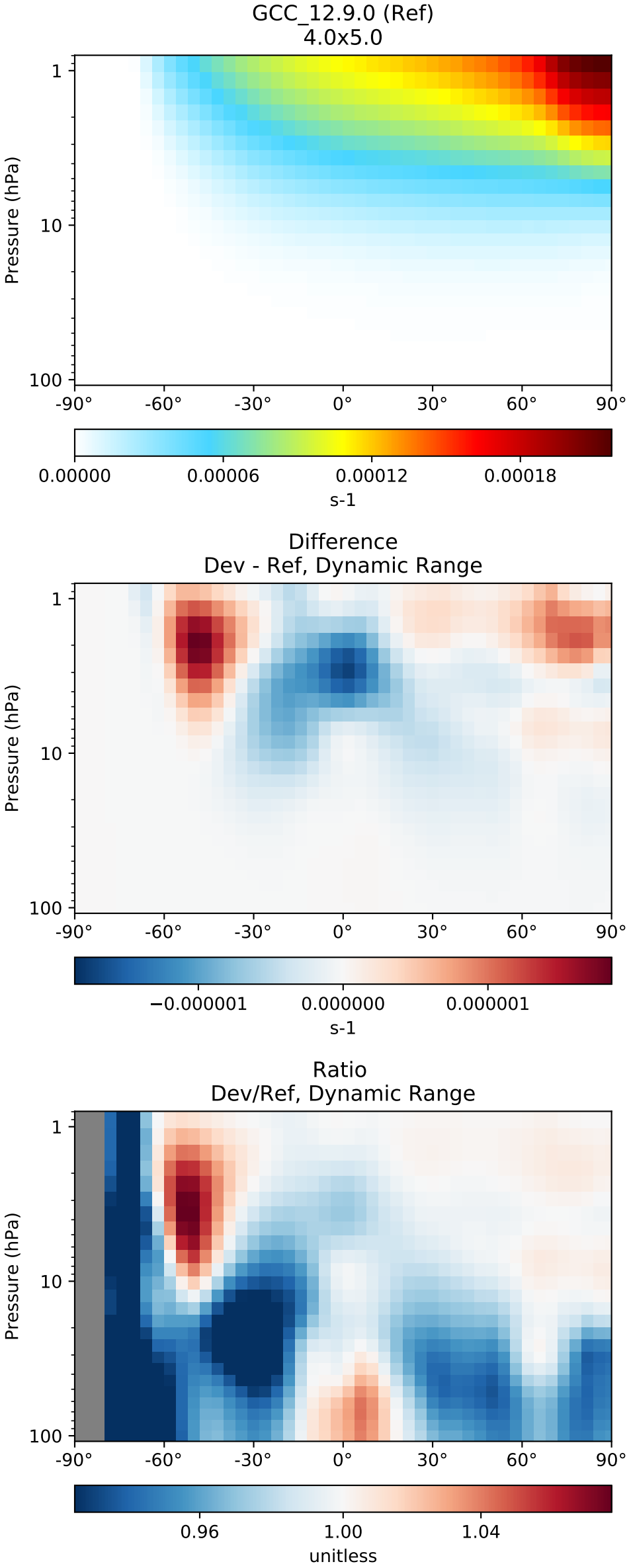


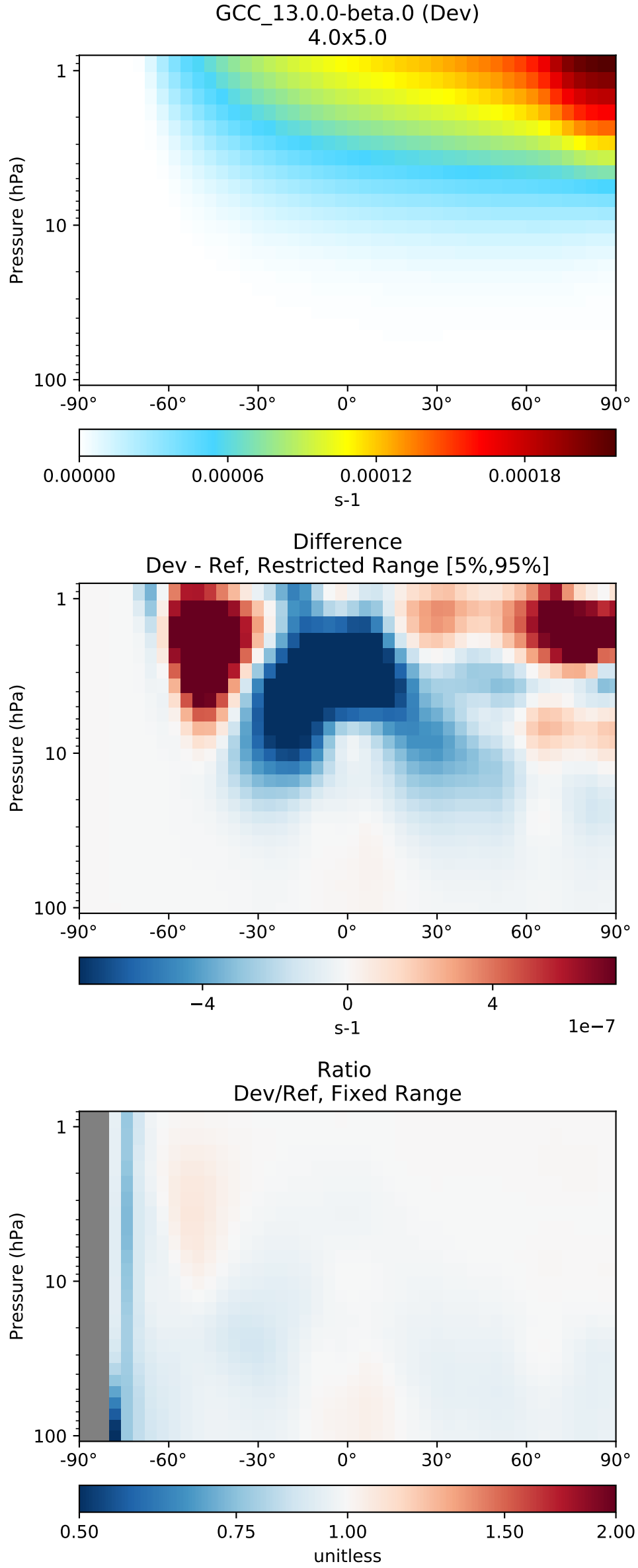
Jval_MEK, Zonal Mean



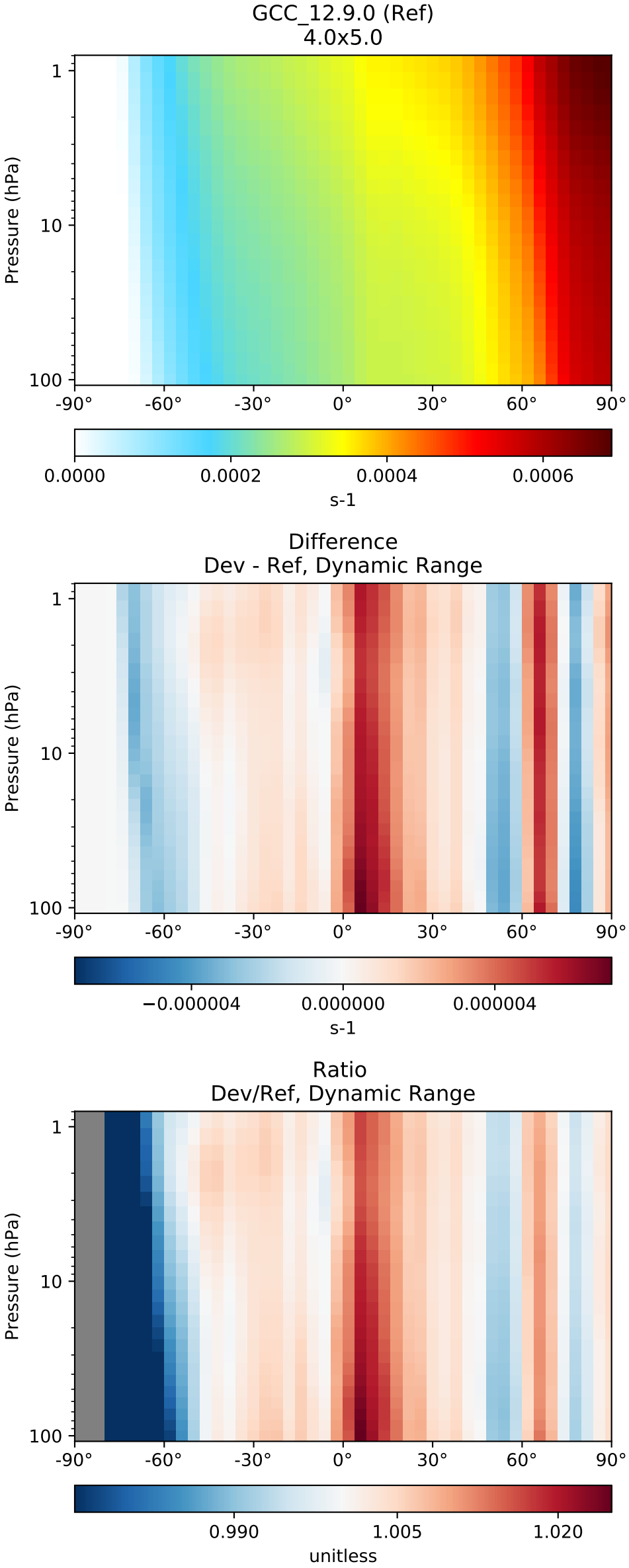


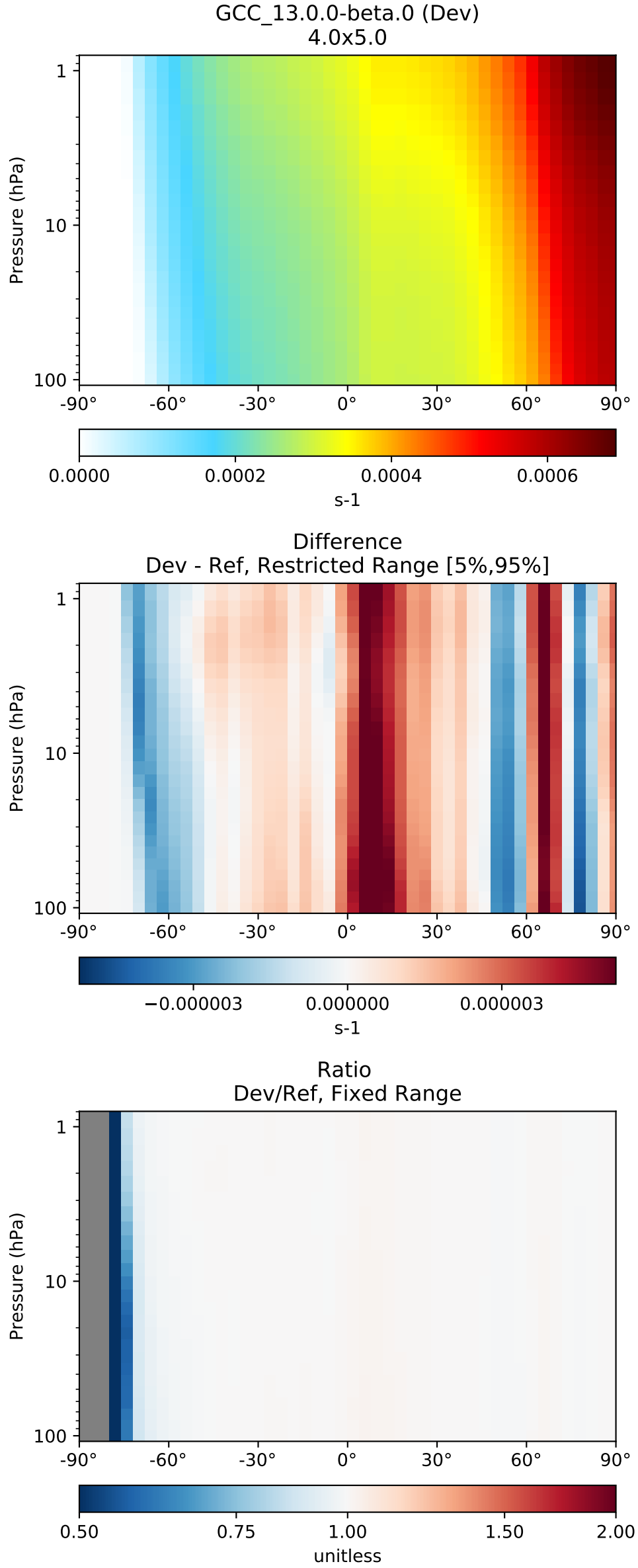
Jval_MENO3, Zonal Mean



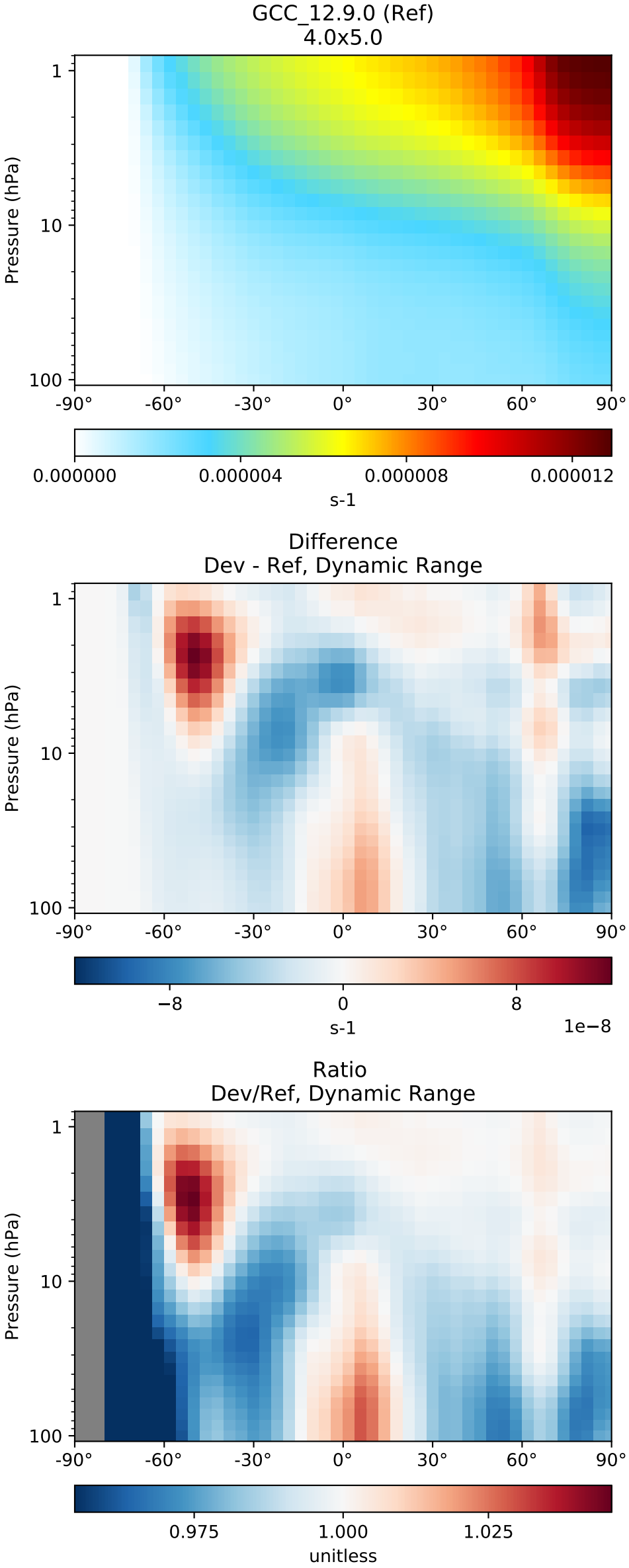


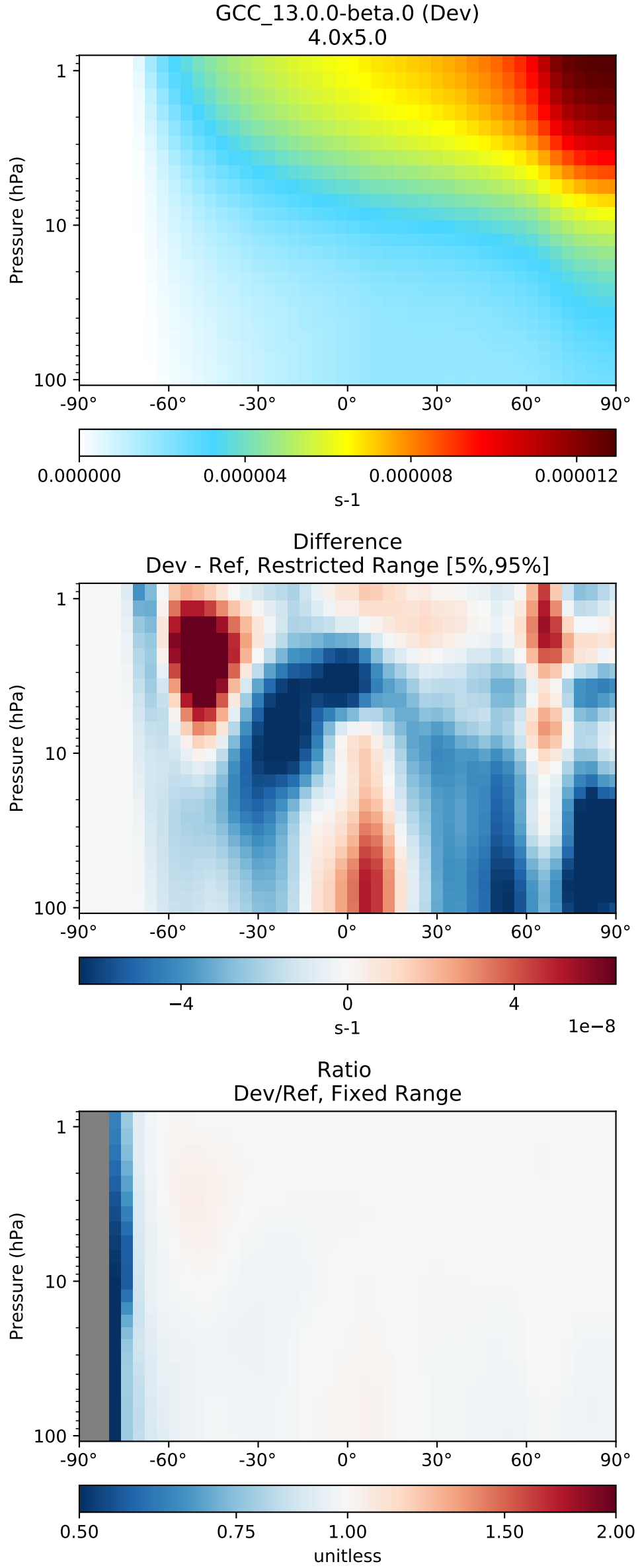
Jval_MGLY, Zonal Mean



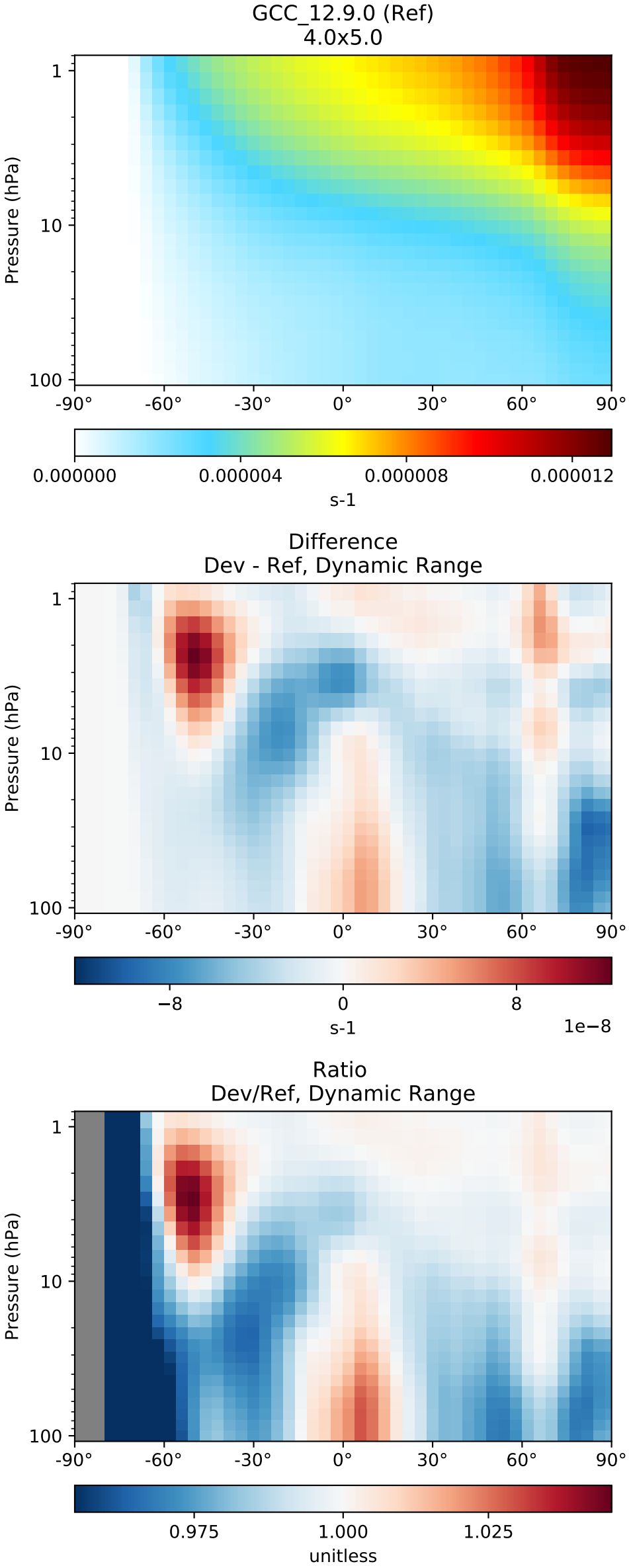


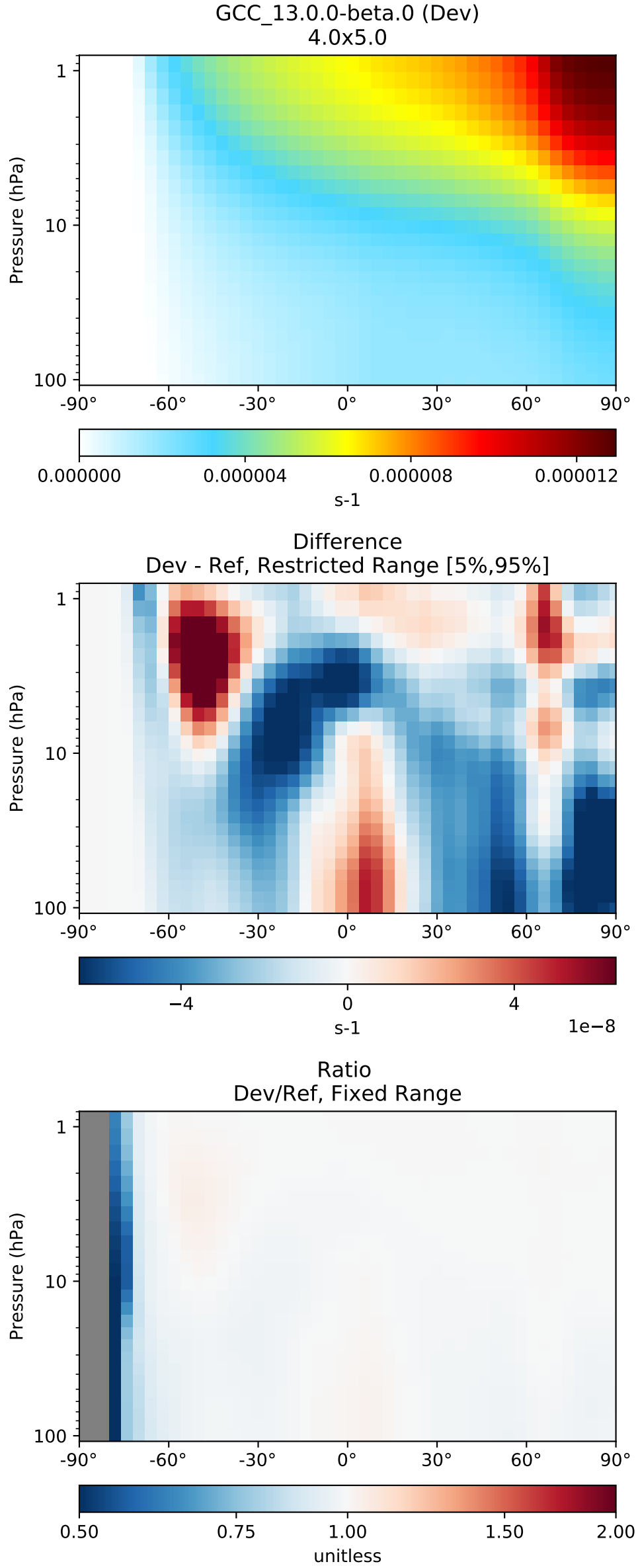
Jval_MONITS, Zonal Mean



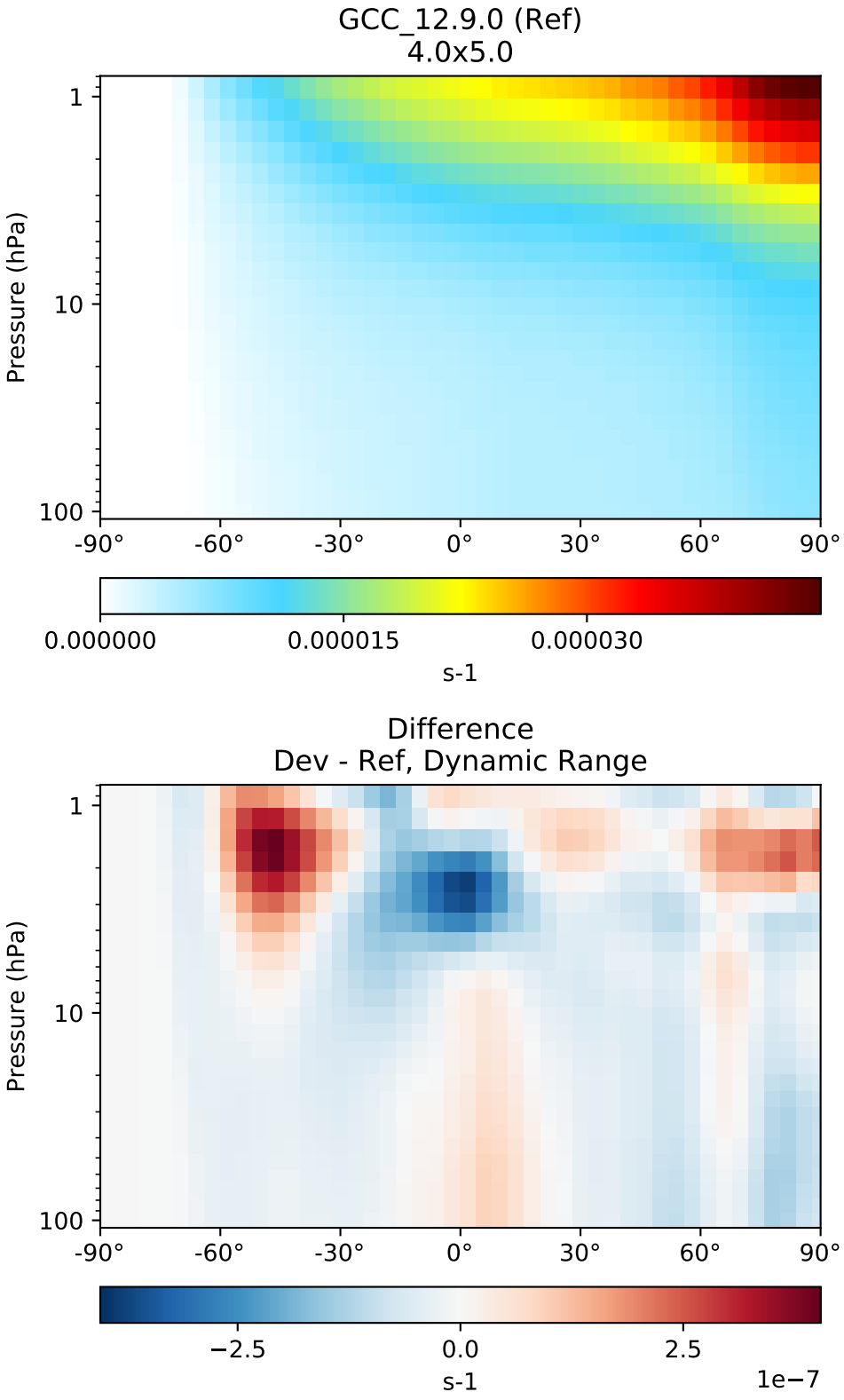


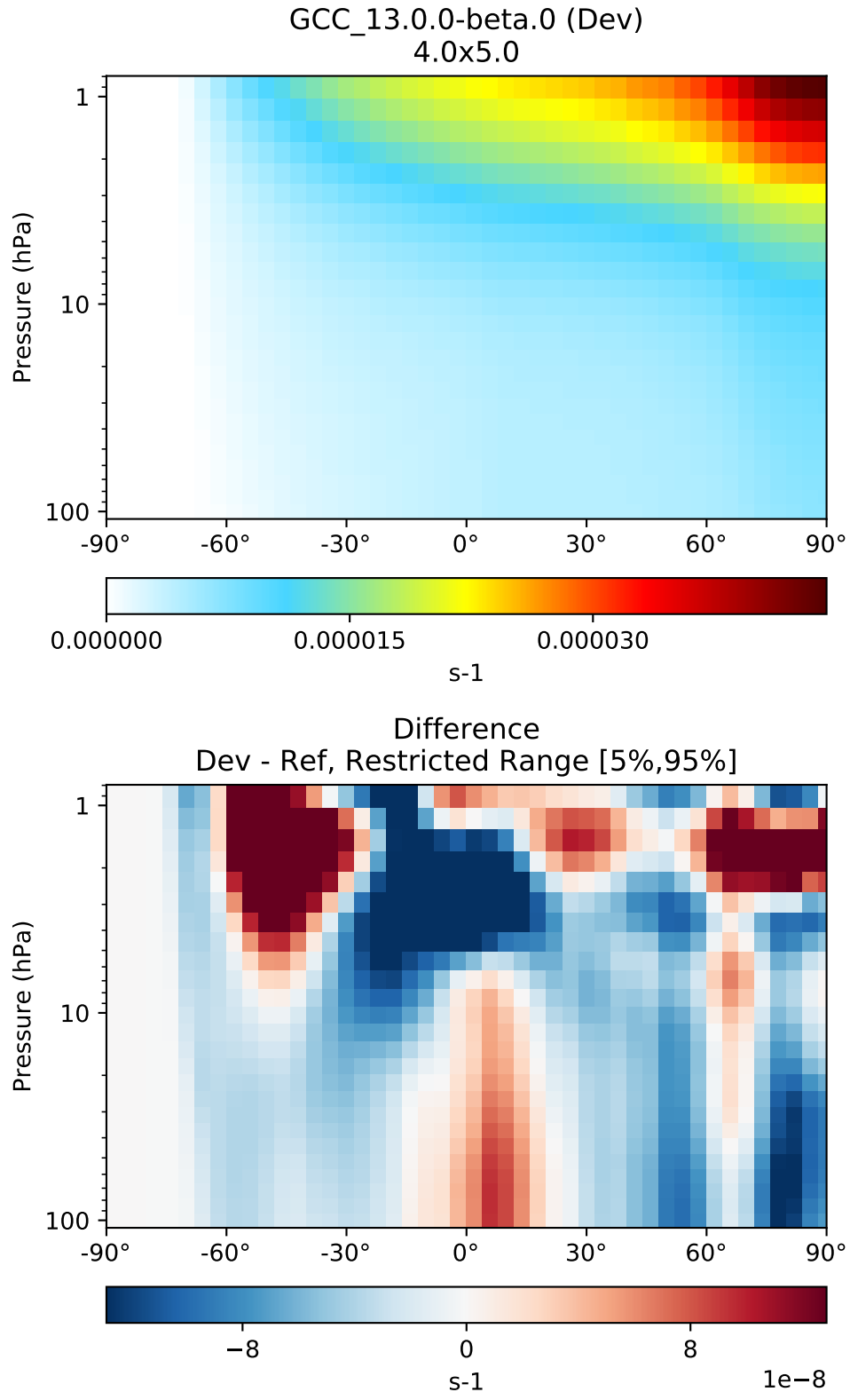
Jval_MONITU, Zonal Mean

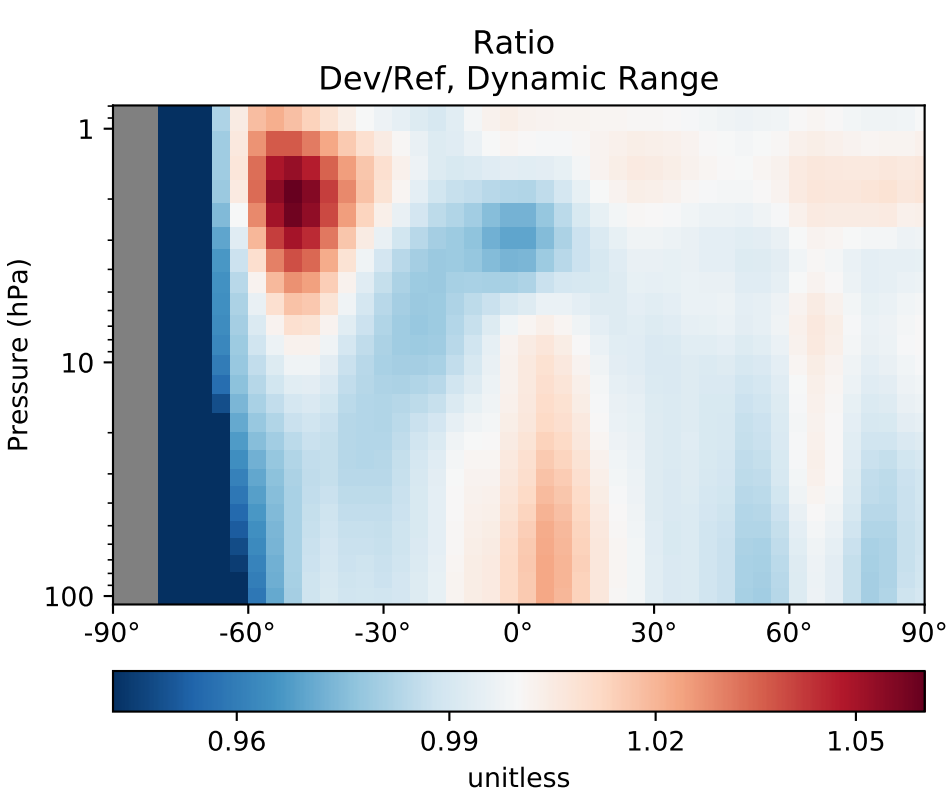


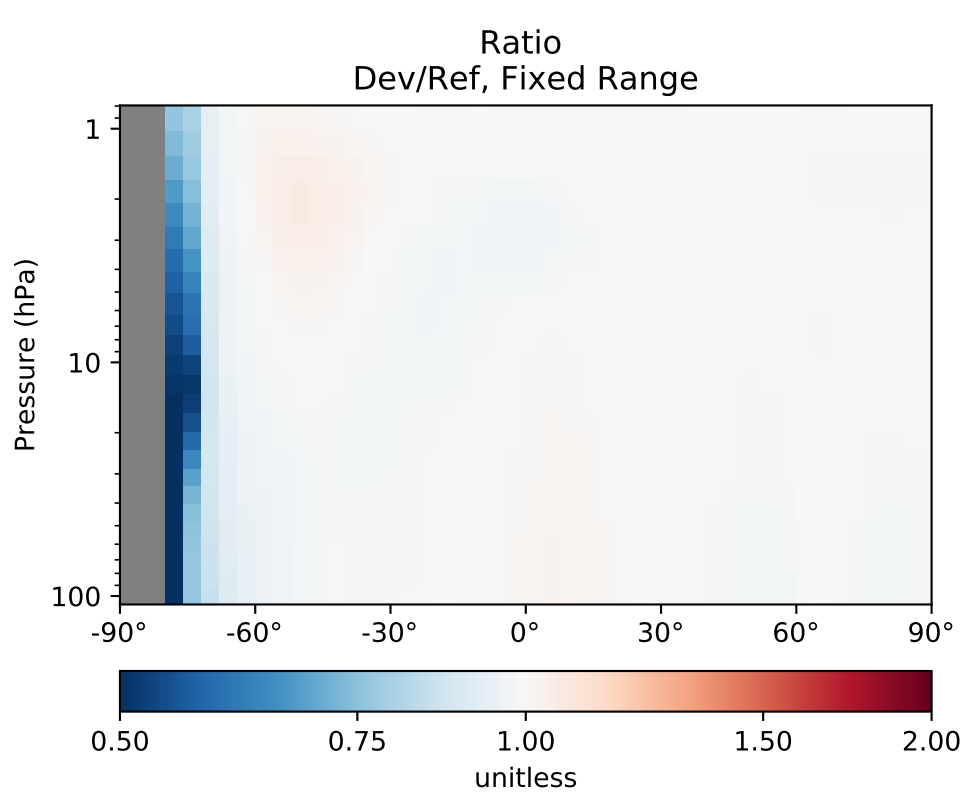


Jval_MP, Zonal Mean



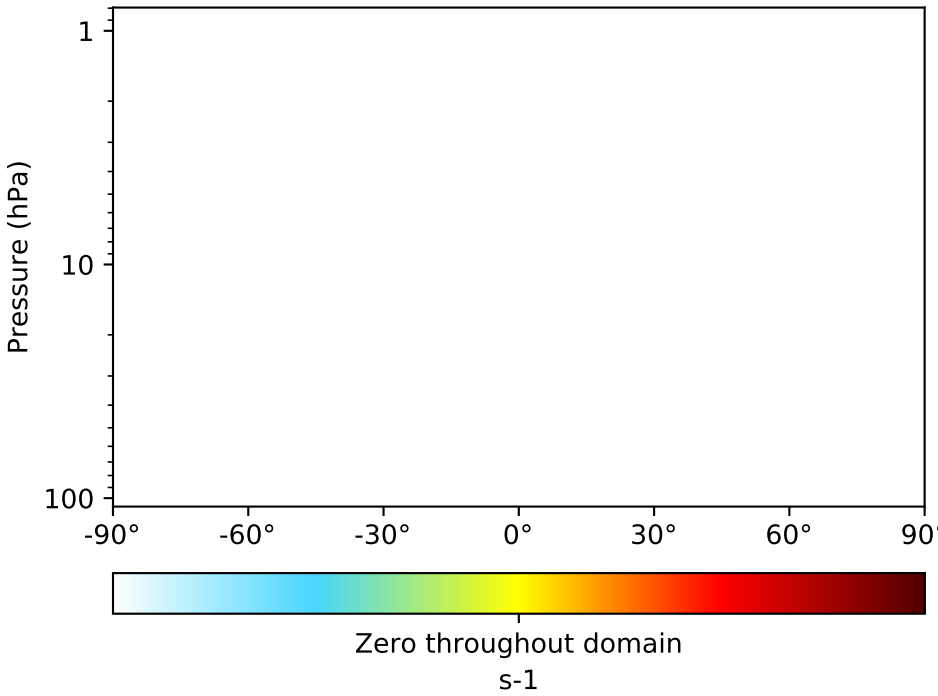




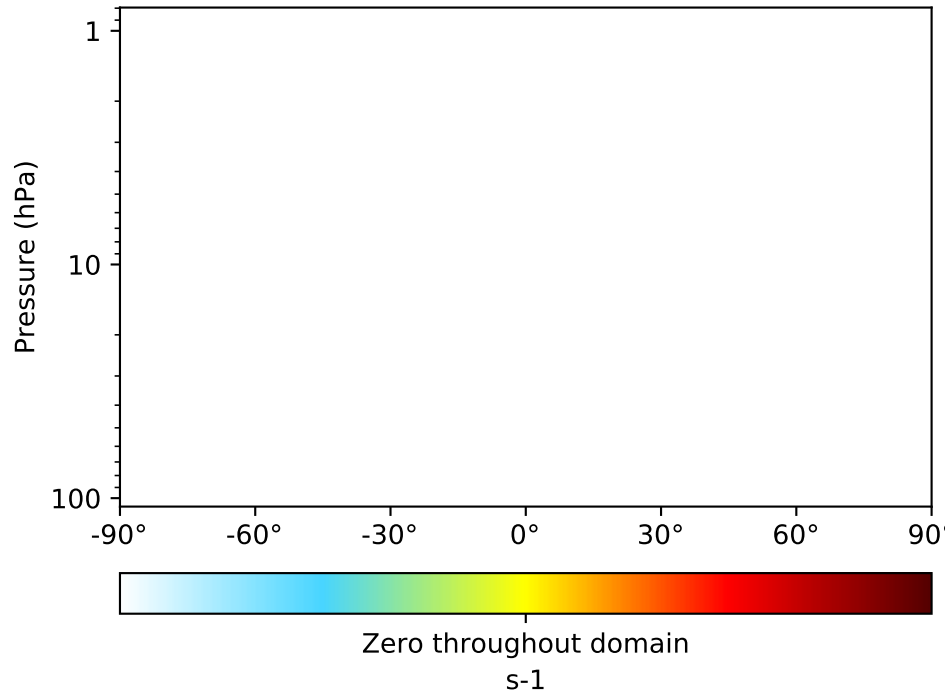


Jval_MPAN, Zonal Mean

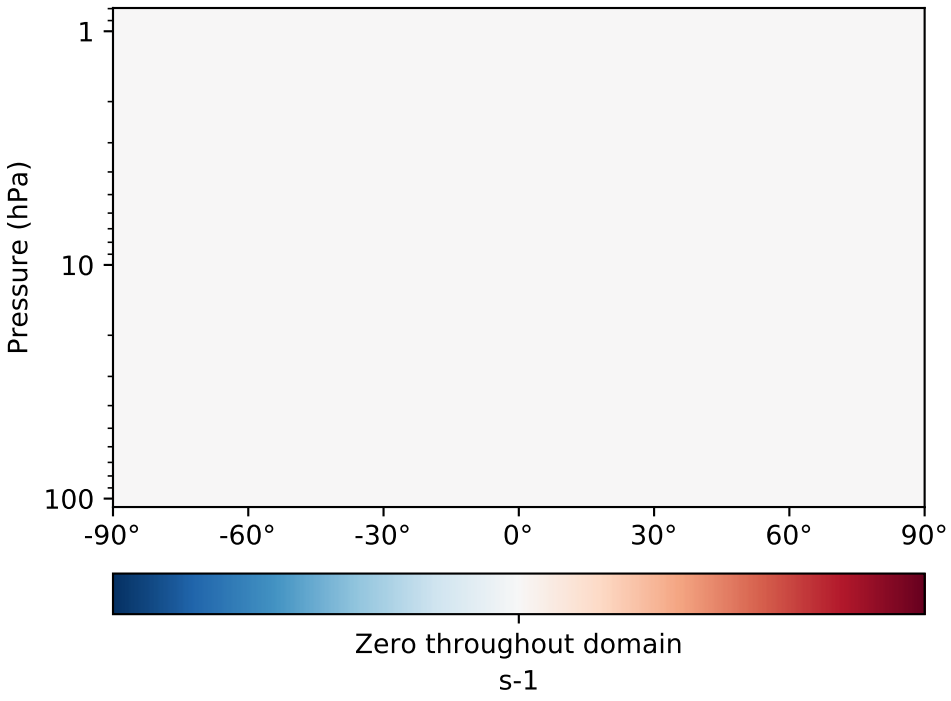
GCC_12.9.0 (Ref)
4.0x5.0



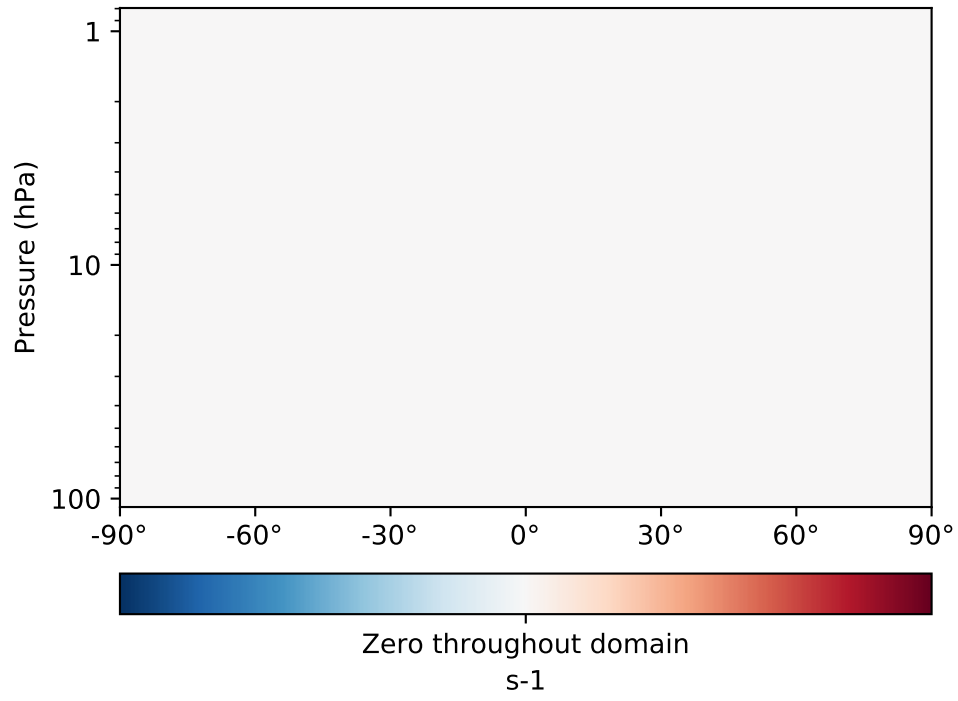
GCC_13.0.0-beta.0 (Dev)
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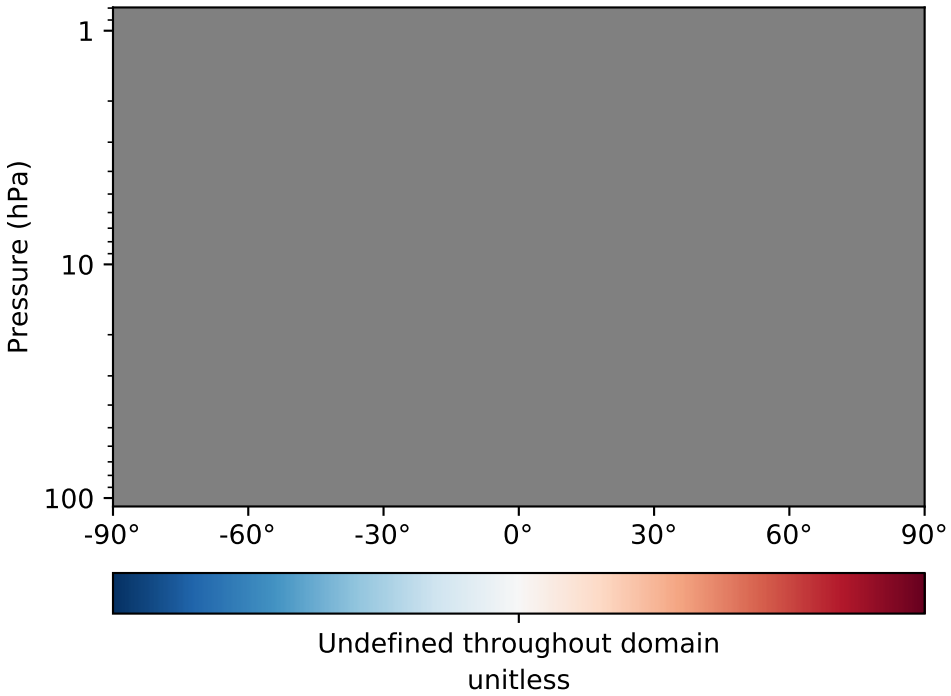
Difference
Dev - Ref, Dynamic Range



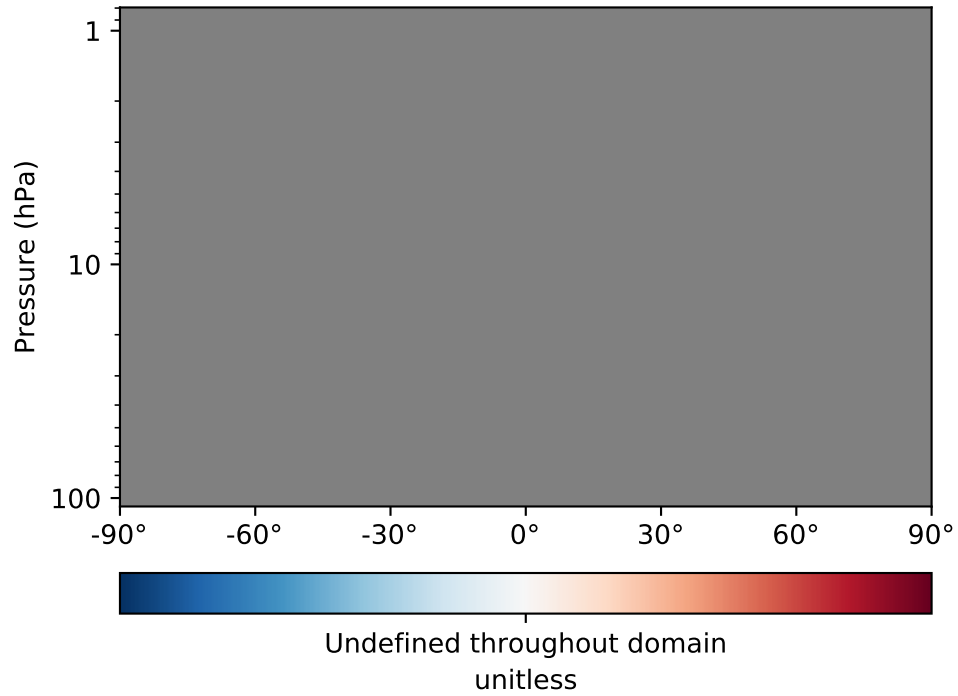
Difference
Dev - Ref, Restricted Range [5%,95%]



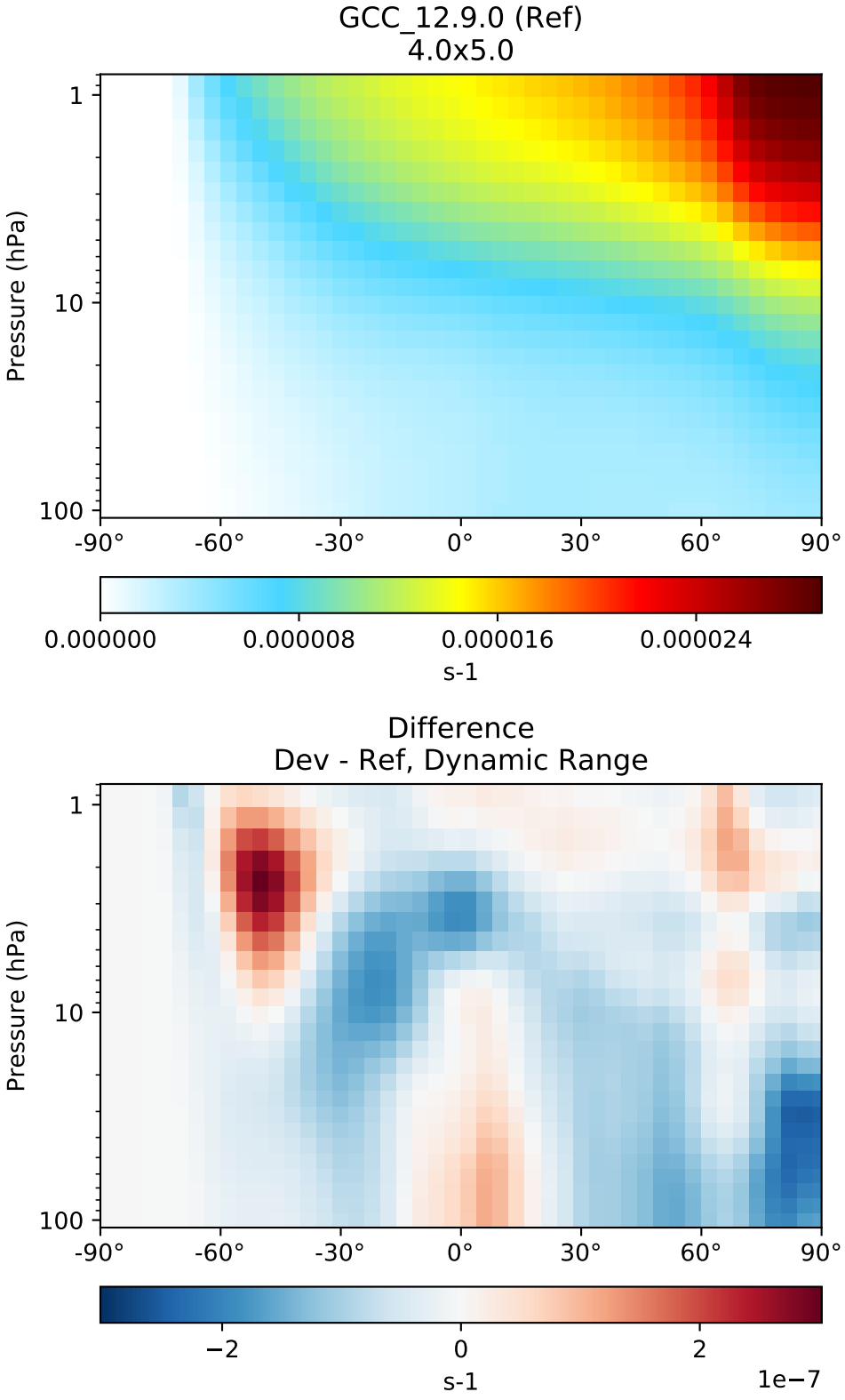
Ratio
Dev/Ref, Dynamic Range

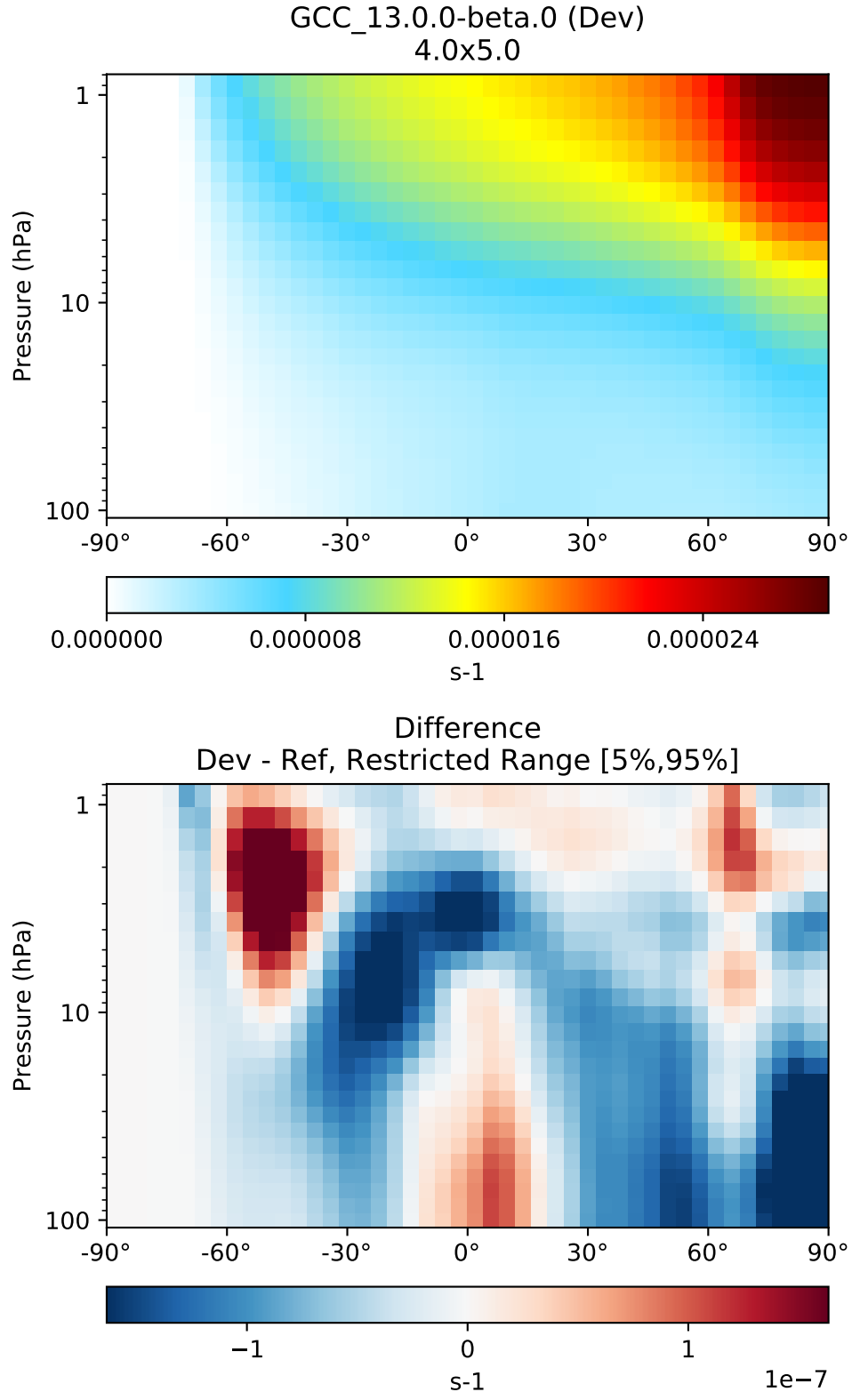


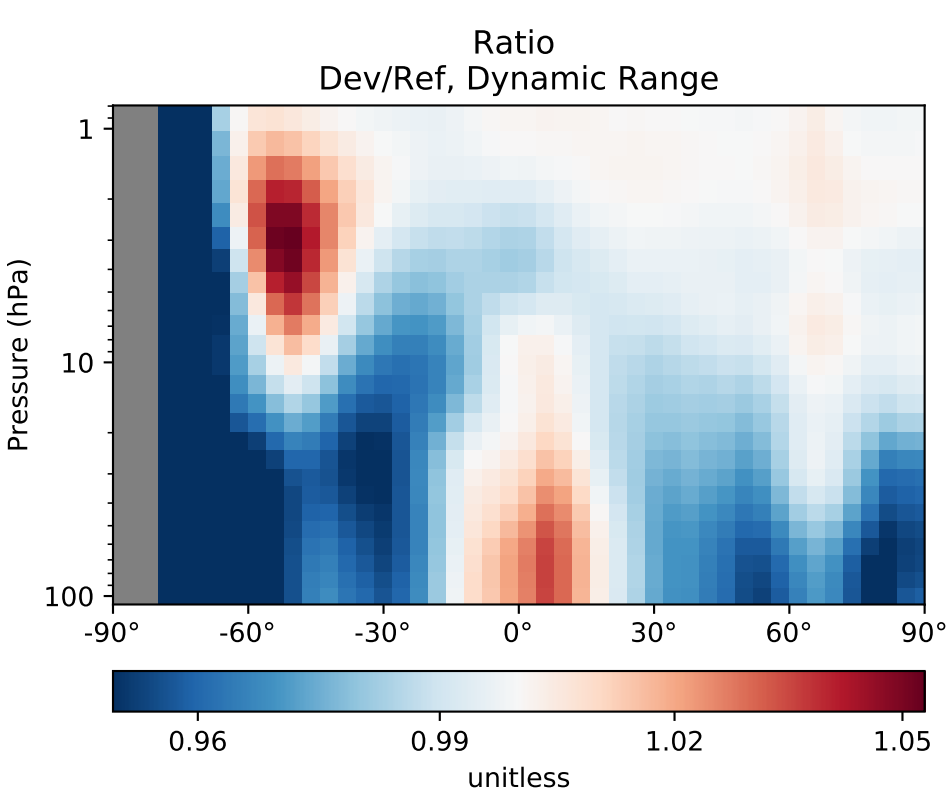
Ratio
Dev/Ref, Fixed Range

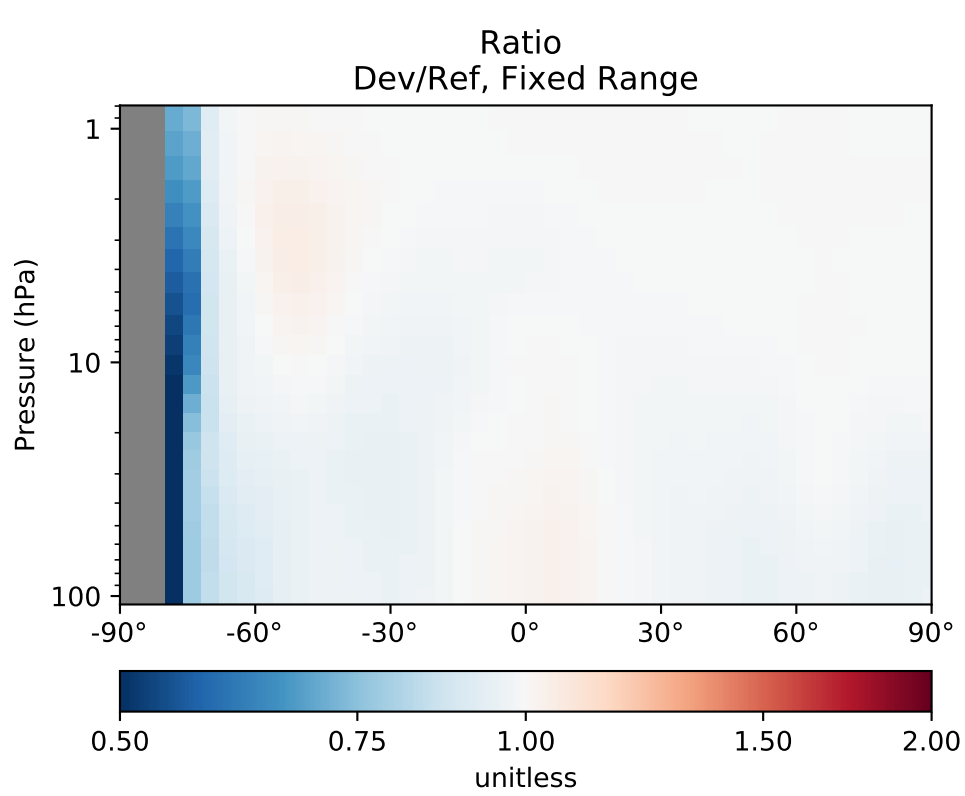


Jval_MPN, Zonal Mean

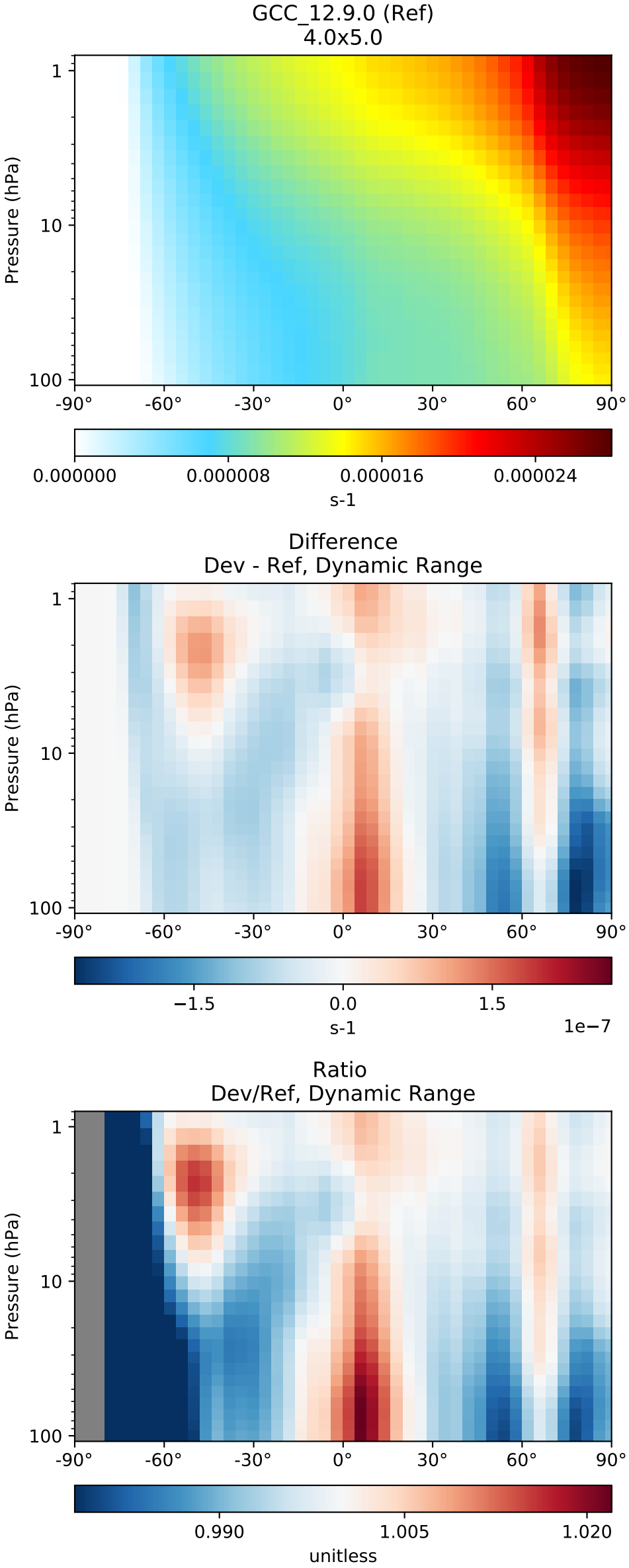


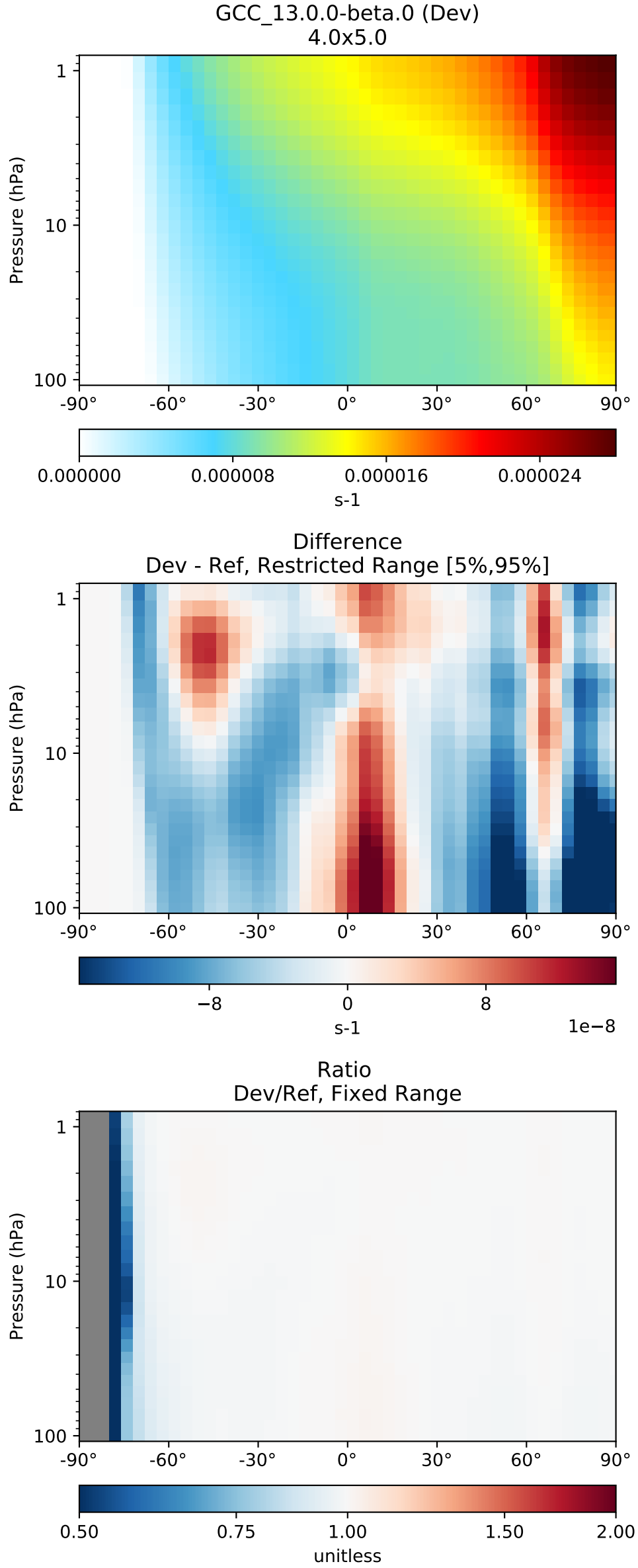




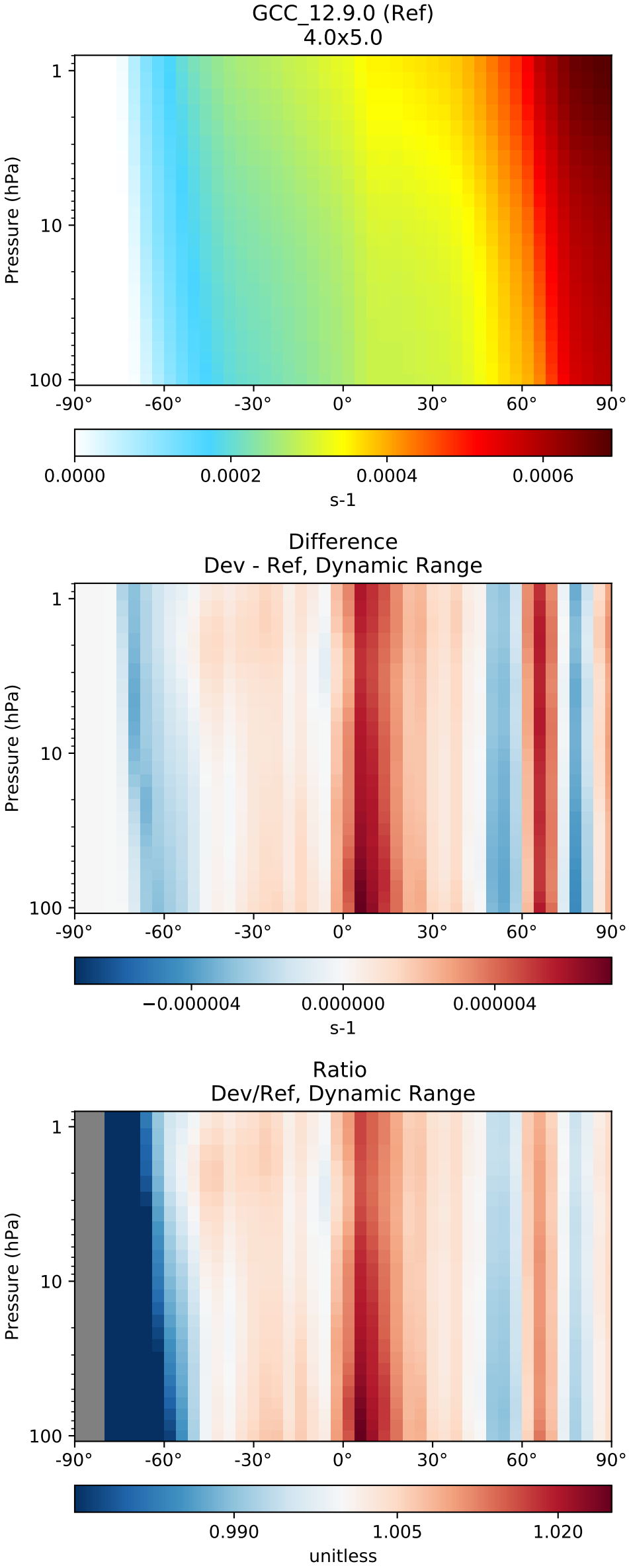


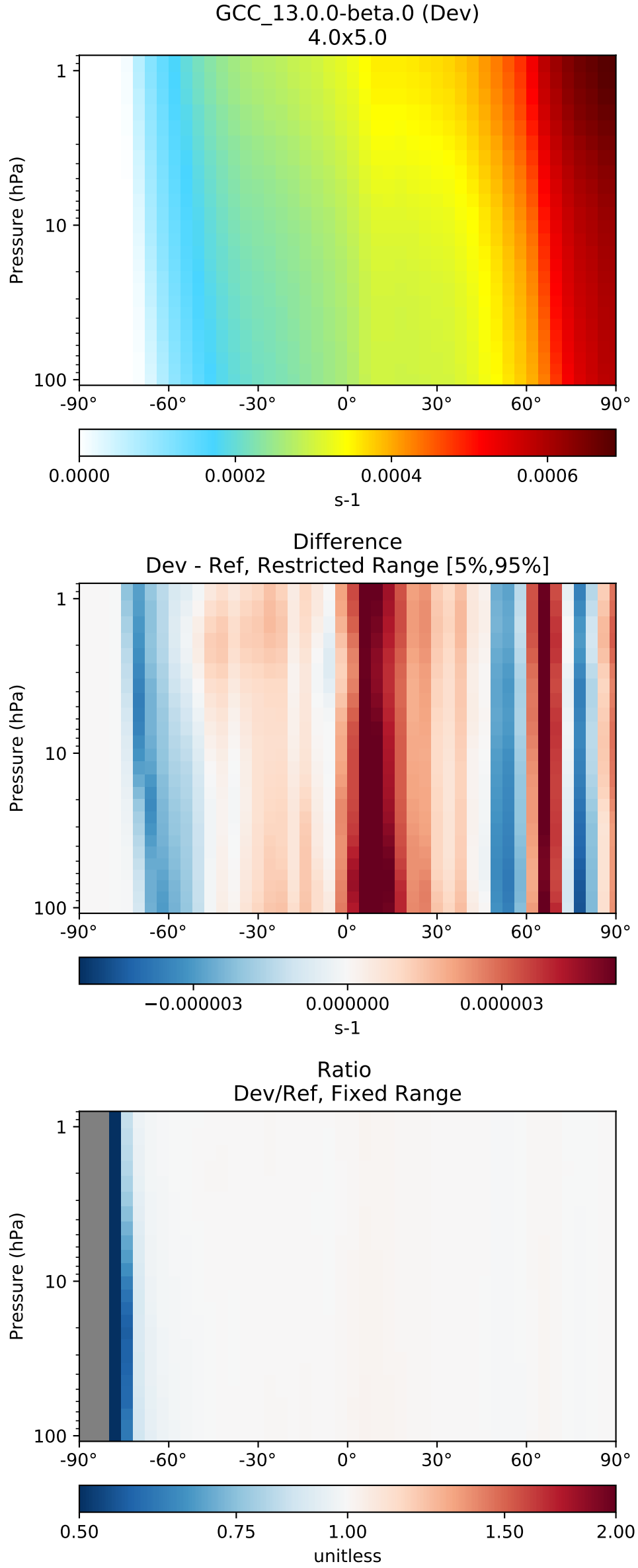
Jval_MVK, Zonal Mean



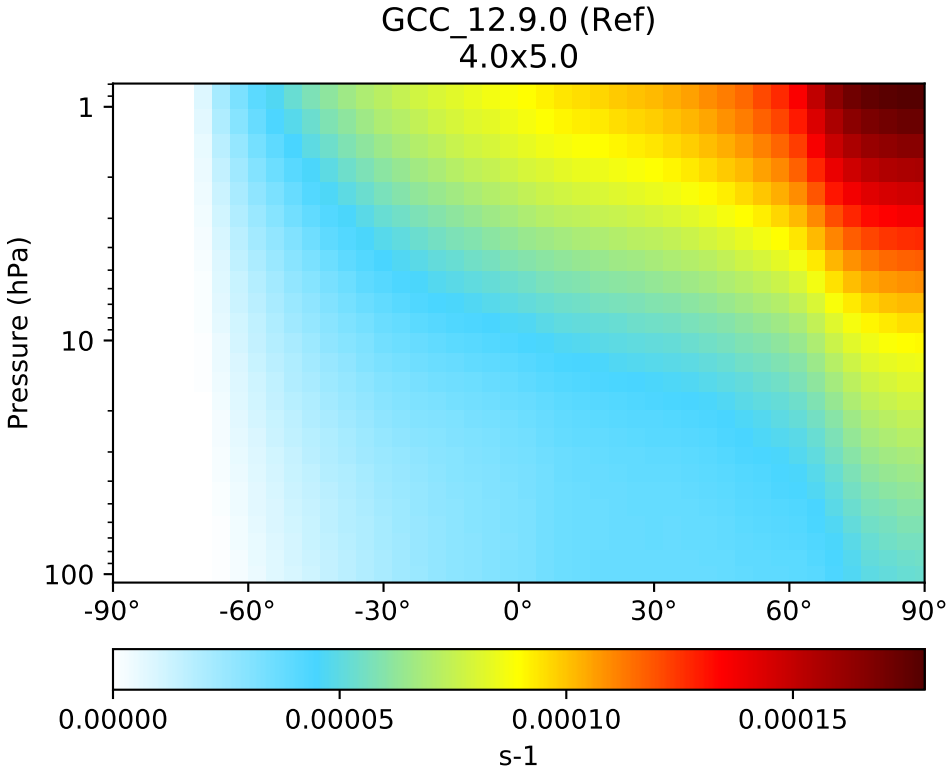


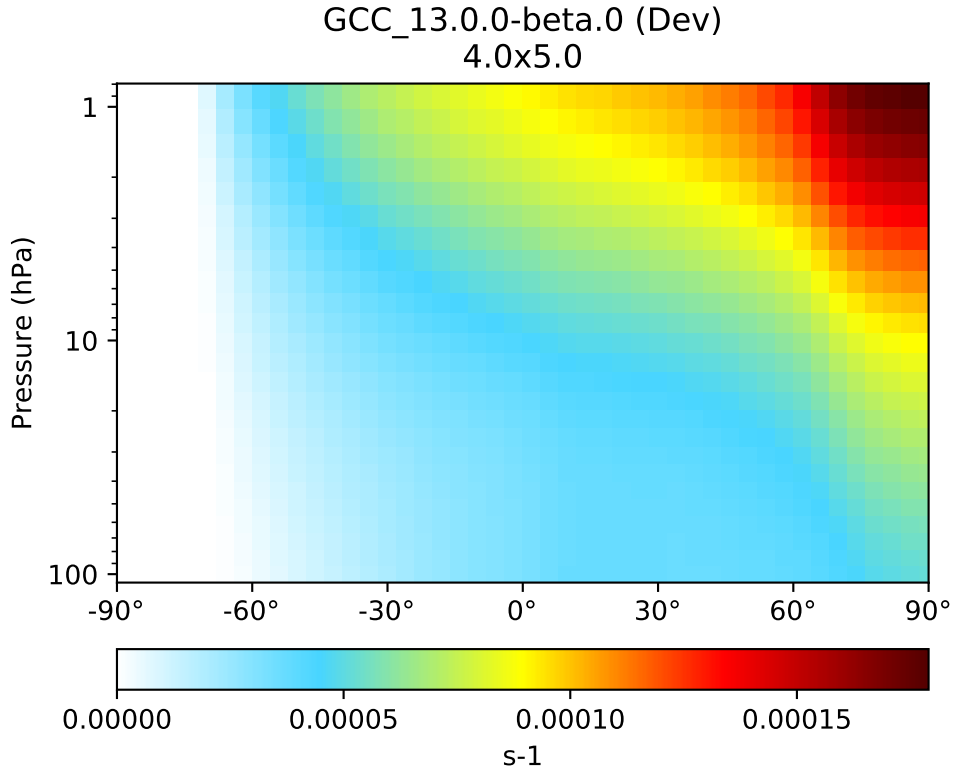
Jval_MVKHC, Zonal Mean

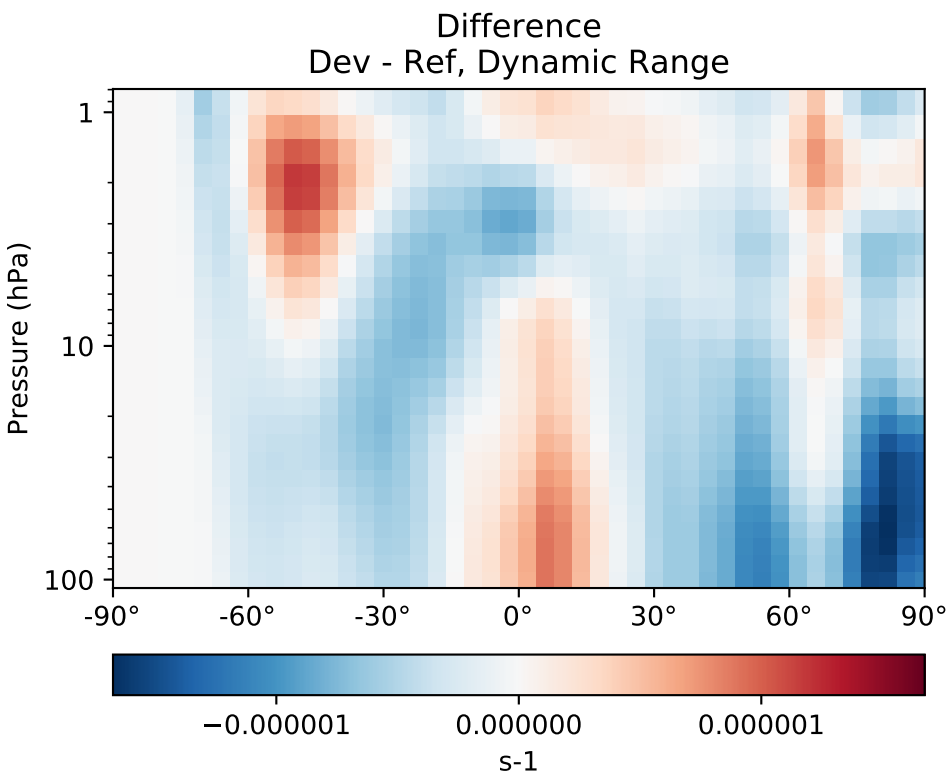


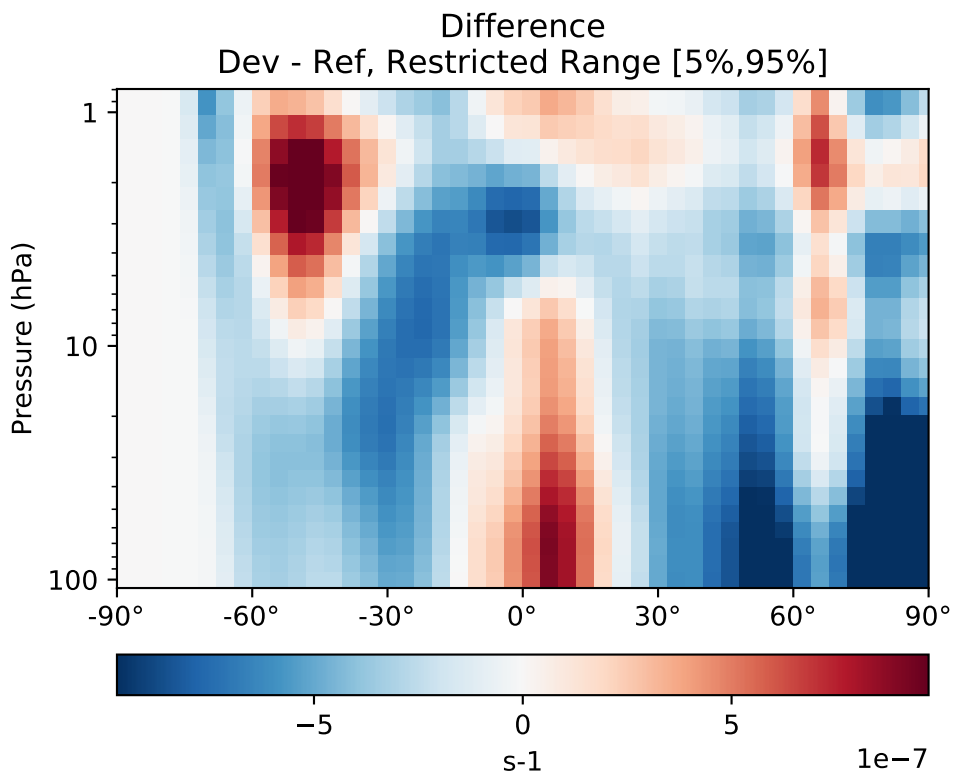


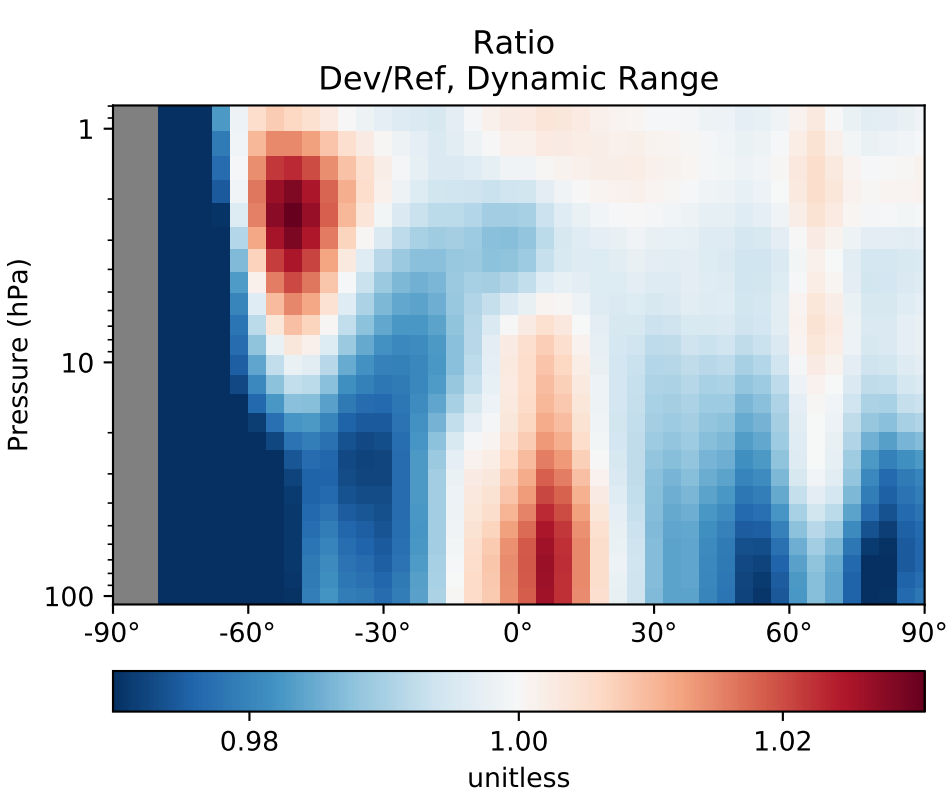
Jval_MVKHCB, Zonal Mean

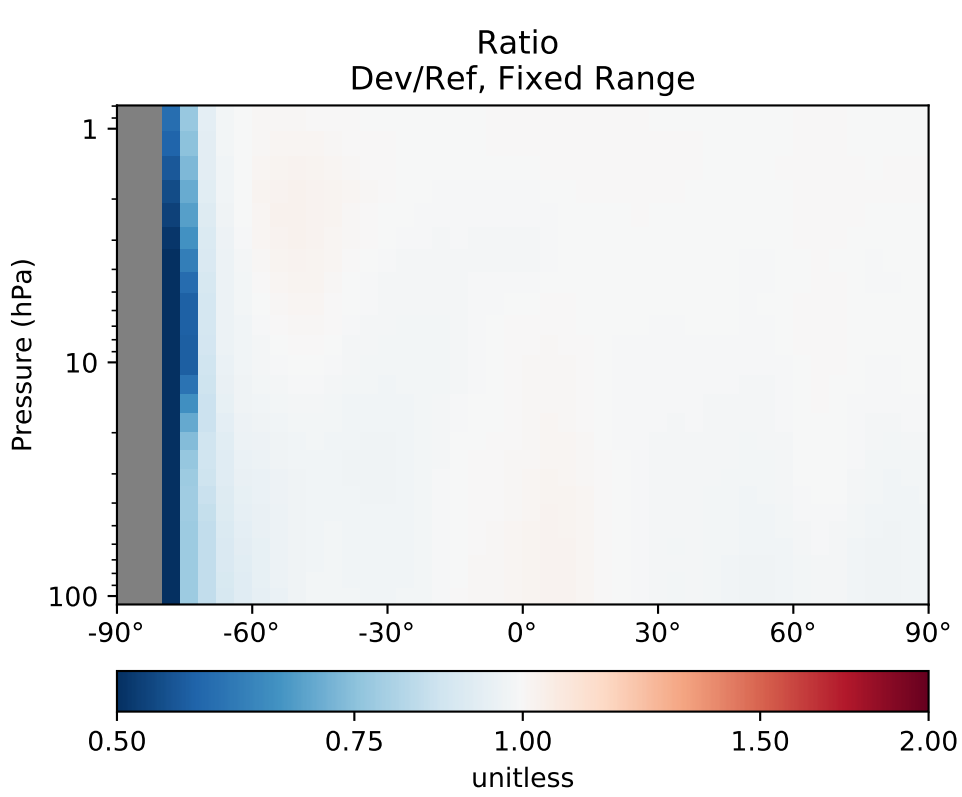




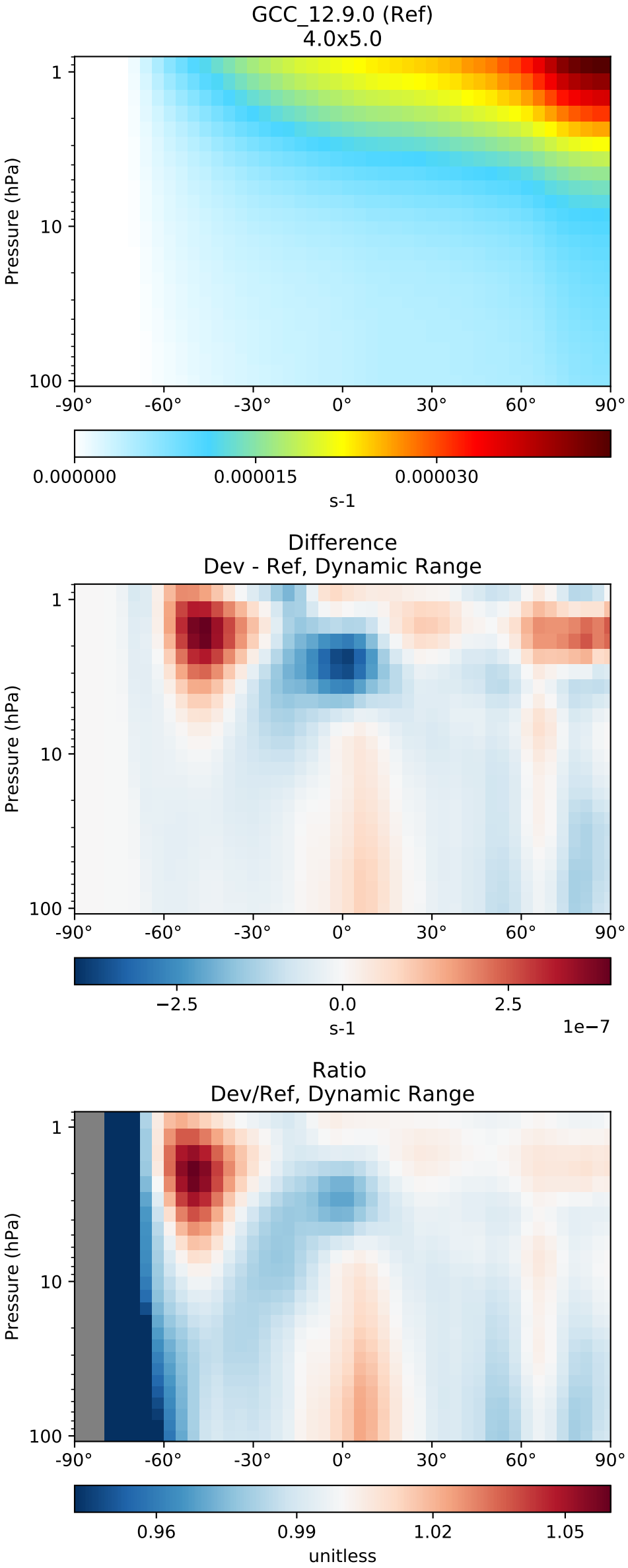


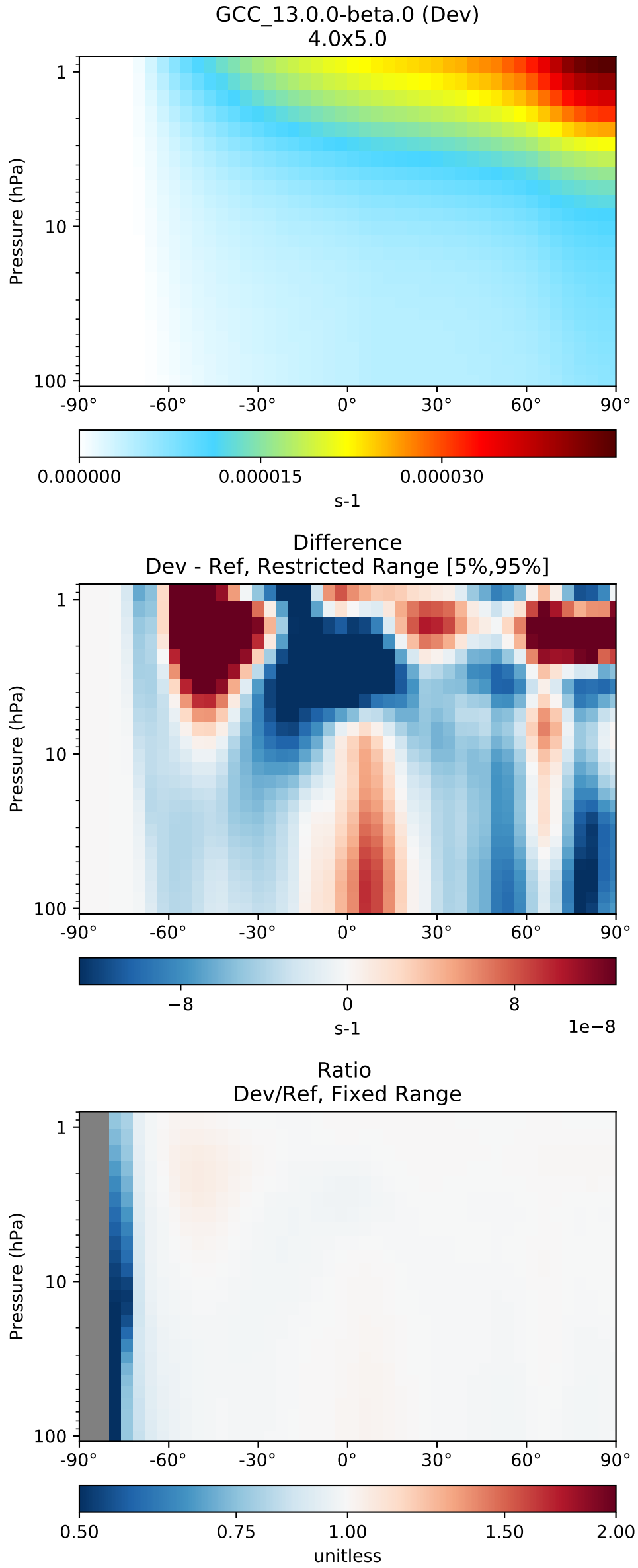




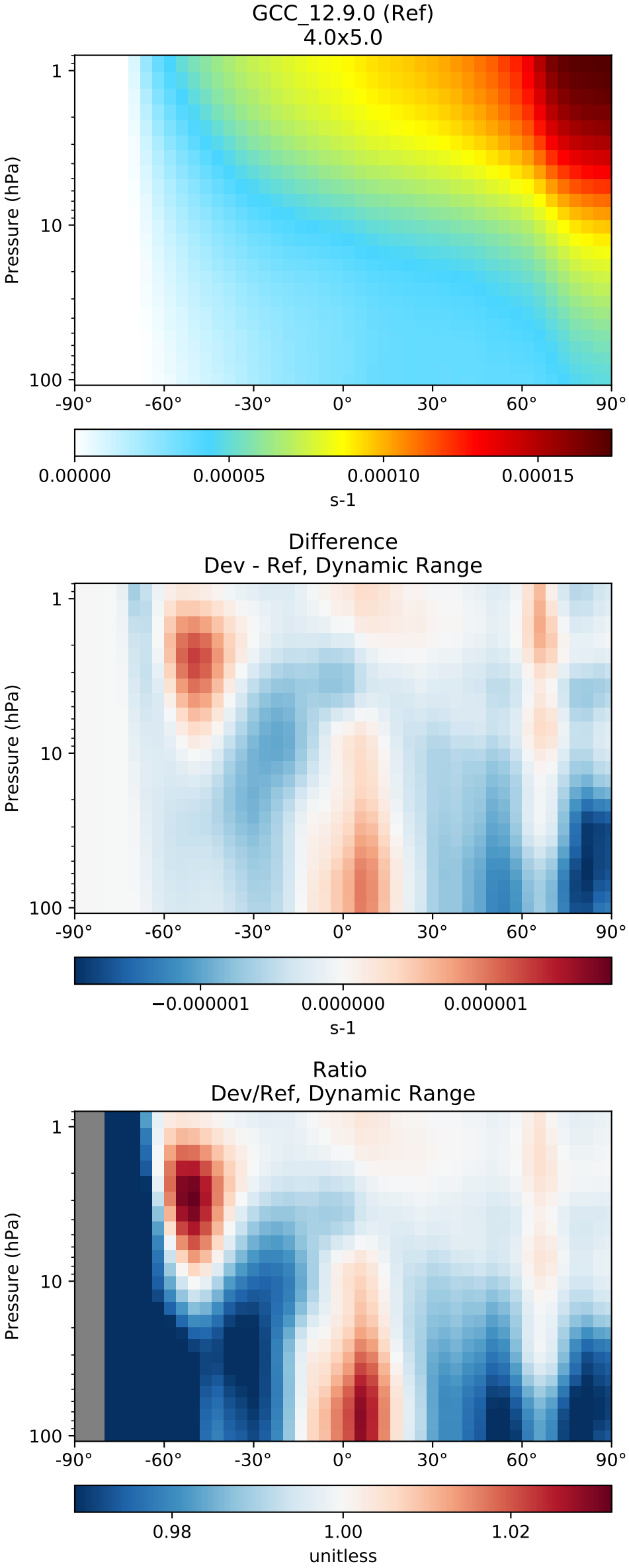


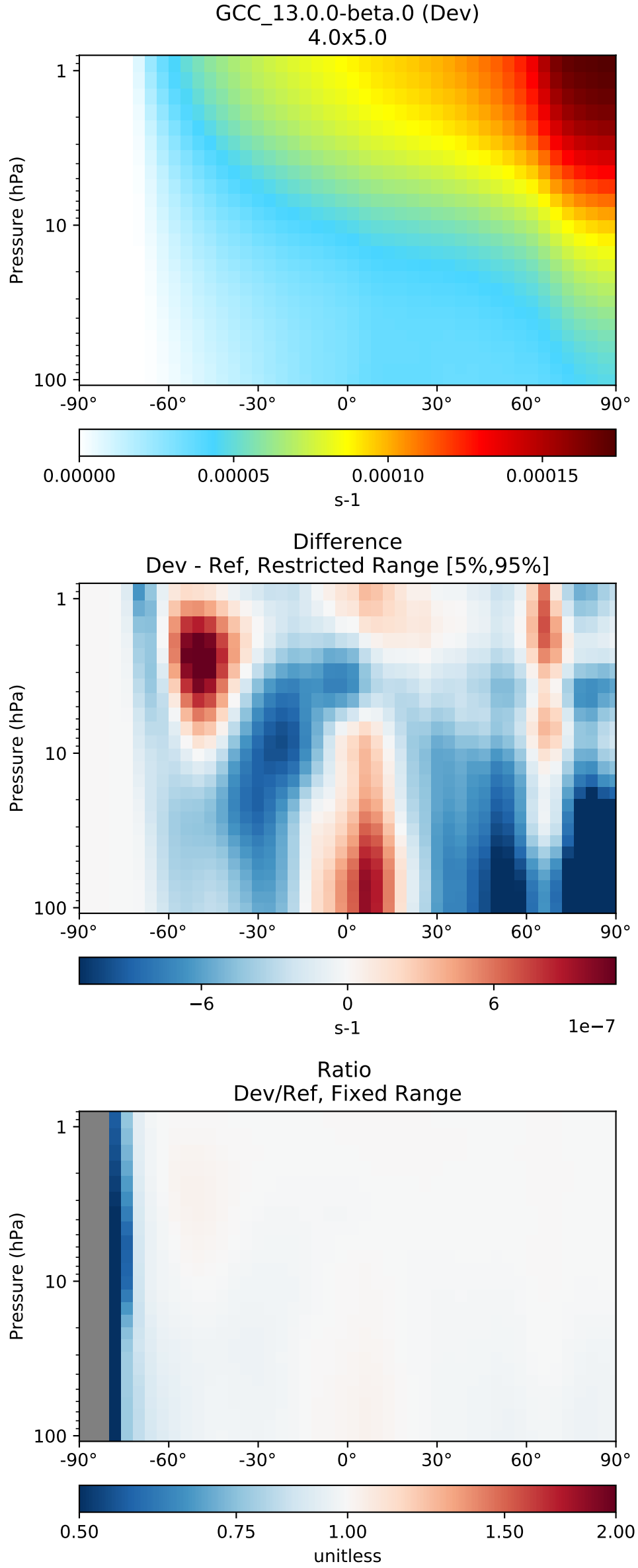
Jval_MVKHP, Zonal Mean



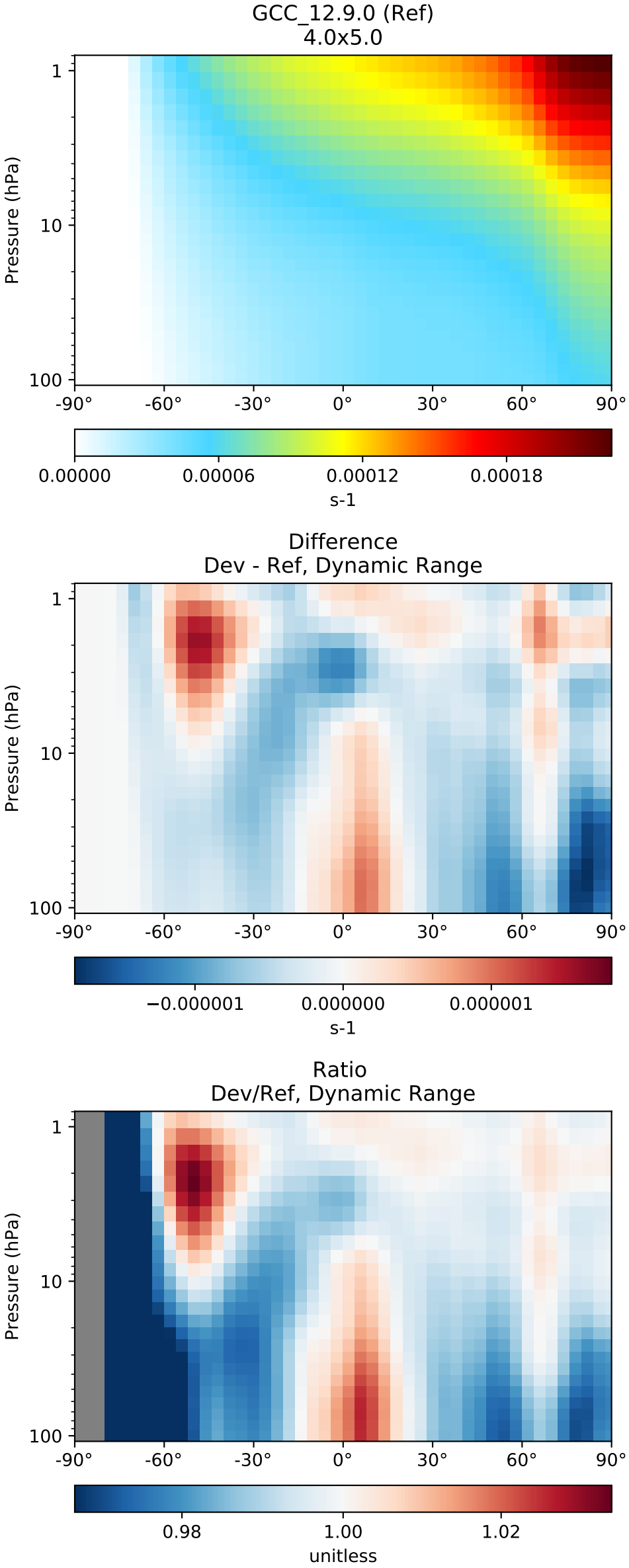


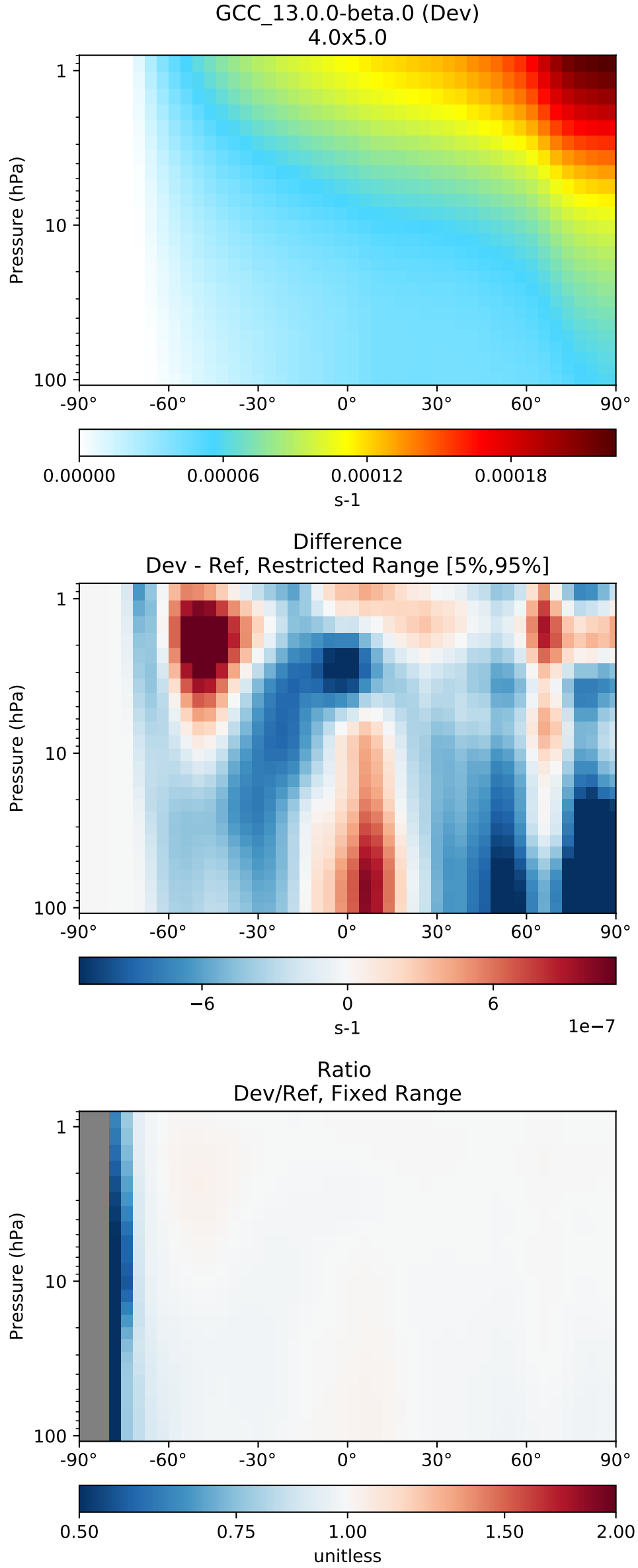
Jval_MVKN, Zonal Mean



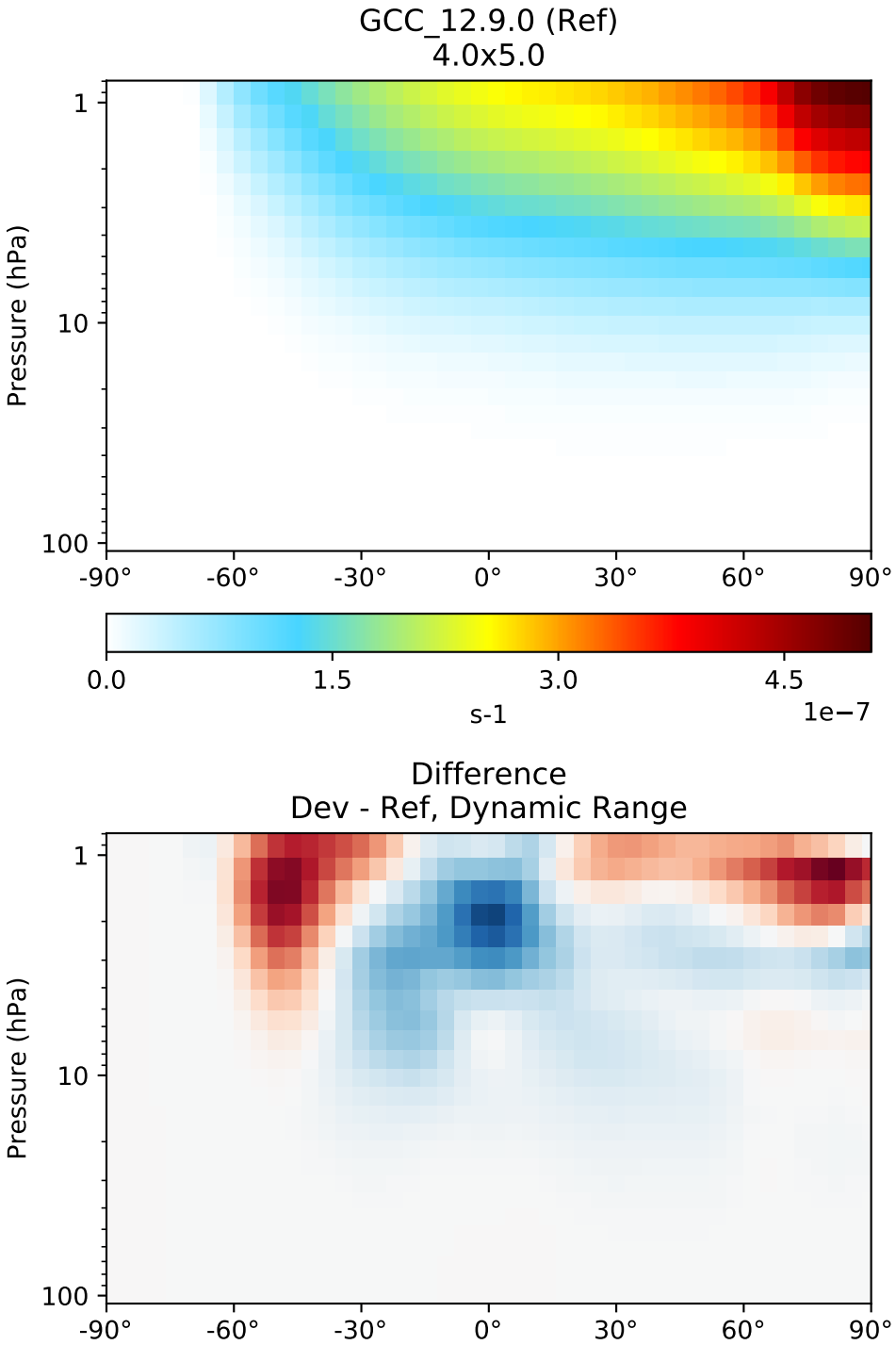


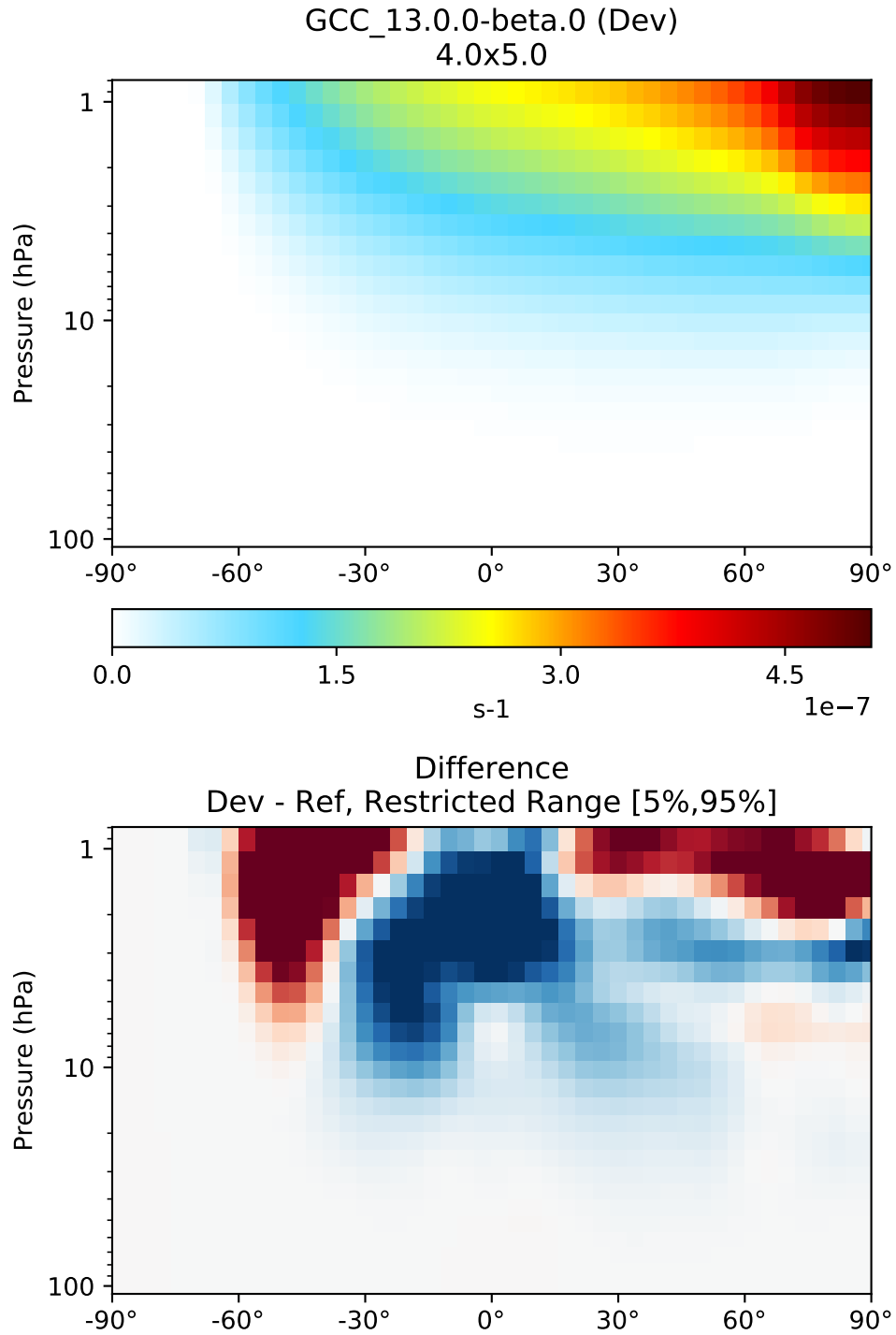
Jval_MVKPC, Zonal Mean

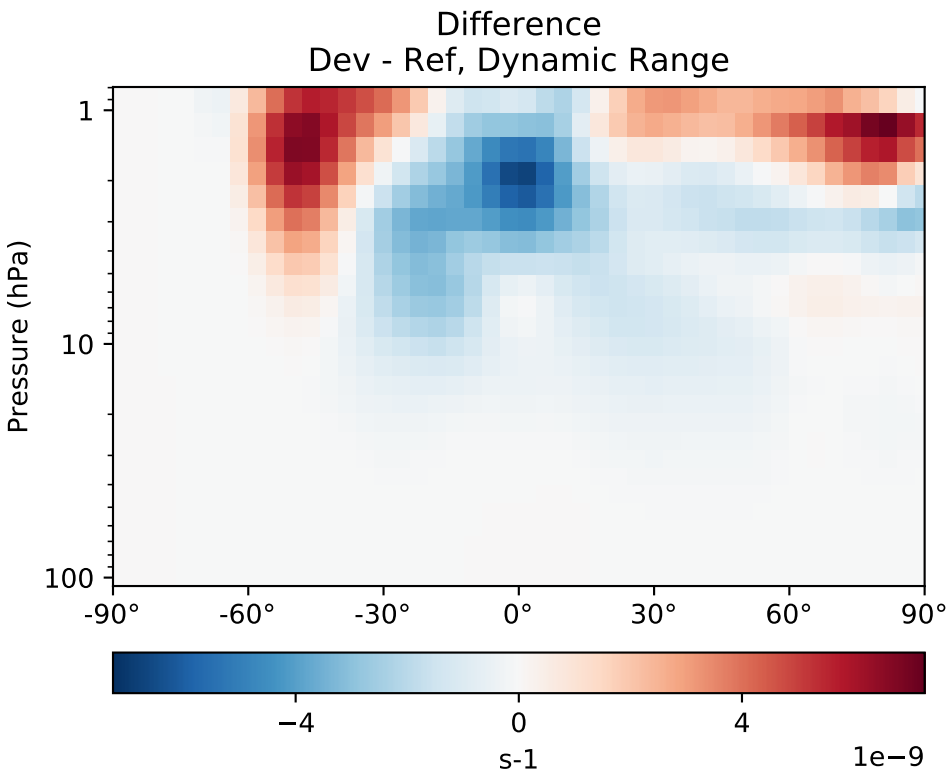


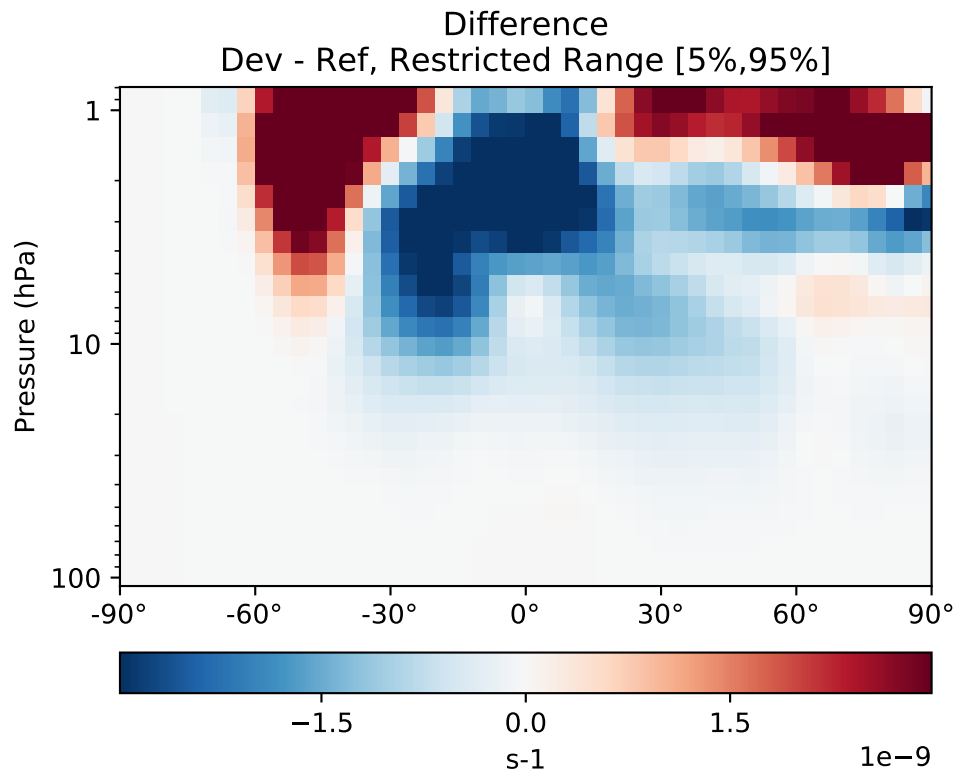


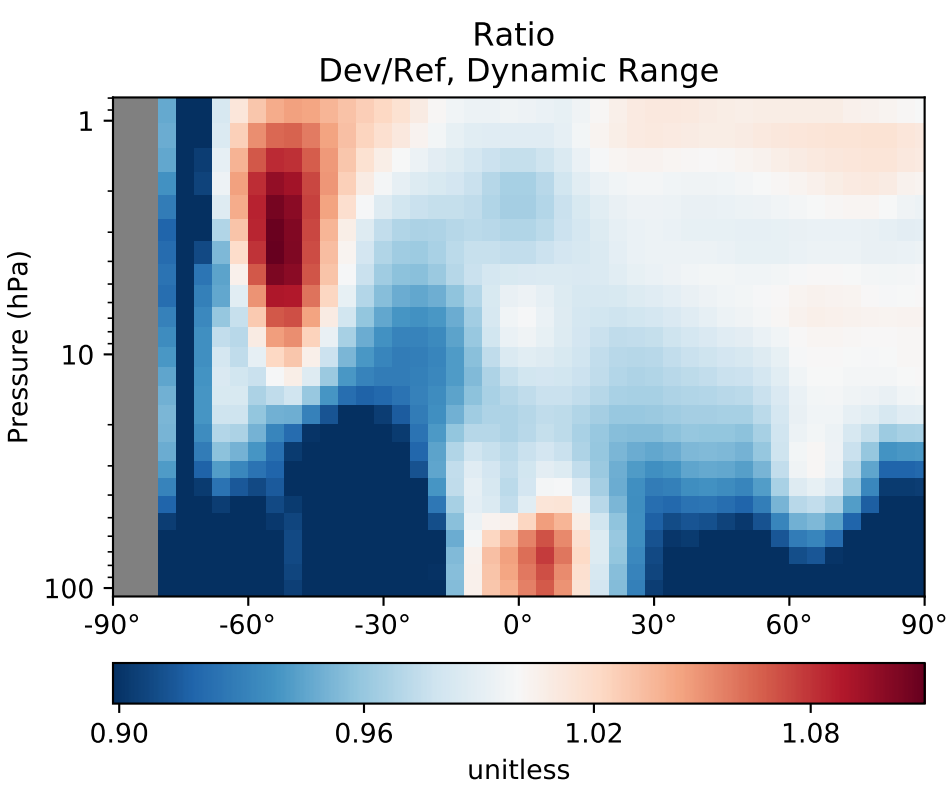
Jval_N2O, Zonal Mean

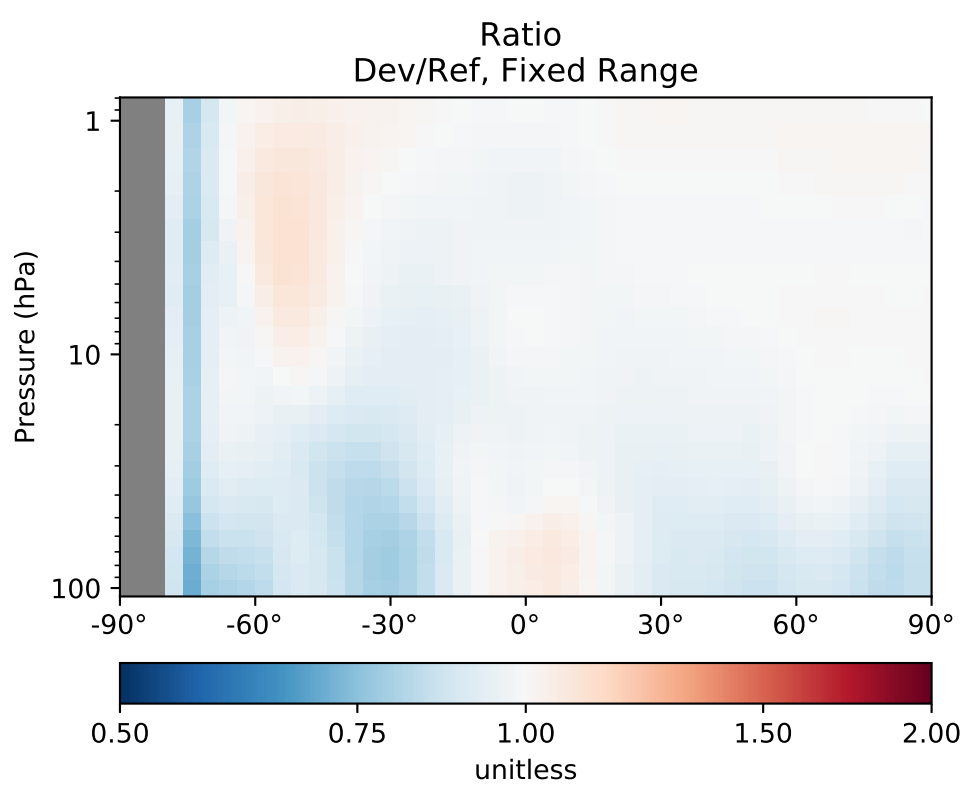




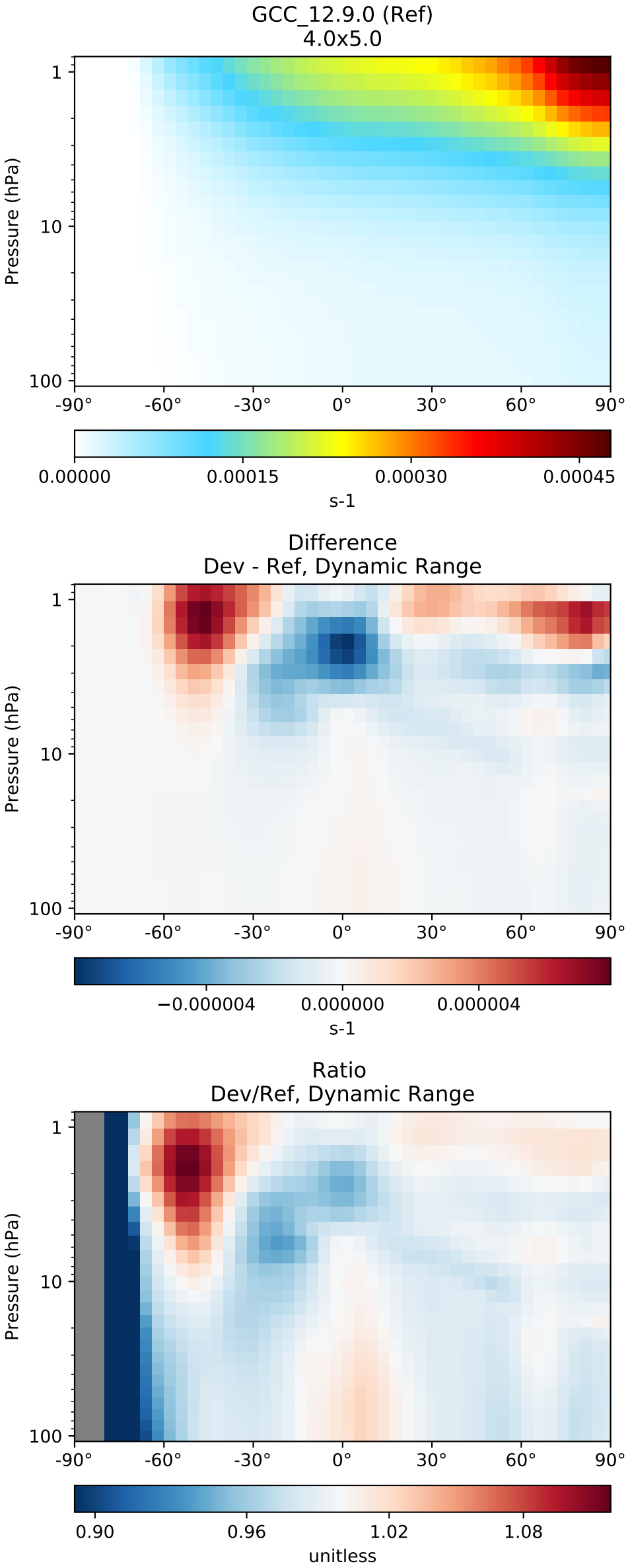


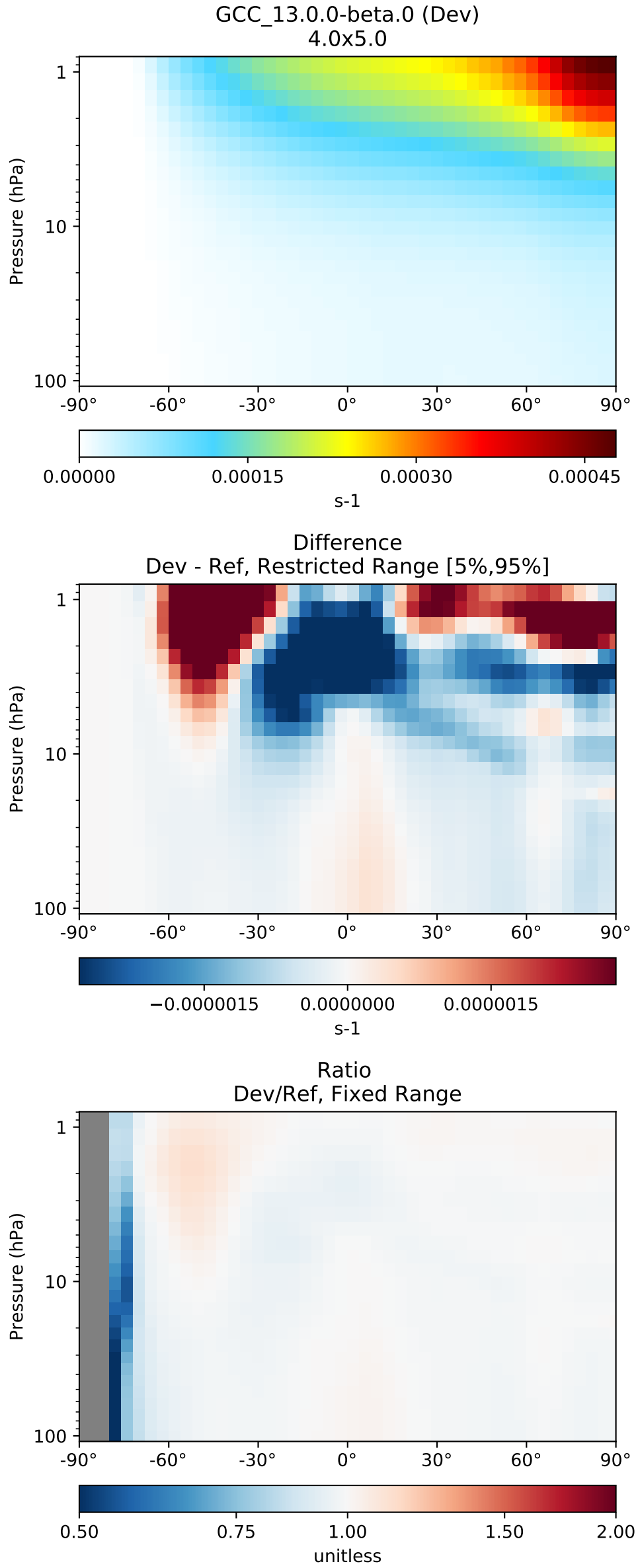




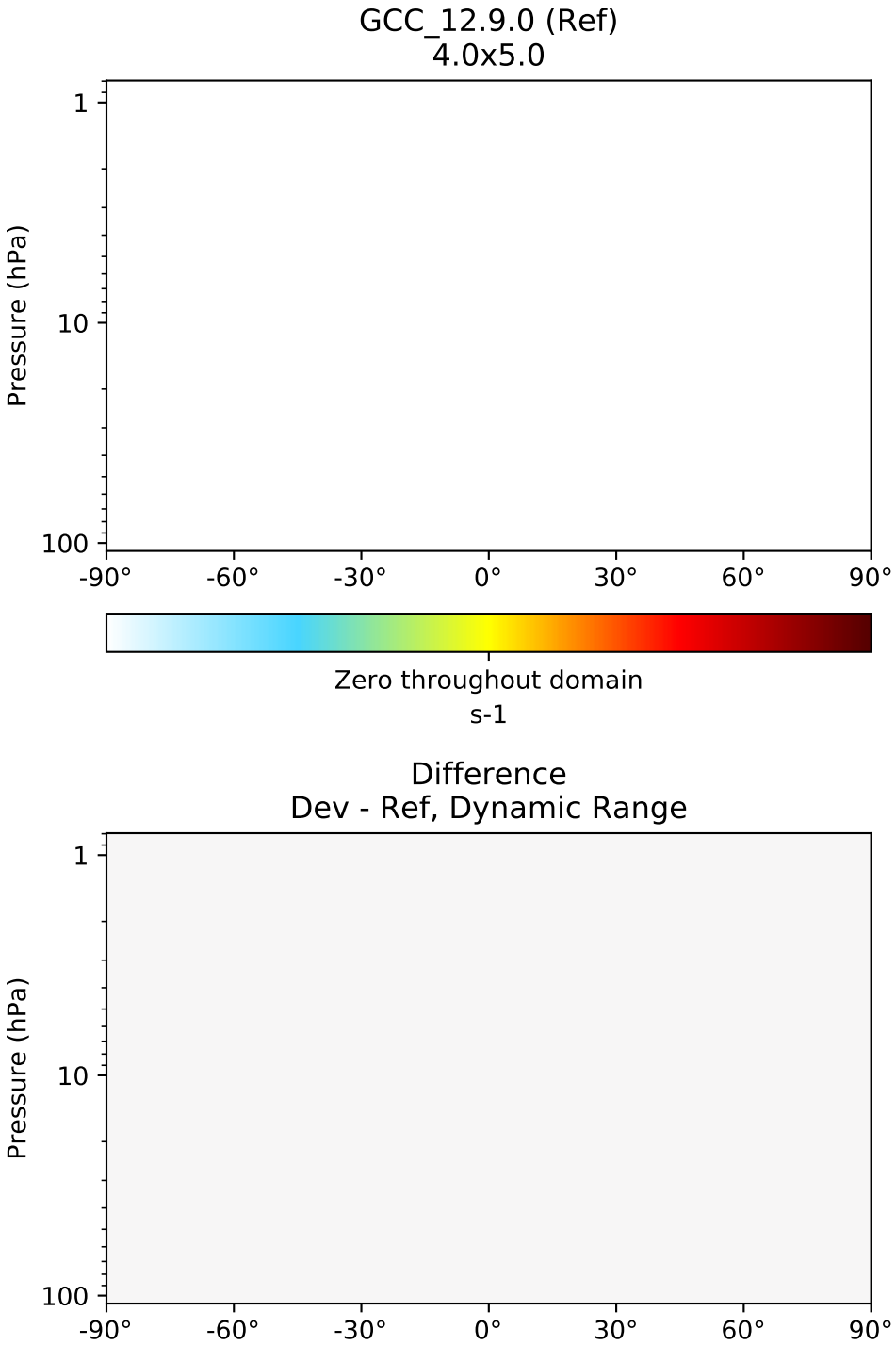


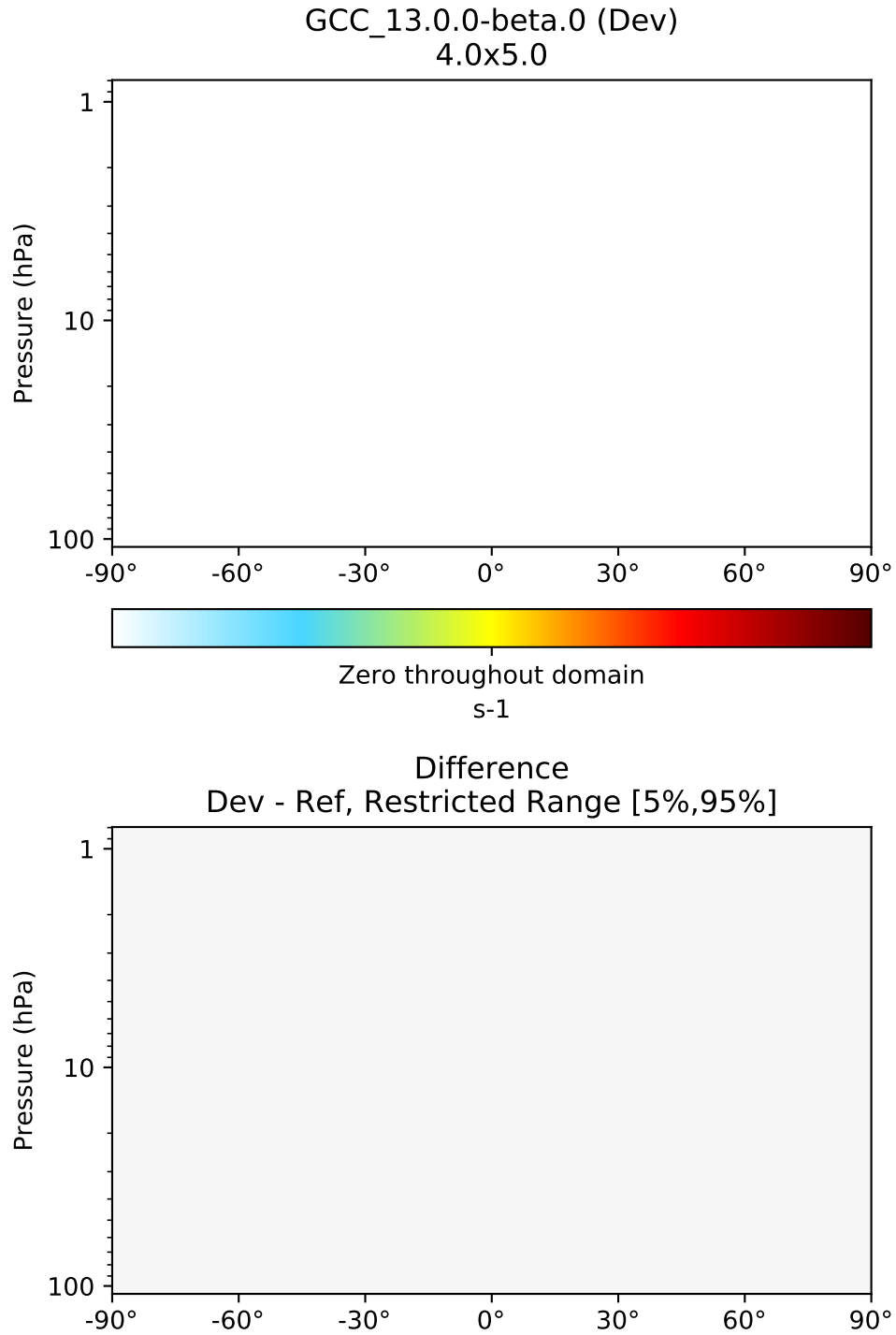
Jval_N2O5, Zonal Mean

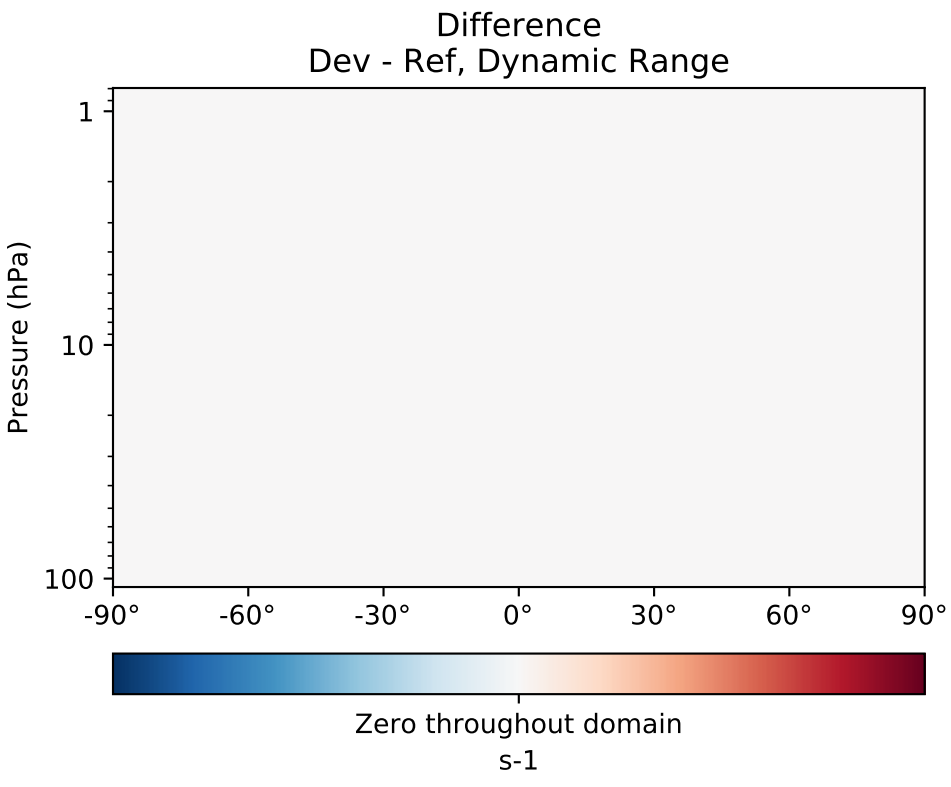


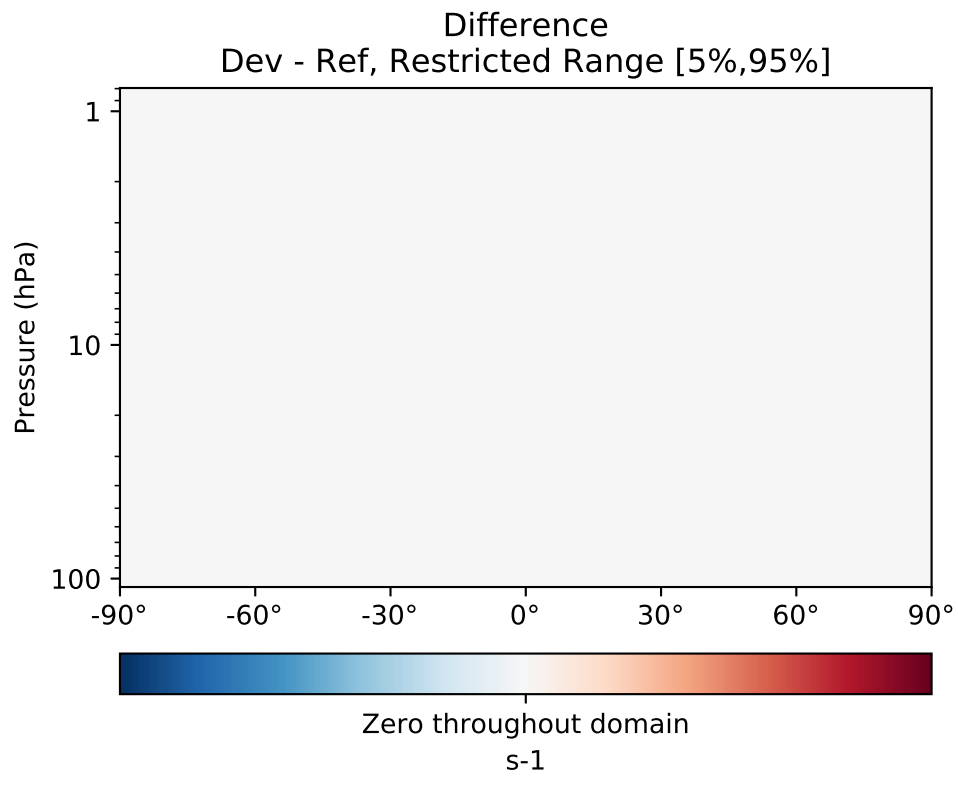


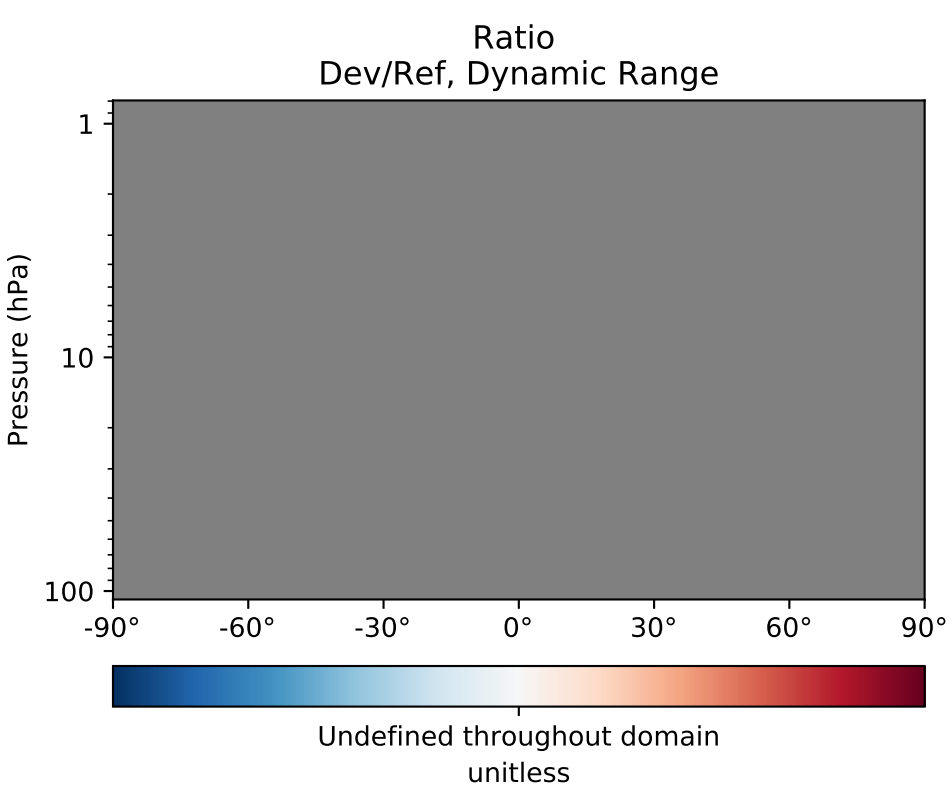
Jval_NIT, Zonal Mean

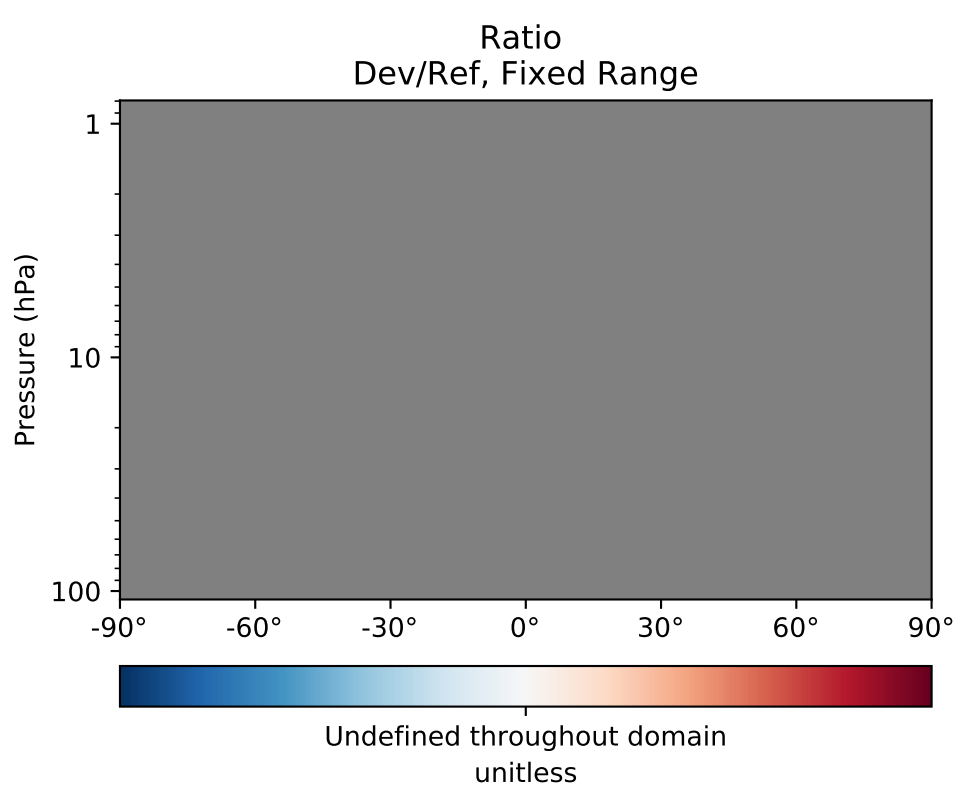










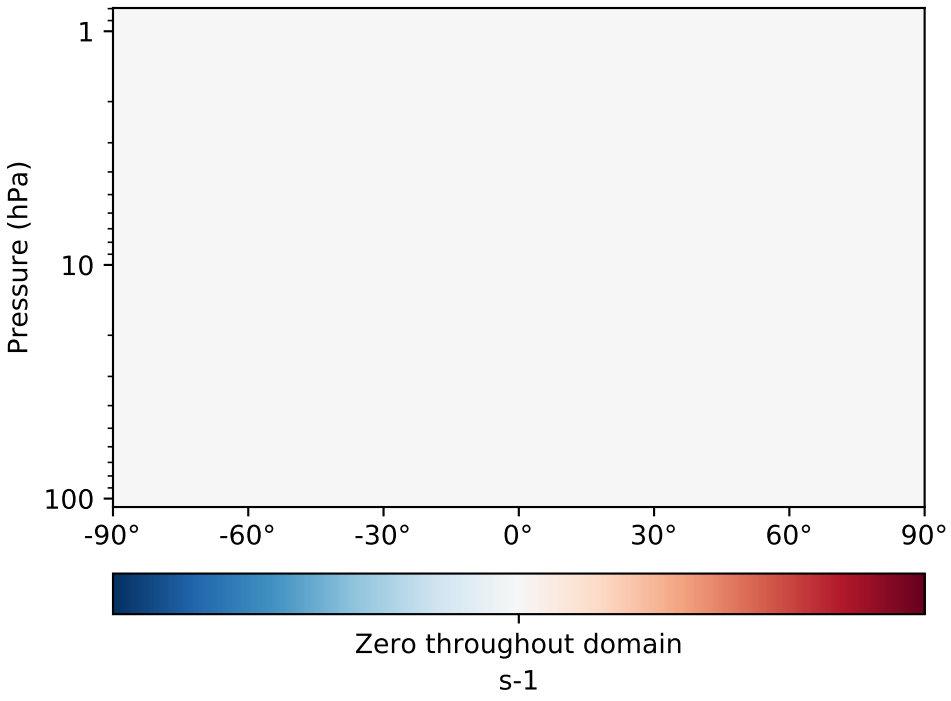


Jval_NITs, Zonal Mean

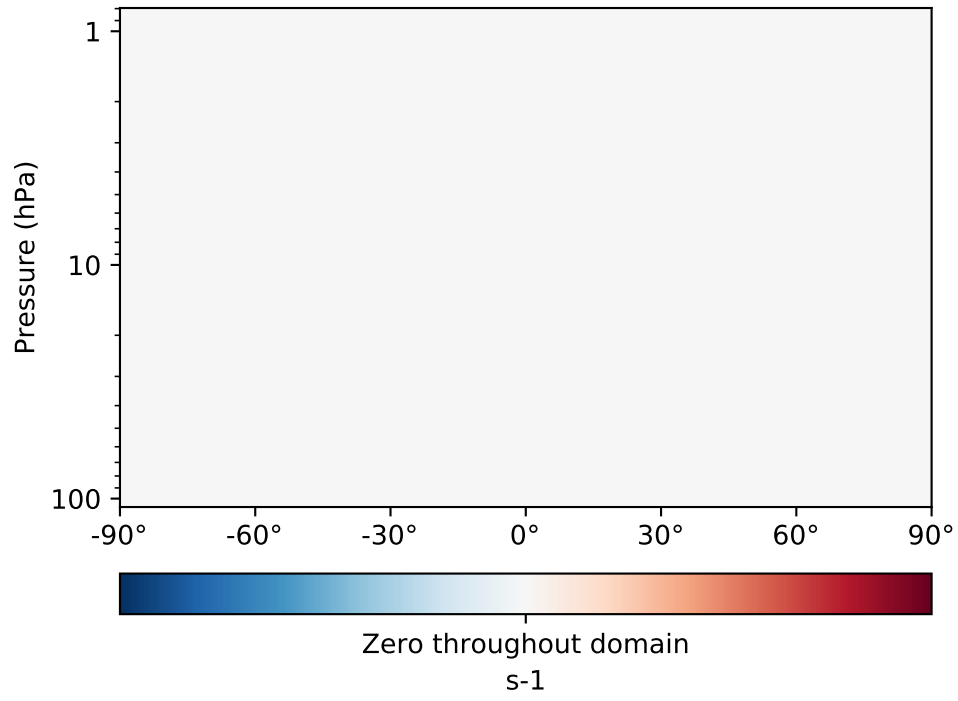
GCC_12.9.0 (Ref)
4.0x5.0

GCC_13.0.0-beta.0 (Dev)
4.0x5.0

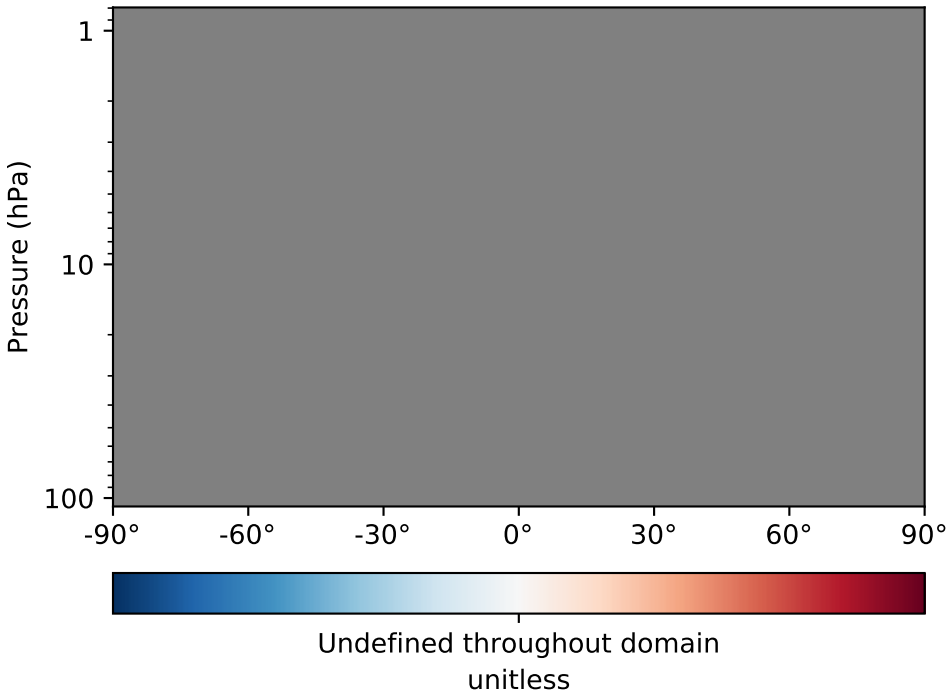
Difference
Dev - Ref, Dynamic Range



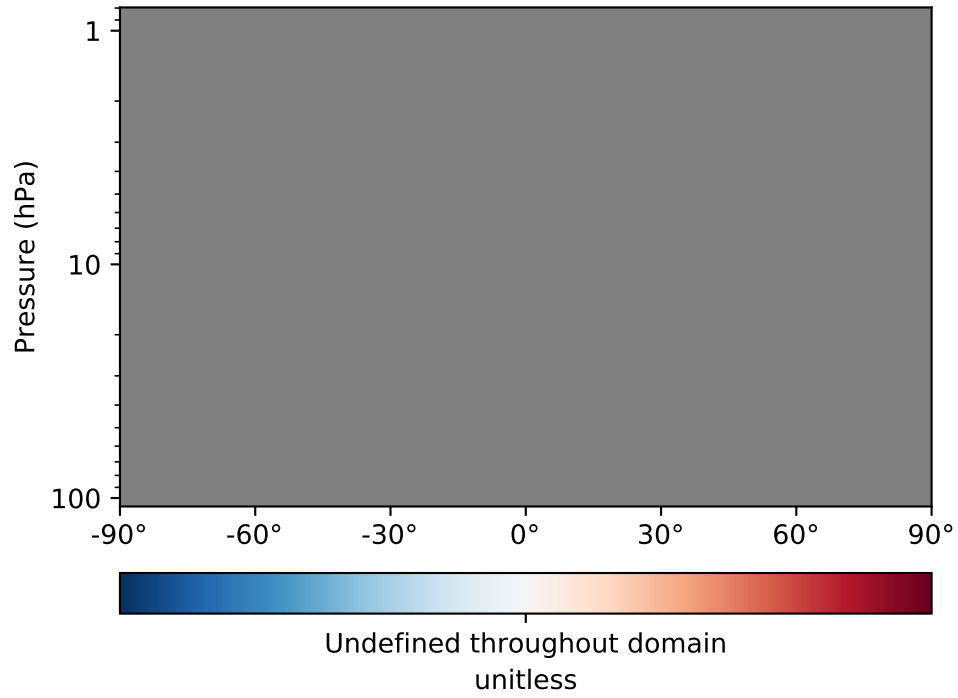
Difference
Dev - Ref, Restricted Range [5%,95%]



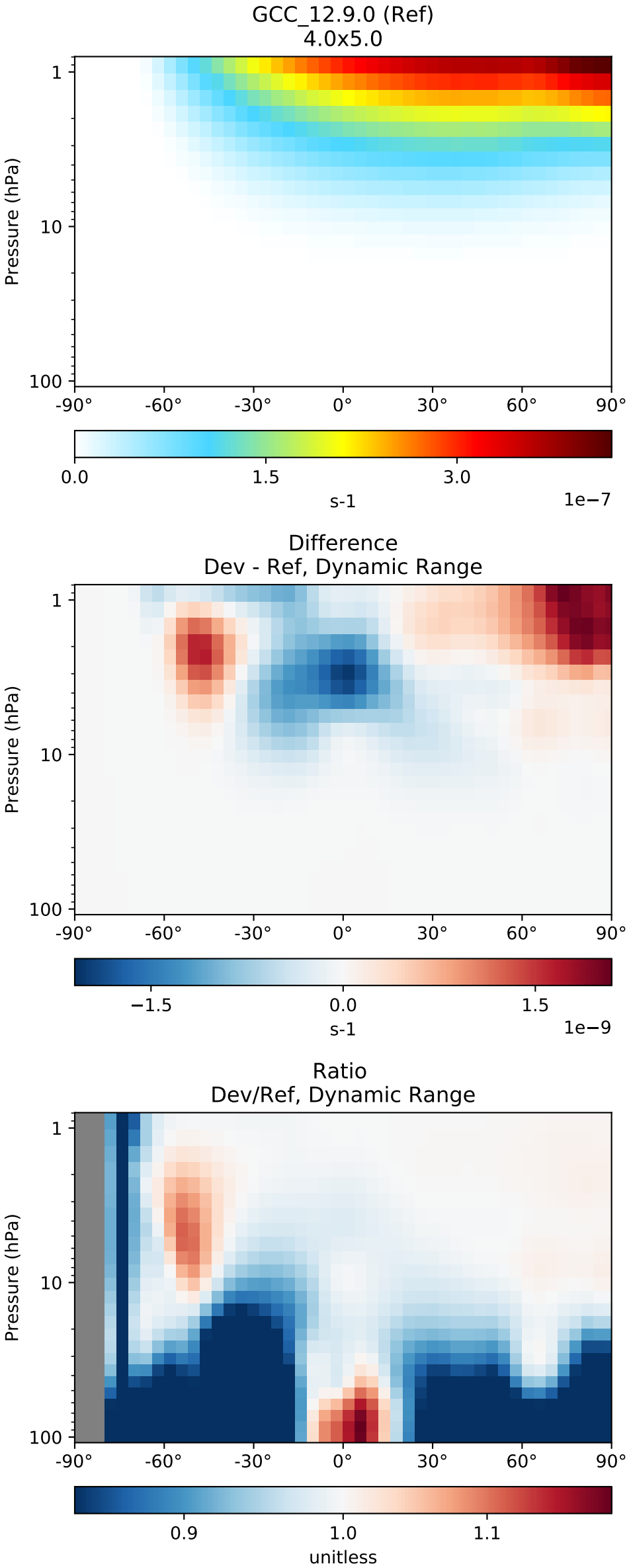
Ratio
Dev/Ref, Dynamic Range

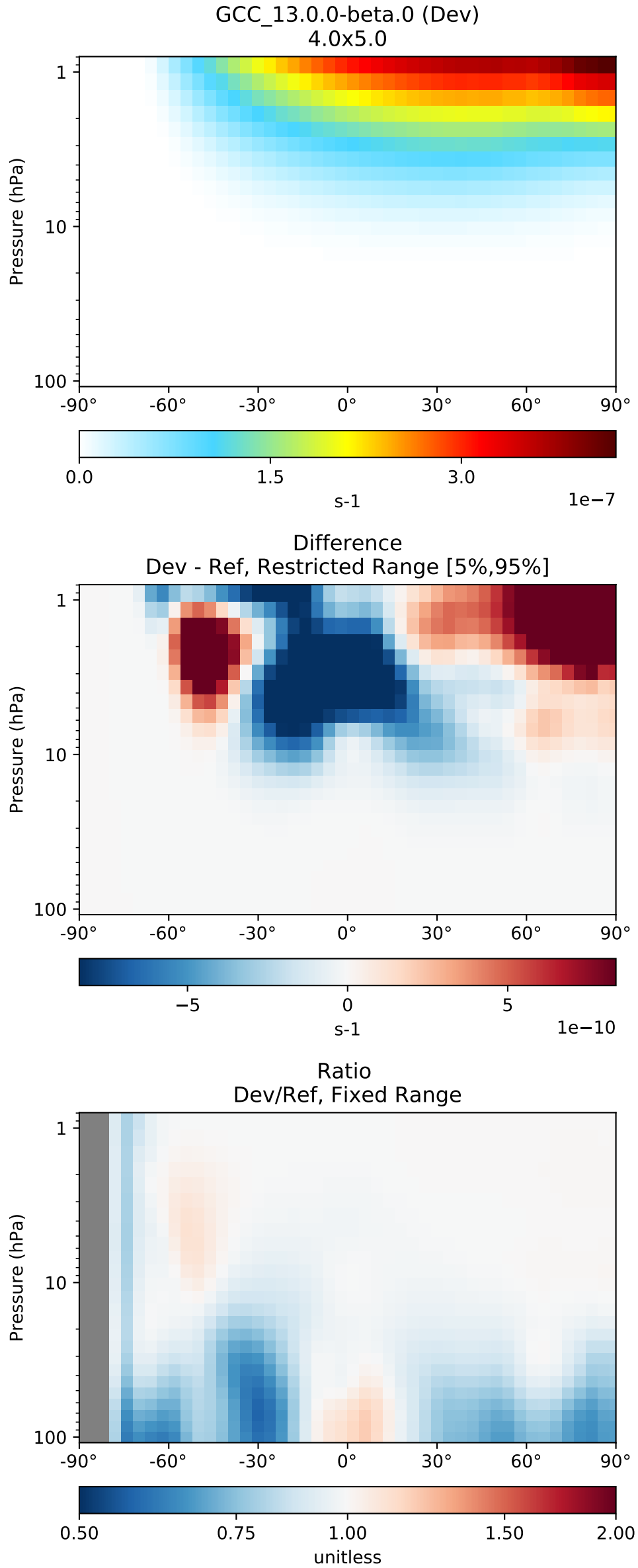


Ratio
Dev/Ref, Fixed Range

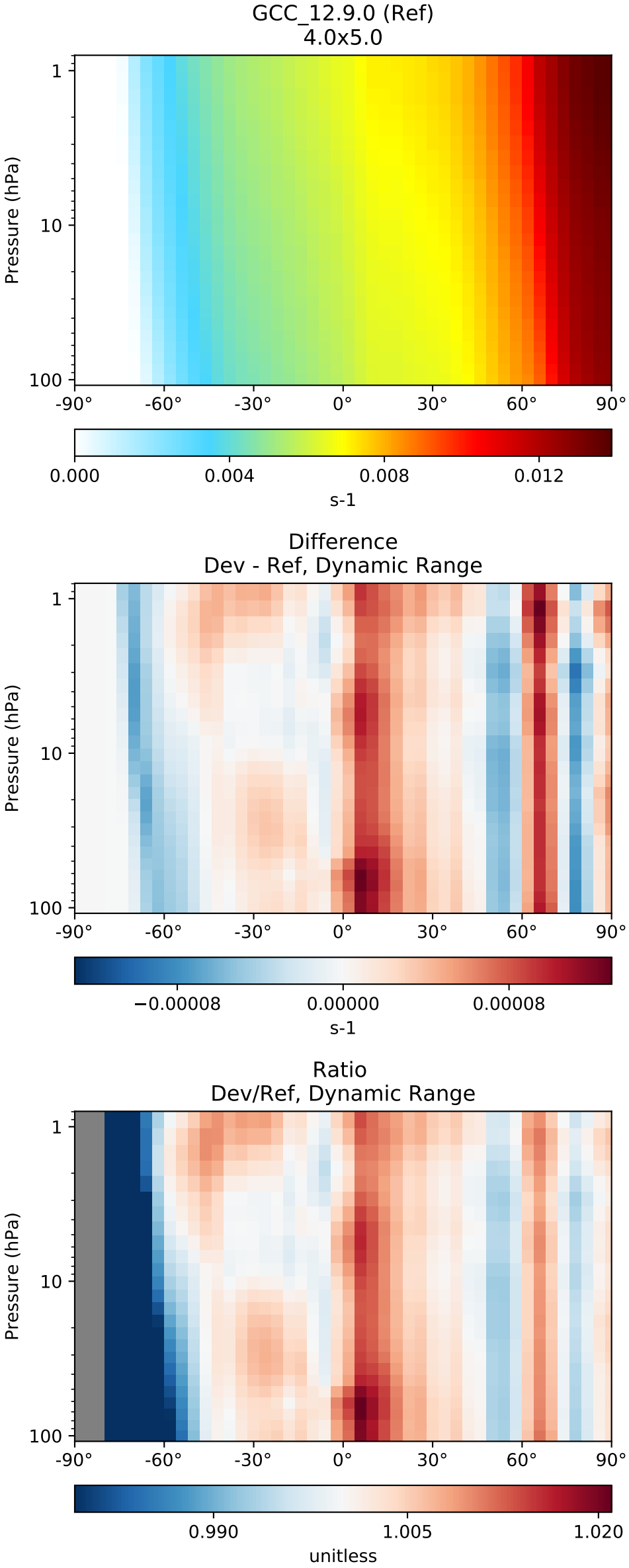


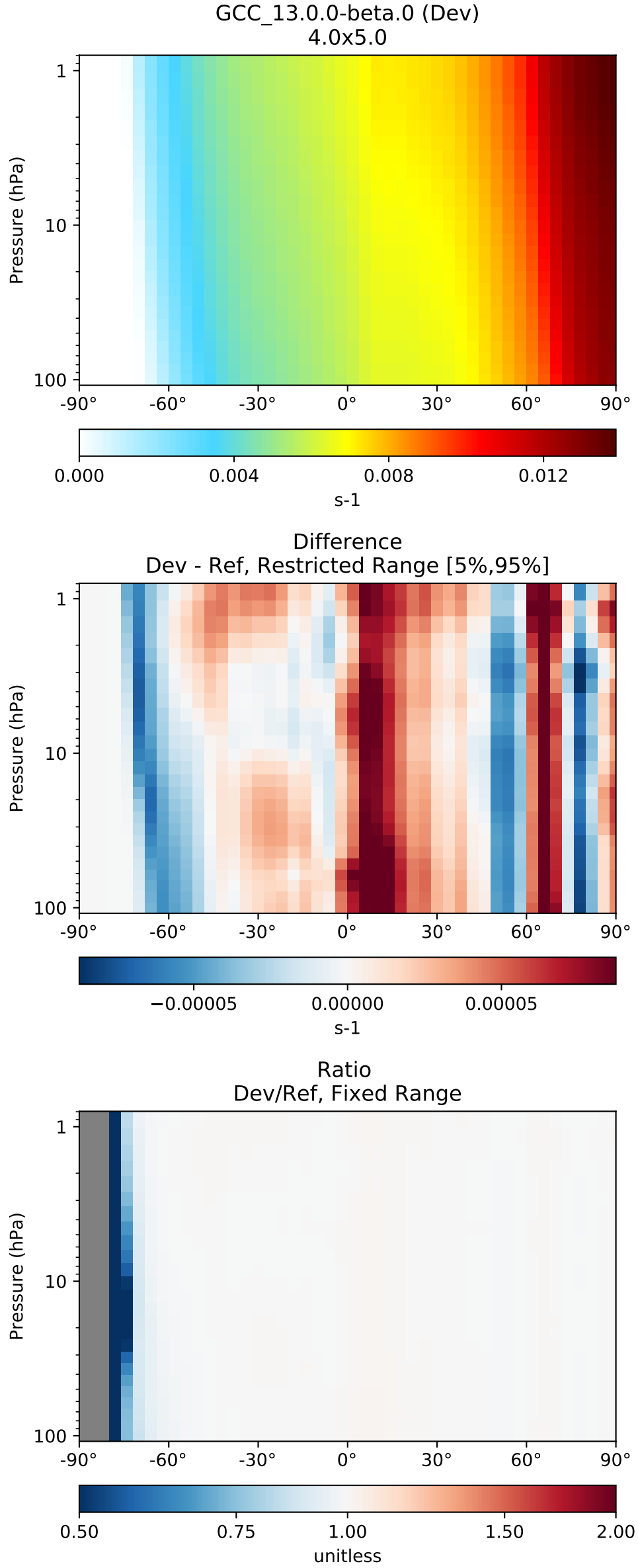
Jval_NO, Zonal Mean



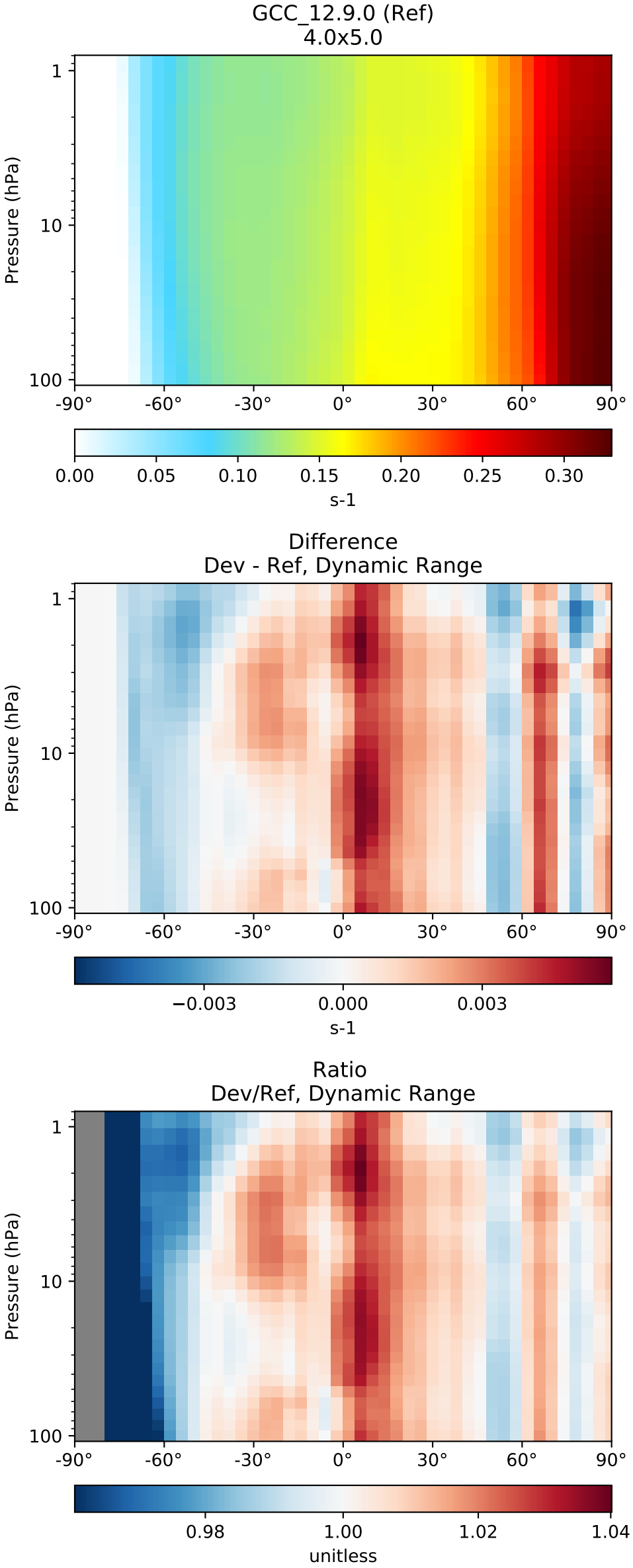


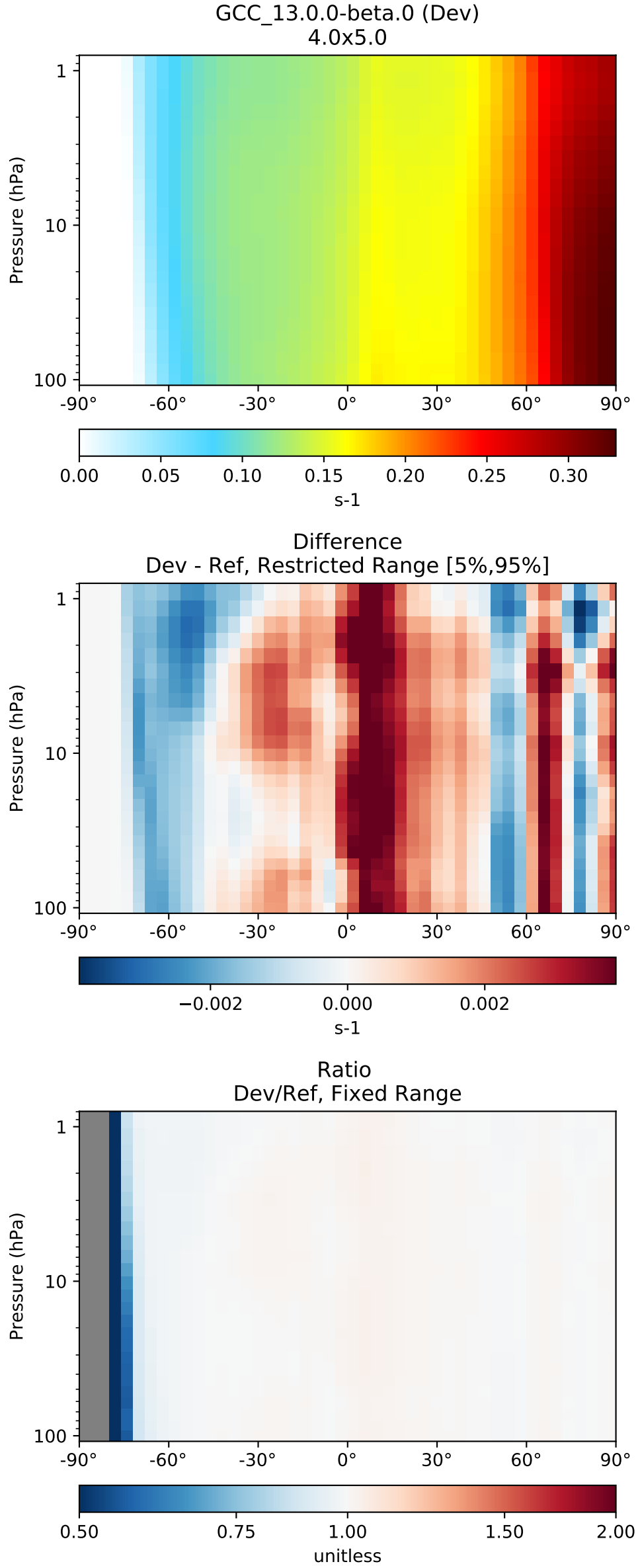
Jval_NO2, Zonal Mean



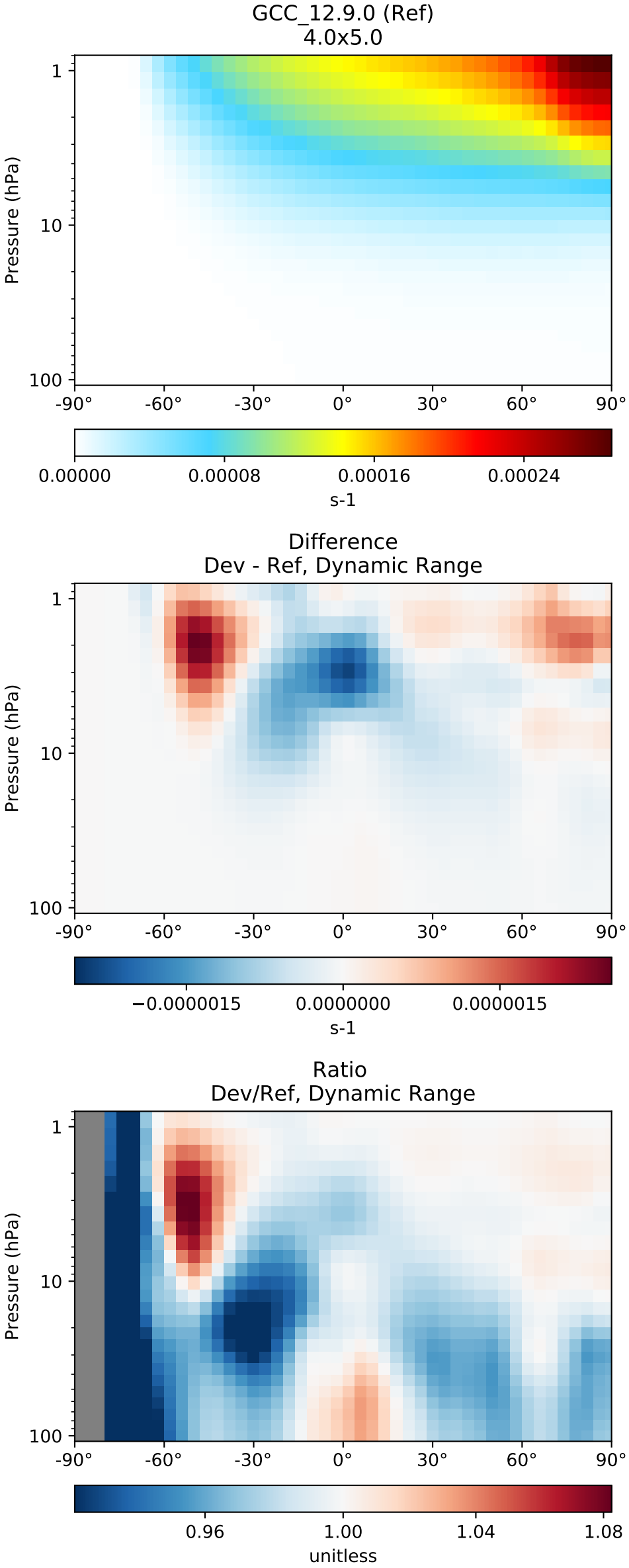


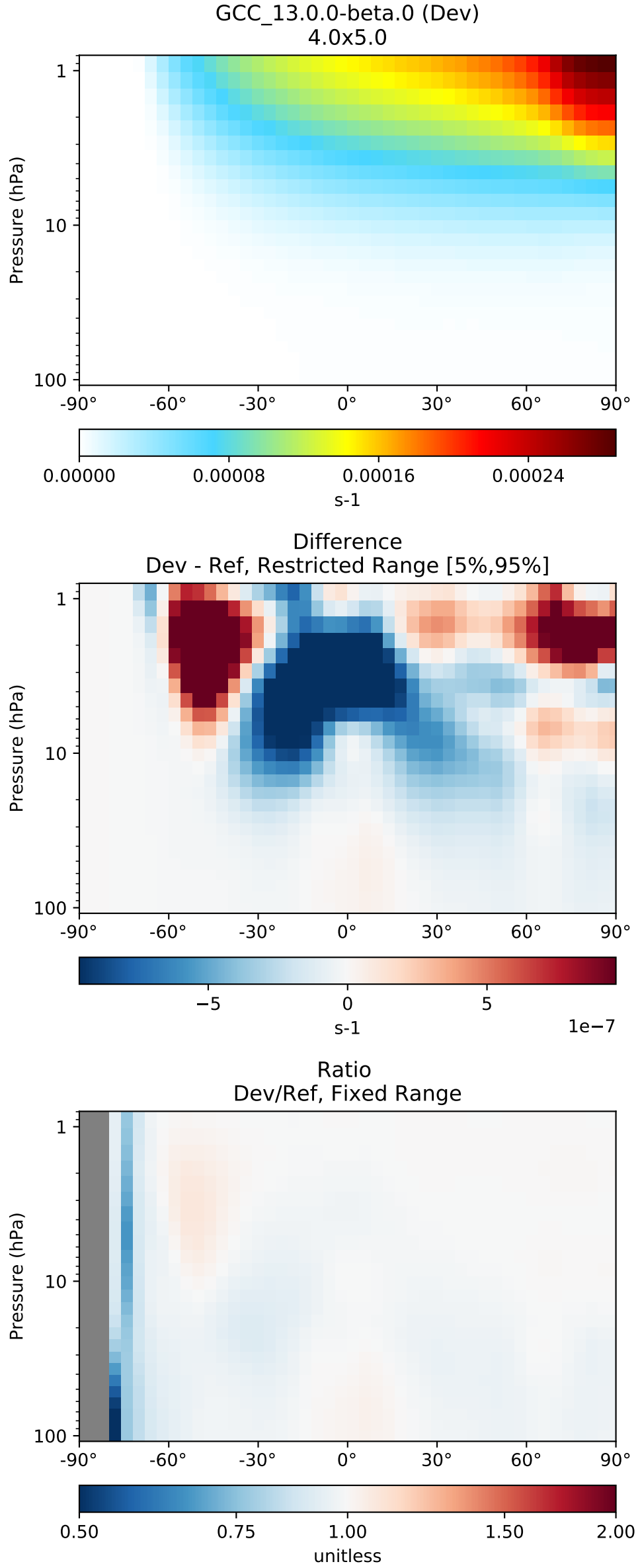
Jval_NO3, Zonal Mean



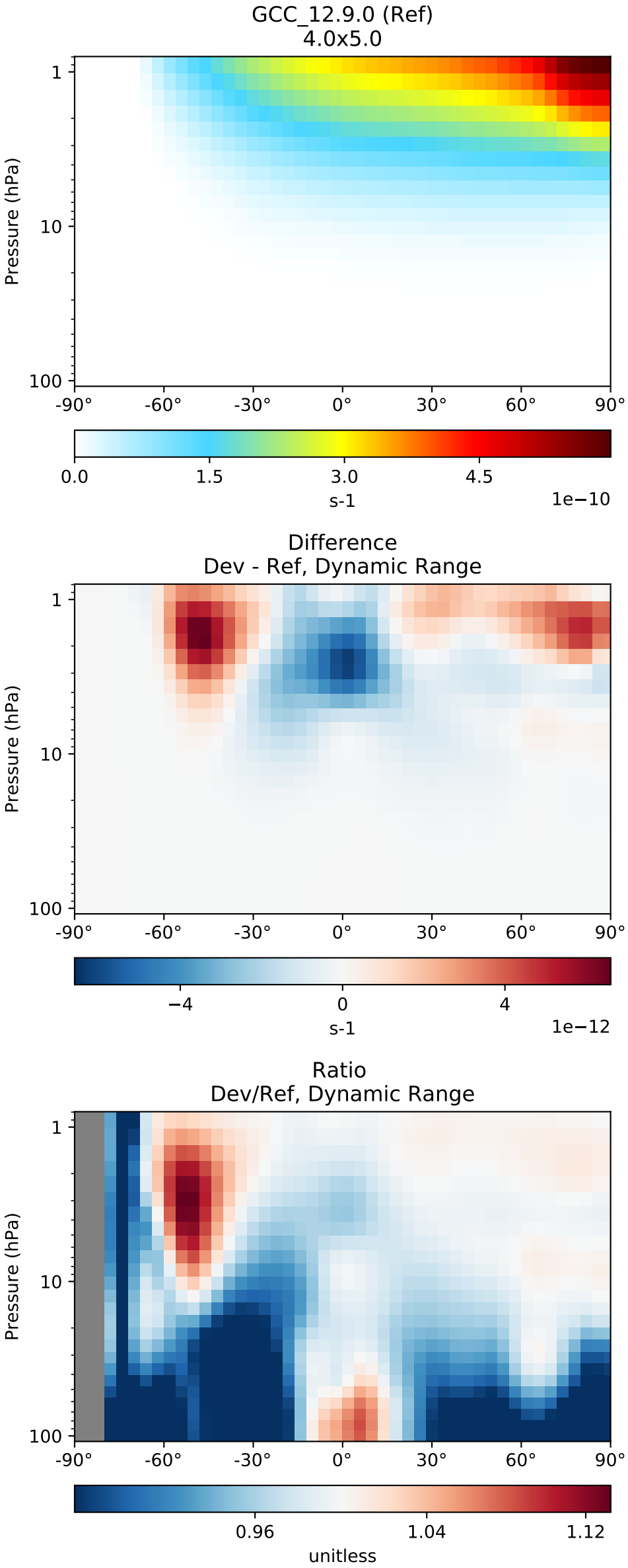


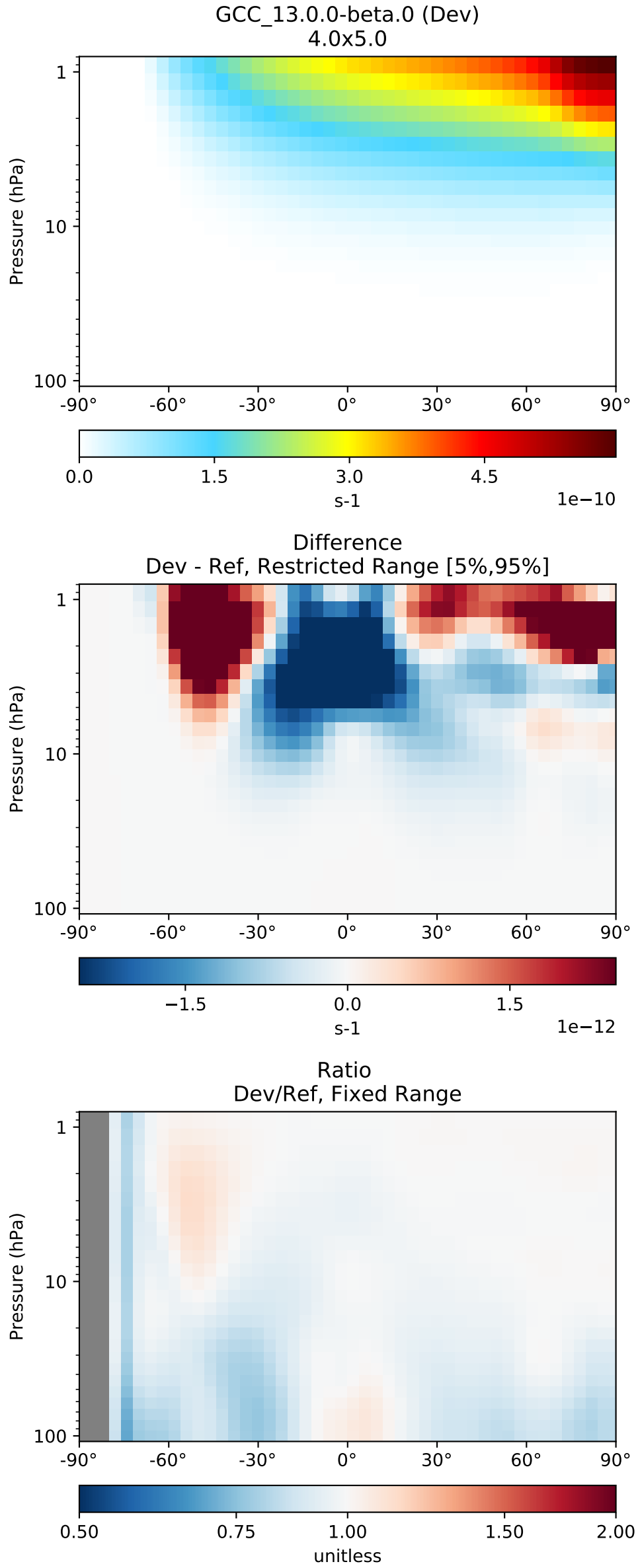
Jval_NPRNO3, Zonal Mean





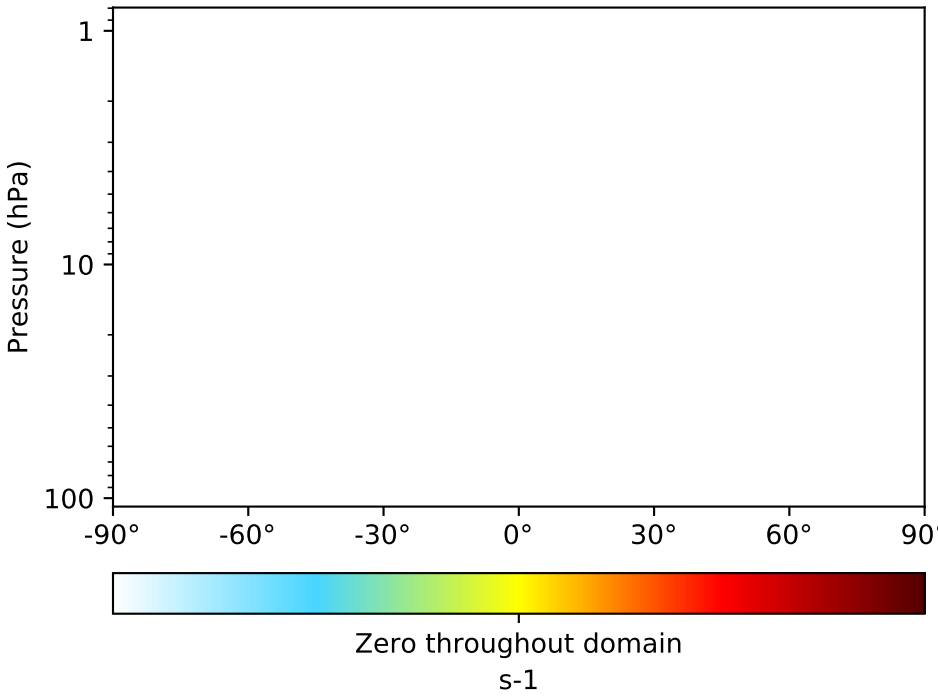
Jval_O2, Zonal Mean



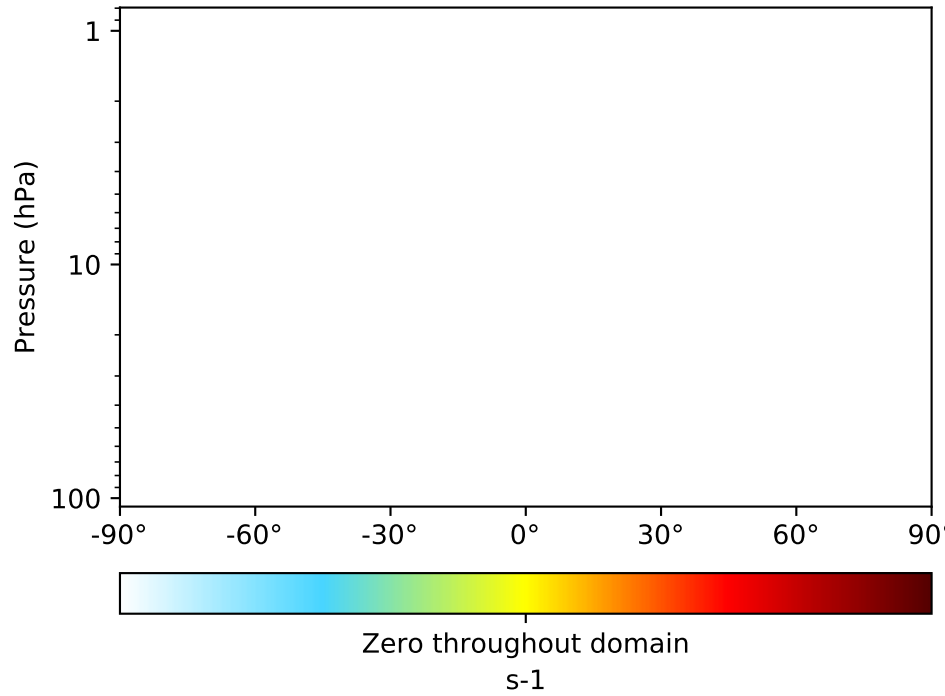


Jval_O3, Zonal Mean

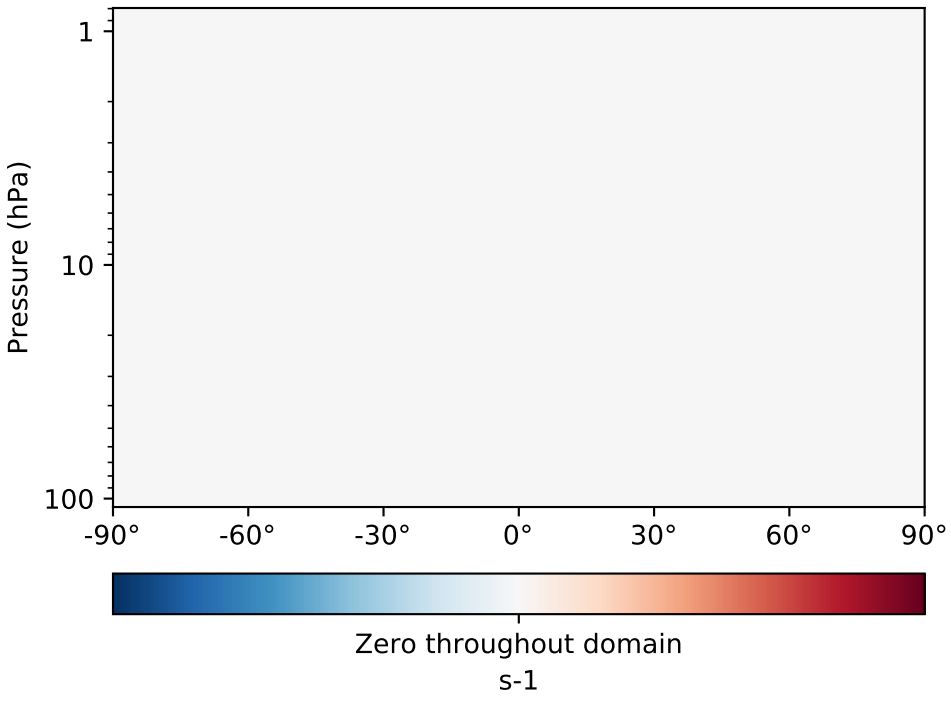
GCC_12.9.0 (Ref)
4.0x5.0



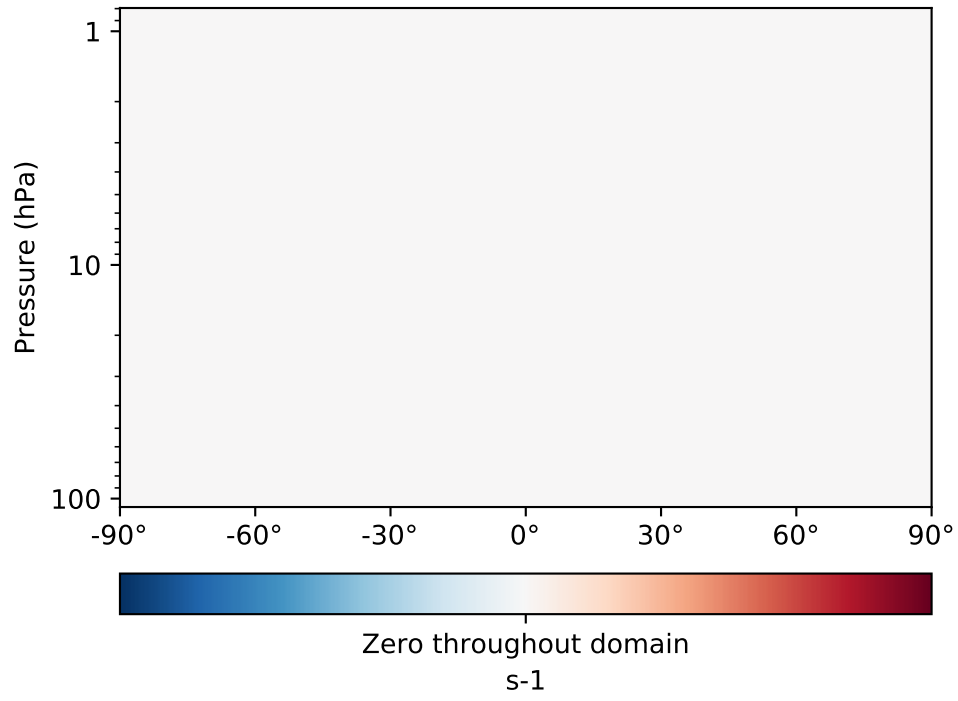
GCC_13.0.0-beta.0 (Dev)
4.0x5.0



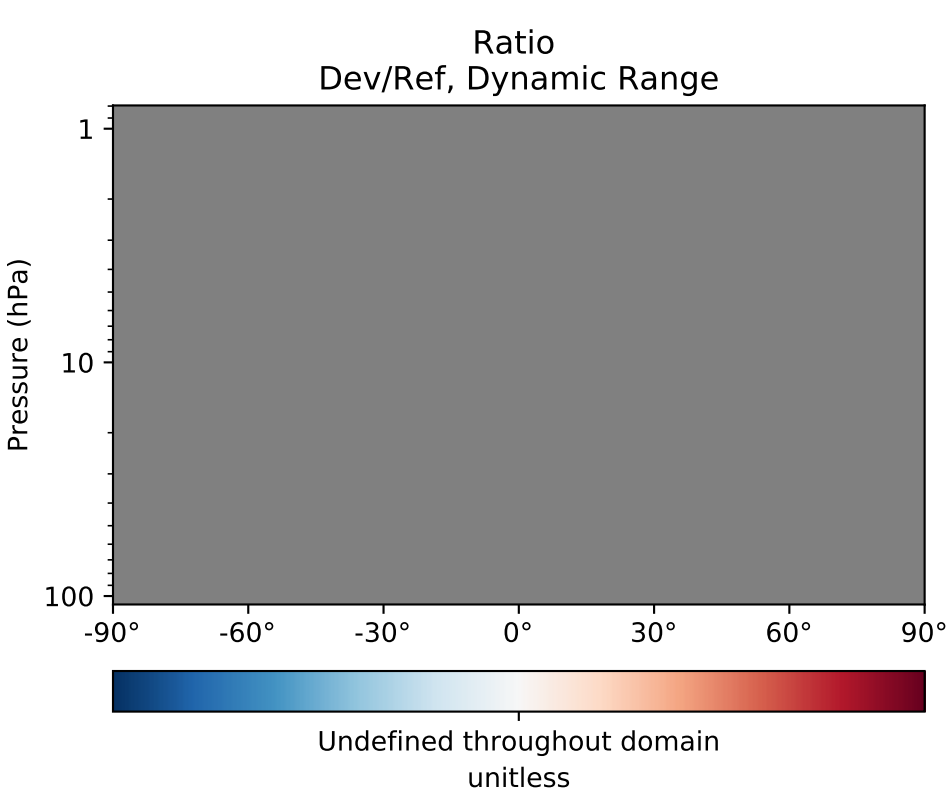
Difference
Dev - Ref, Dynamic Range



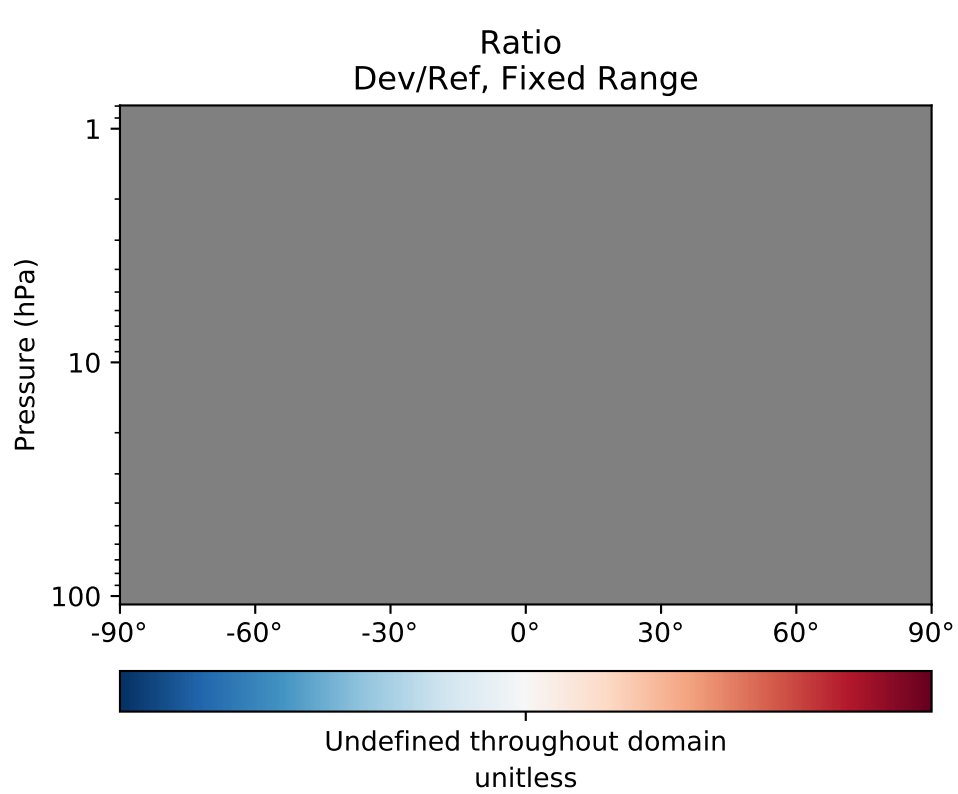
Difference
Dev - Ref, Restricted Range [5%,95%]



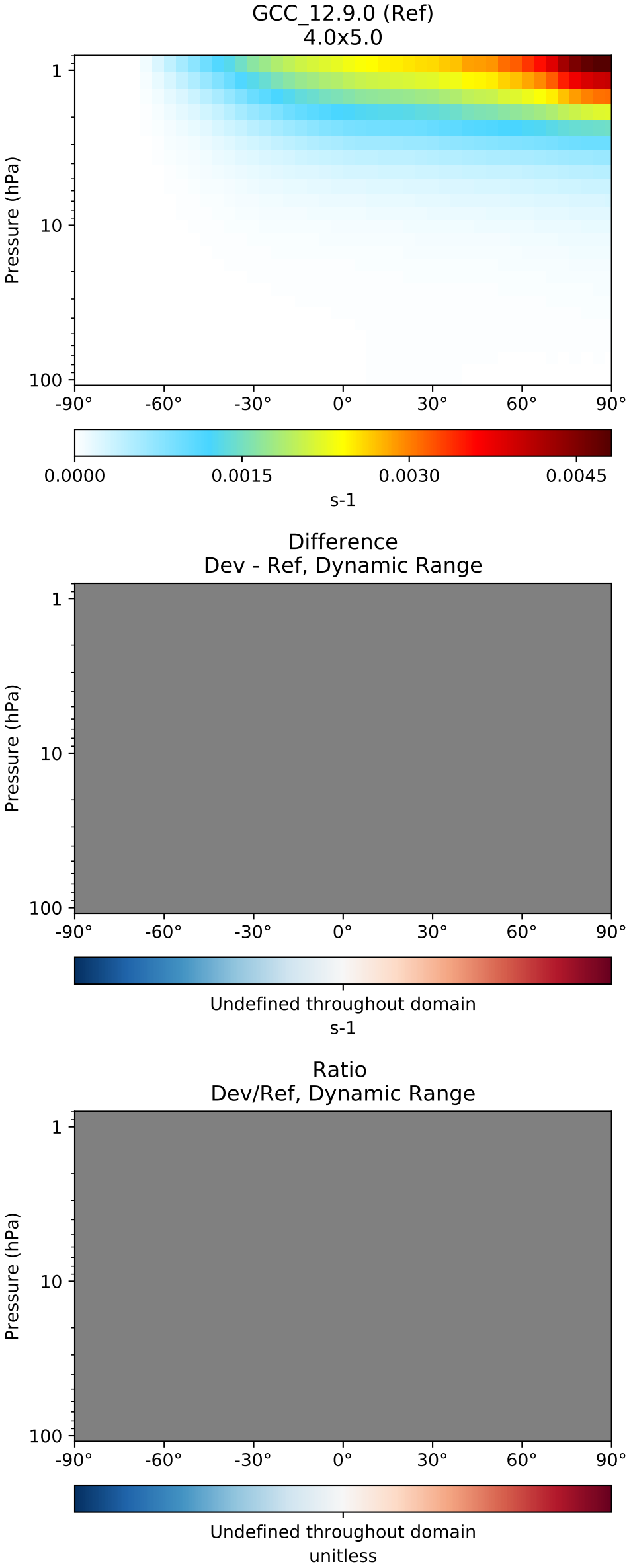
Ratio
Dev/Ref, Dynamic Range

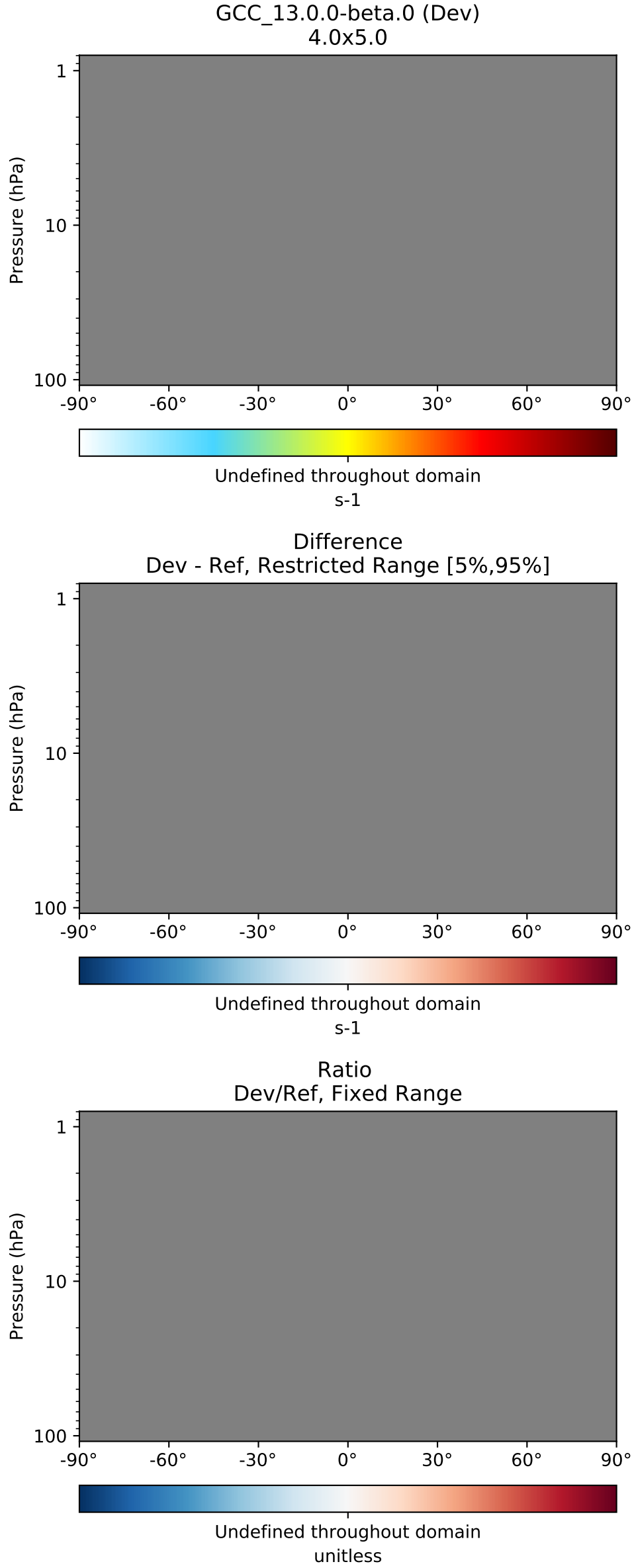


Ratio
Dev/Ref, Fixed Range

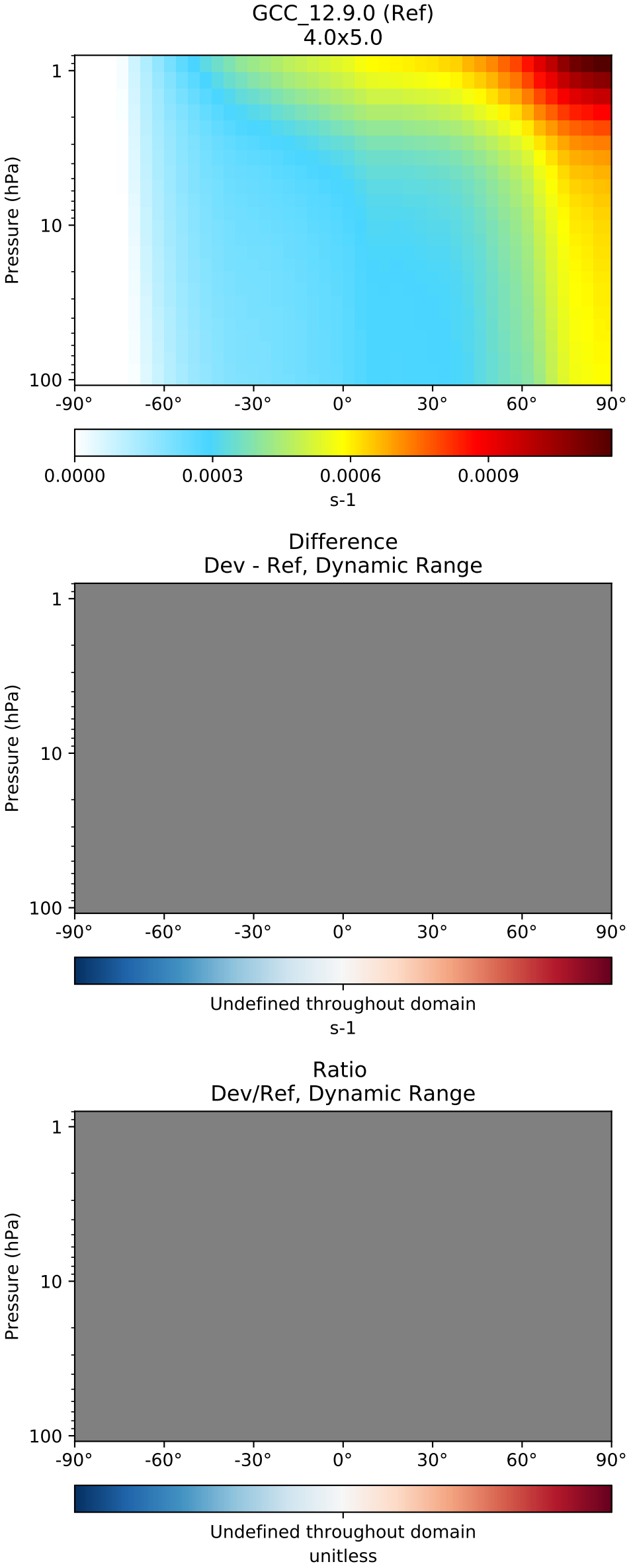


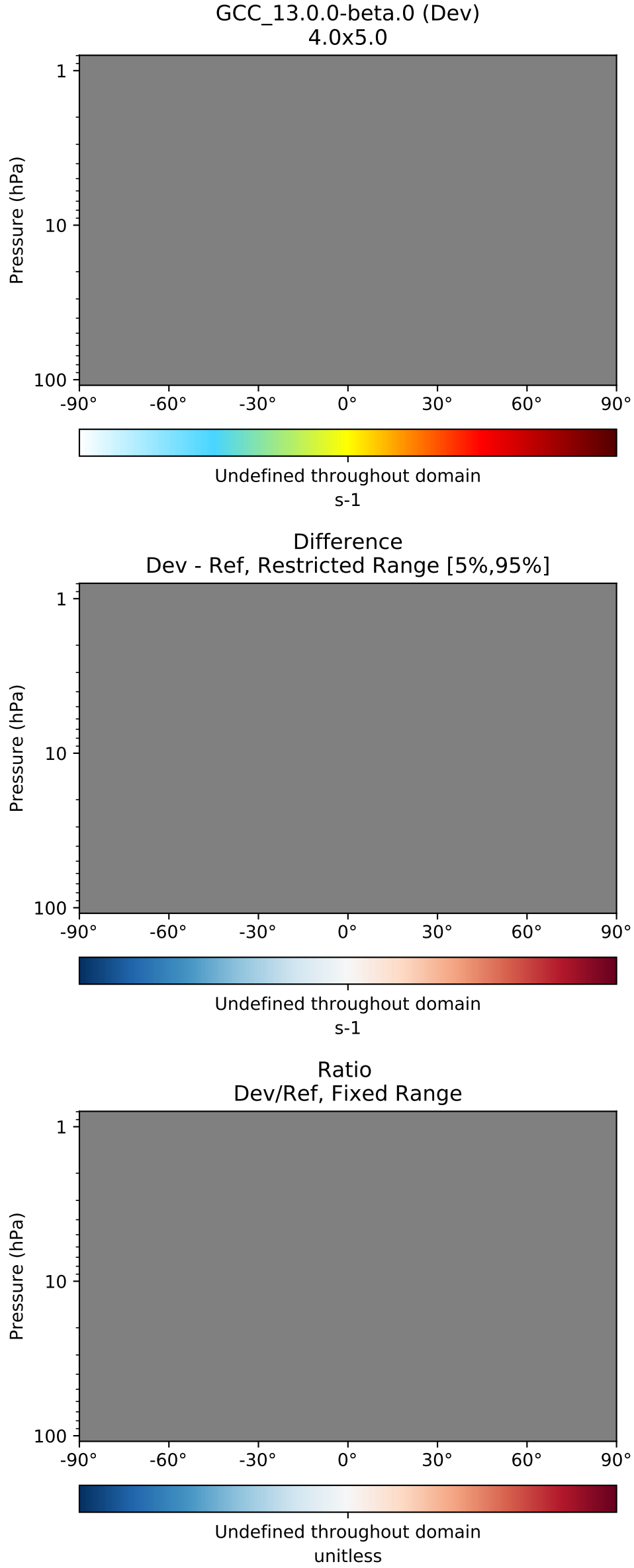
Jval_O3O1D, Zonal Mean



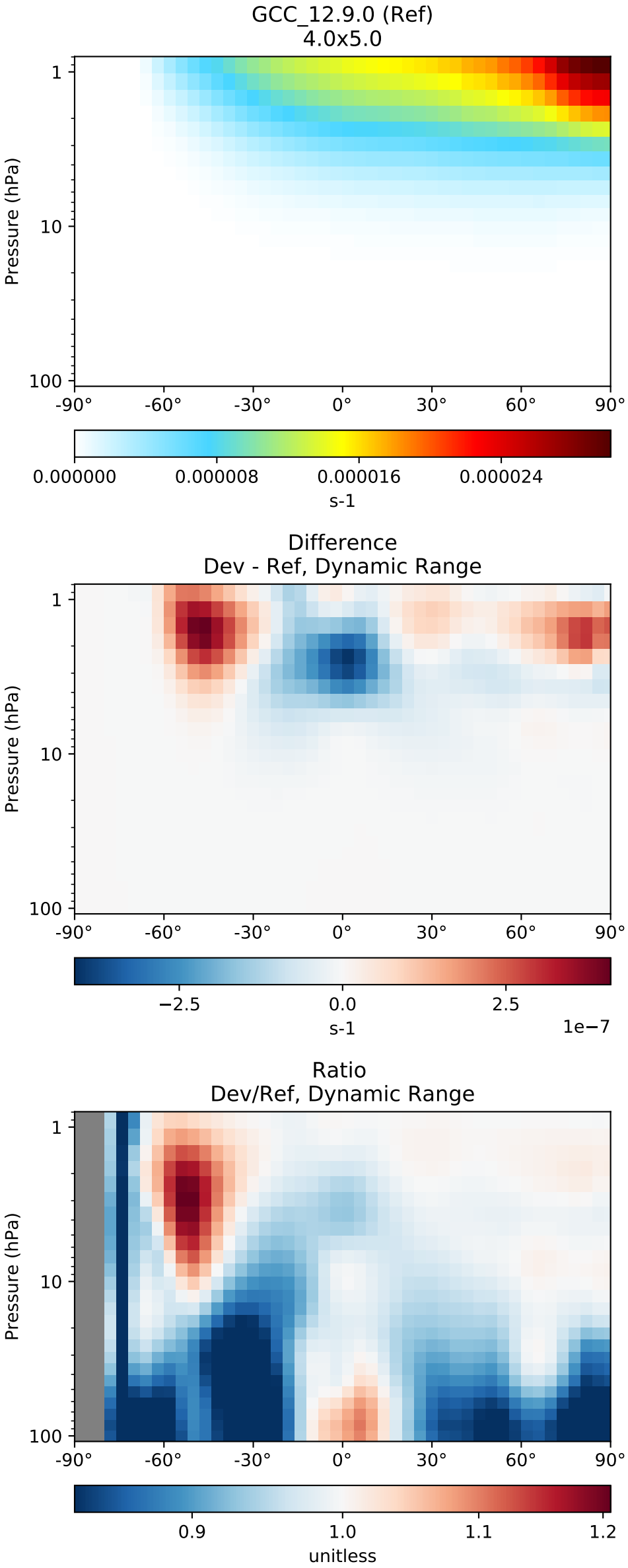


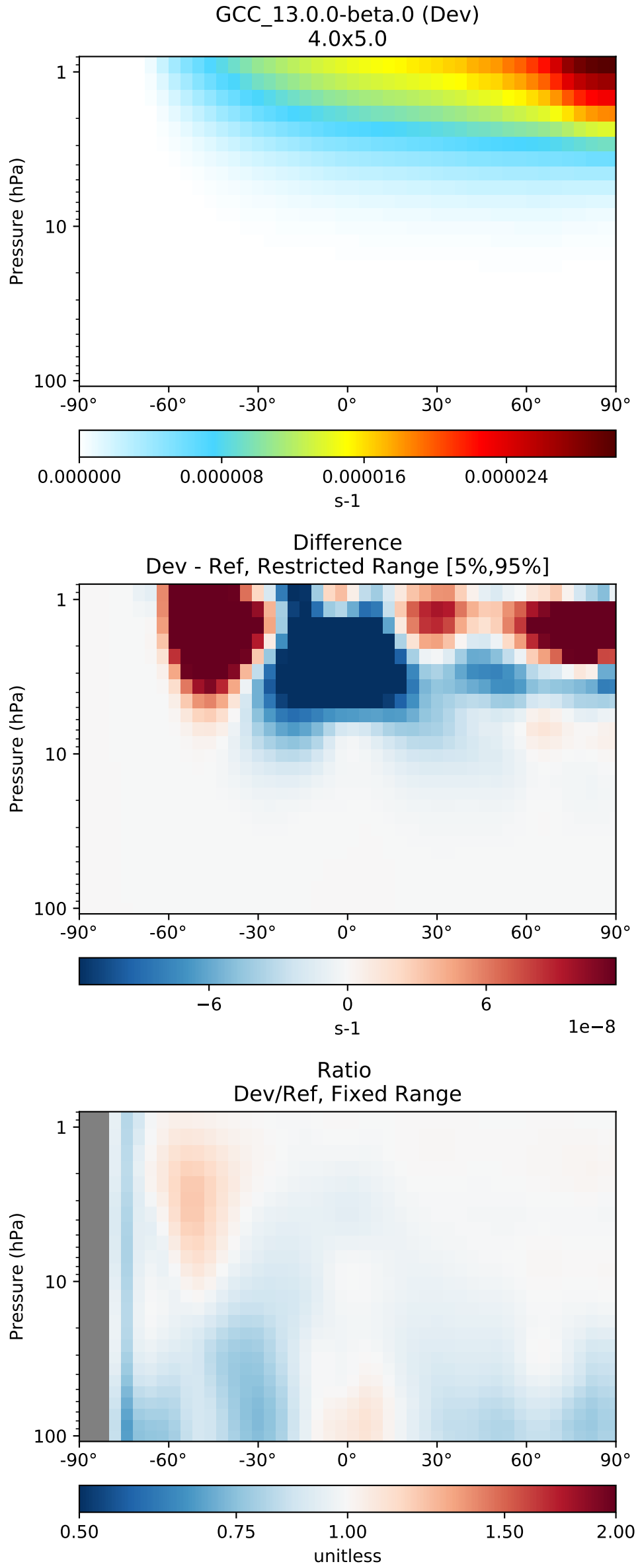
Jval_O3O3P, Zonal Mean



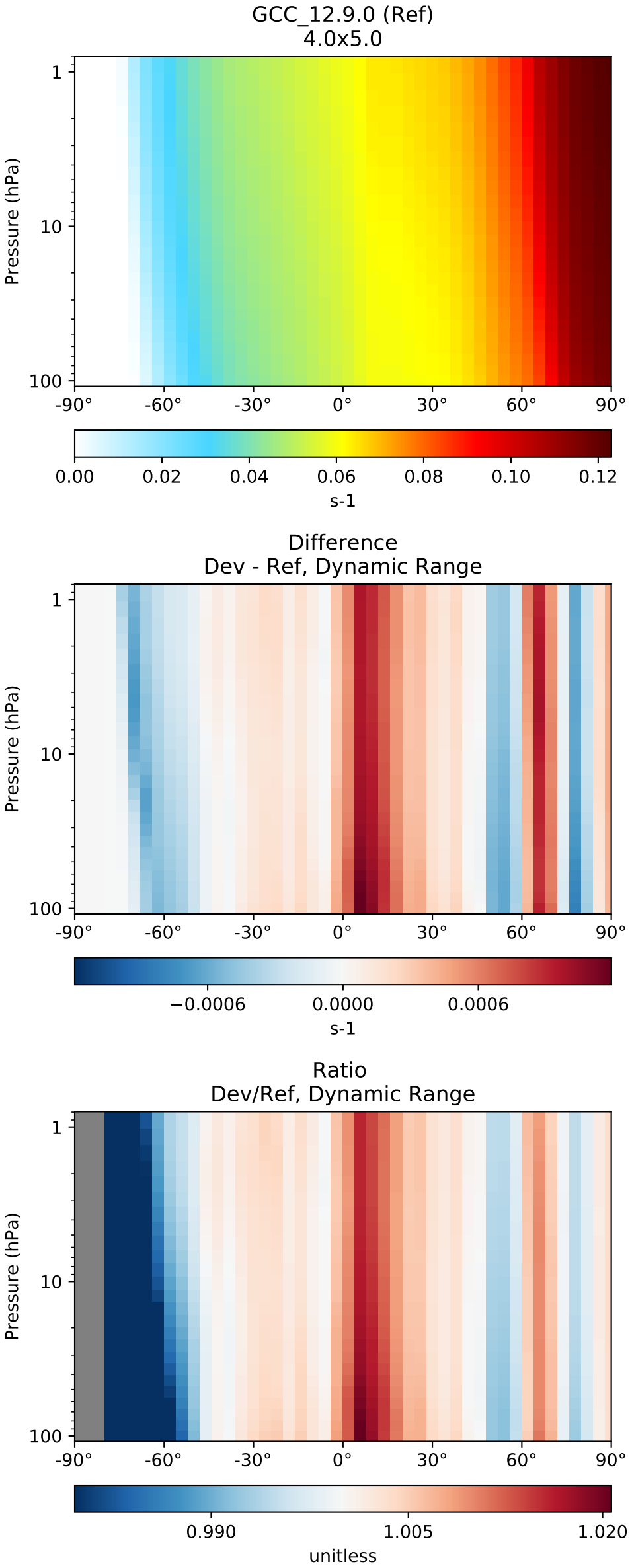


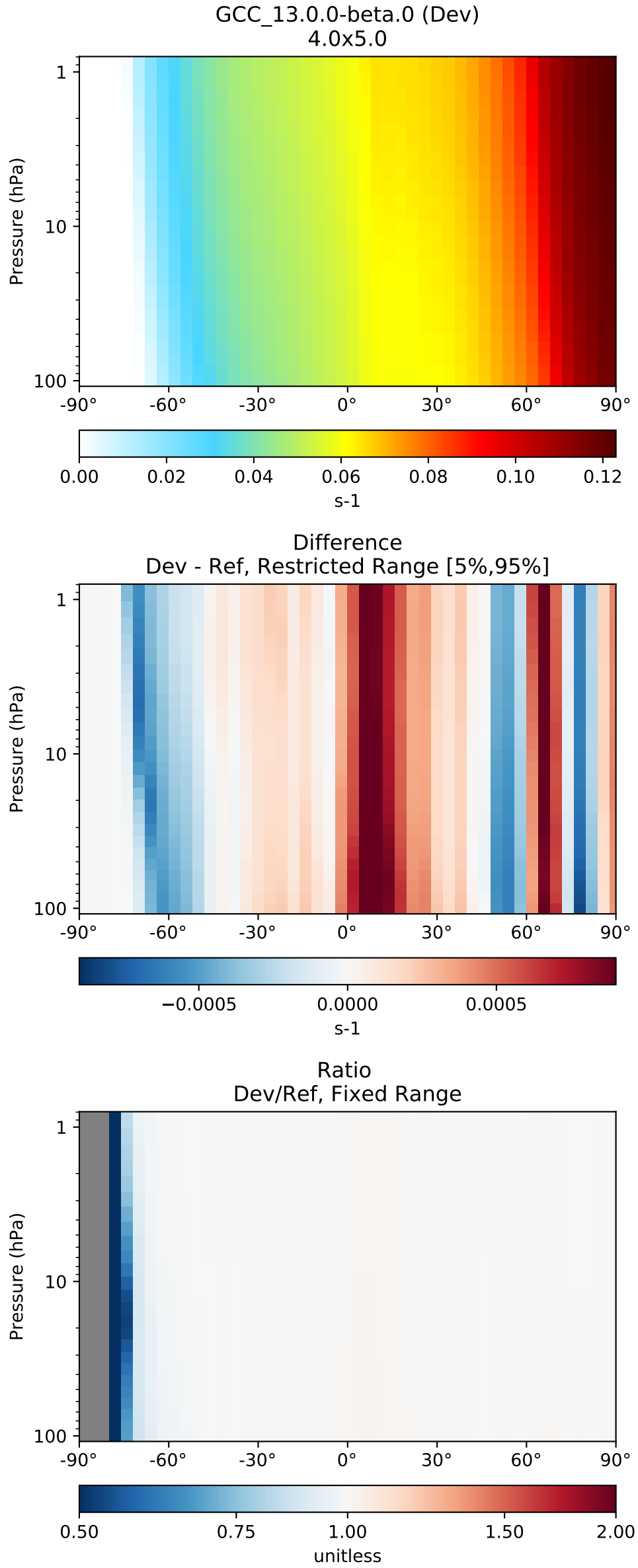
Jval_OCS, Zonal Mean



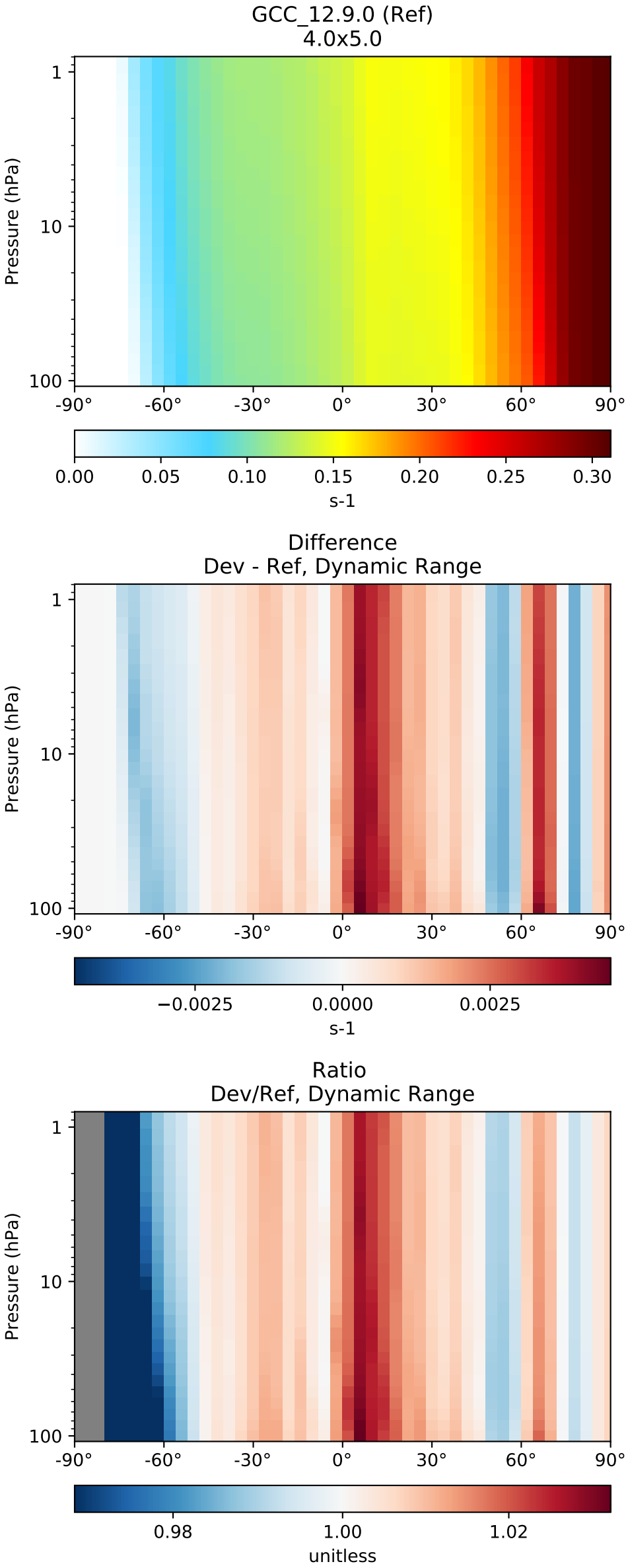


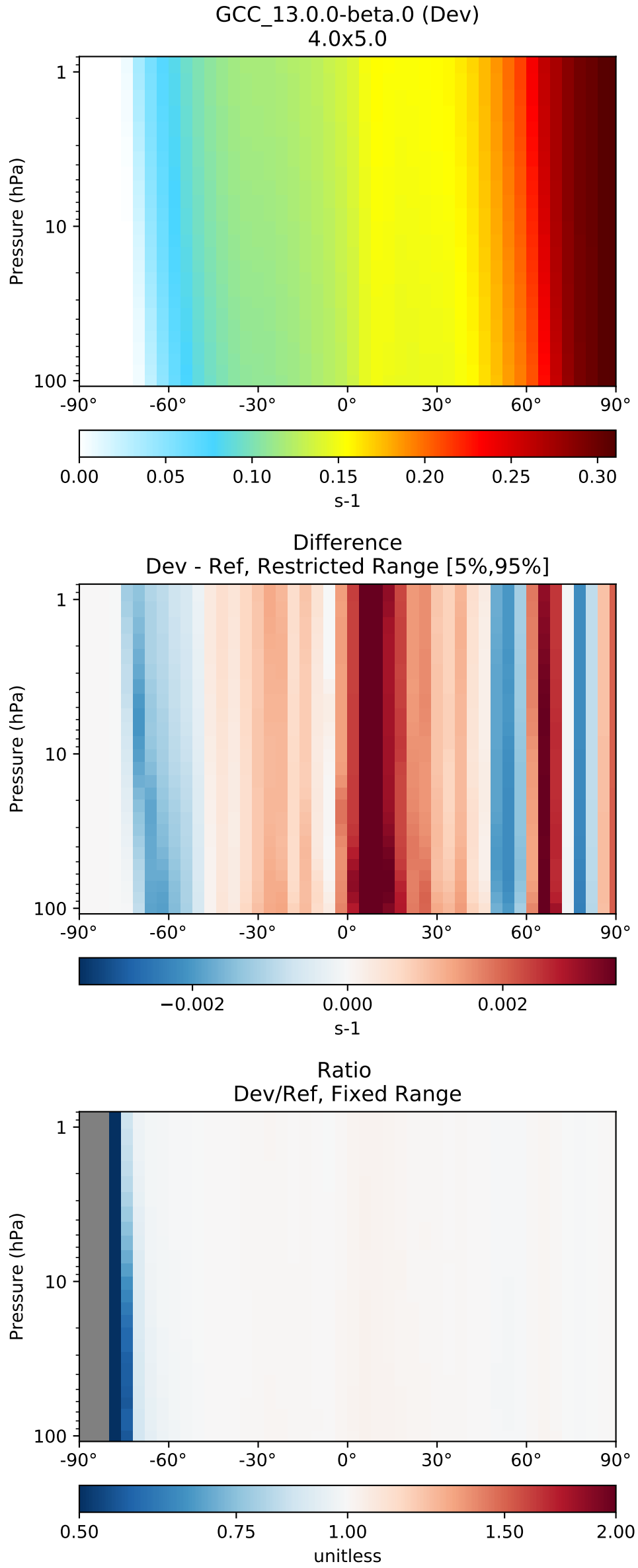
Jval_OClO, Zonal Mean



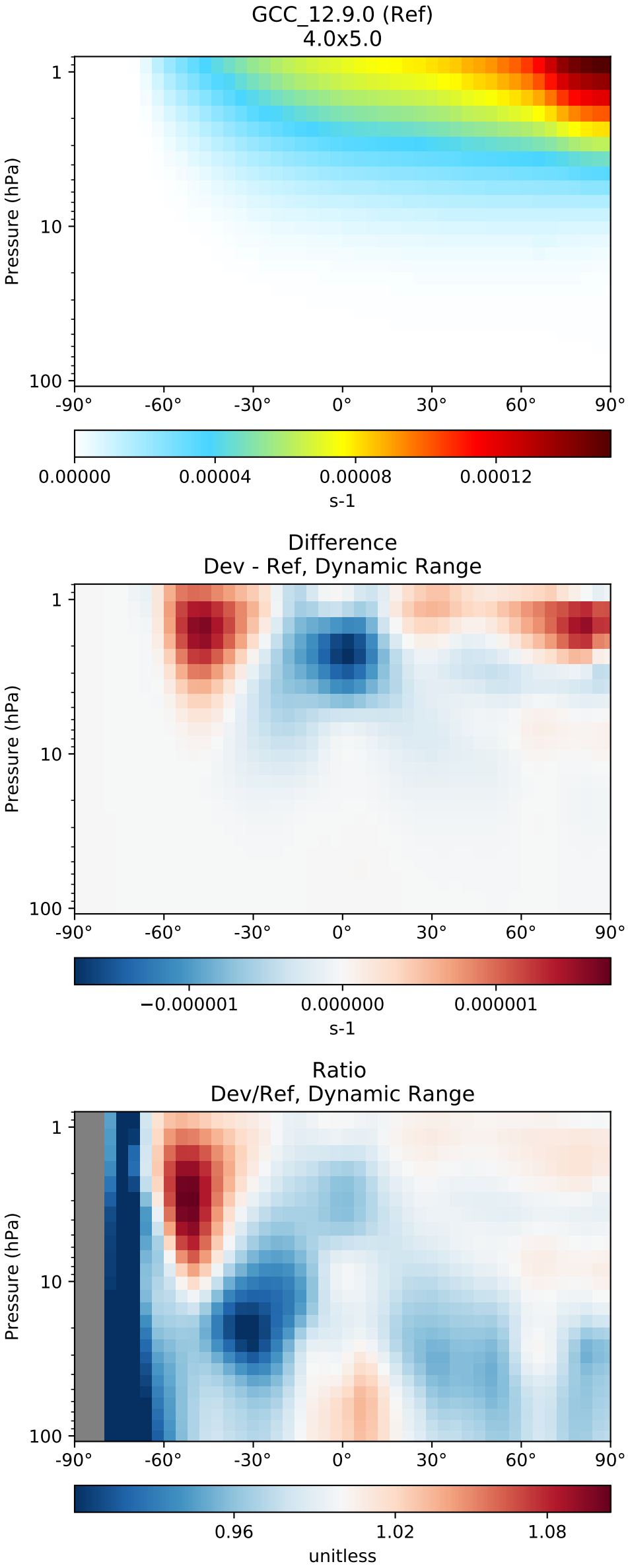


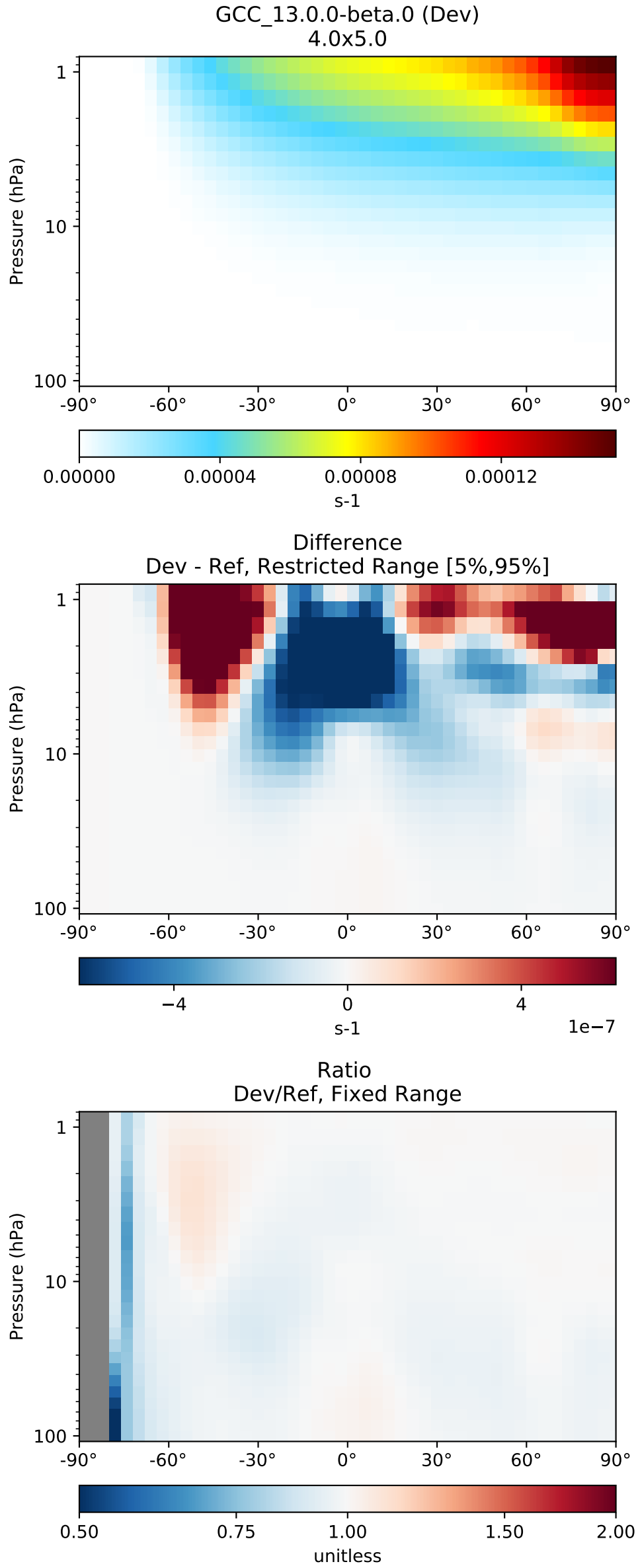
Jval_OIO, Zonal Mean



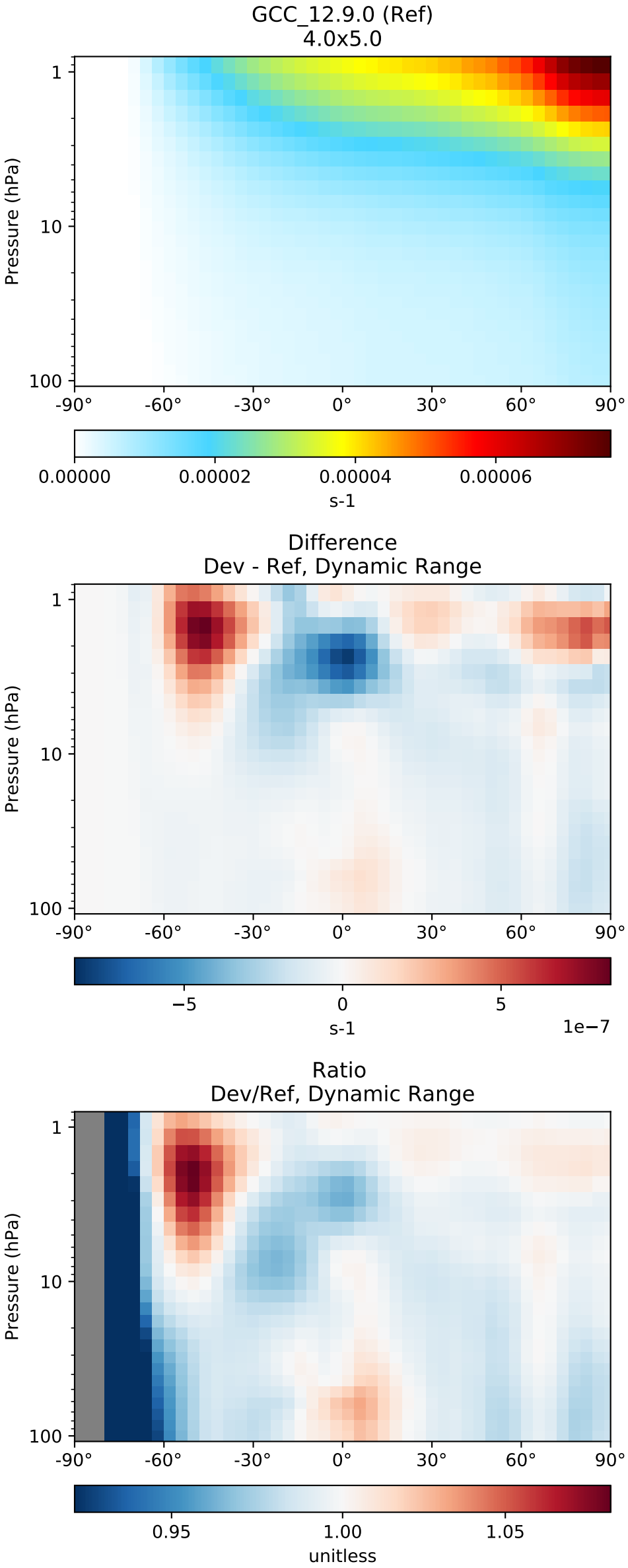


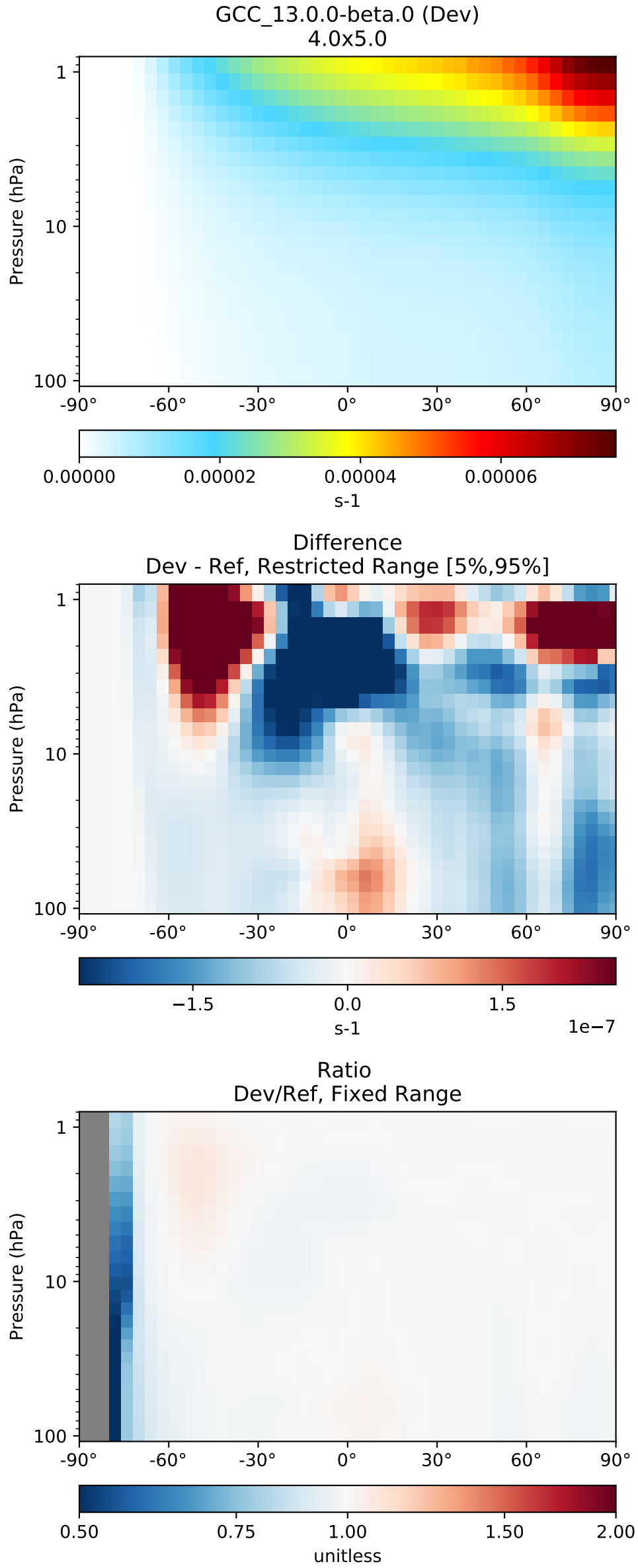
Jval_PAN, Zonal Mean



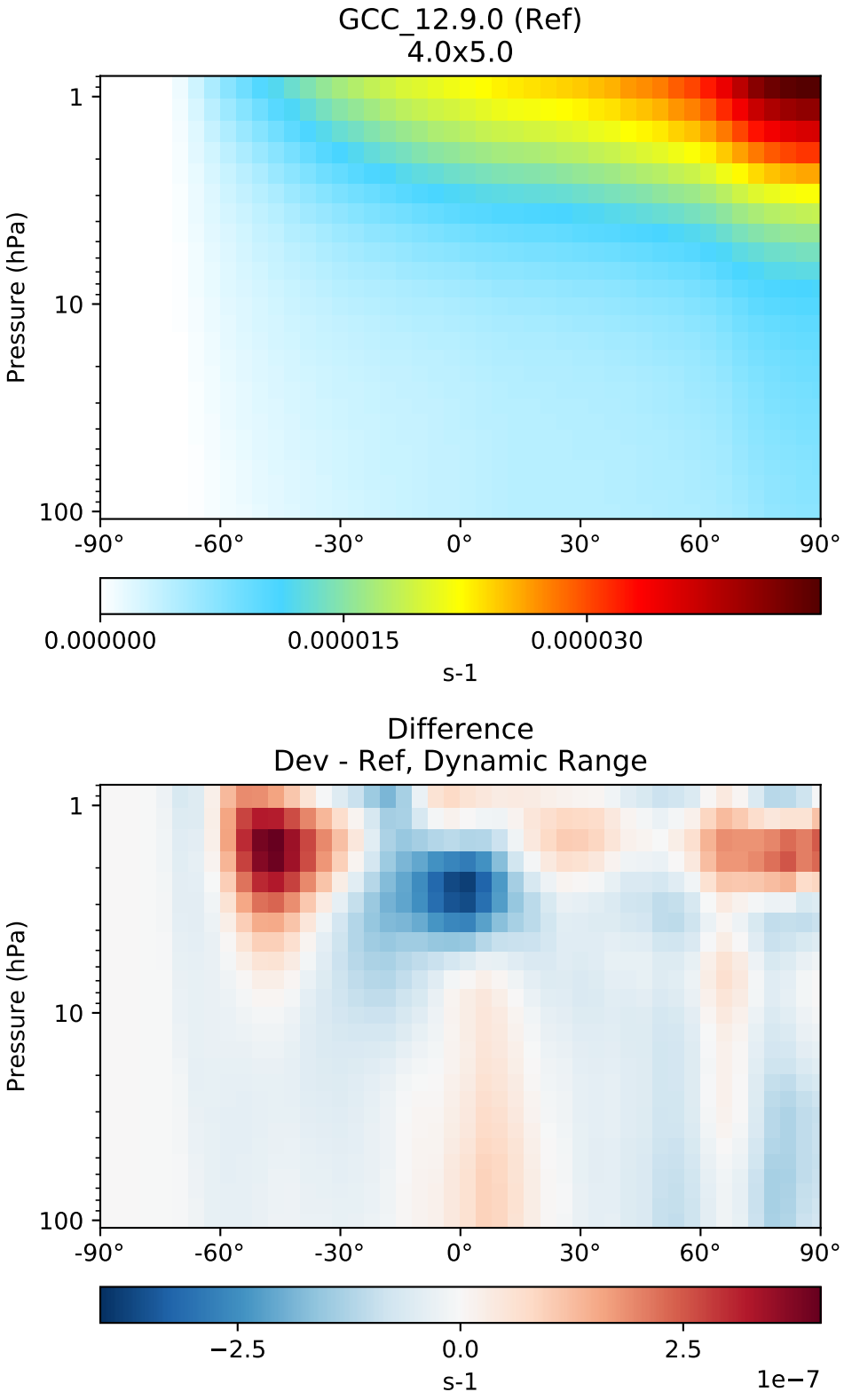


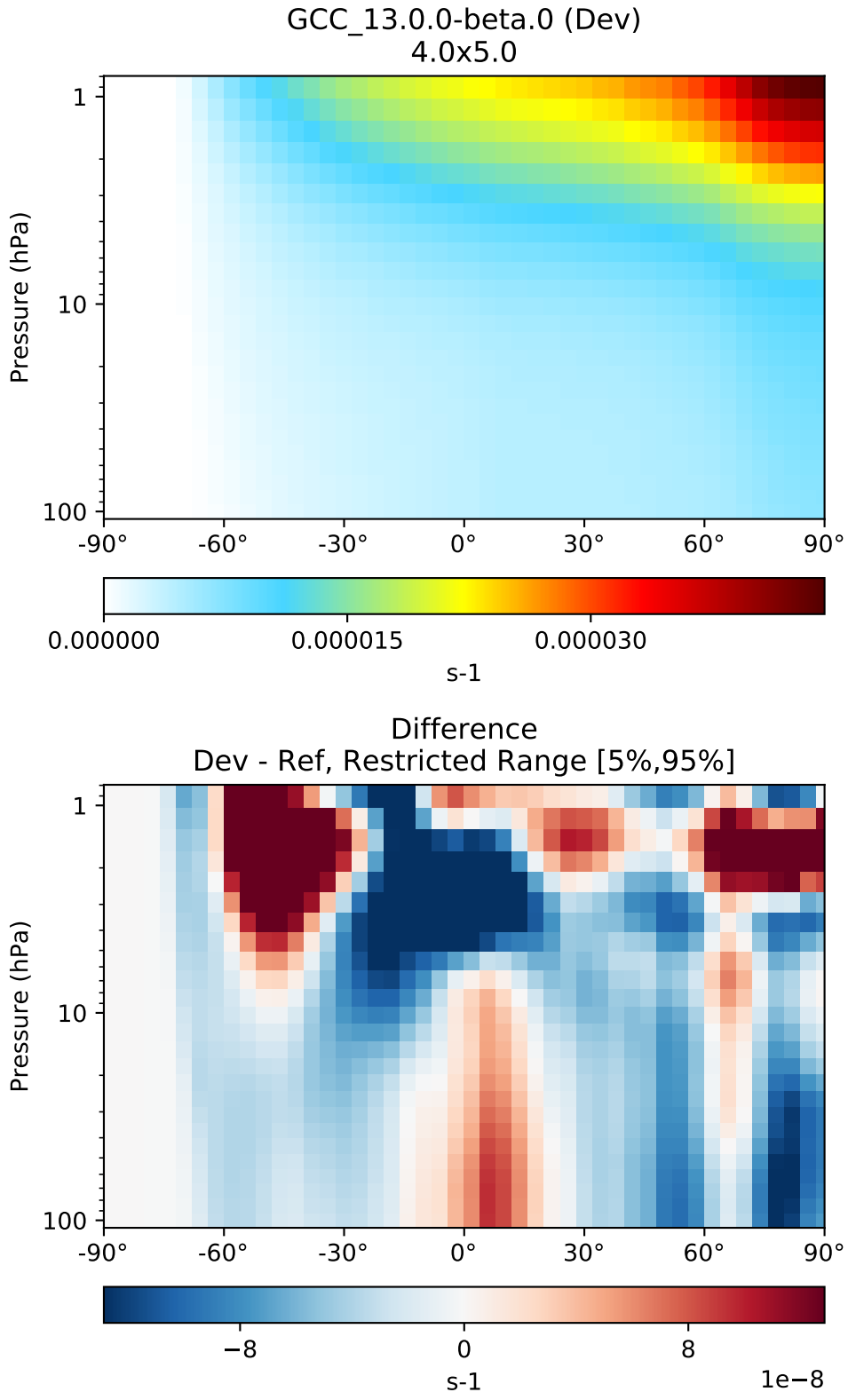
Jval_PIP, Zonal Mean

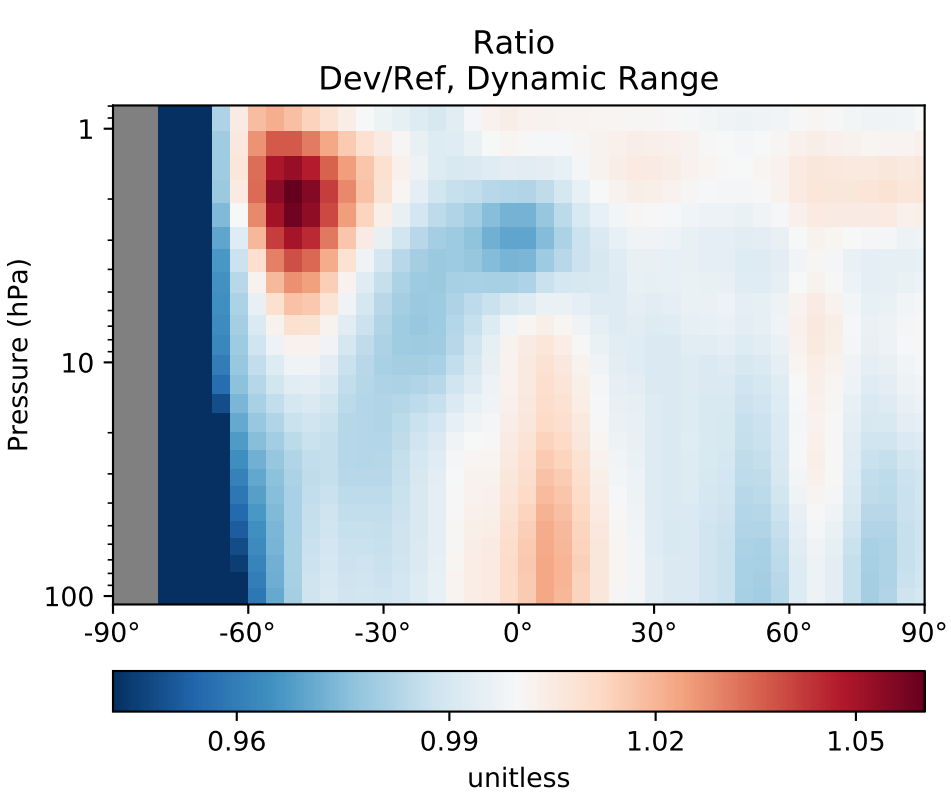


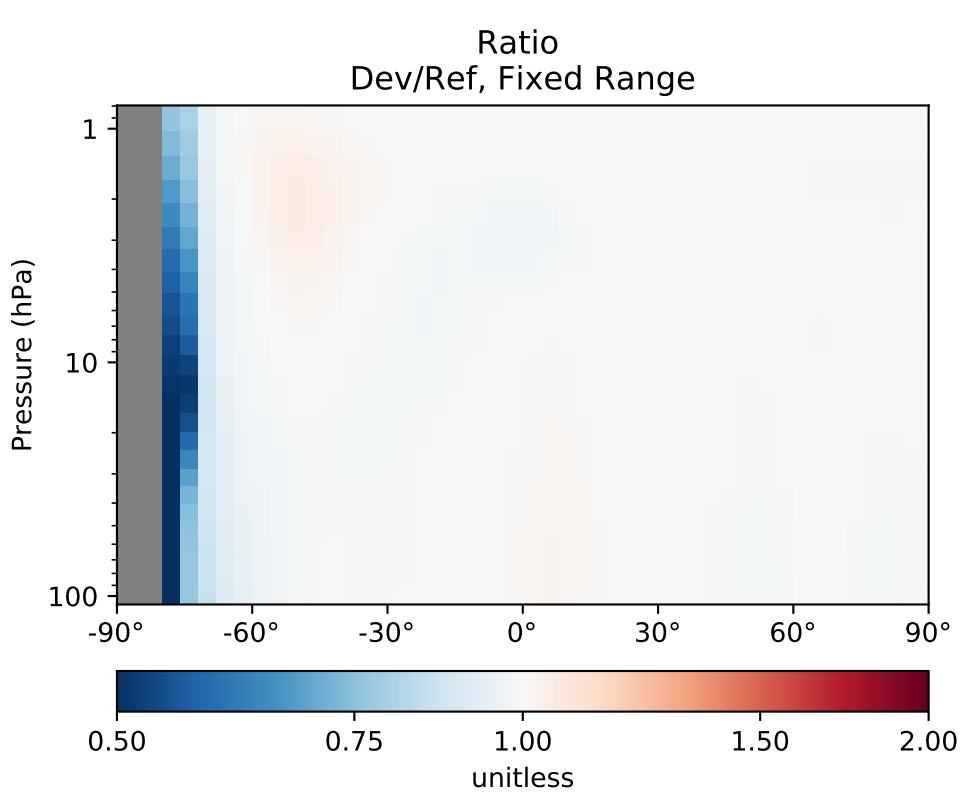


Jval_PP, Zonal Mean

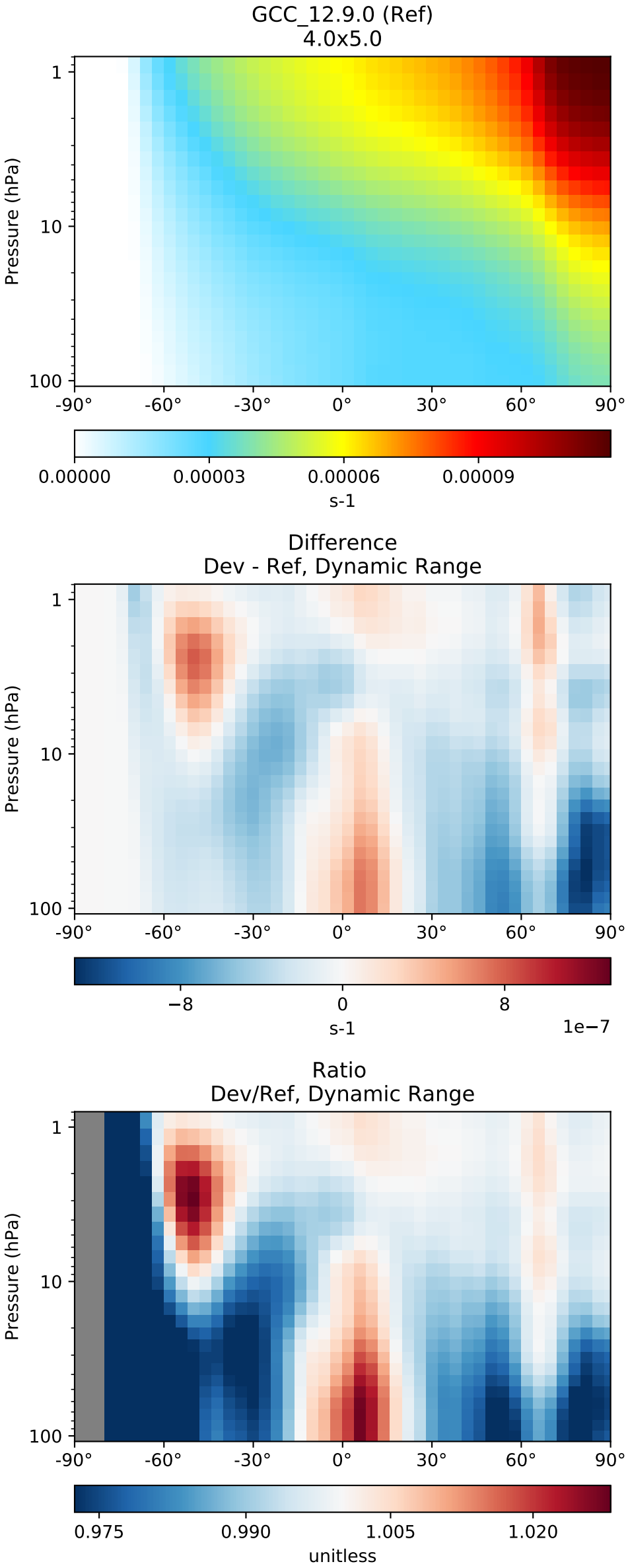


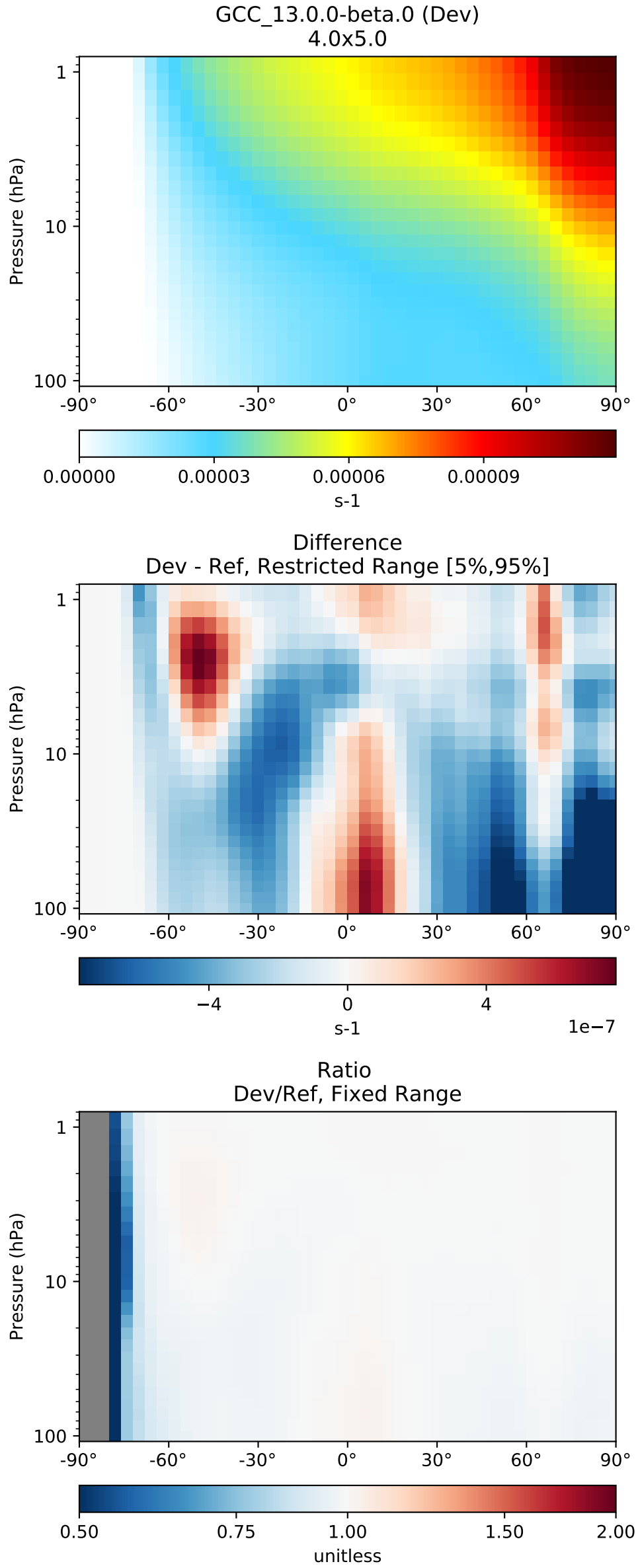




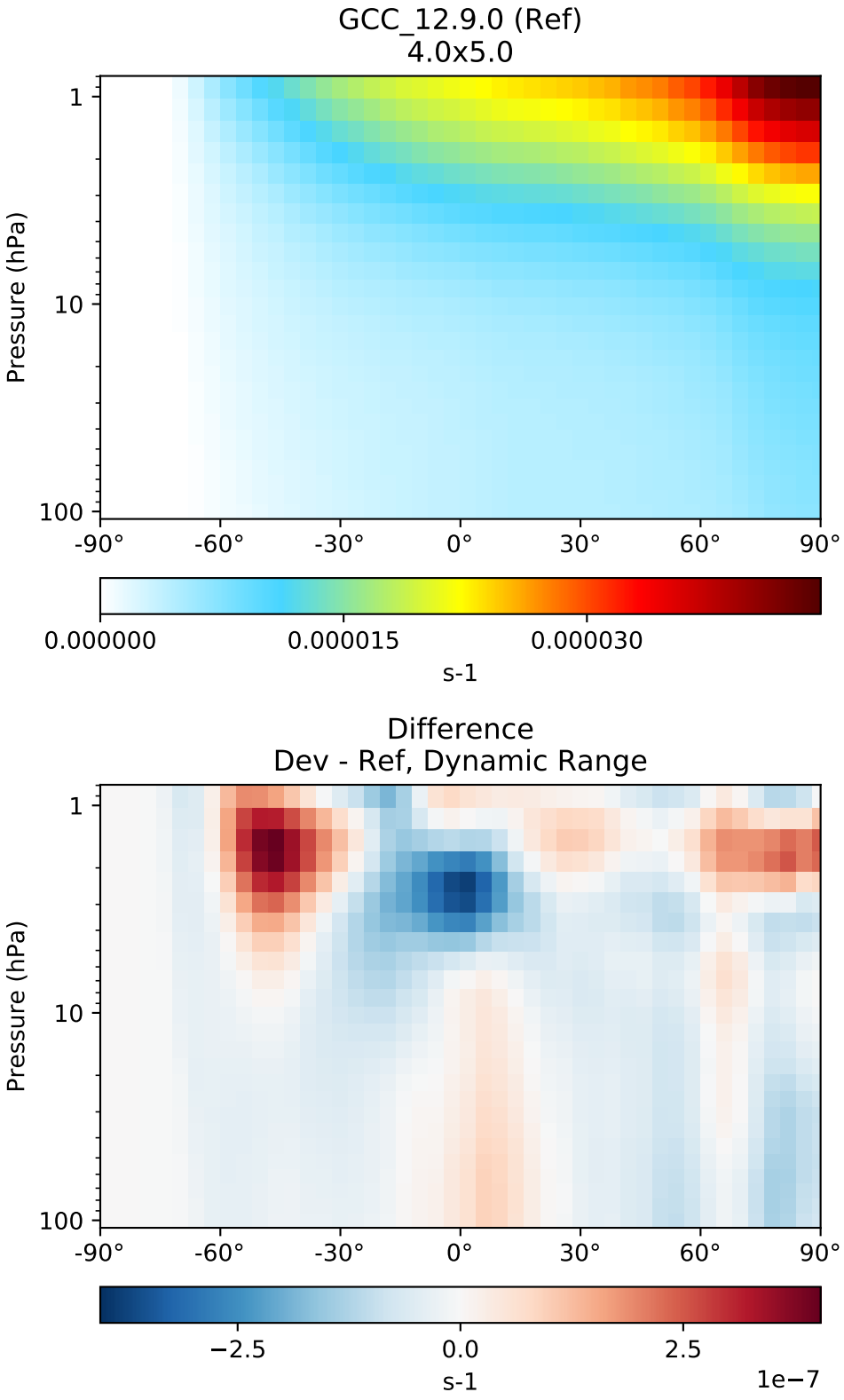


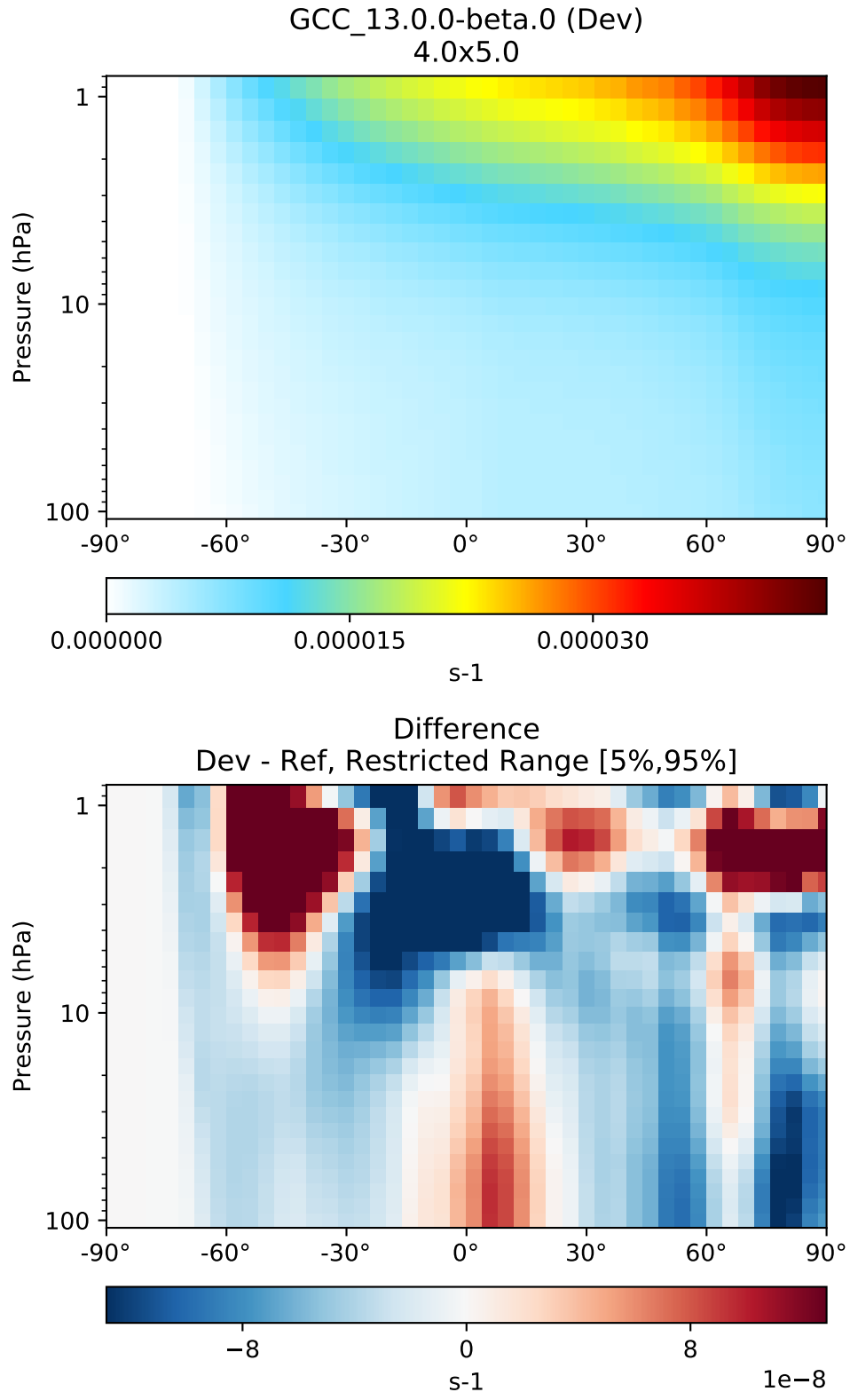
Jval_PROPNN, Zonal Mean

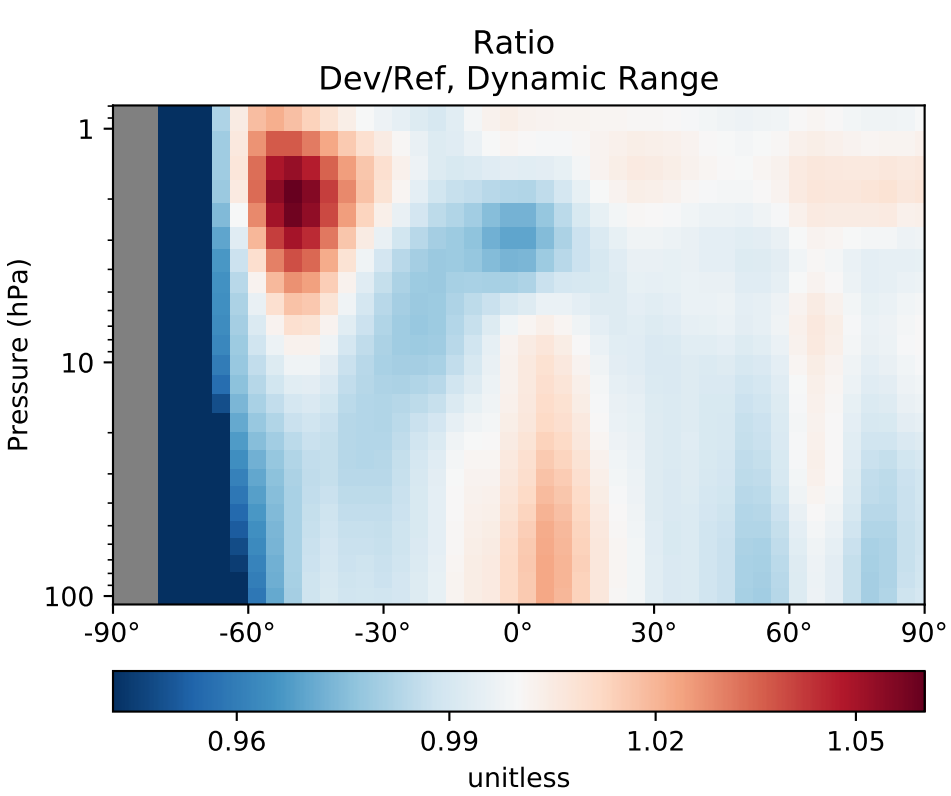


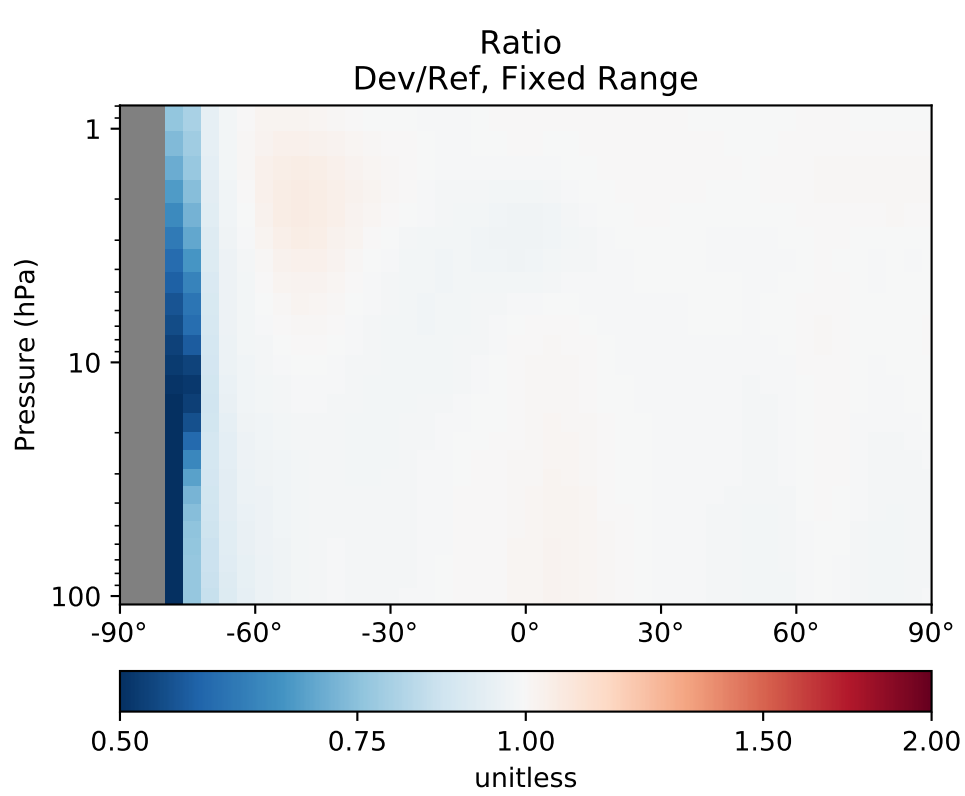


Jval_PRPN, Zonal Mean

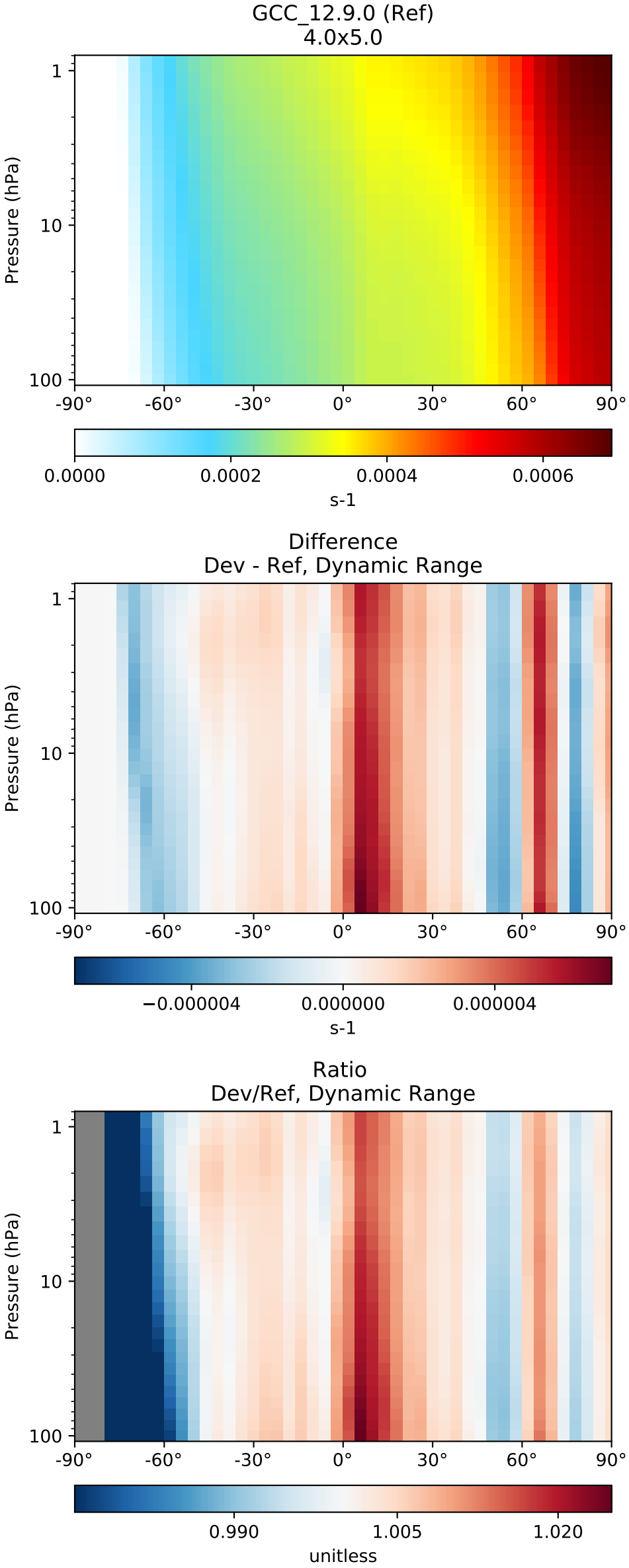


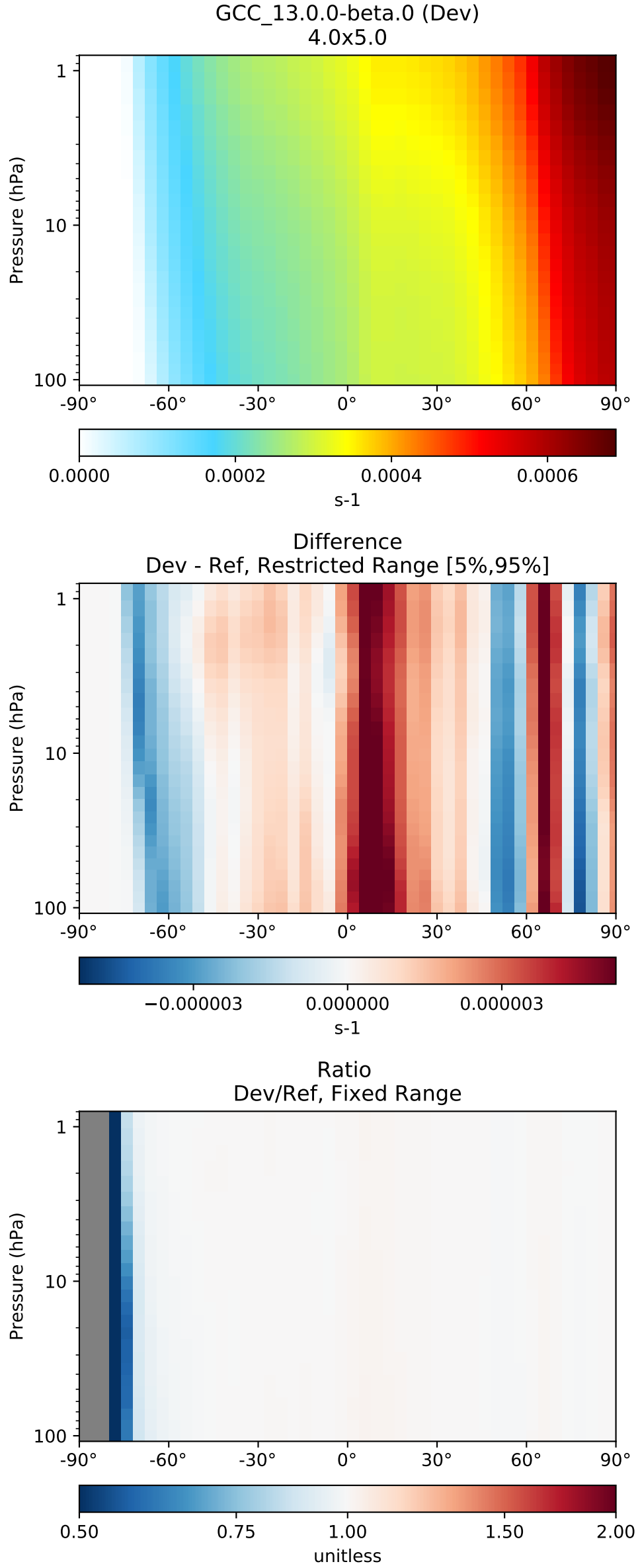






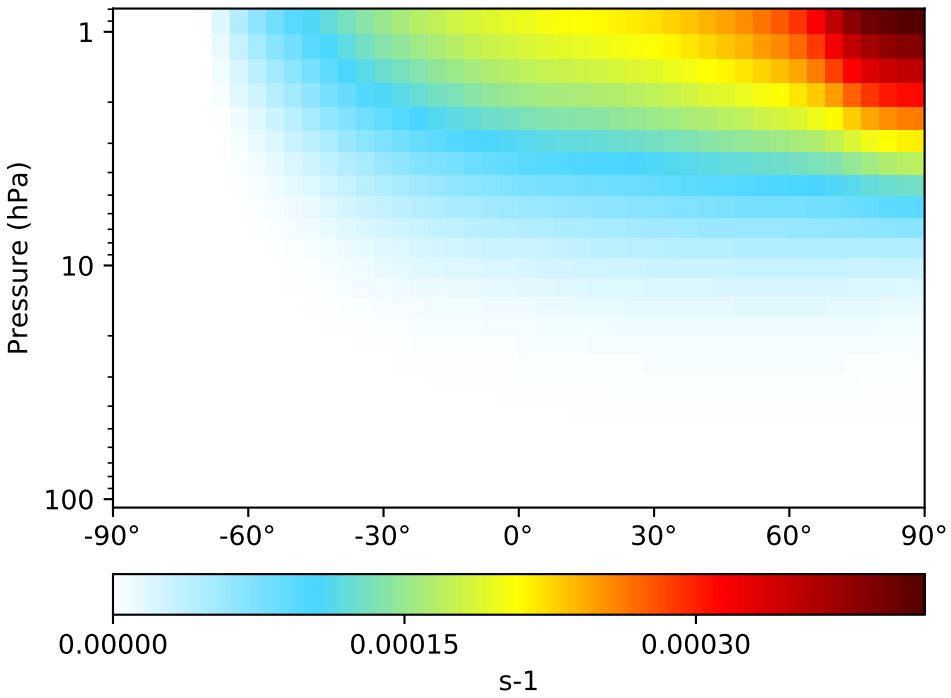
Jval_PYAC, Zonal Mean



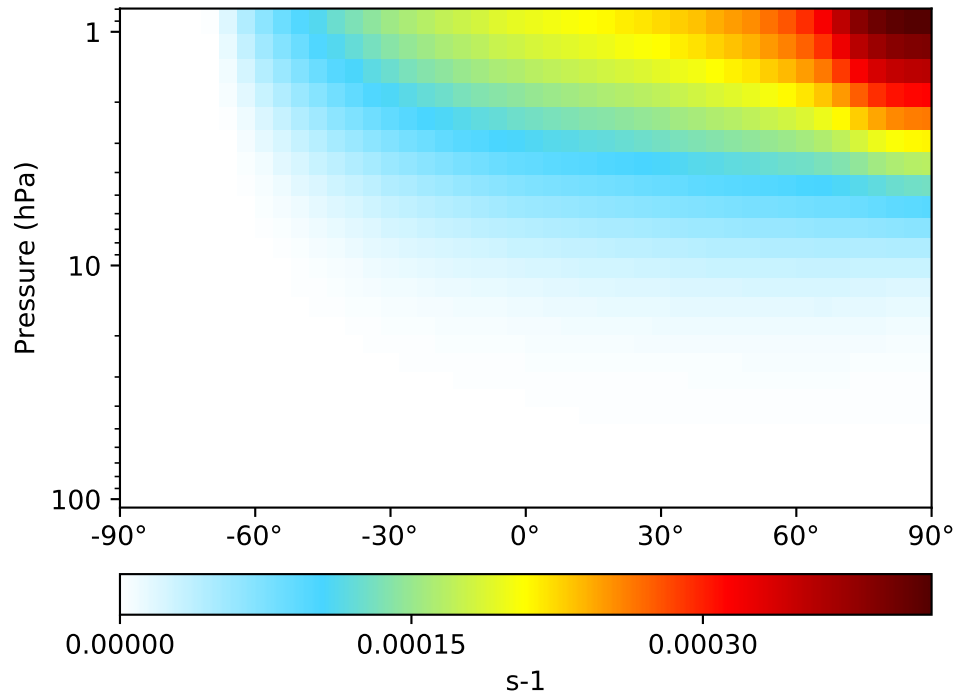


Jval_R4N2, Zonal Mean

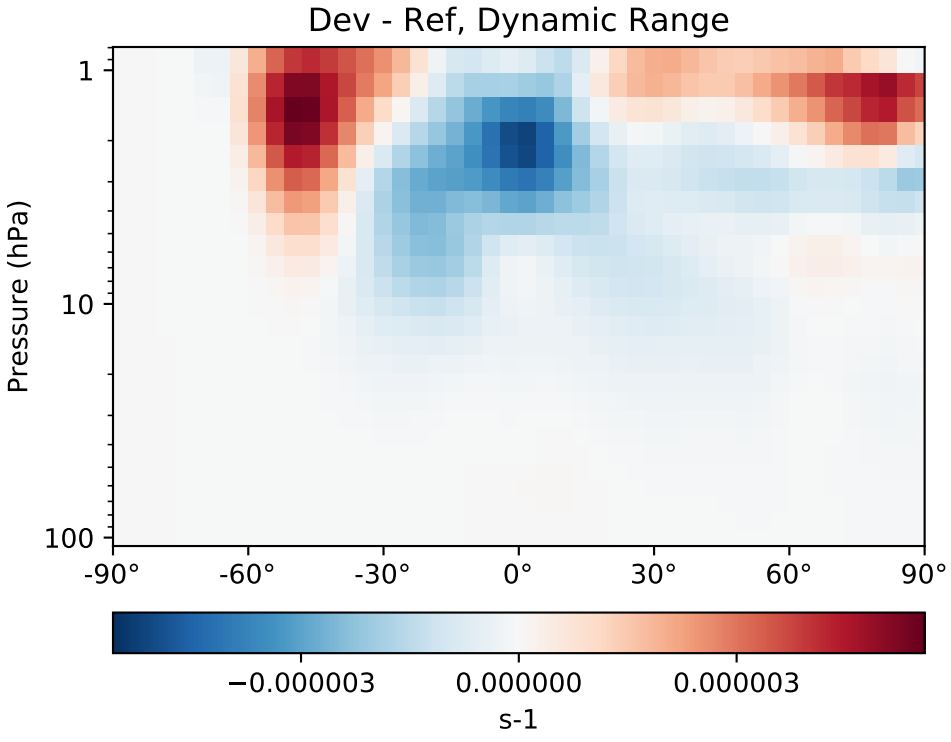
GCC_12.9.0 (Ref)
4.0x5.0



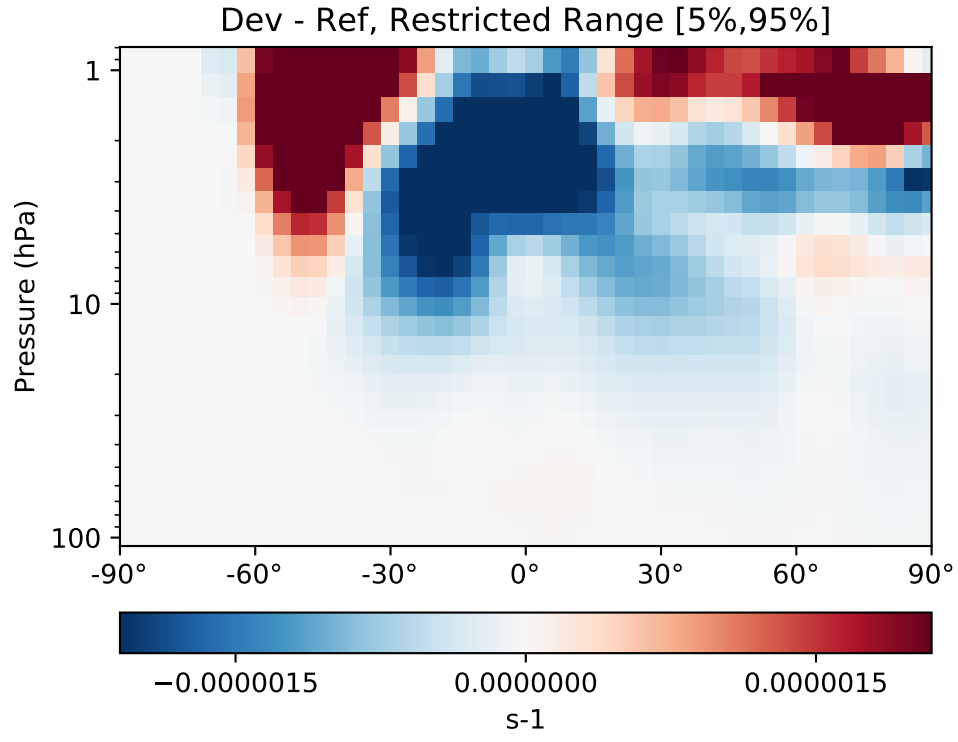
GCC_13.0.0-beta.0 (Dev)
4.0x5.0



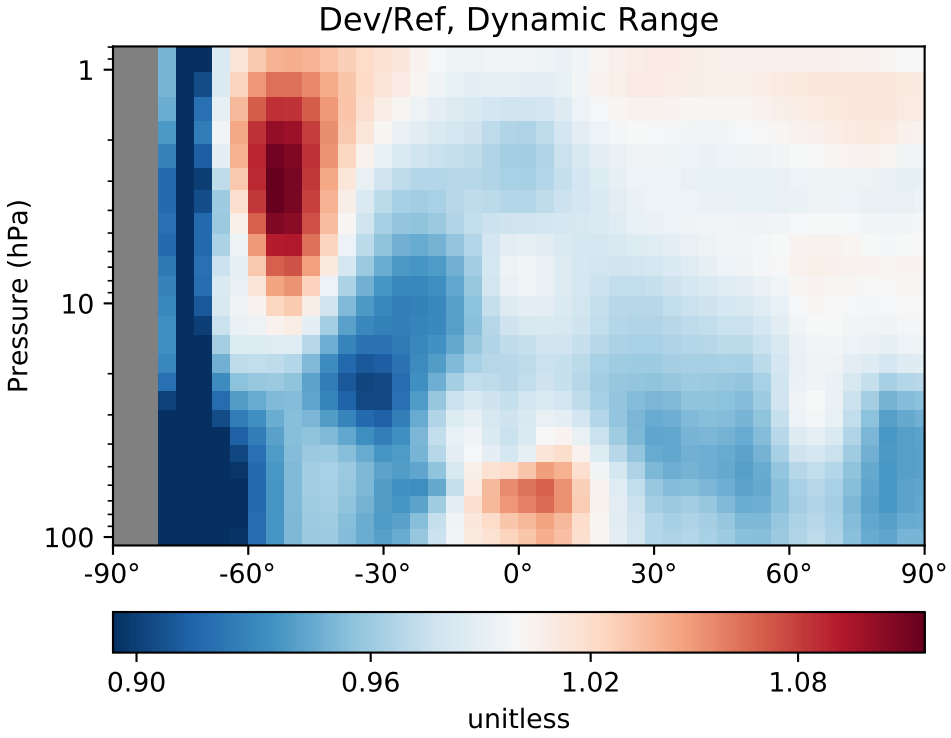
Difference
Dev - Ref, Dynamic Range



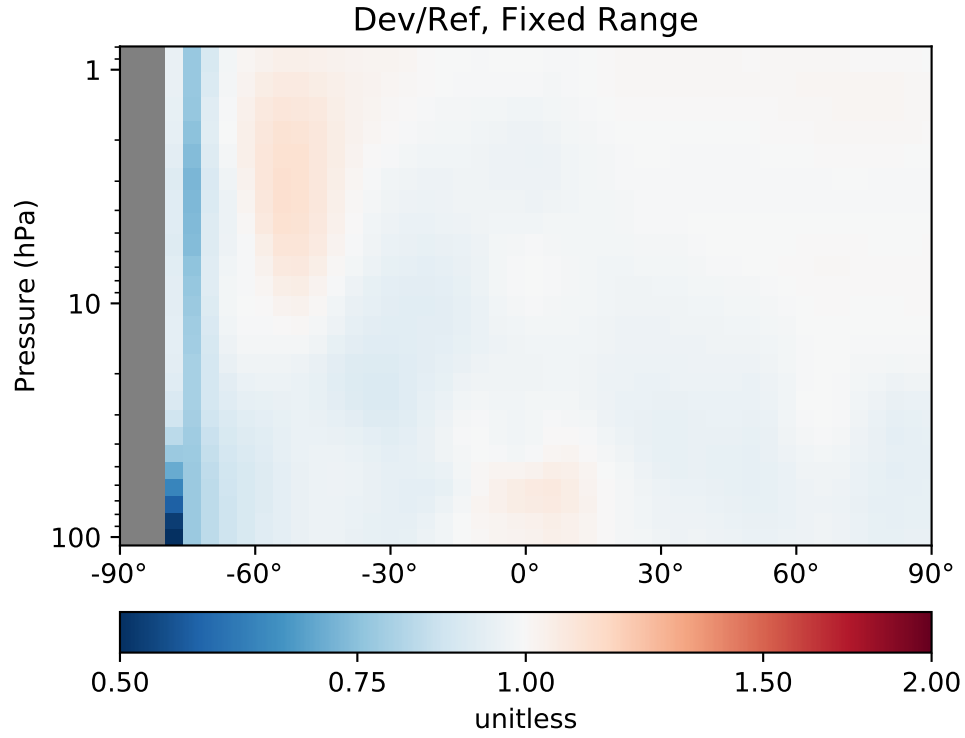
Difference
Dev - Ref, Restricted Range [5%,95%]



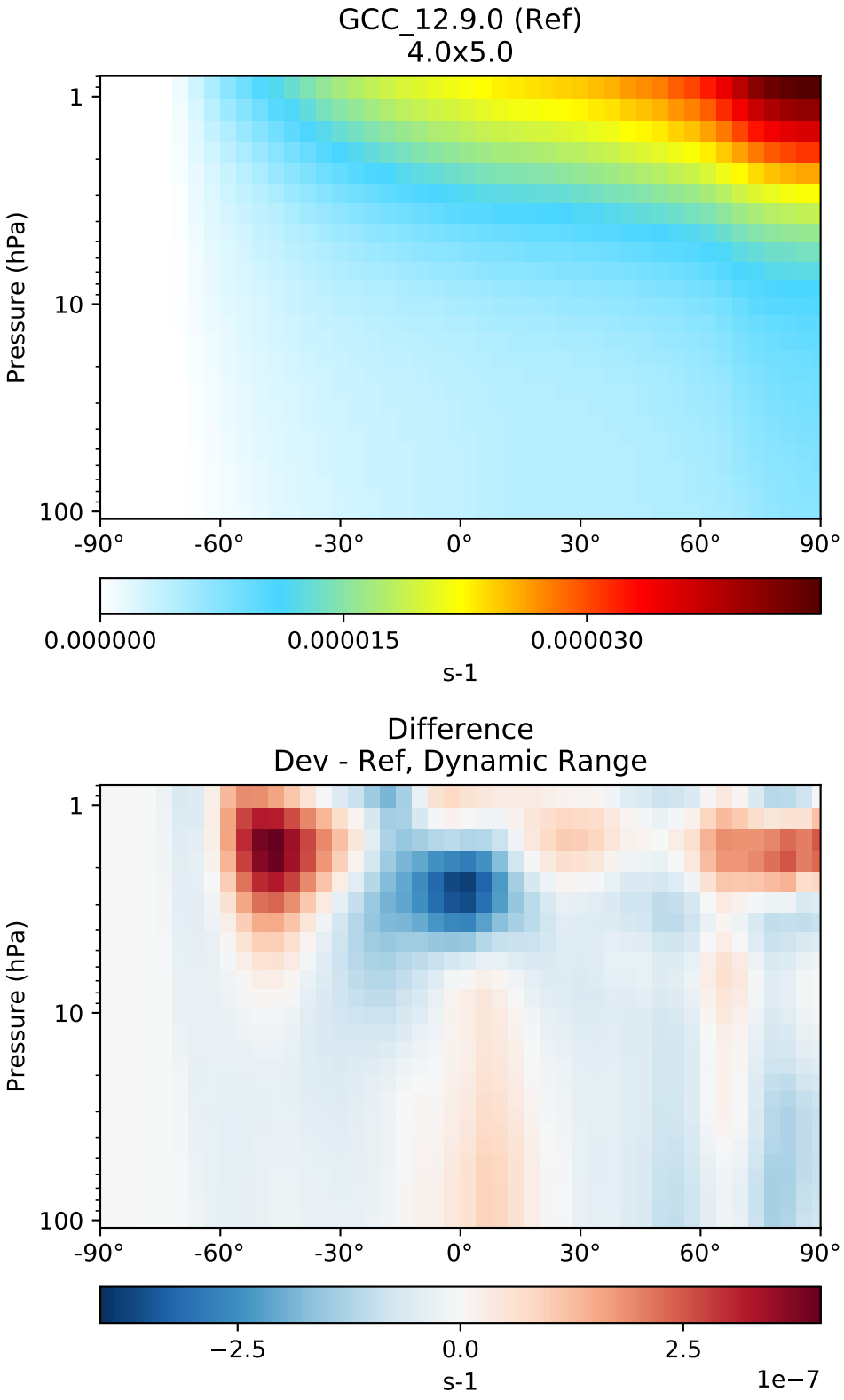
Ratio
Dev/Ref, Dynamic Range

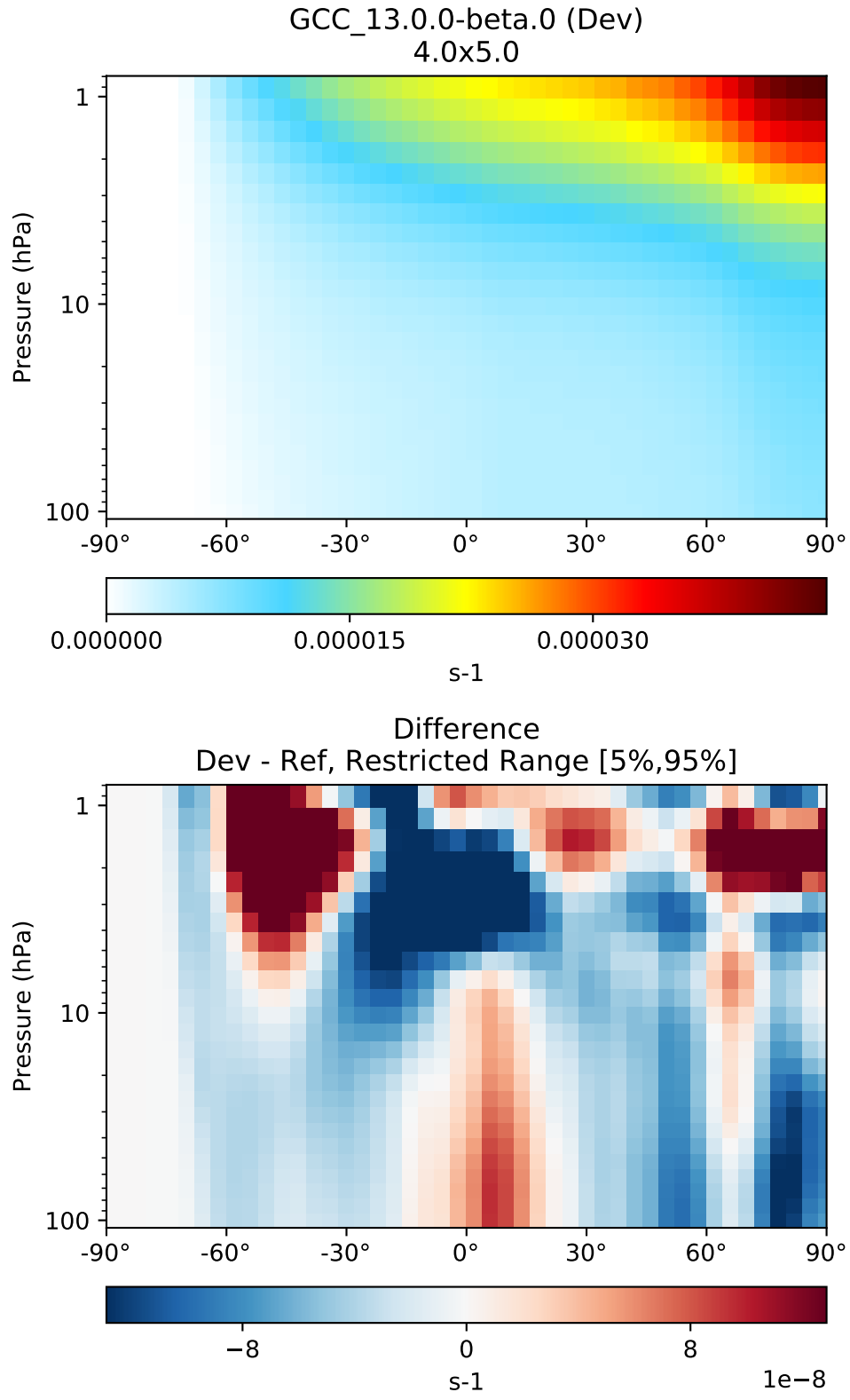


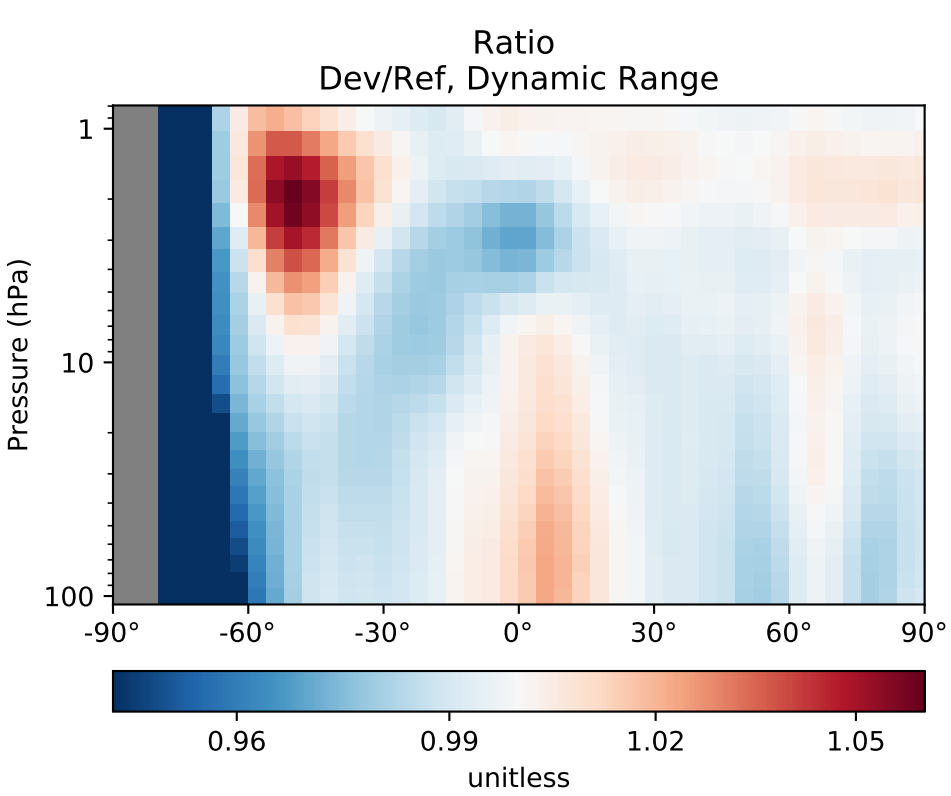
Ratio
Dev/Ref, Fixed Range

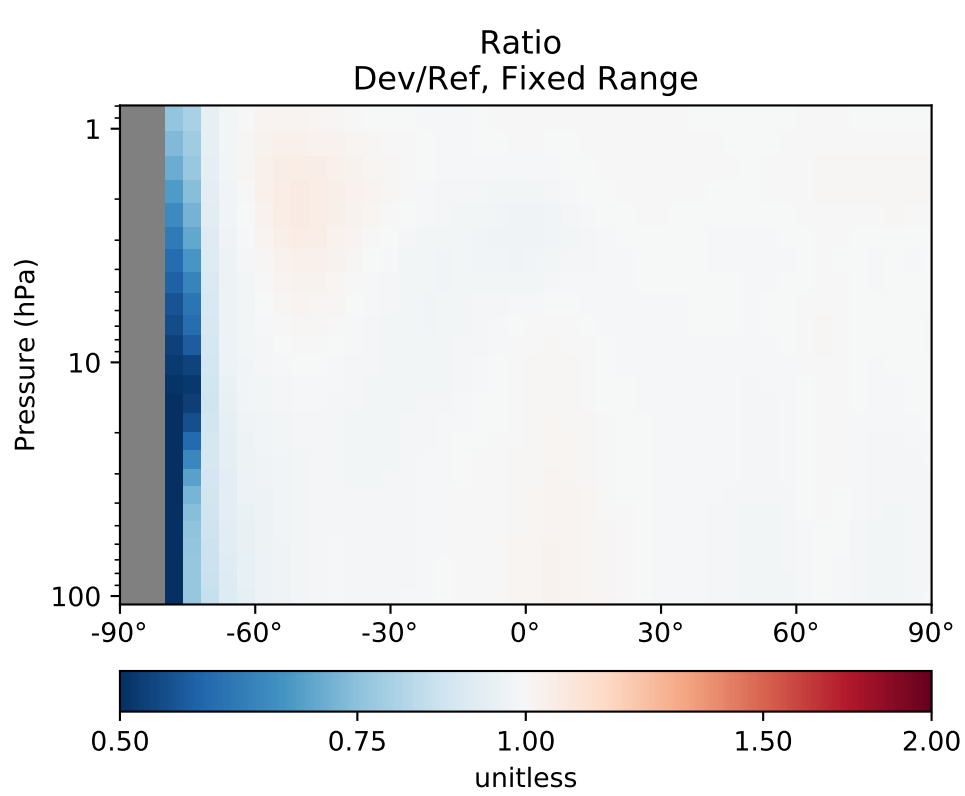


Jval_R4P, Zonal Mean

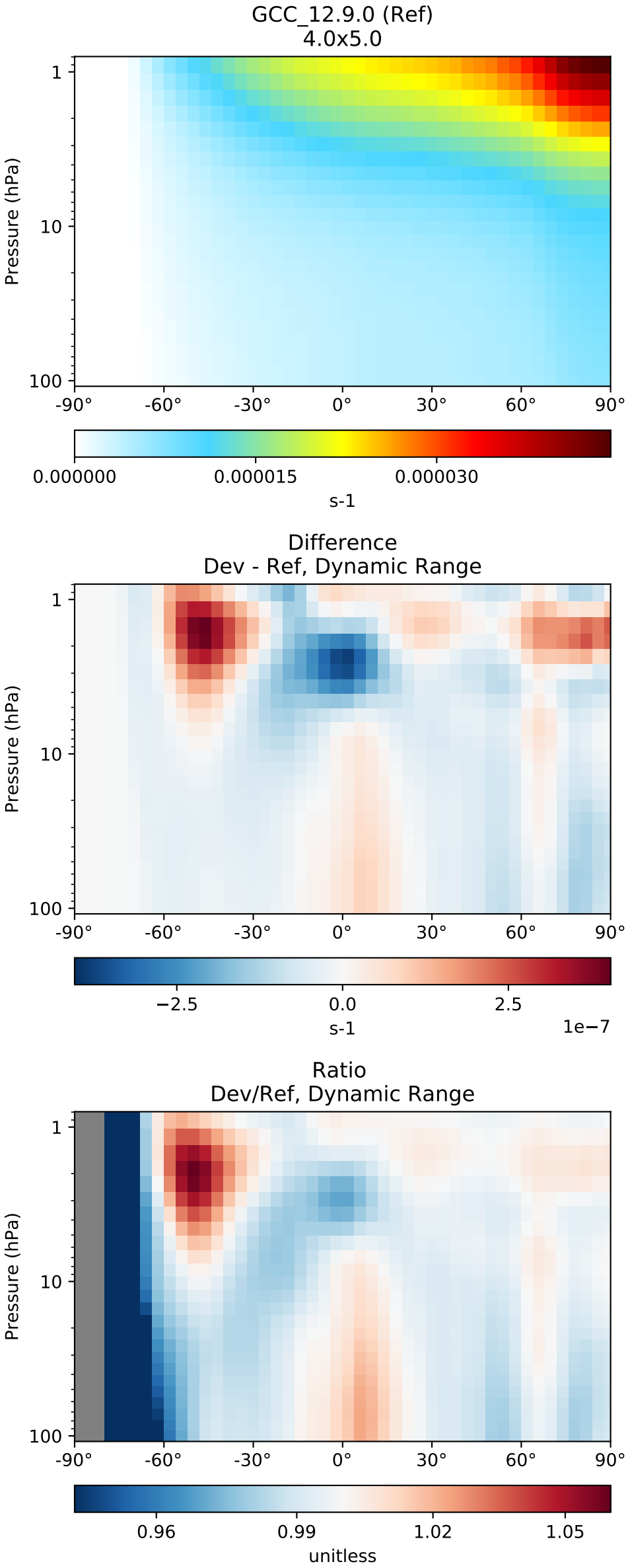


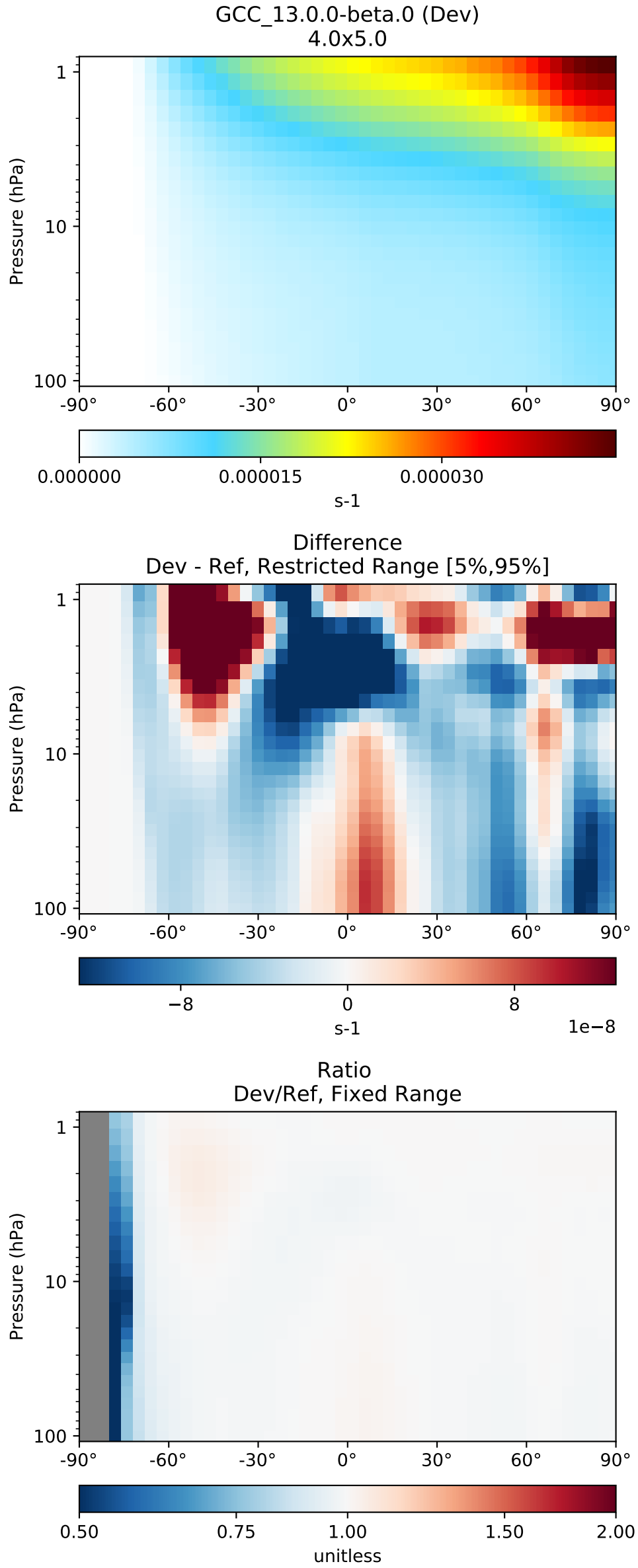




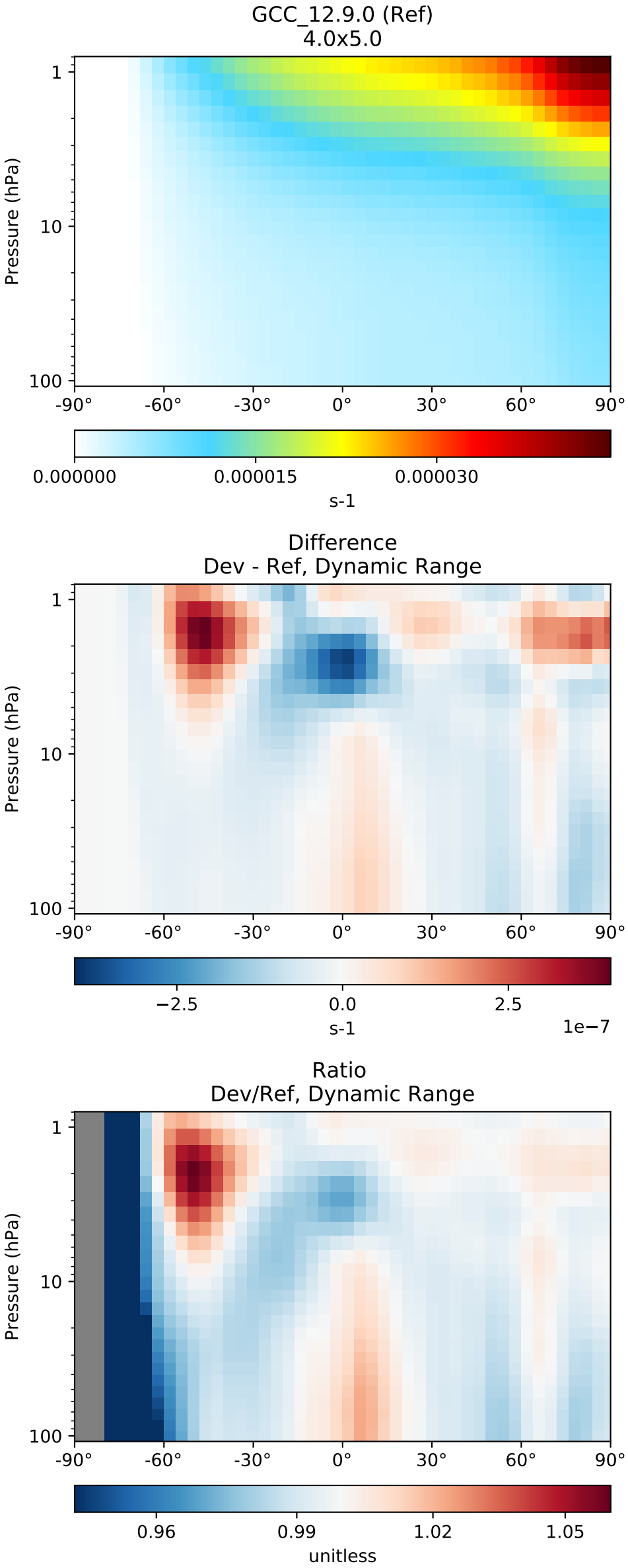


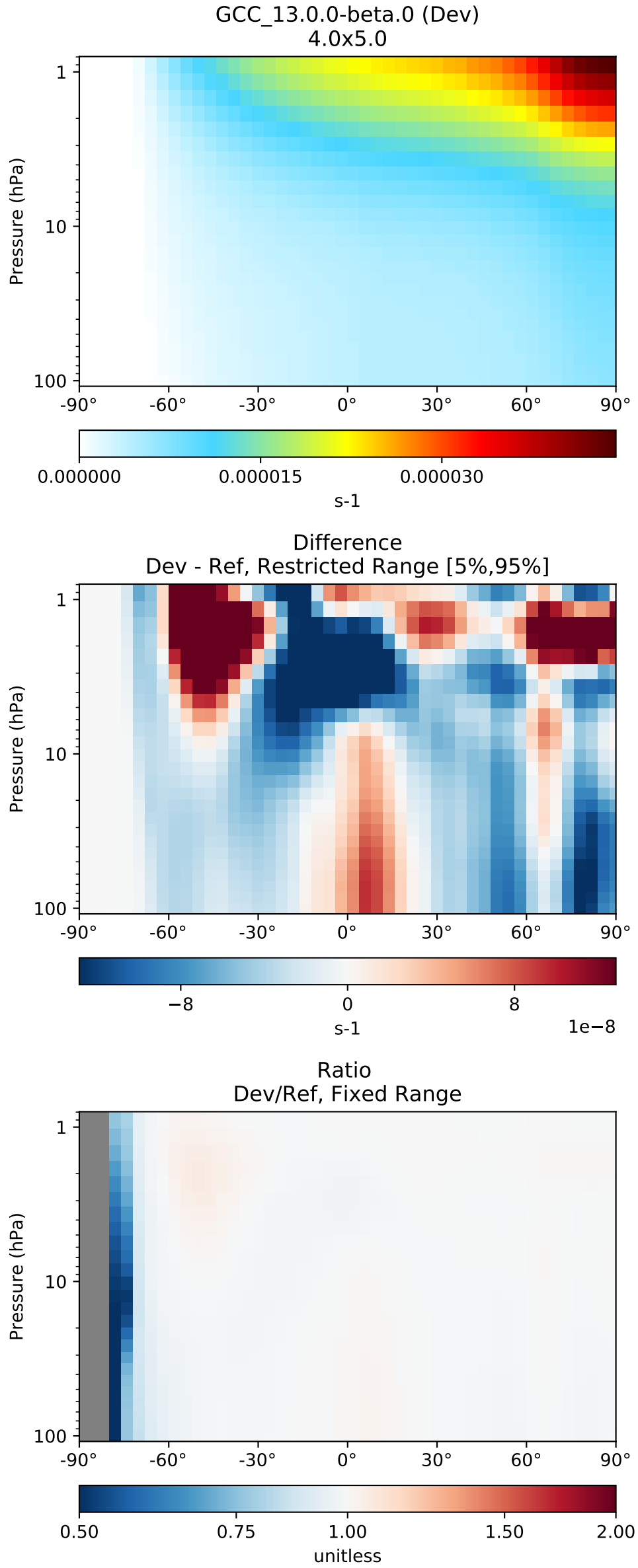
Jval_RA3P, Zonal Mean



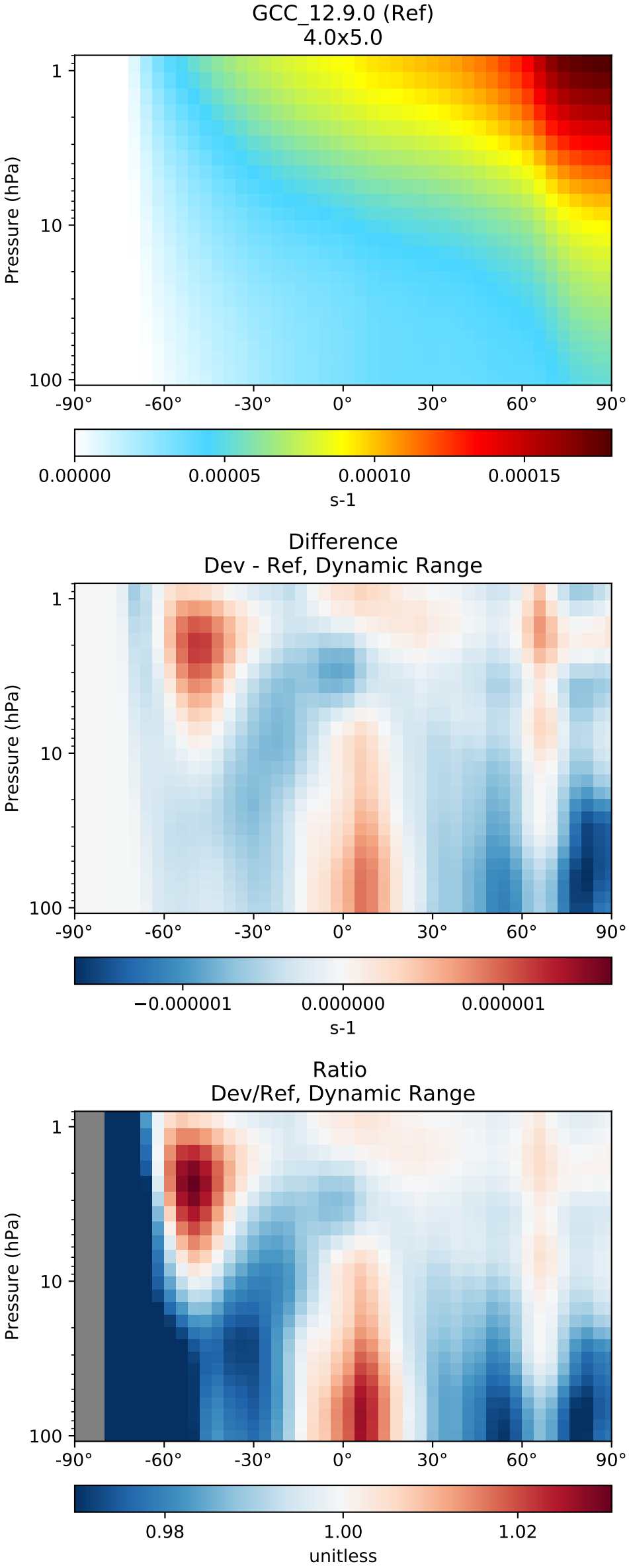


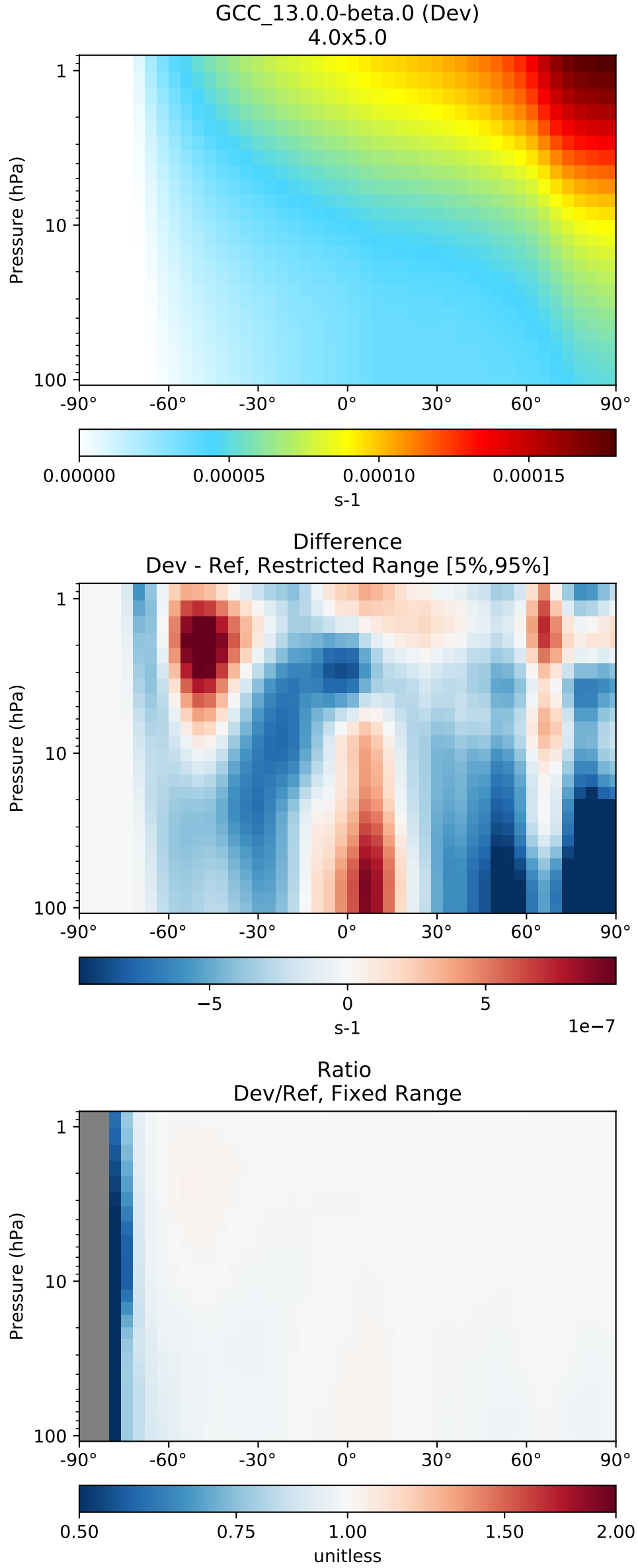
Jval_RB3P, Zonal Mean



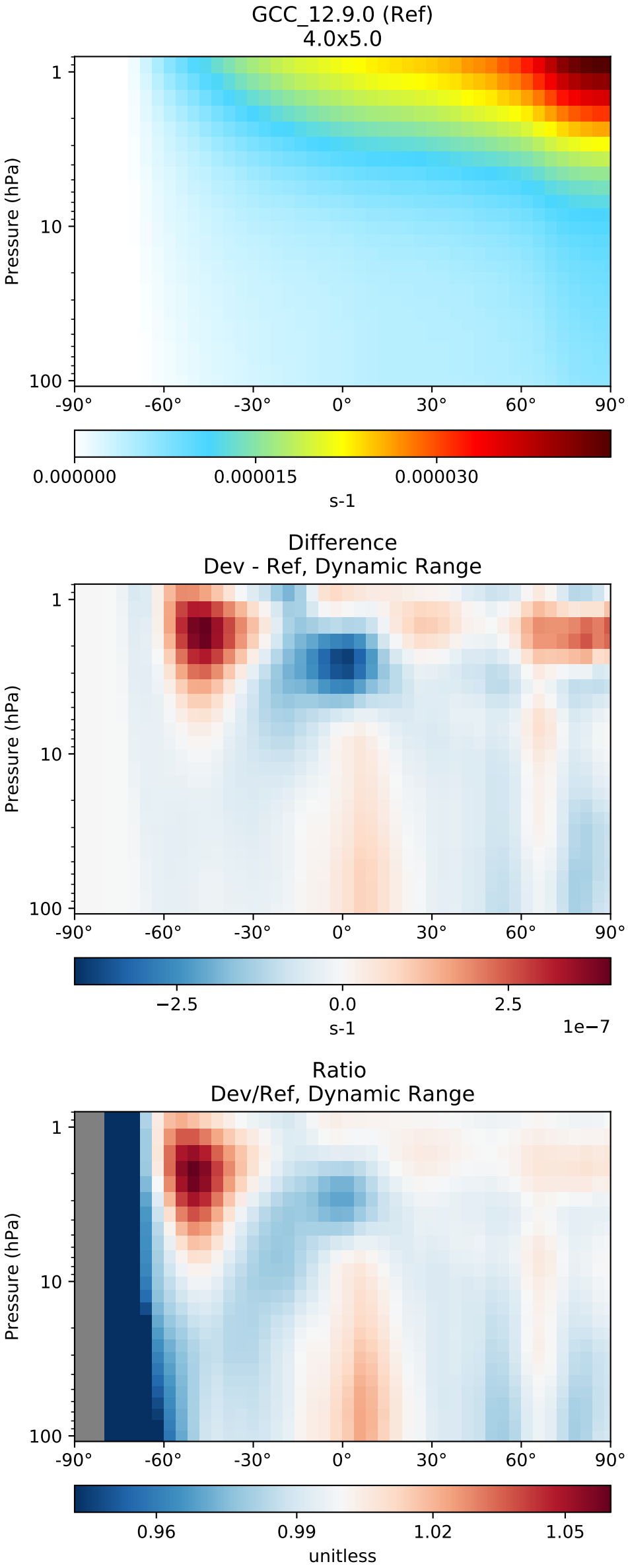


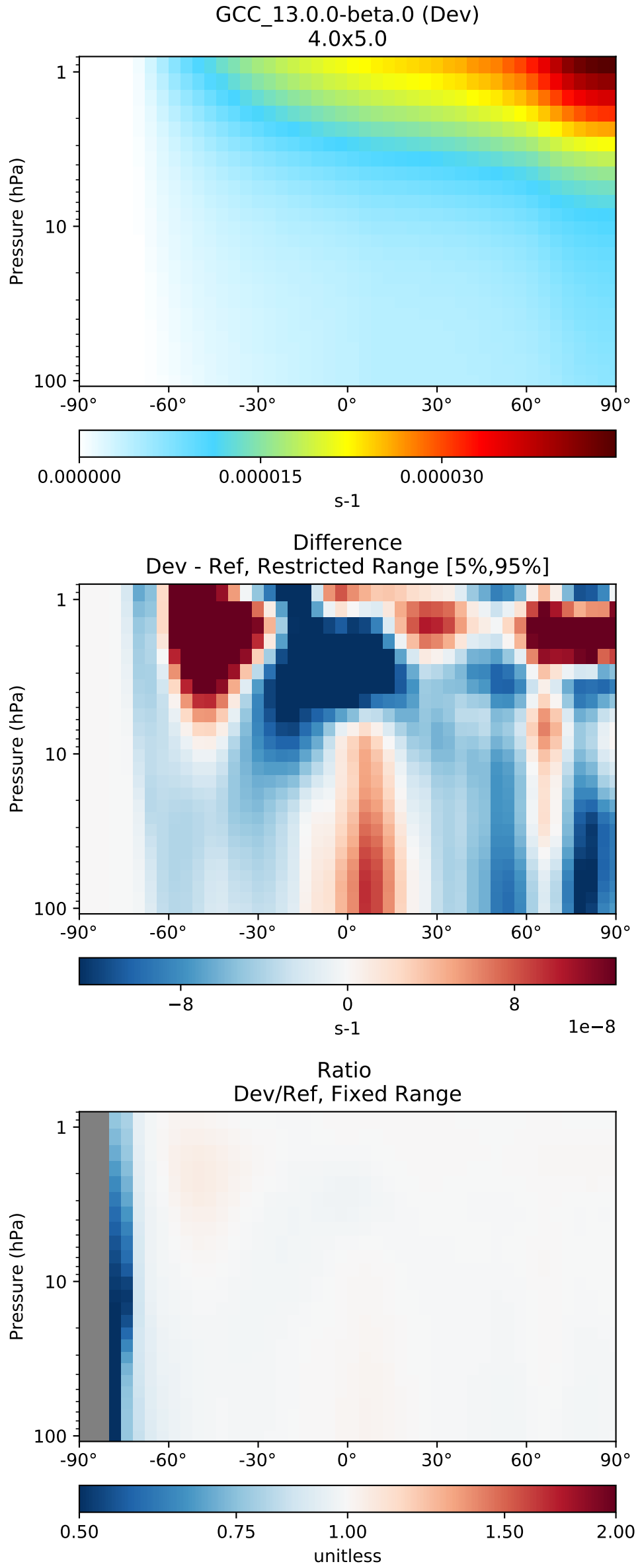
Jval_RCHO, Zonal Mean



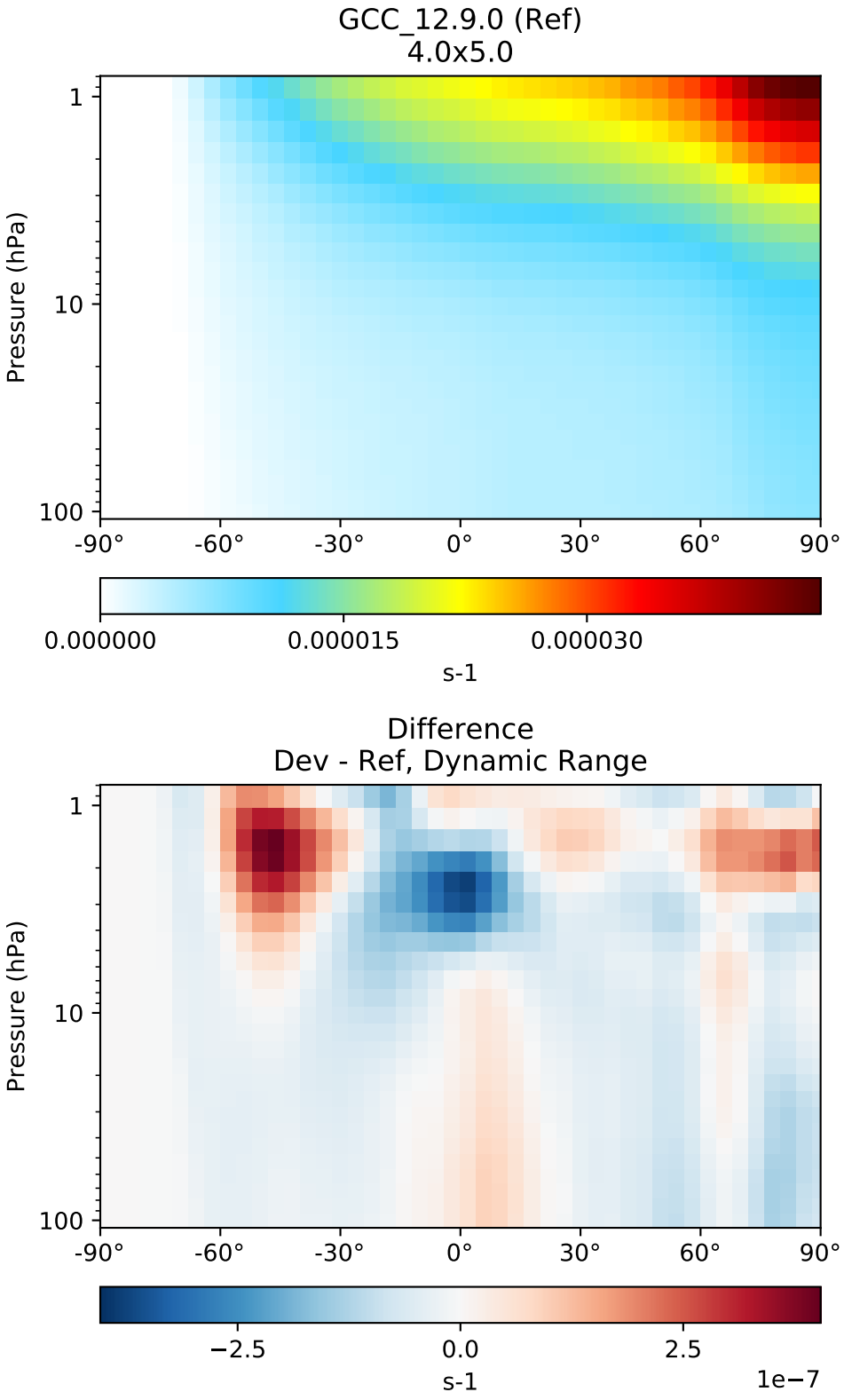


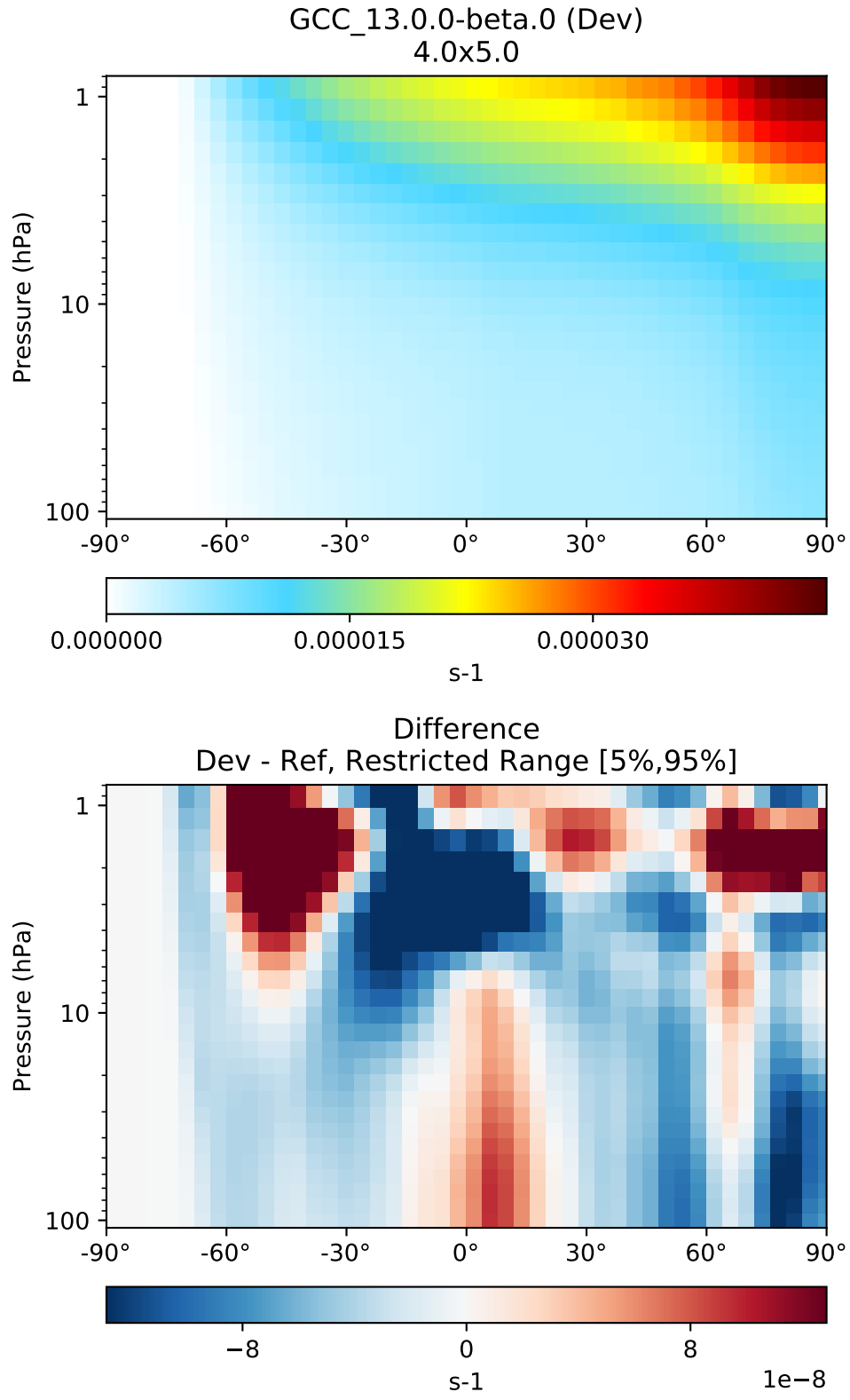
Jval_RIPA, Zonal Mean

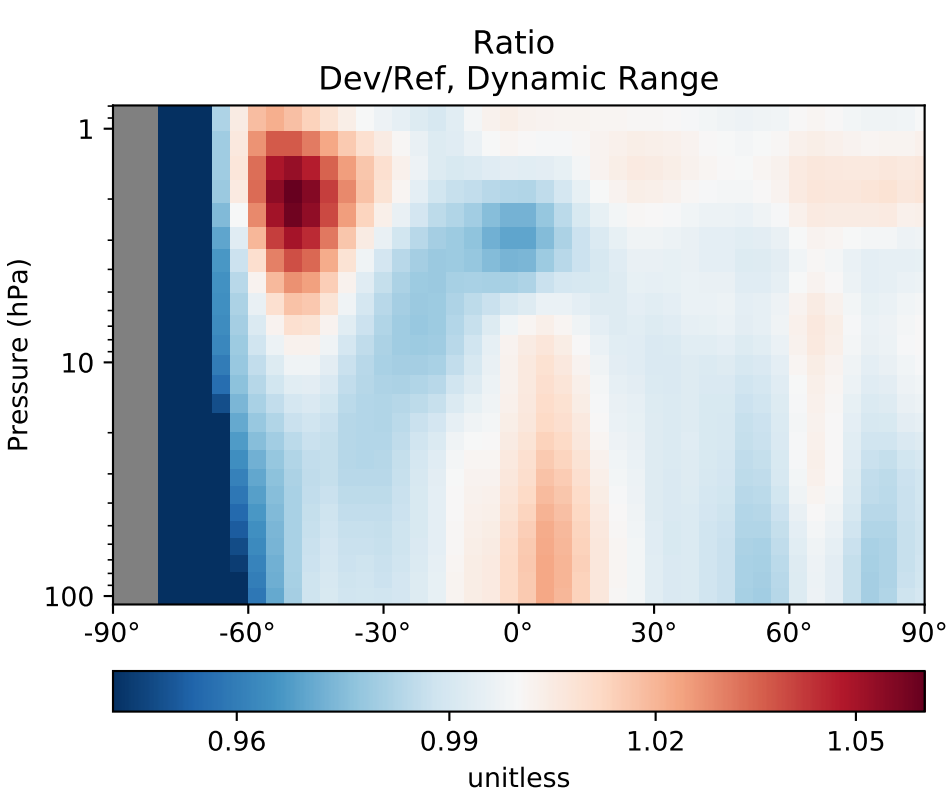


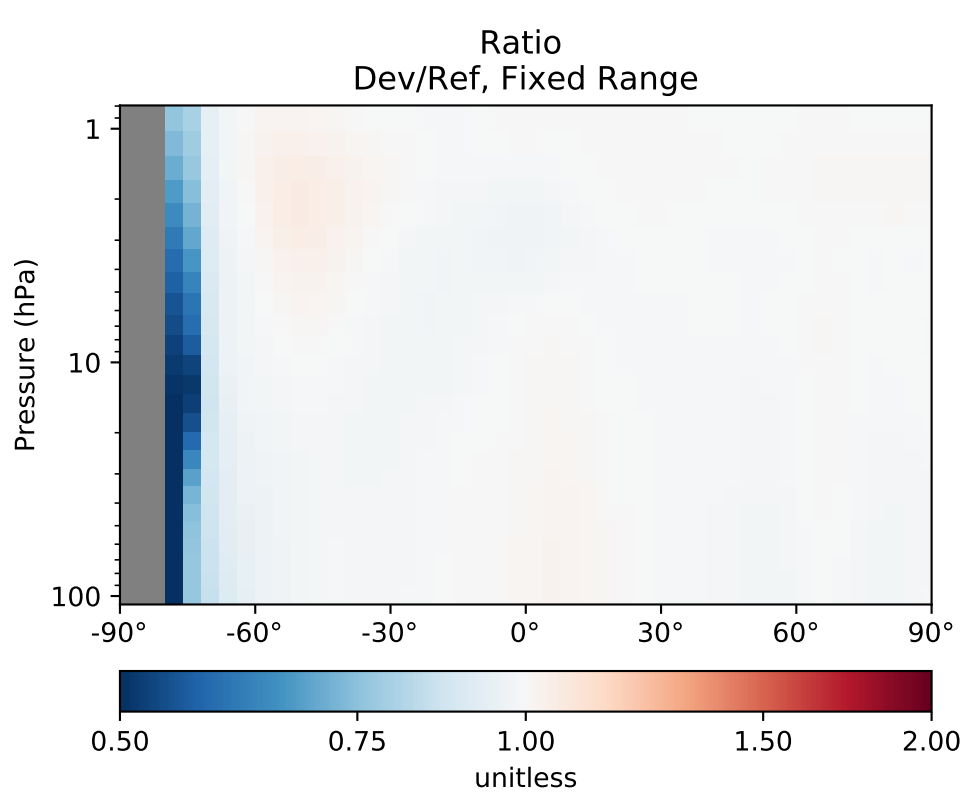


Jval_RIPB, Zonal Mean

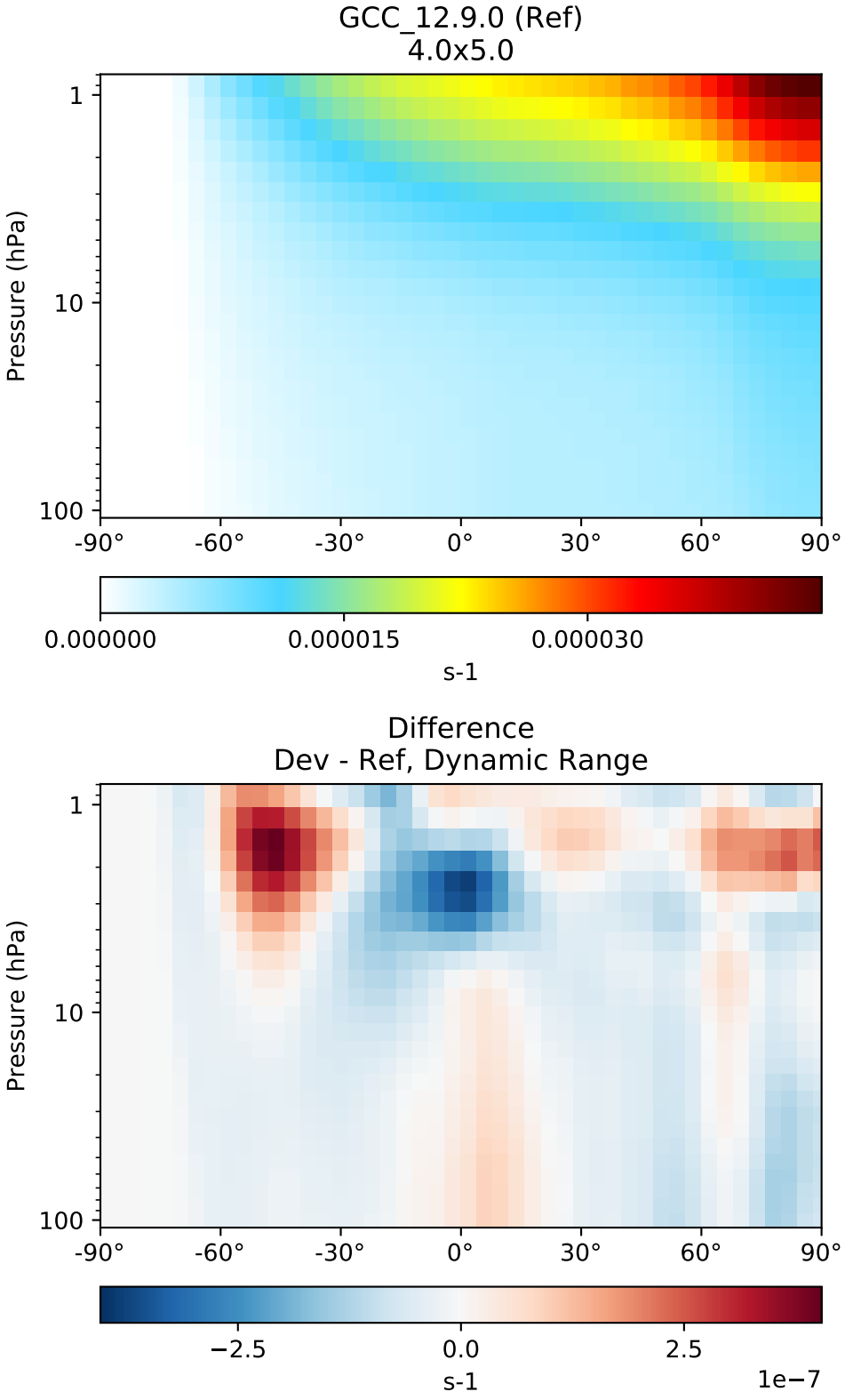


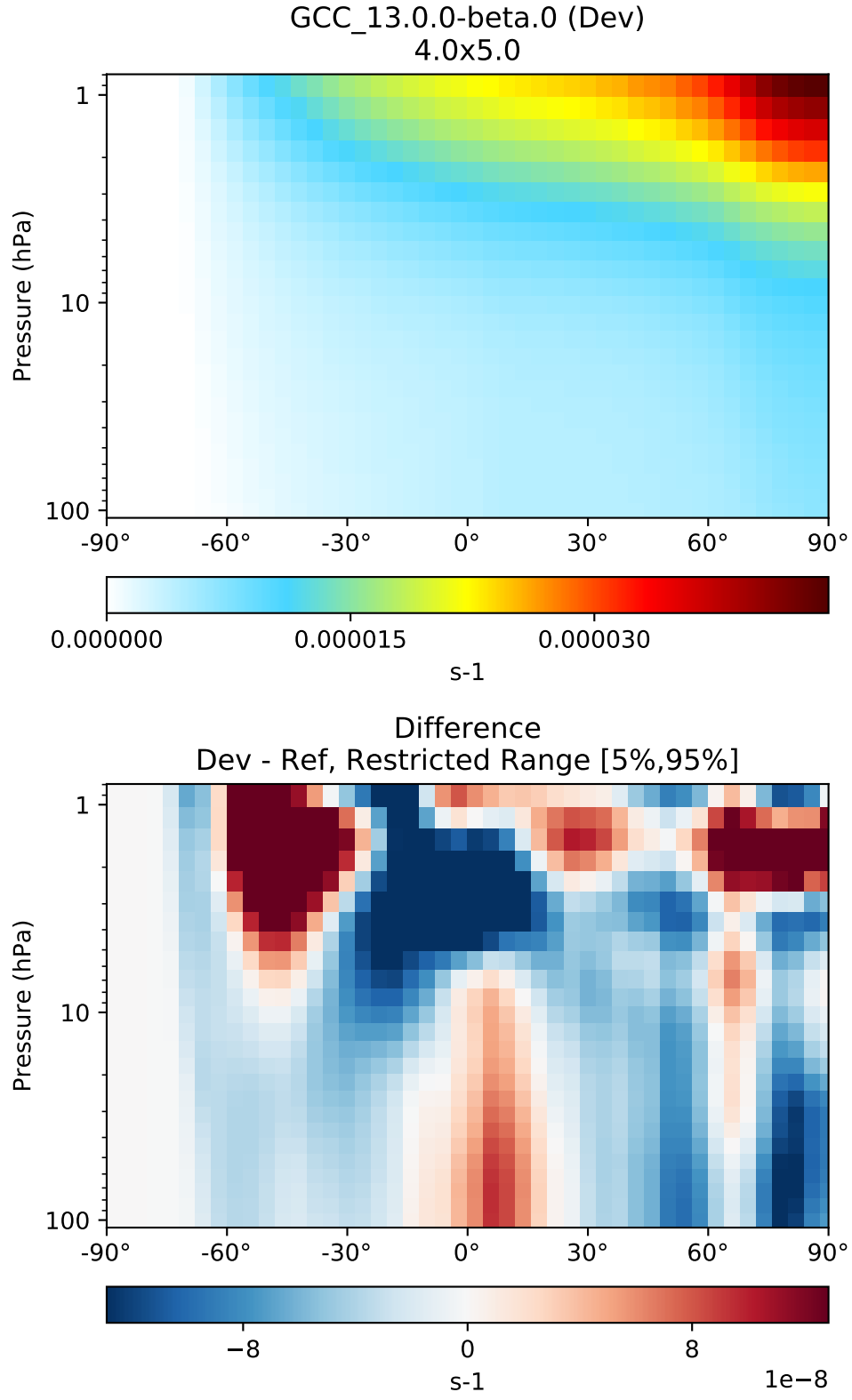


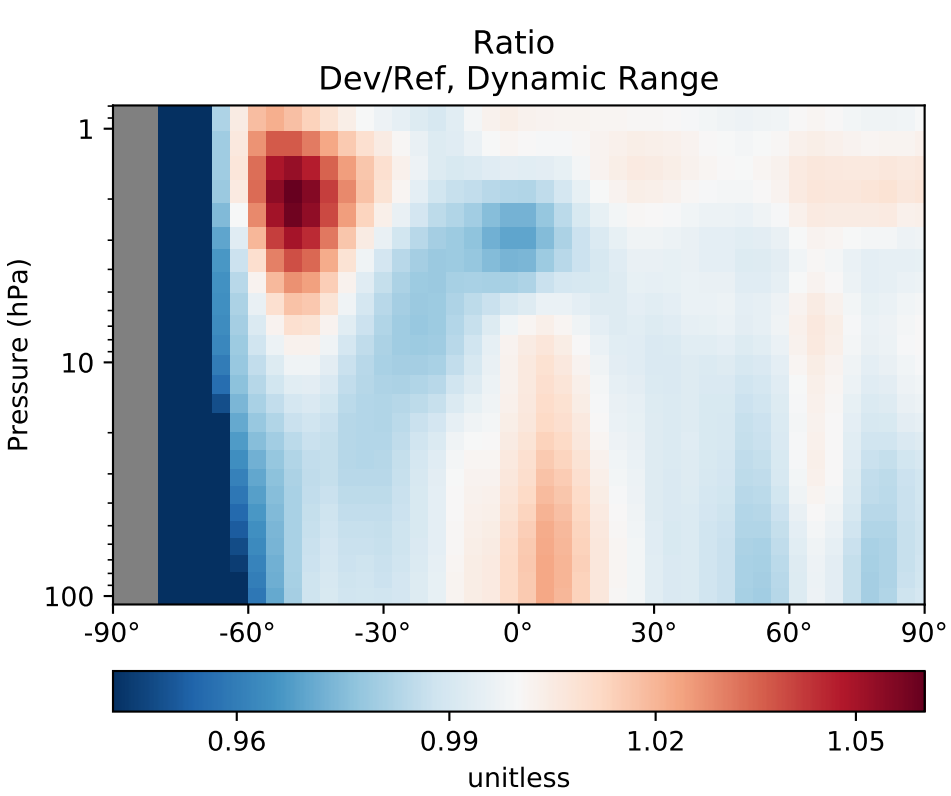


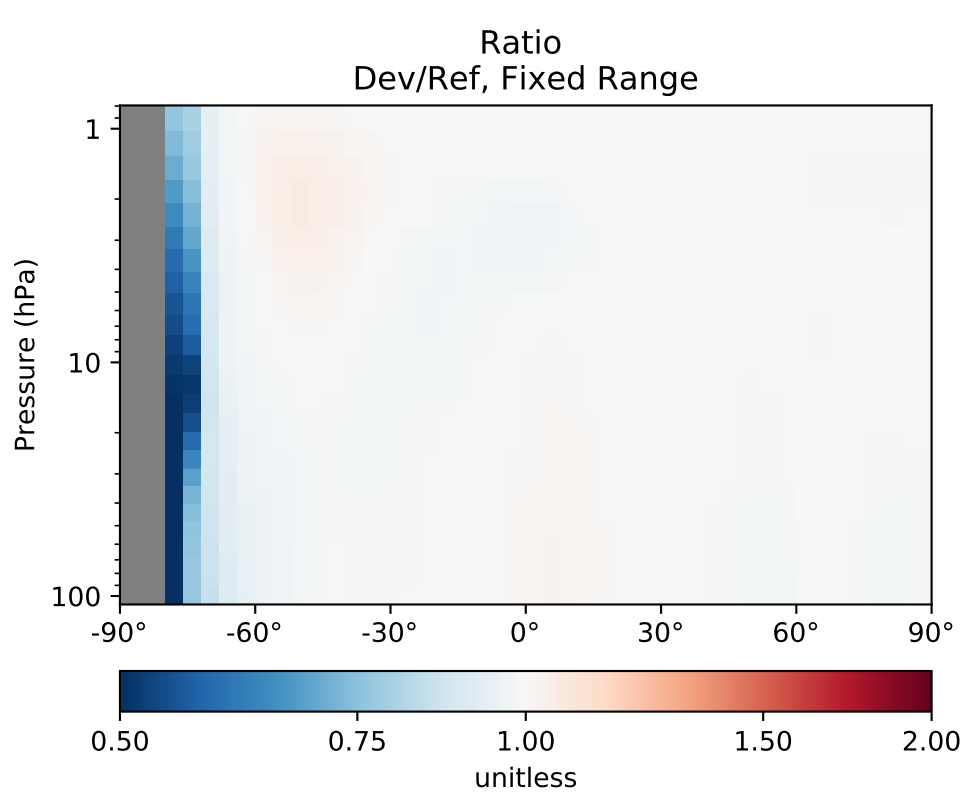


Jval_RIPC, Zonal Mean

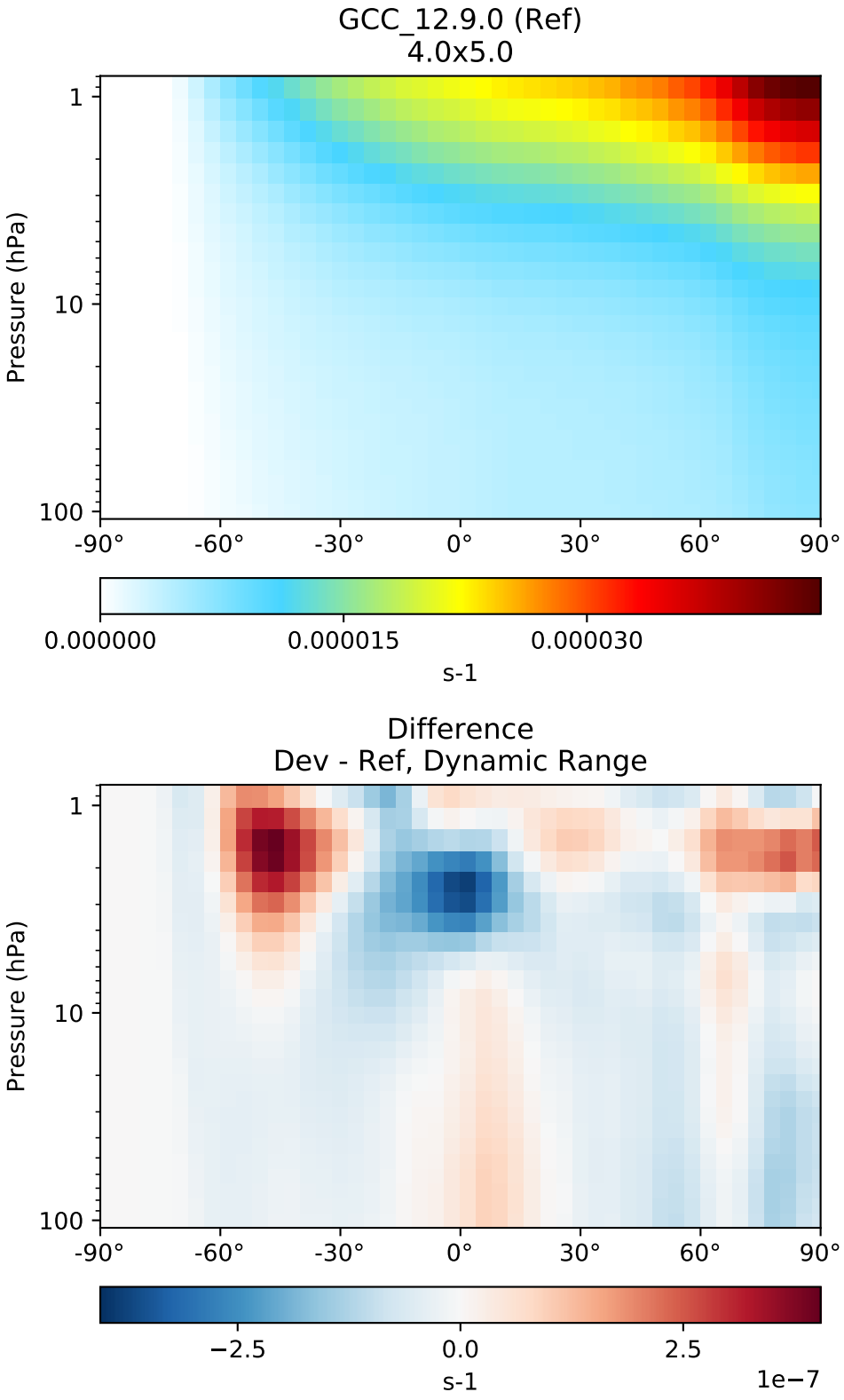


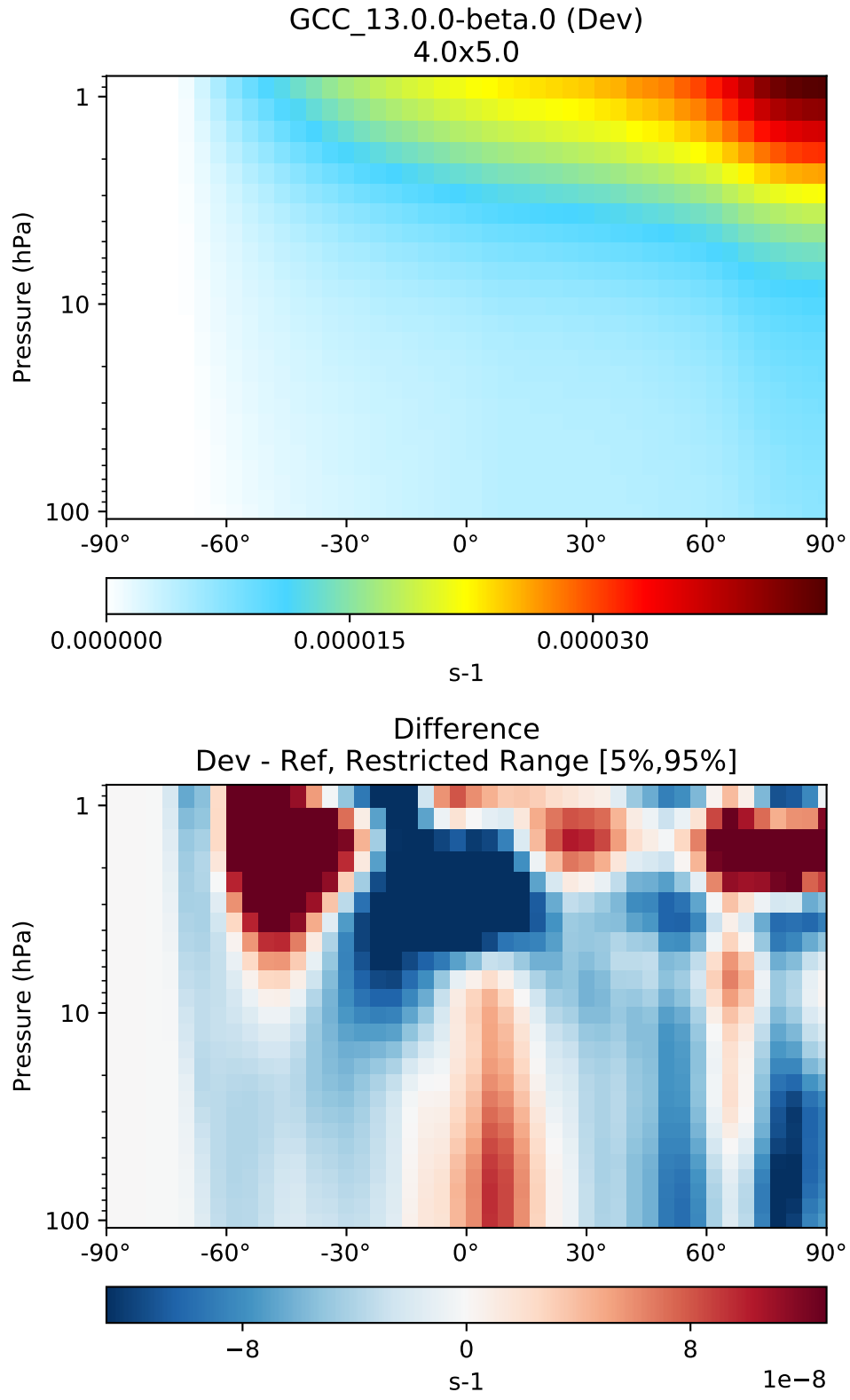


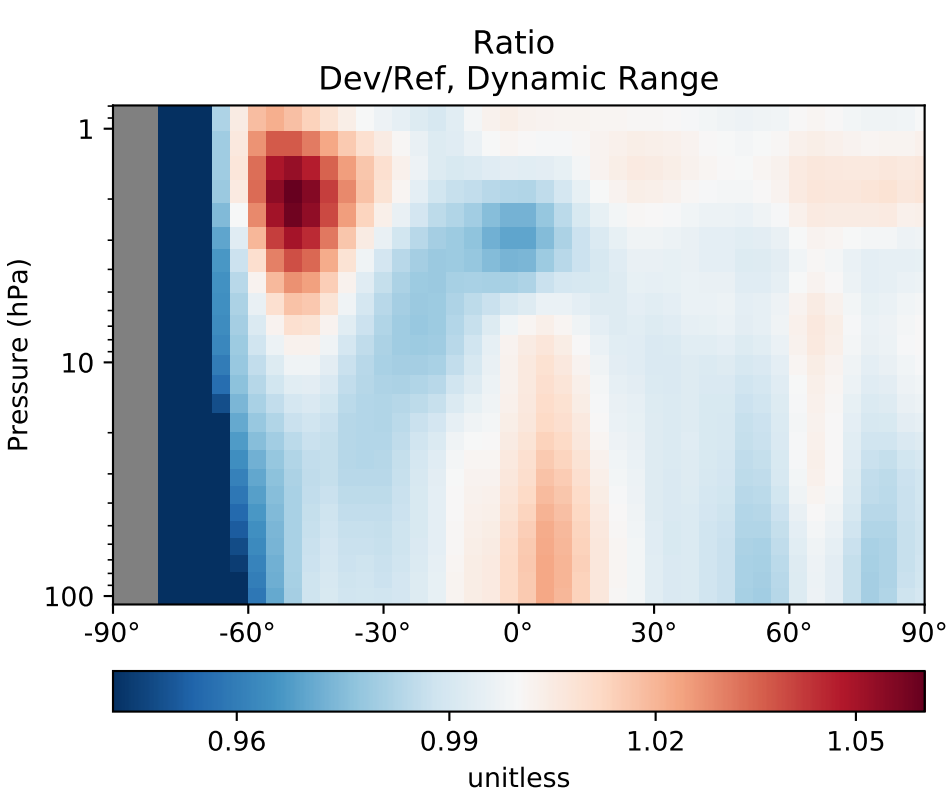


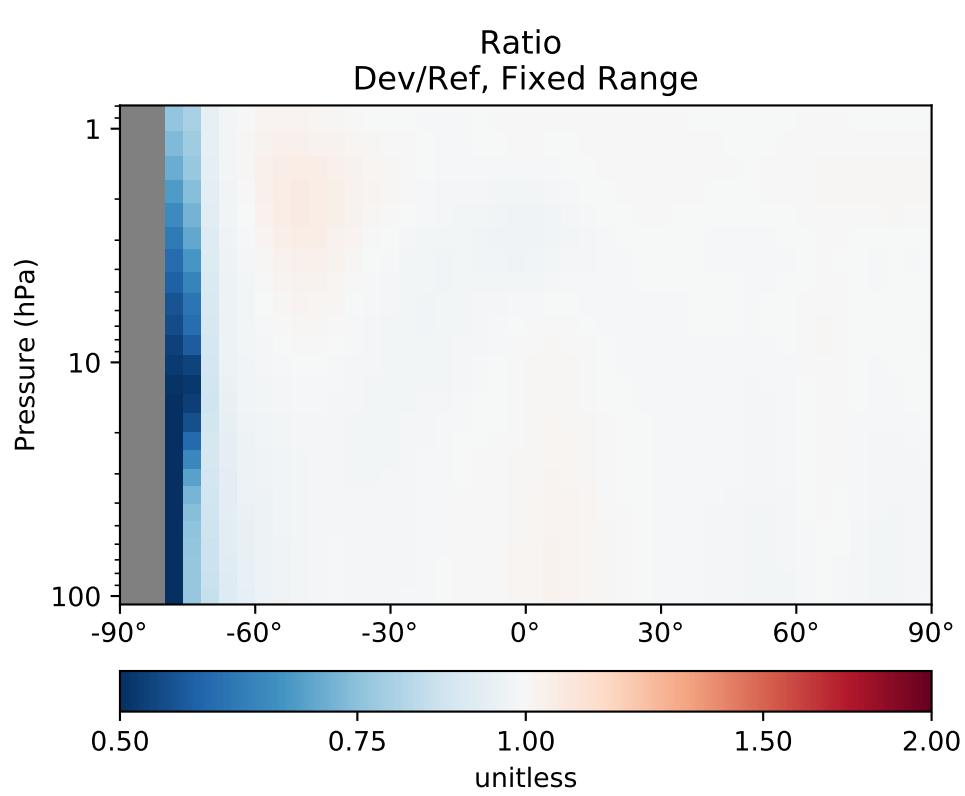


Jval_RIPD, Zonal Mean

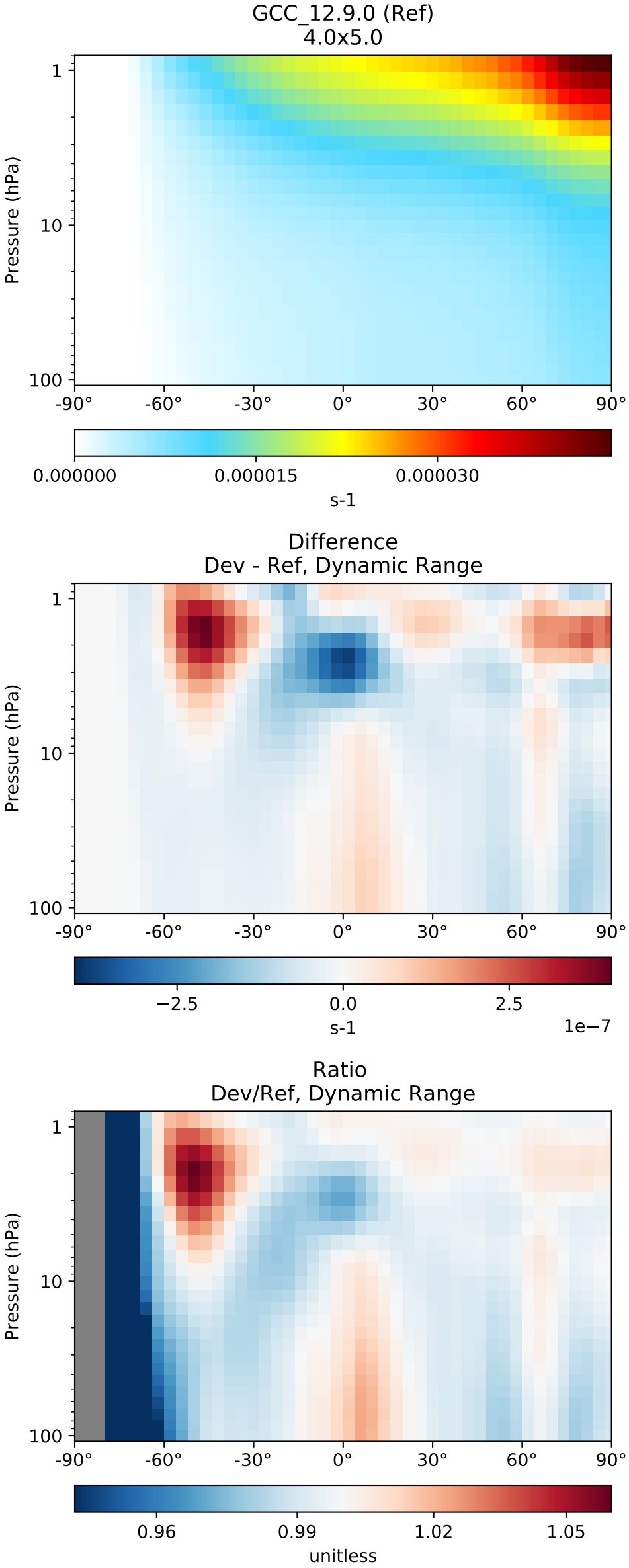


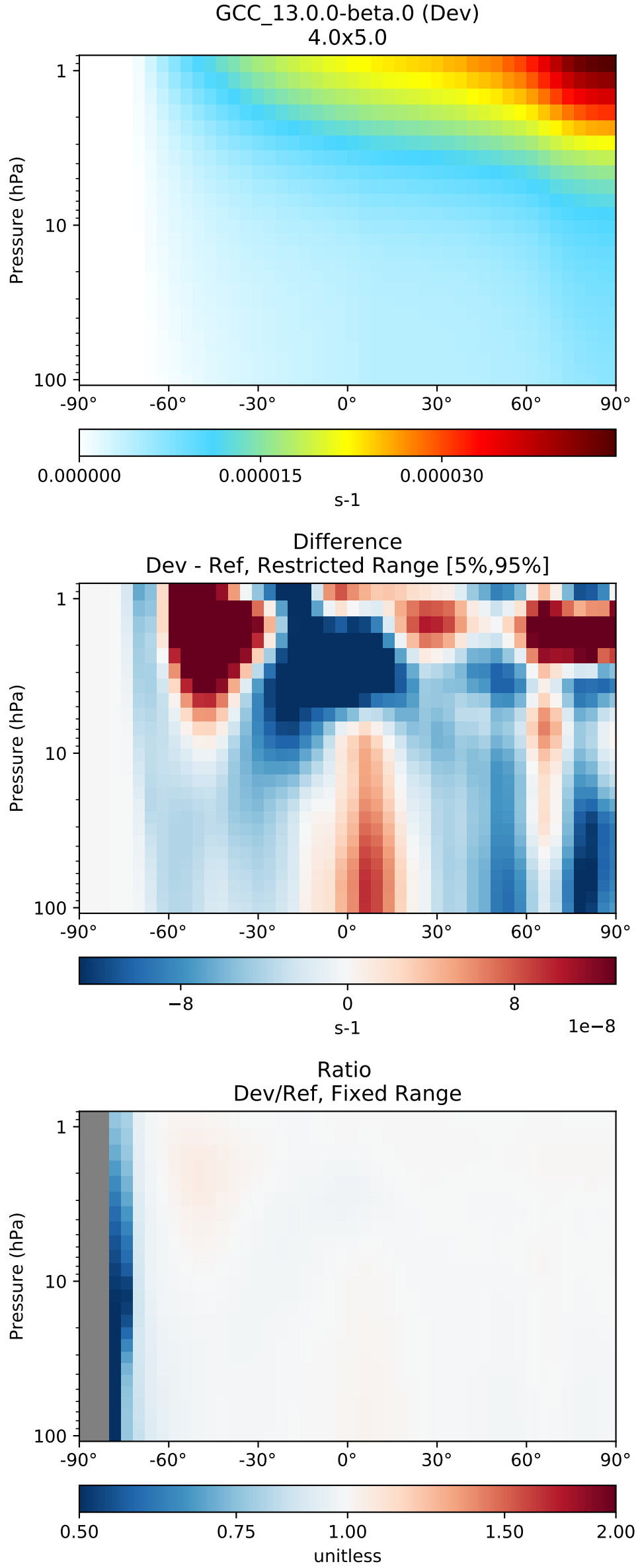






Jval_RP, Zonal Mean





Jval_SO4, Zonal Mean

