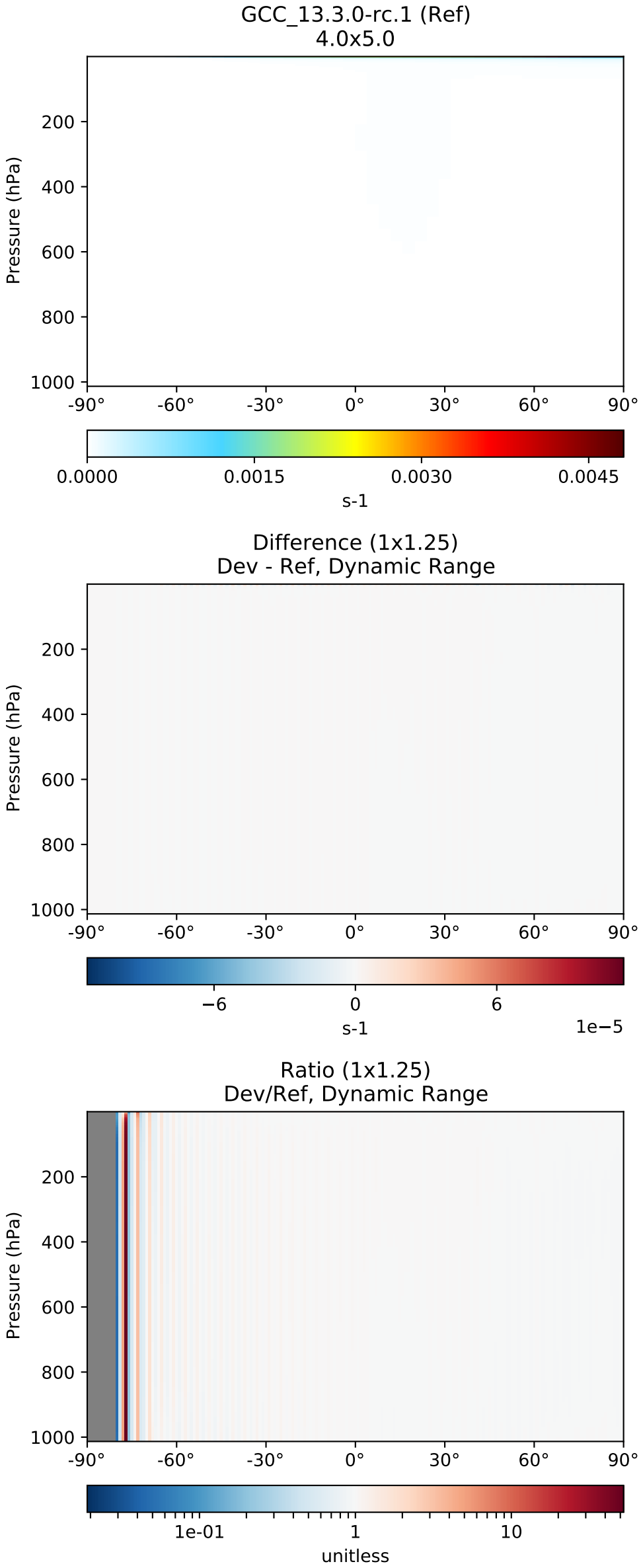
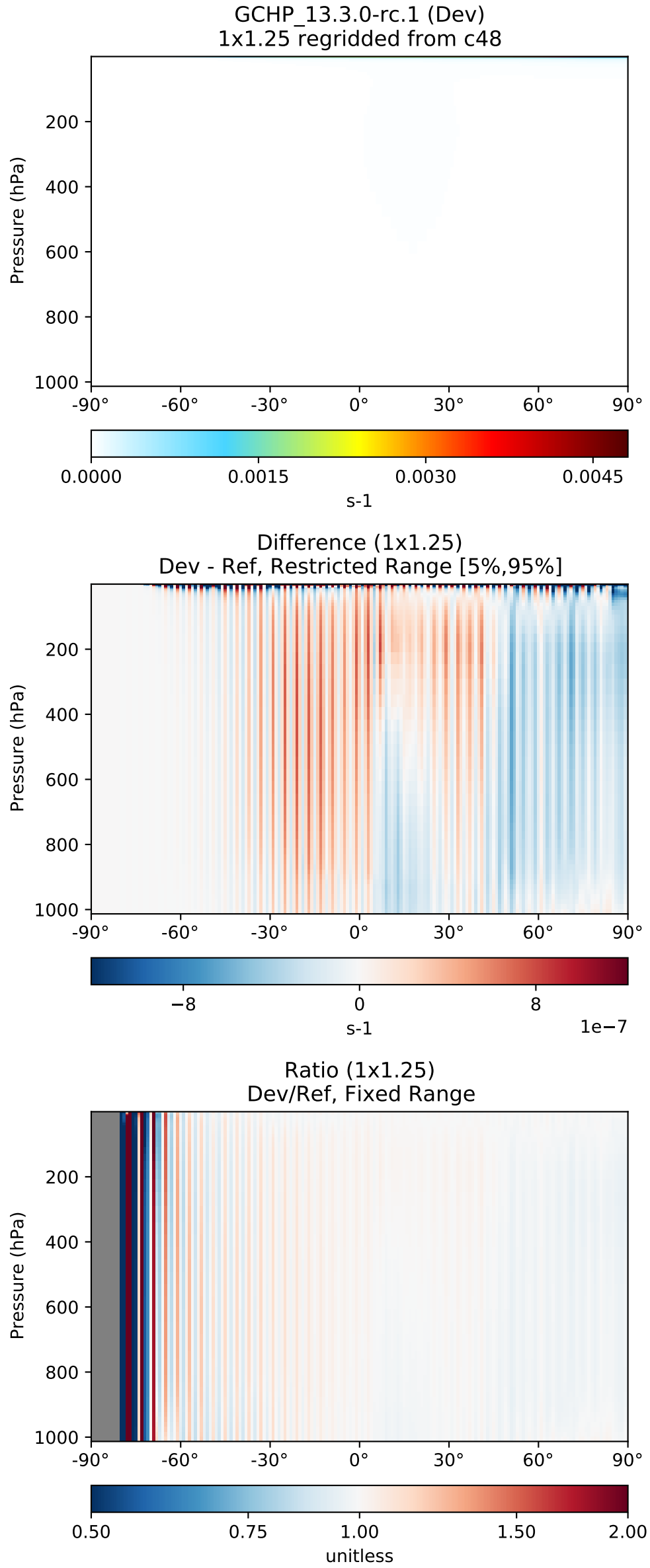
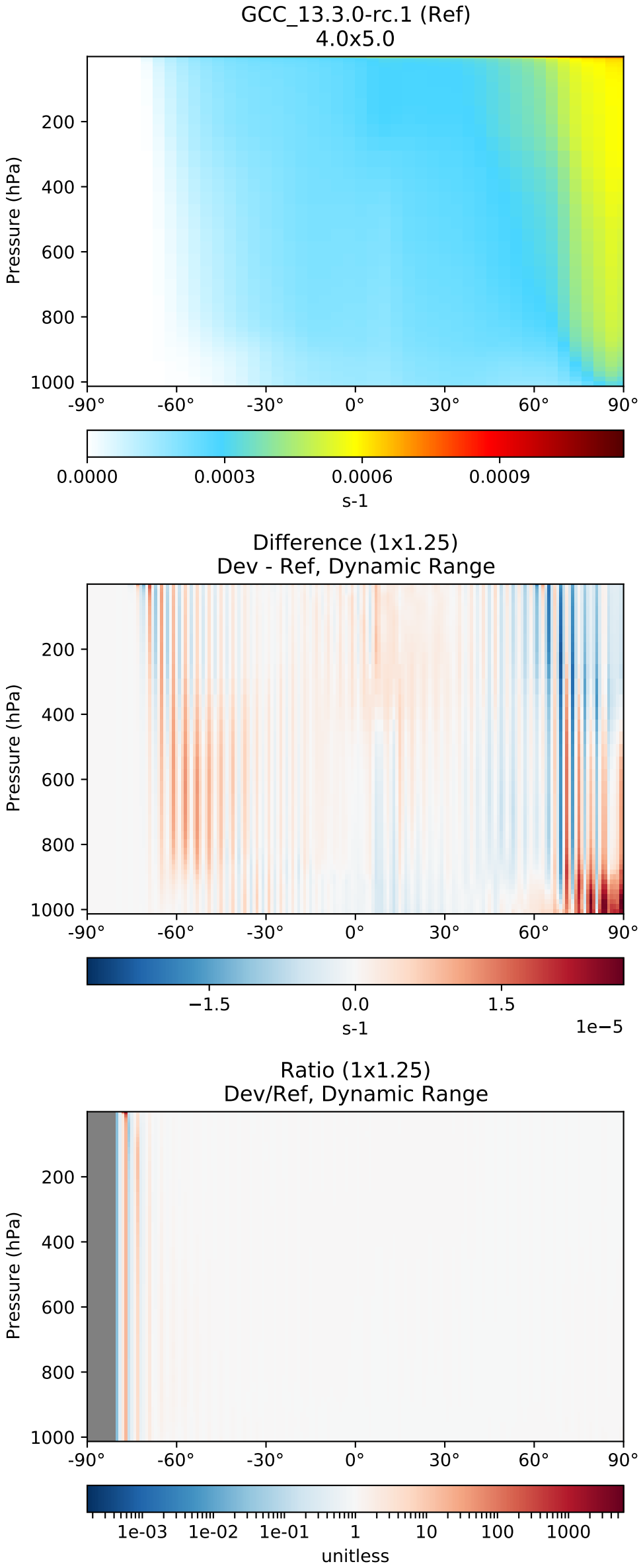
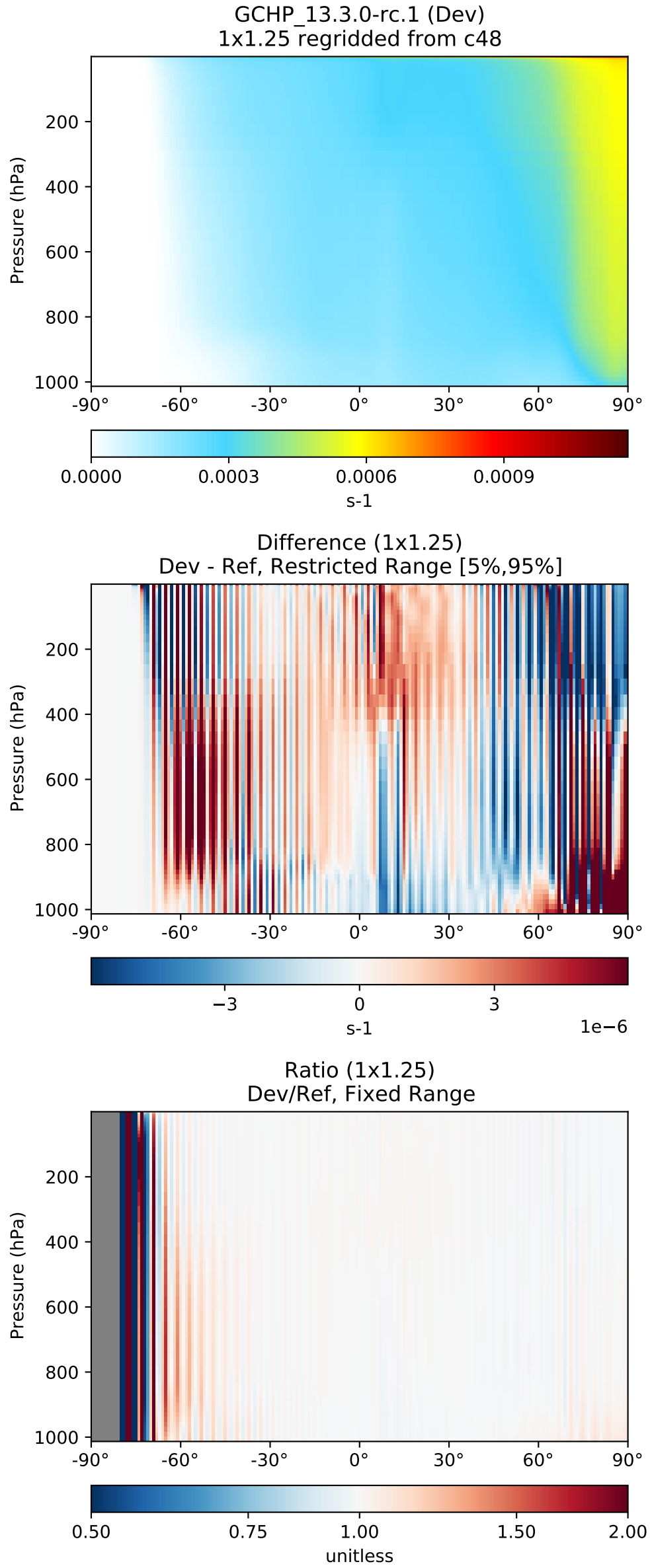
JvalO3O1D, Zonal Mean





JvalO3O3P, Zonal Mean

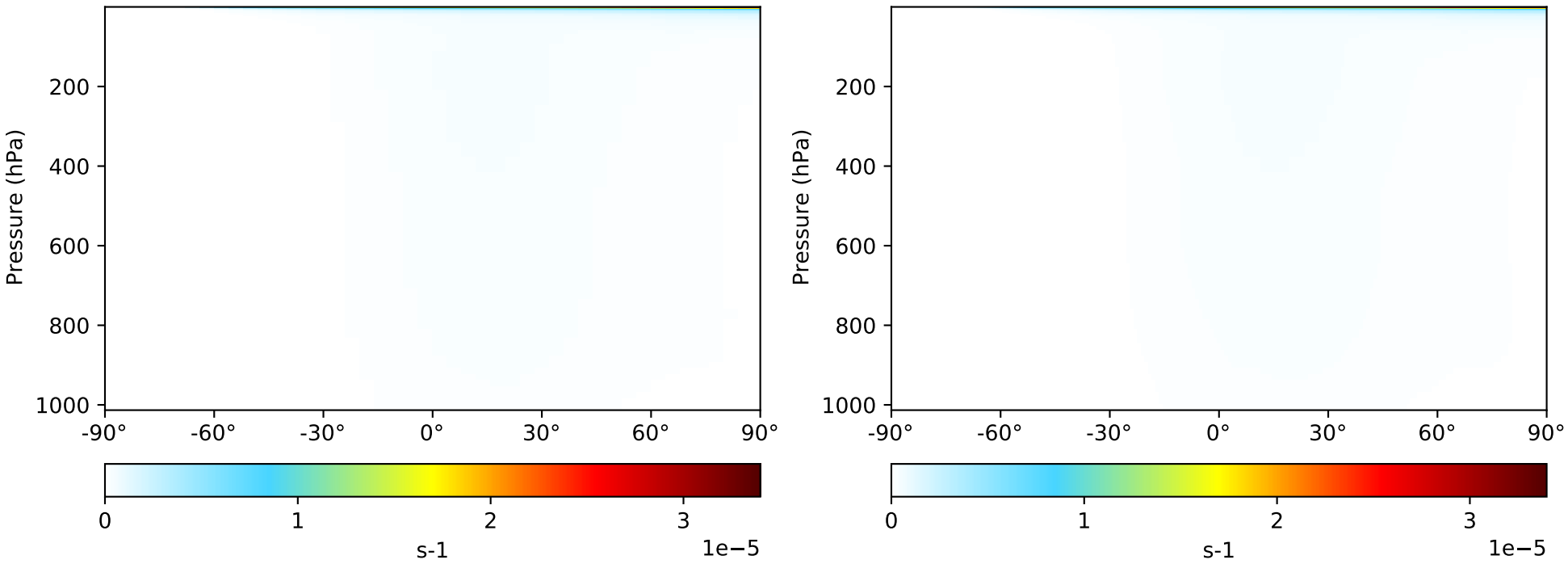




Jval_ACET, Zonal Mean

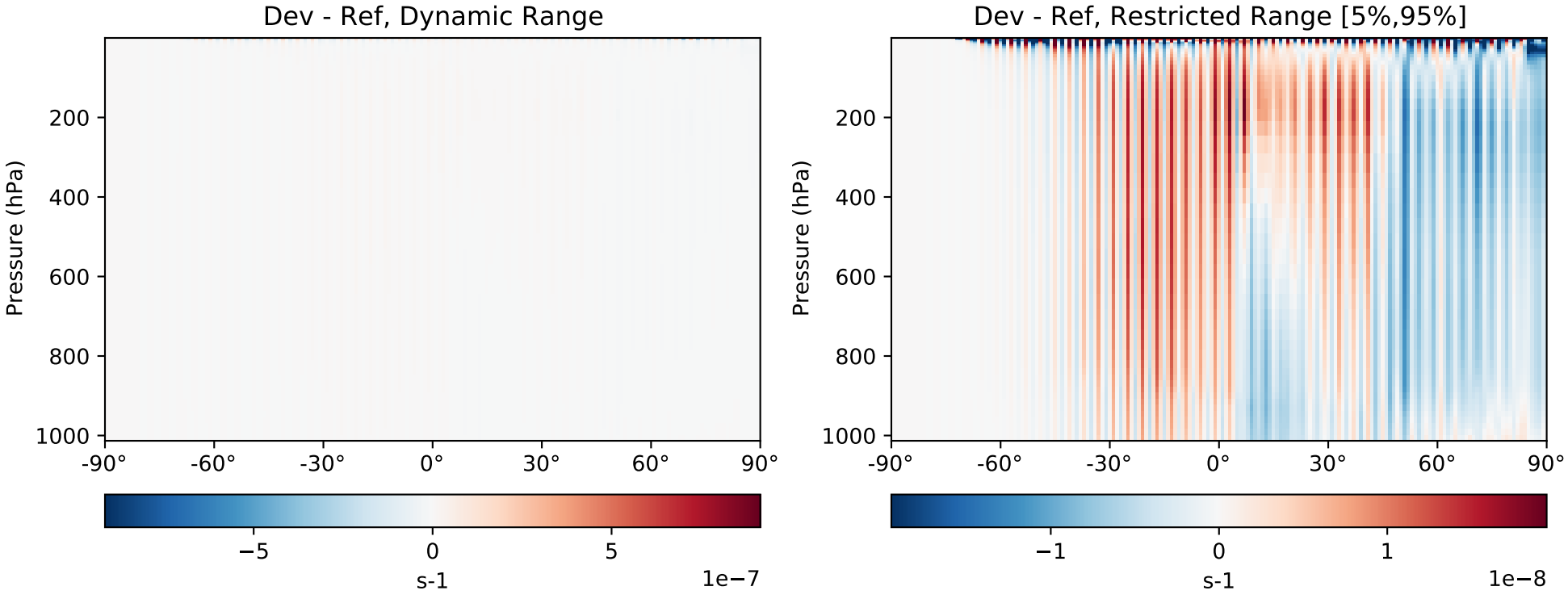
GCC_13.3.0-rc.1 (Ref)
4.0x5.0

GCHP_13.3.0-rc.1 (Dev)
1x1.25 regridded from c48



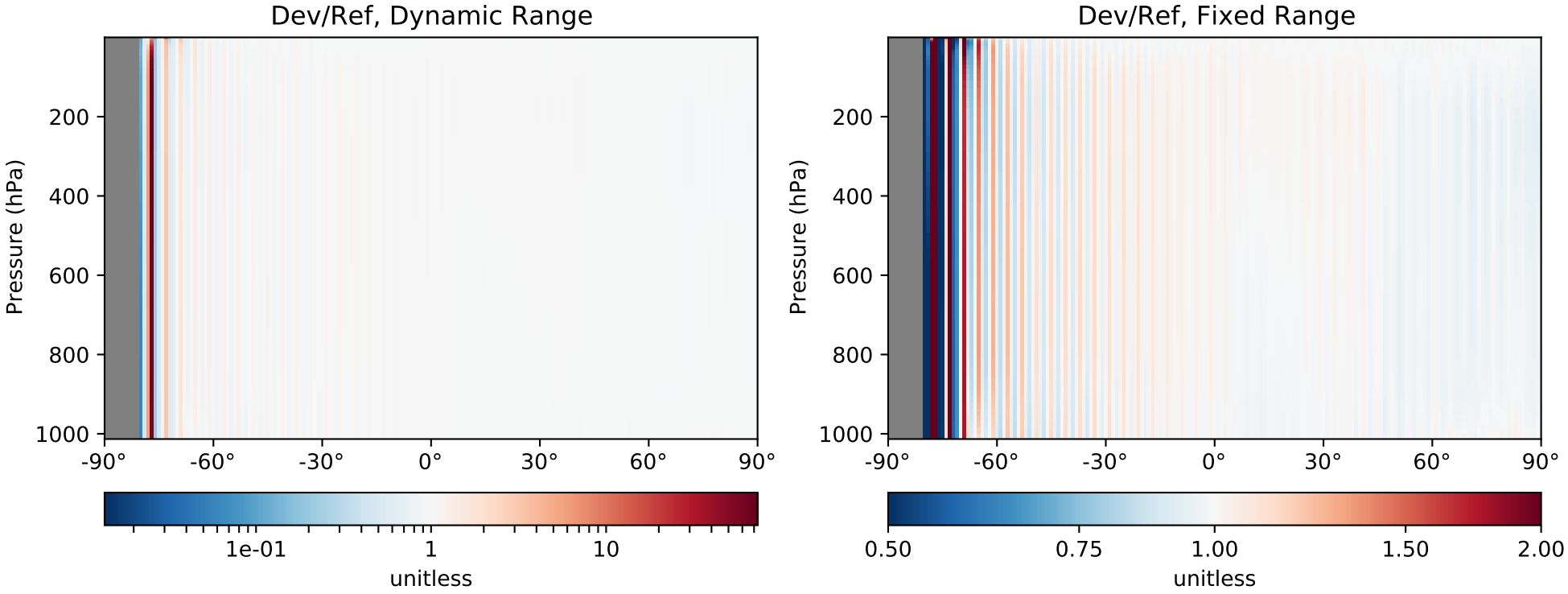
Difference (1x1.25)
Dev - Ref, Dynamic Range

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

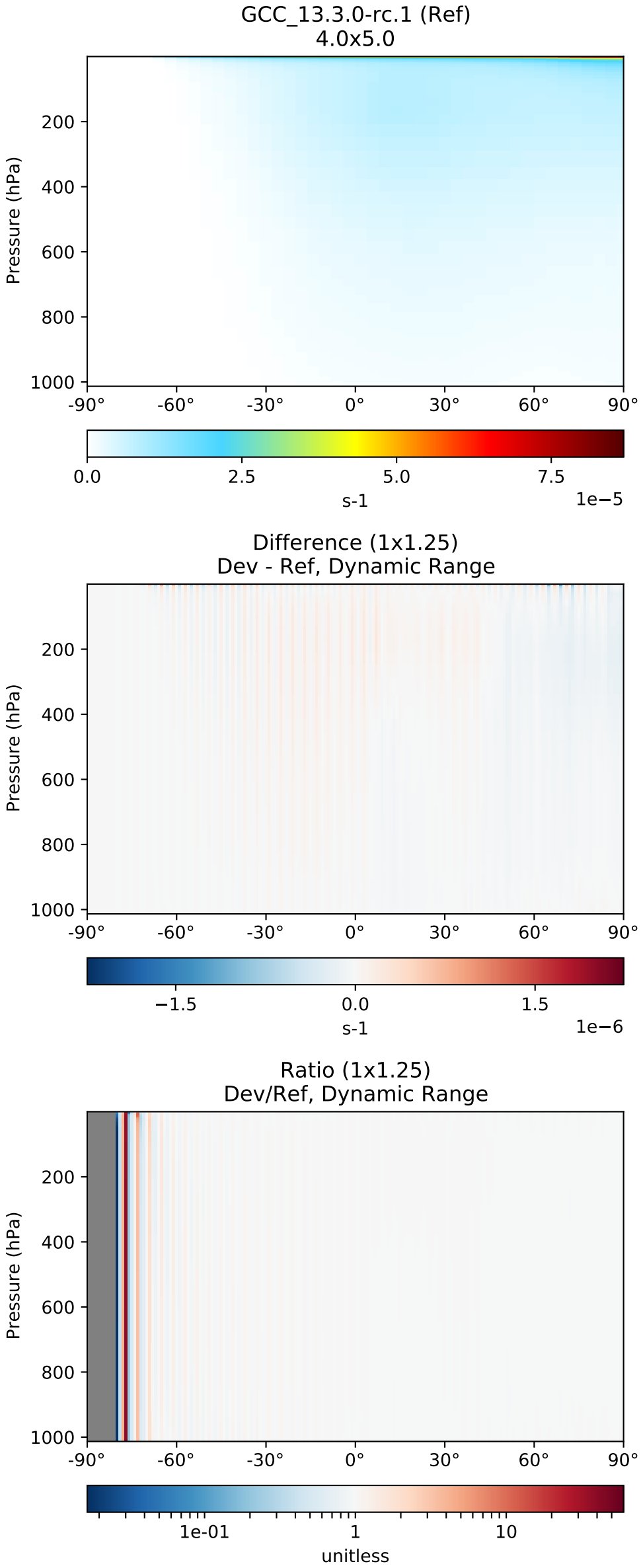


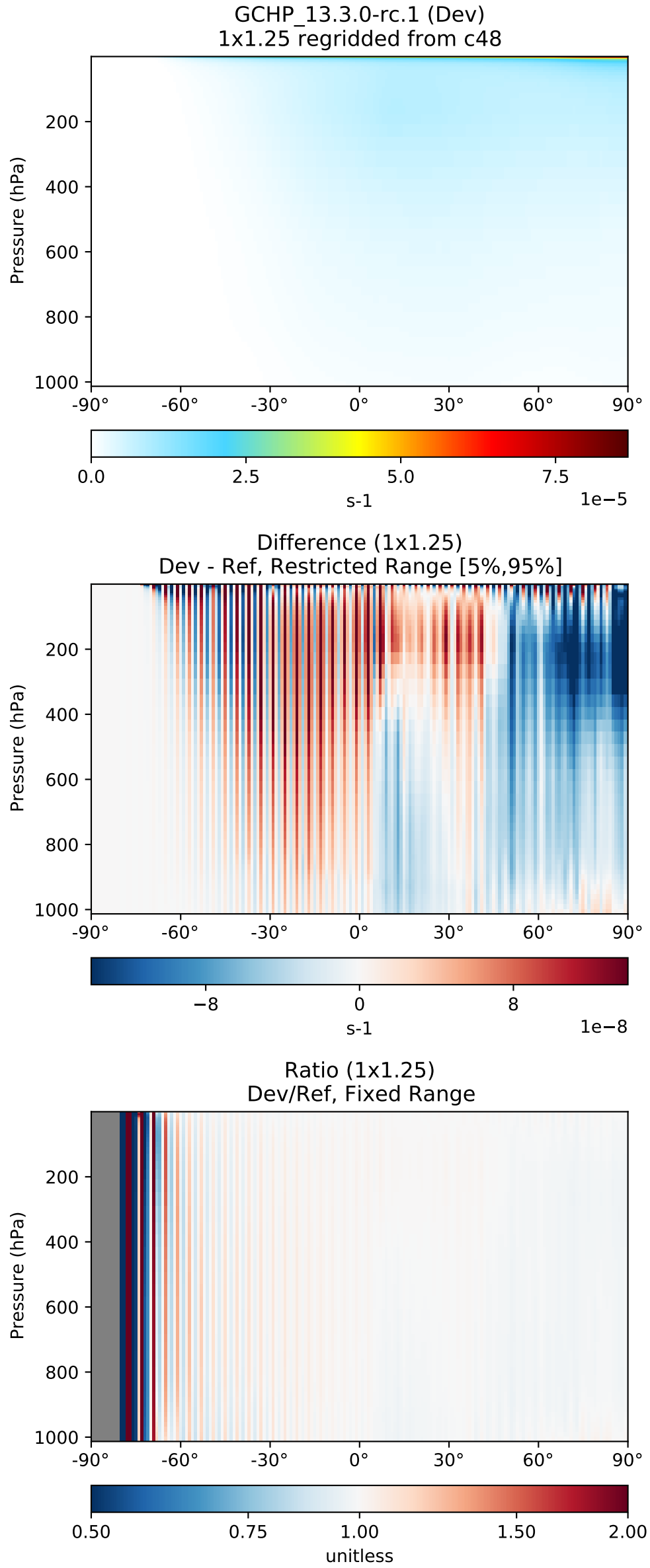
Ratio (1x1.25)
Dev/Ref, Dynamic Range

Ratio (1x1.25)
Dev/Ref, Fixed Range

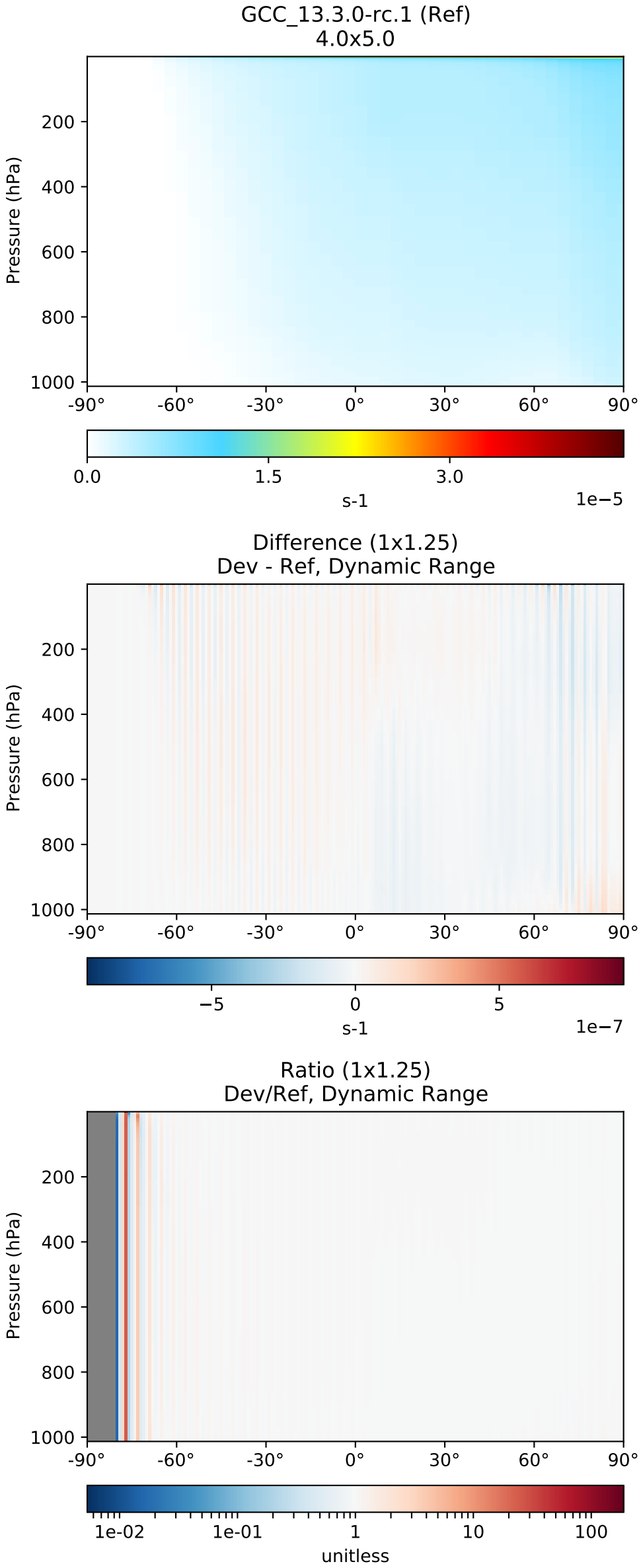


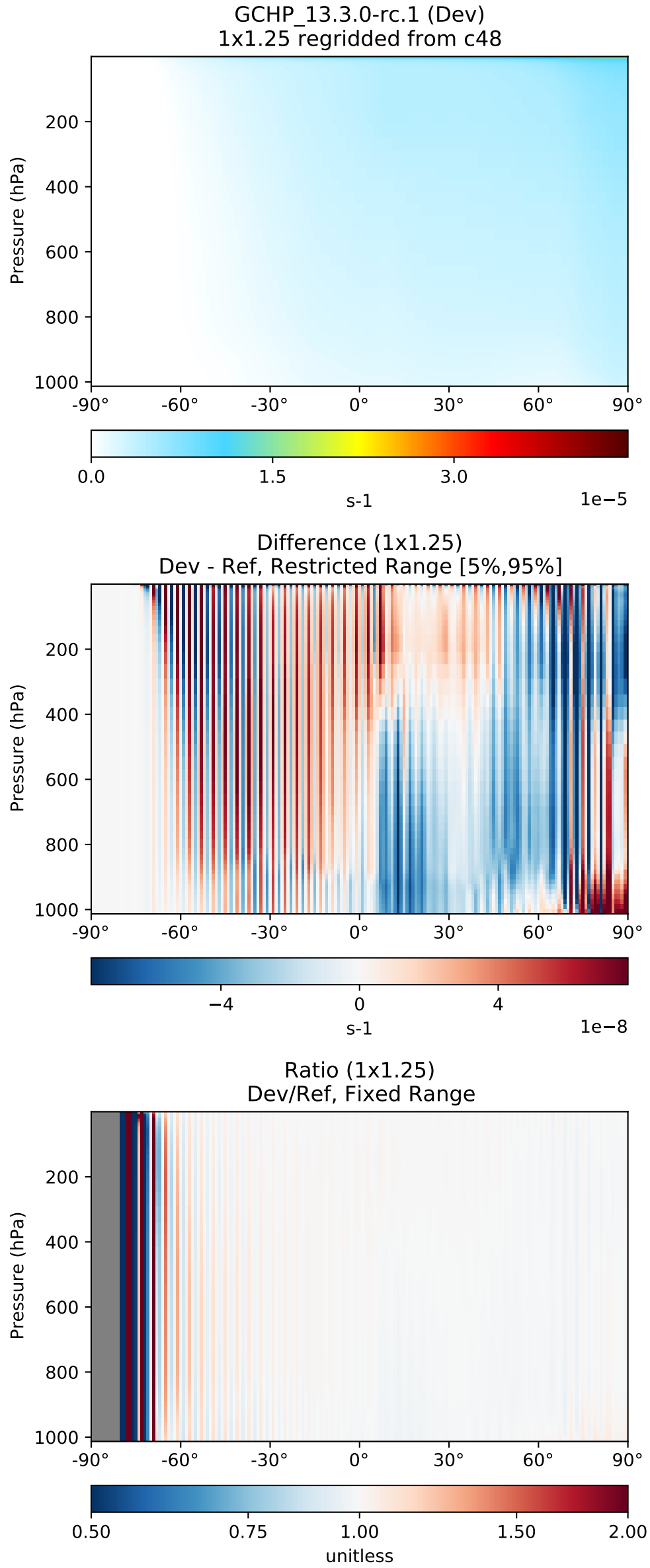
Jval_ALD2, Zonal Mean



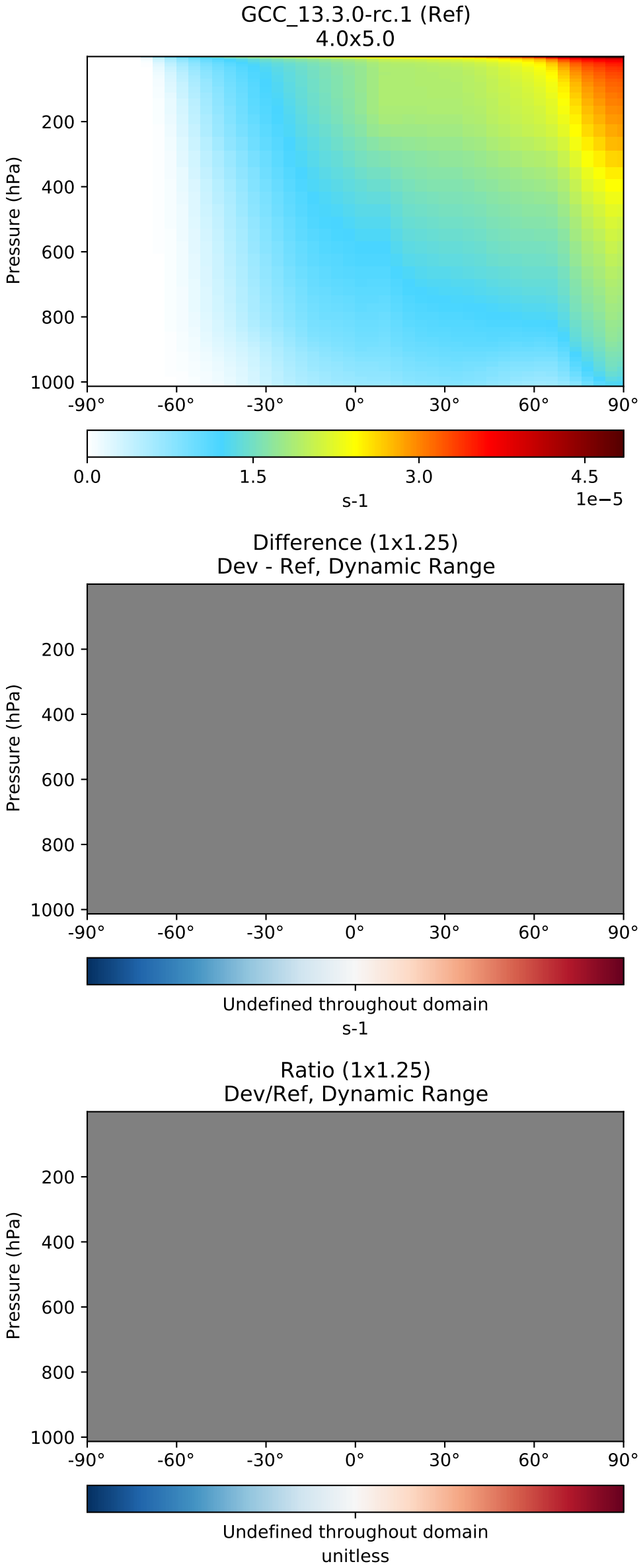


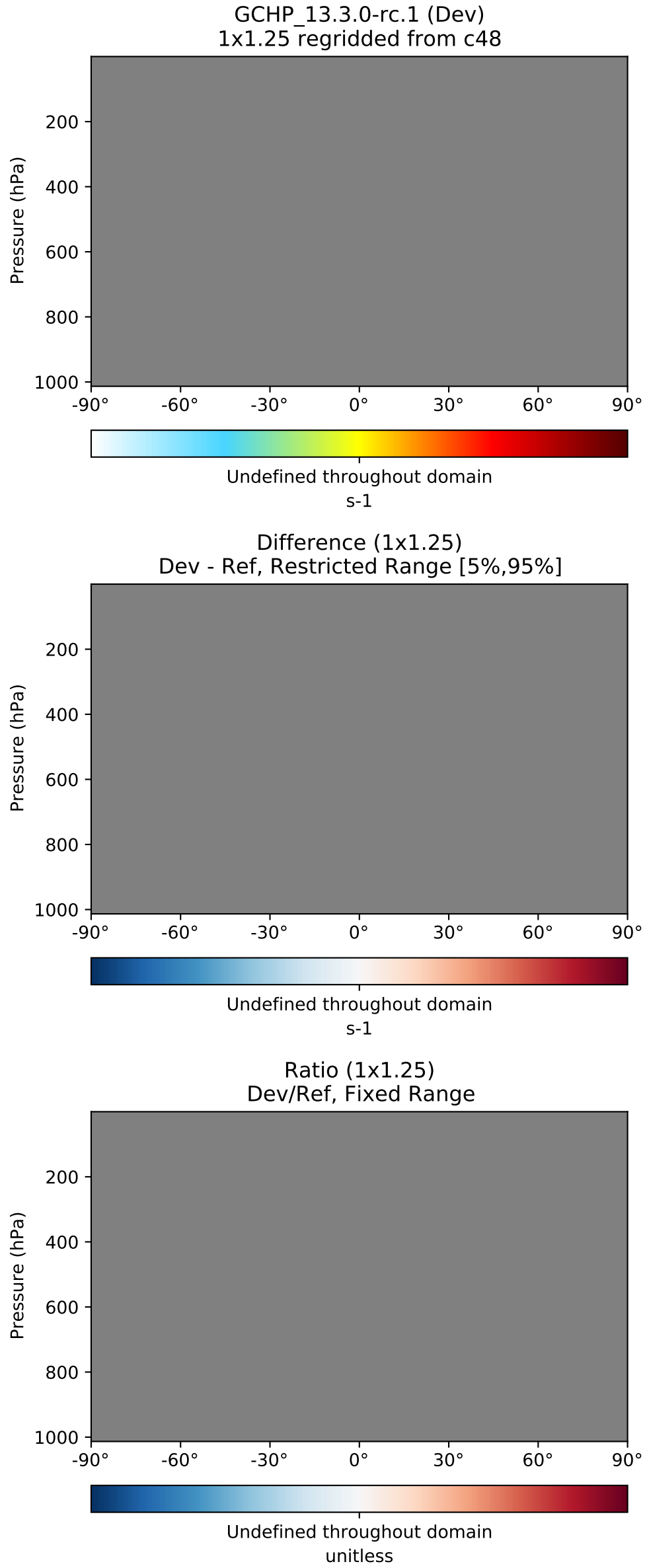
Jval_ATOOH, Zonal Mean



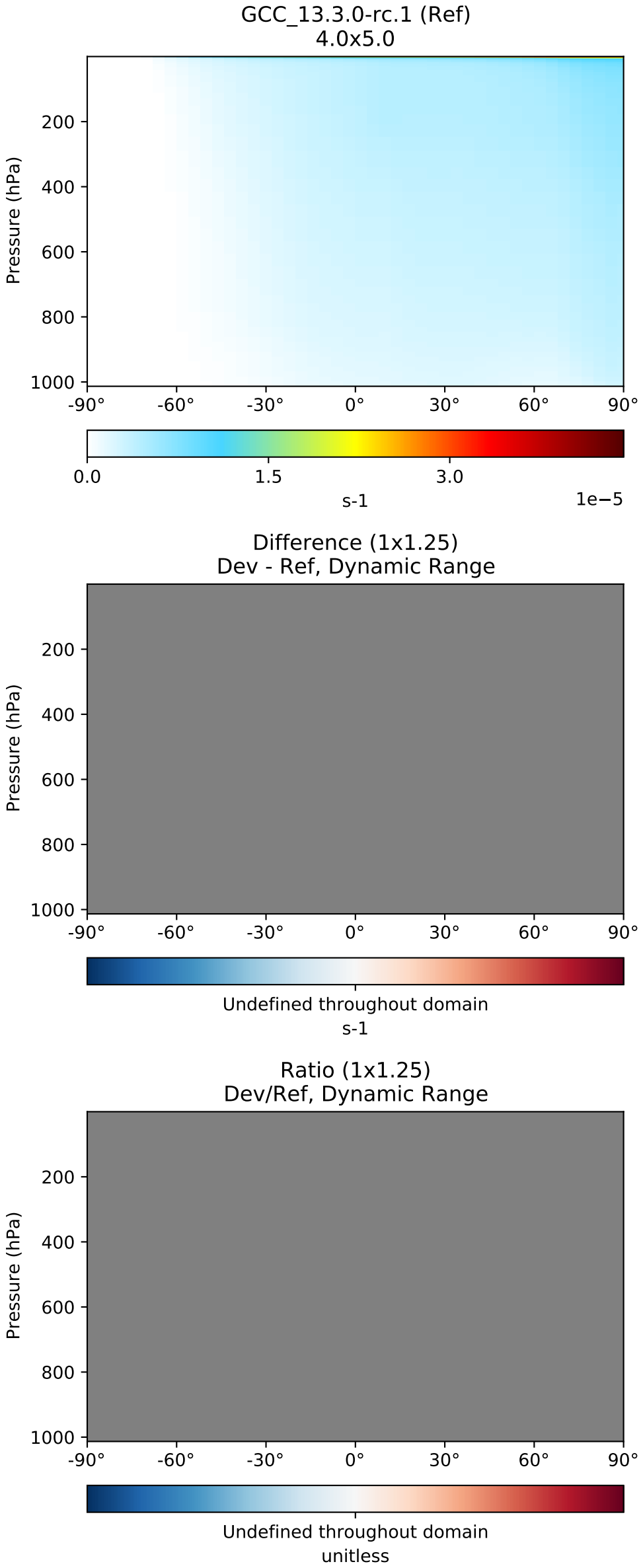


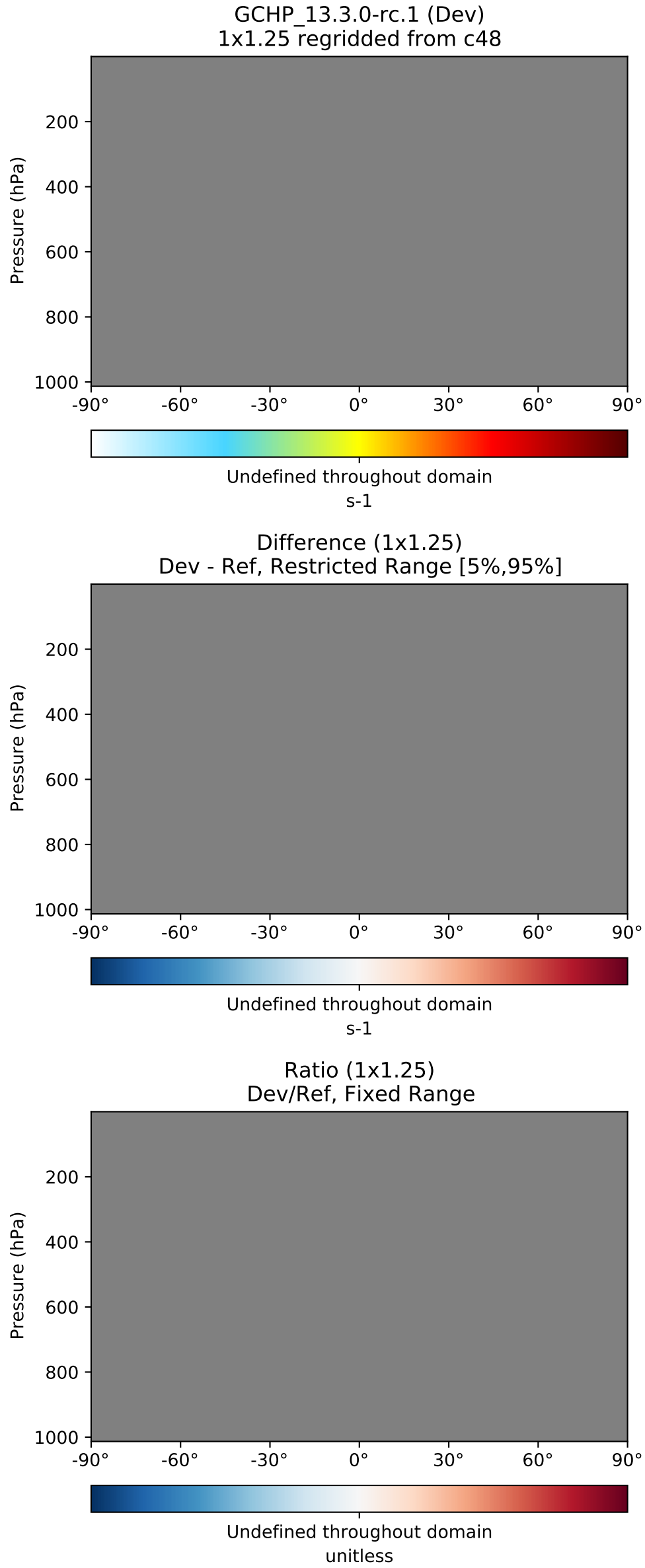
Jval_BALD, Zonal Mean



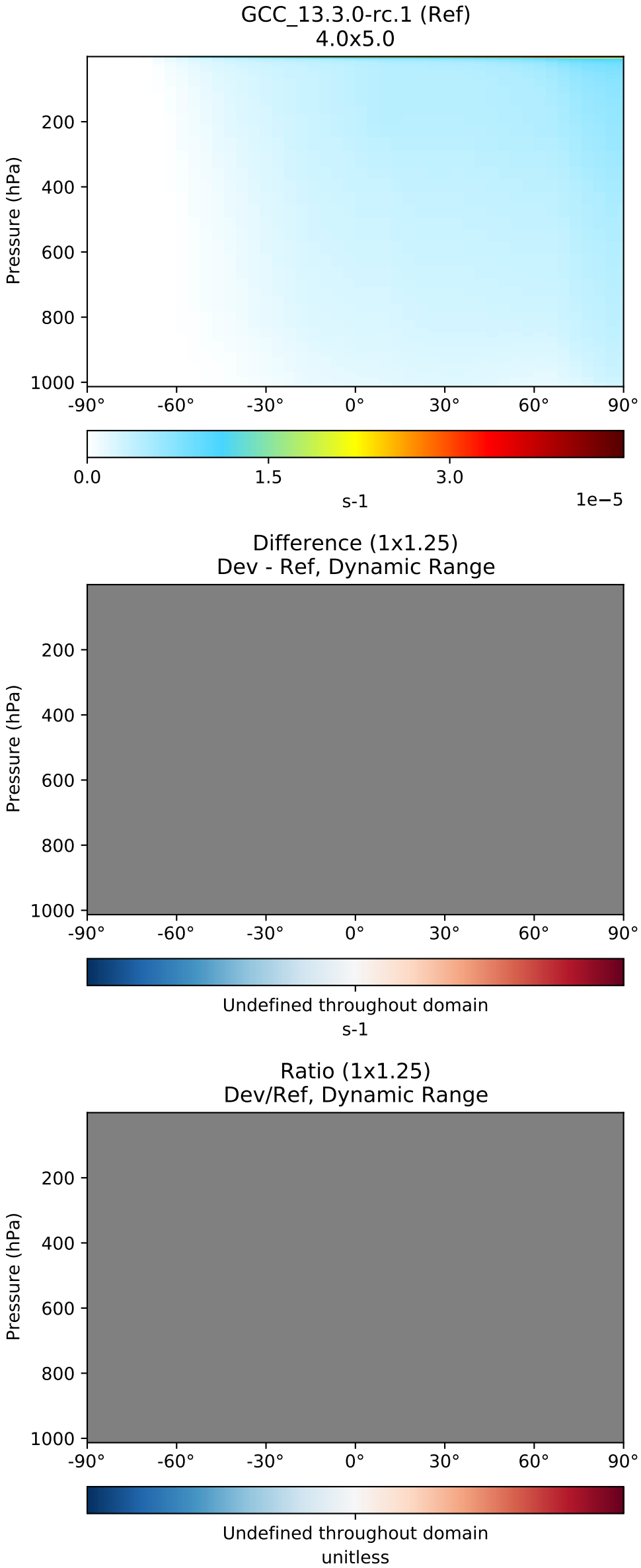


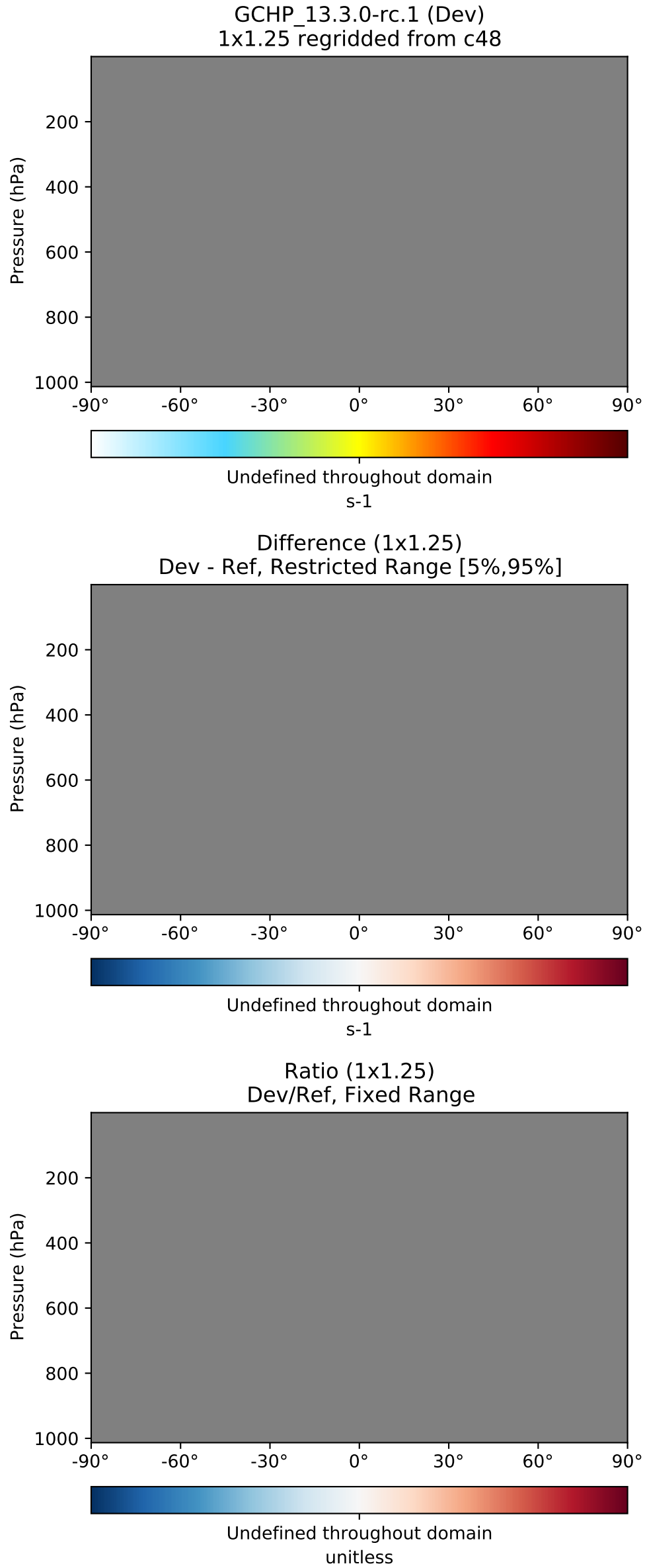
Jval_BENZP, Zonal Mean



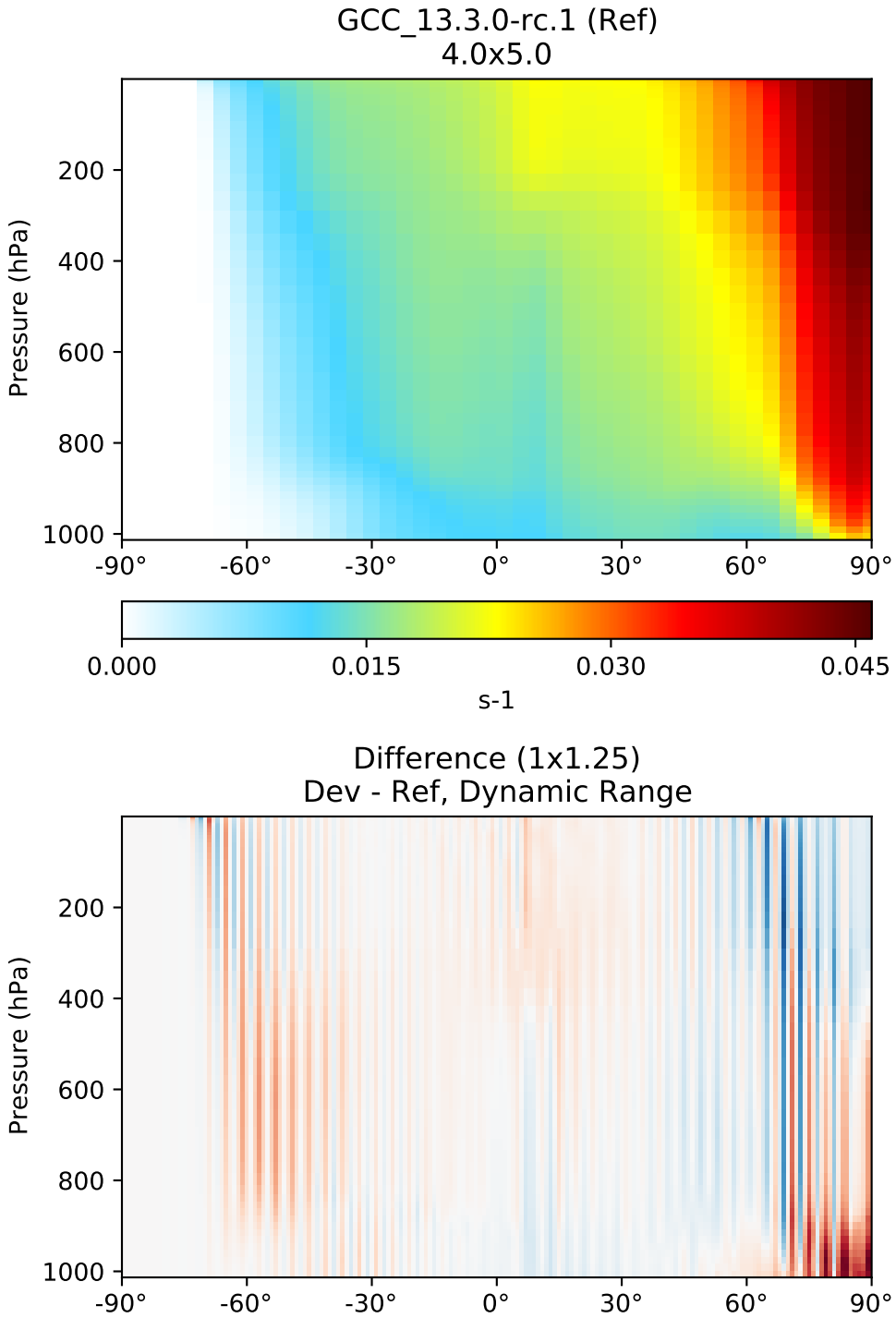


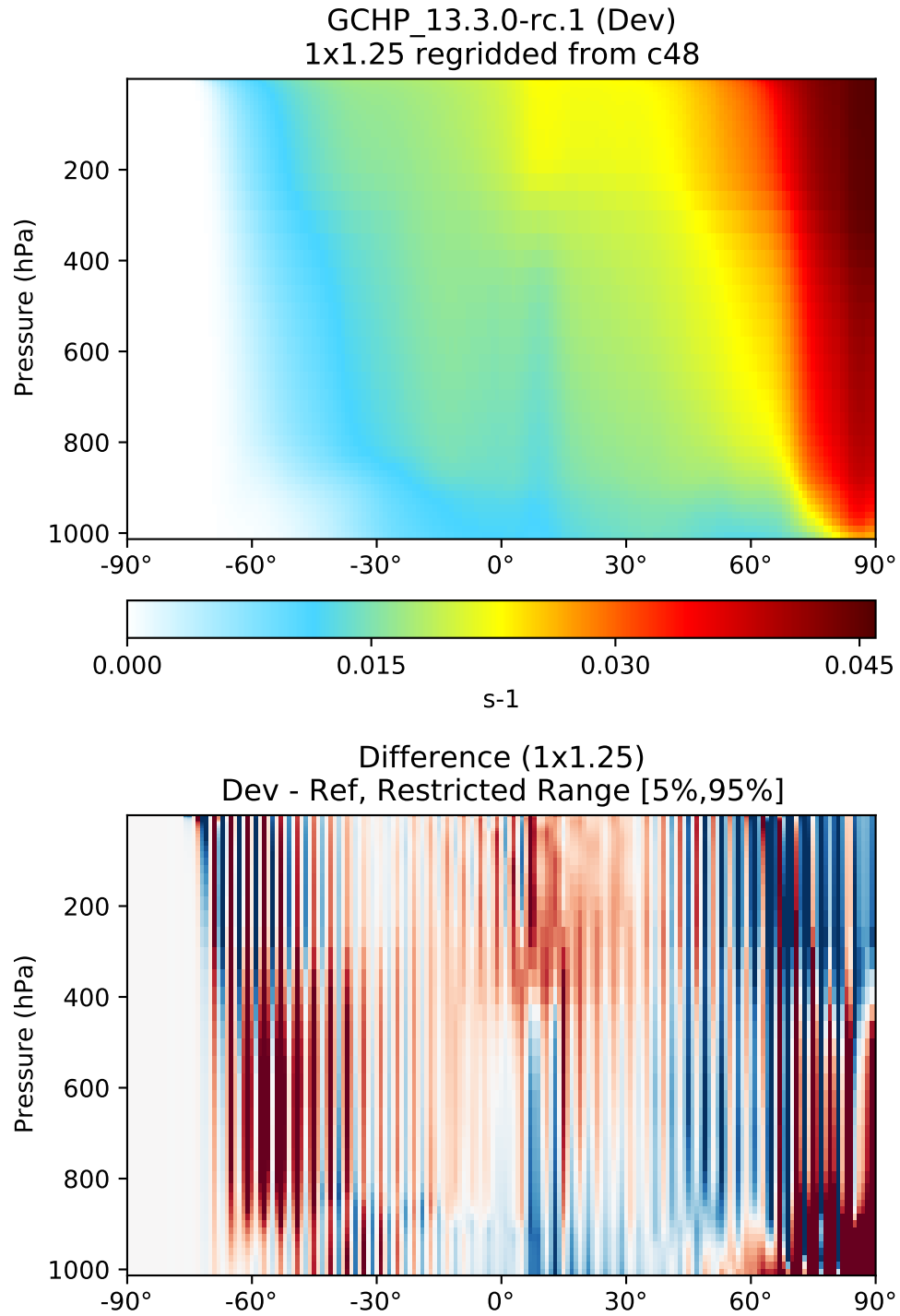
Jval_BZCO3H, Zonal Mean

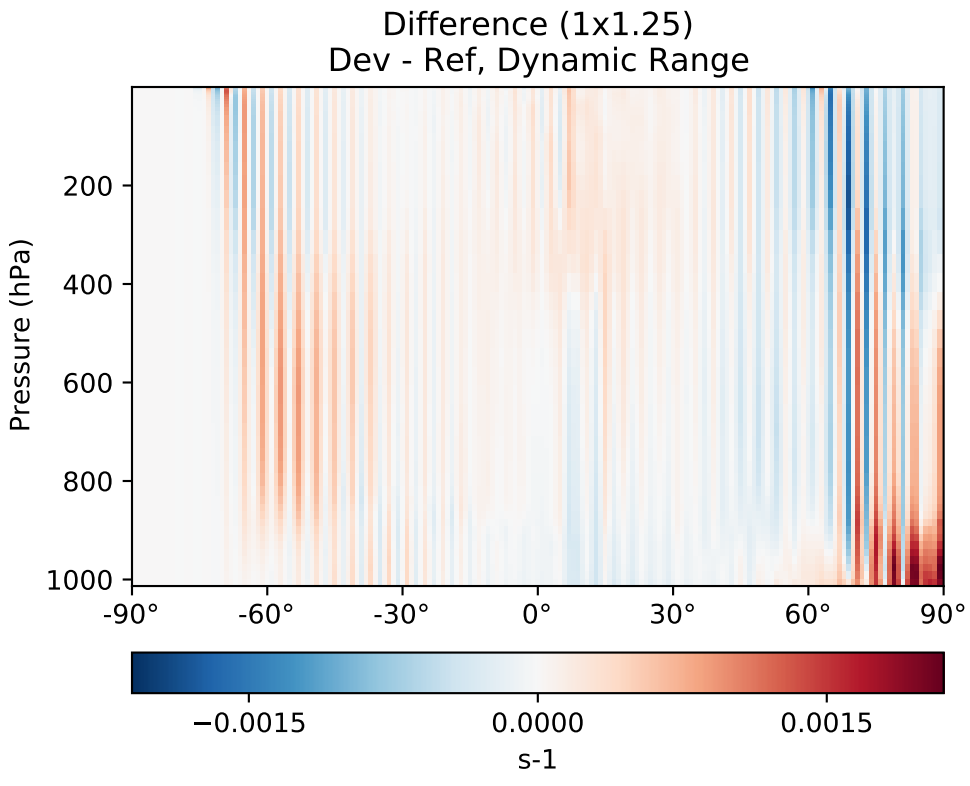


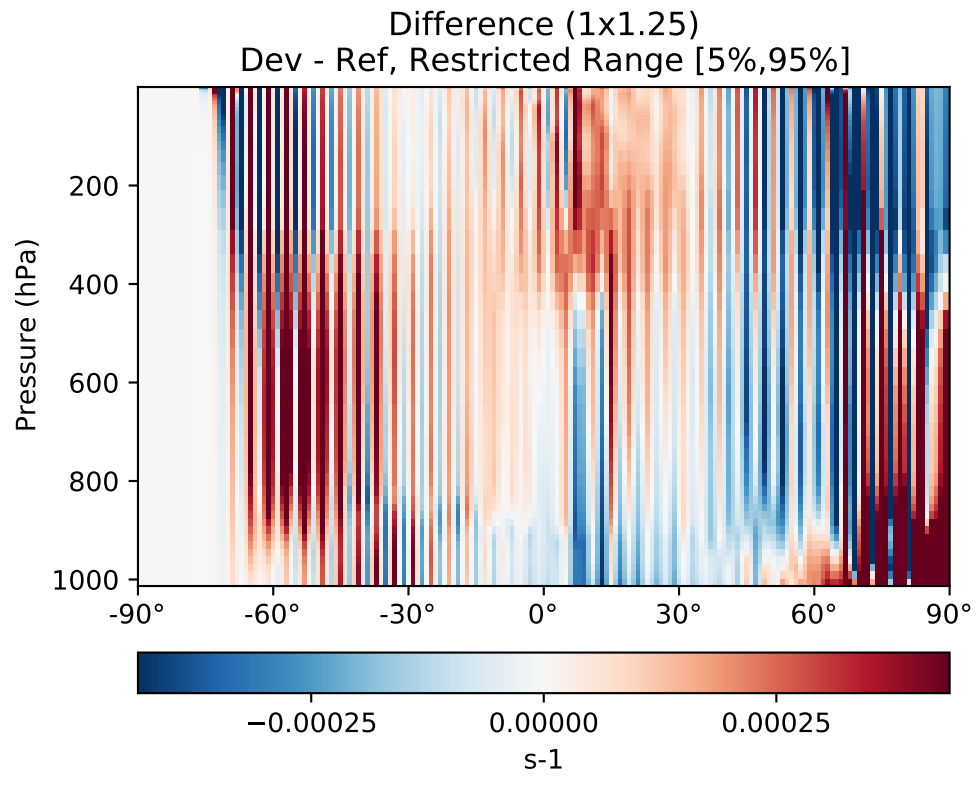


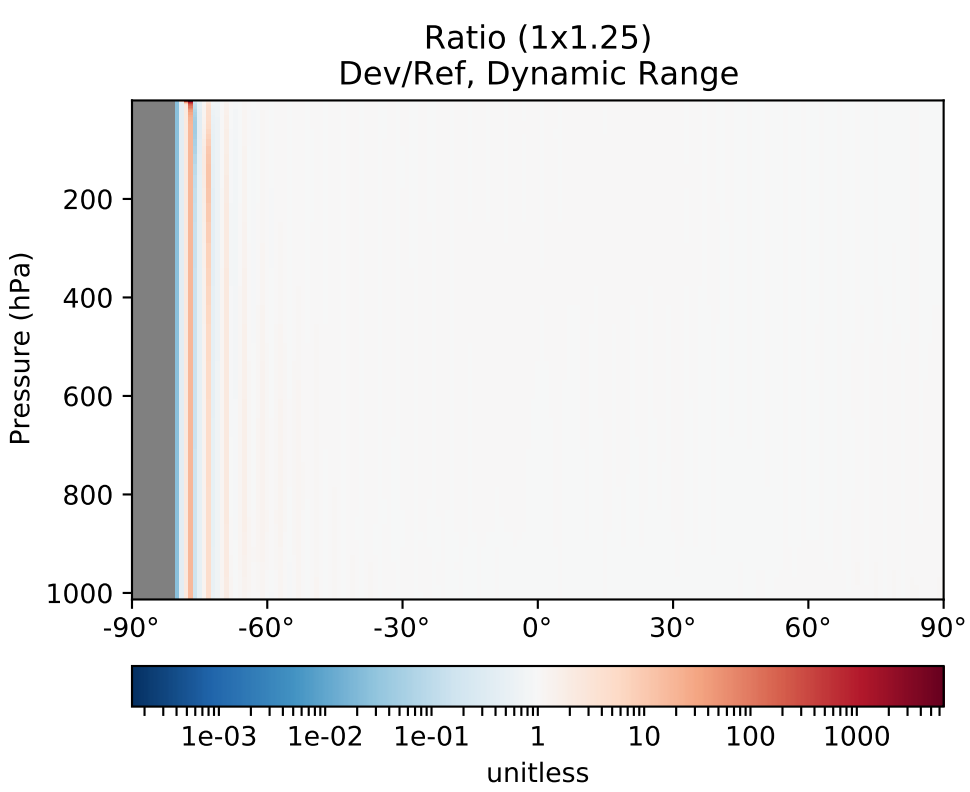
Jval_Br2, Zonal Mean

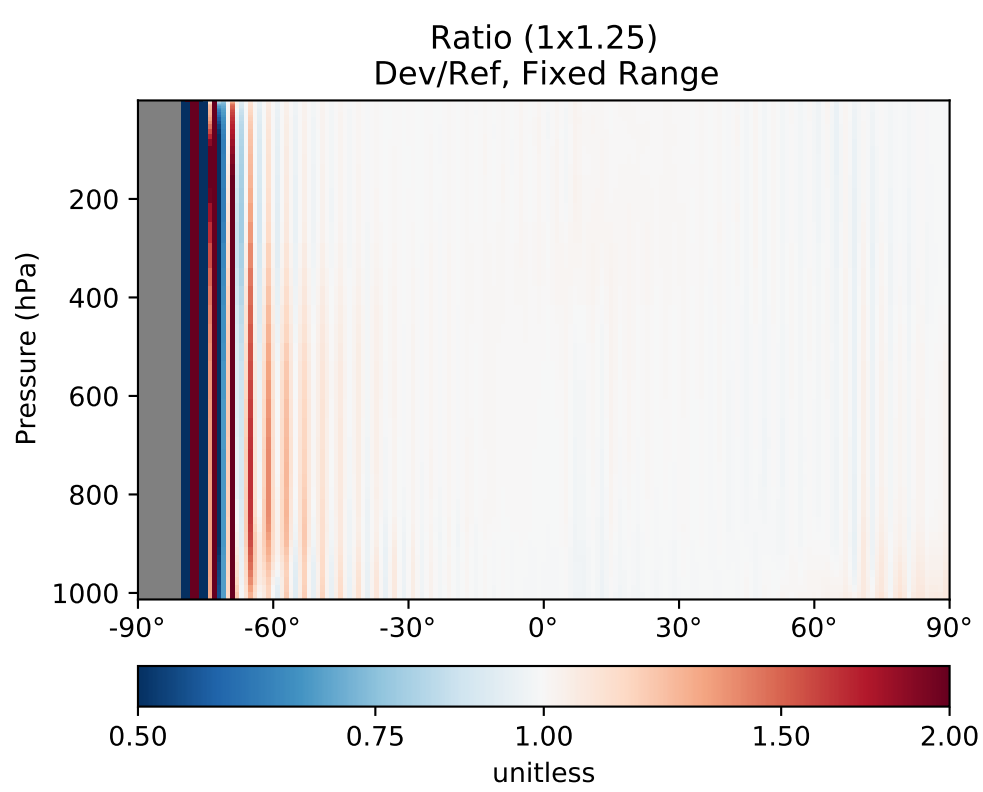




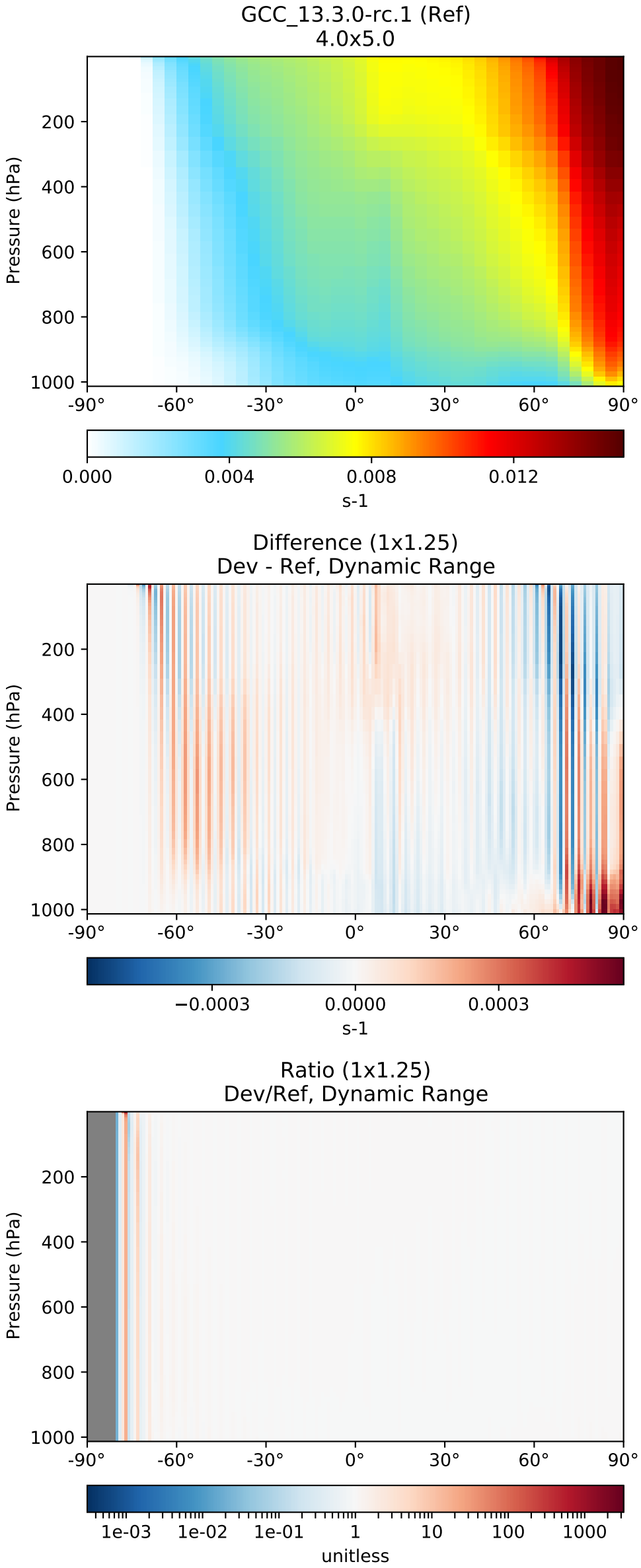


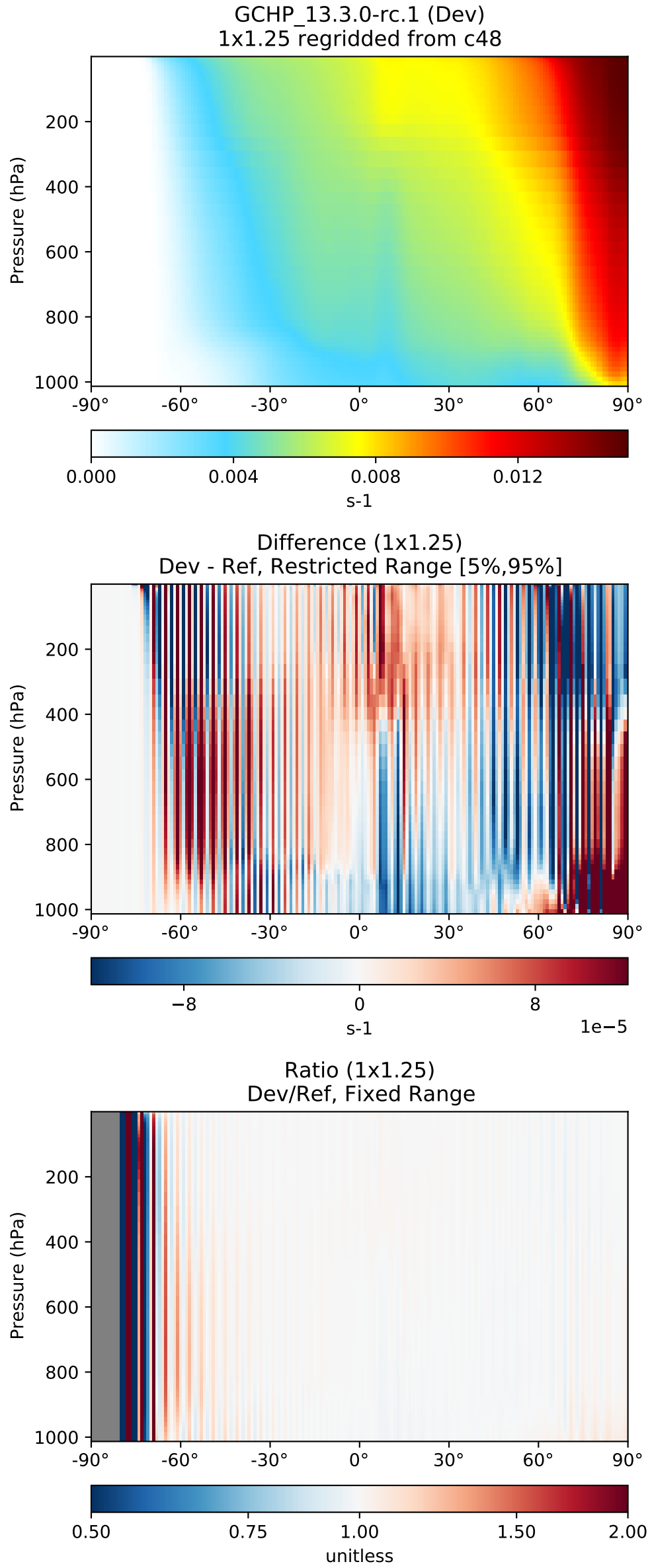




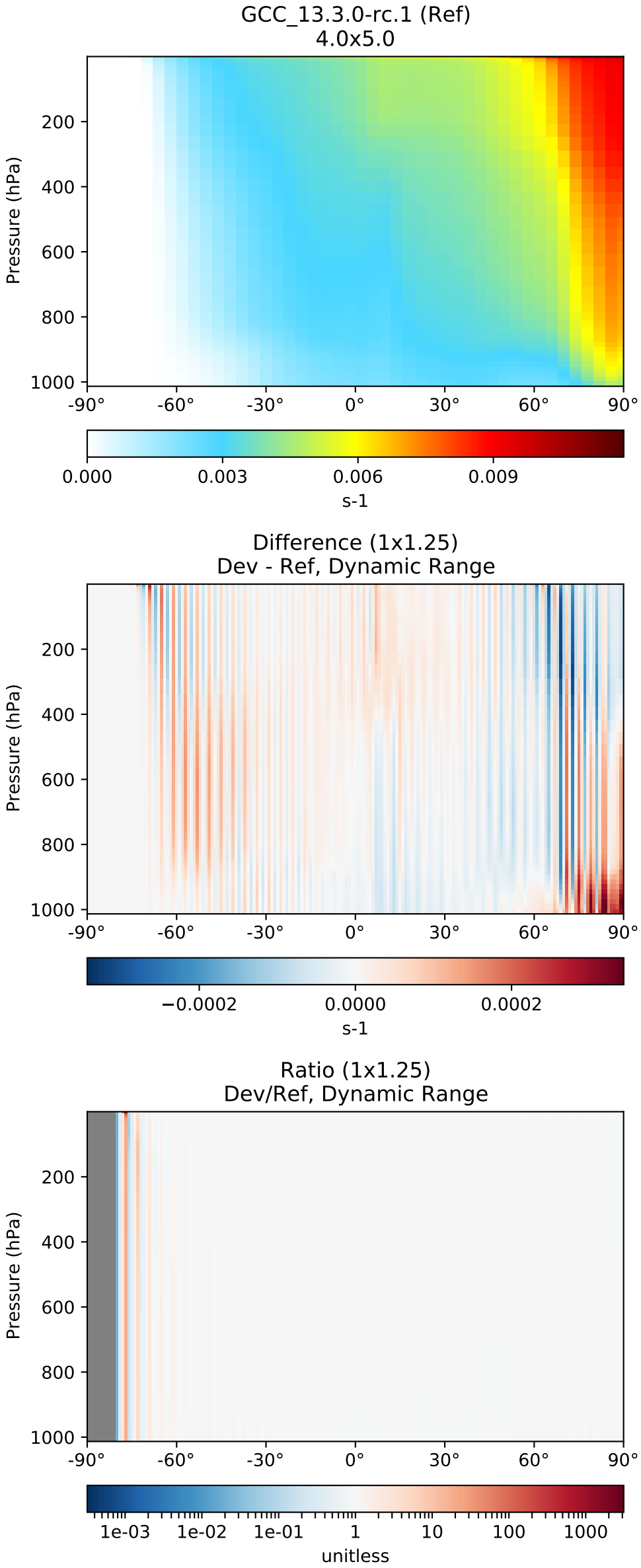


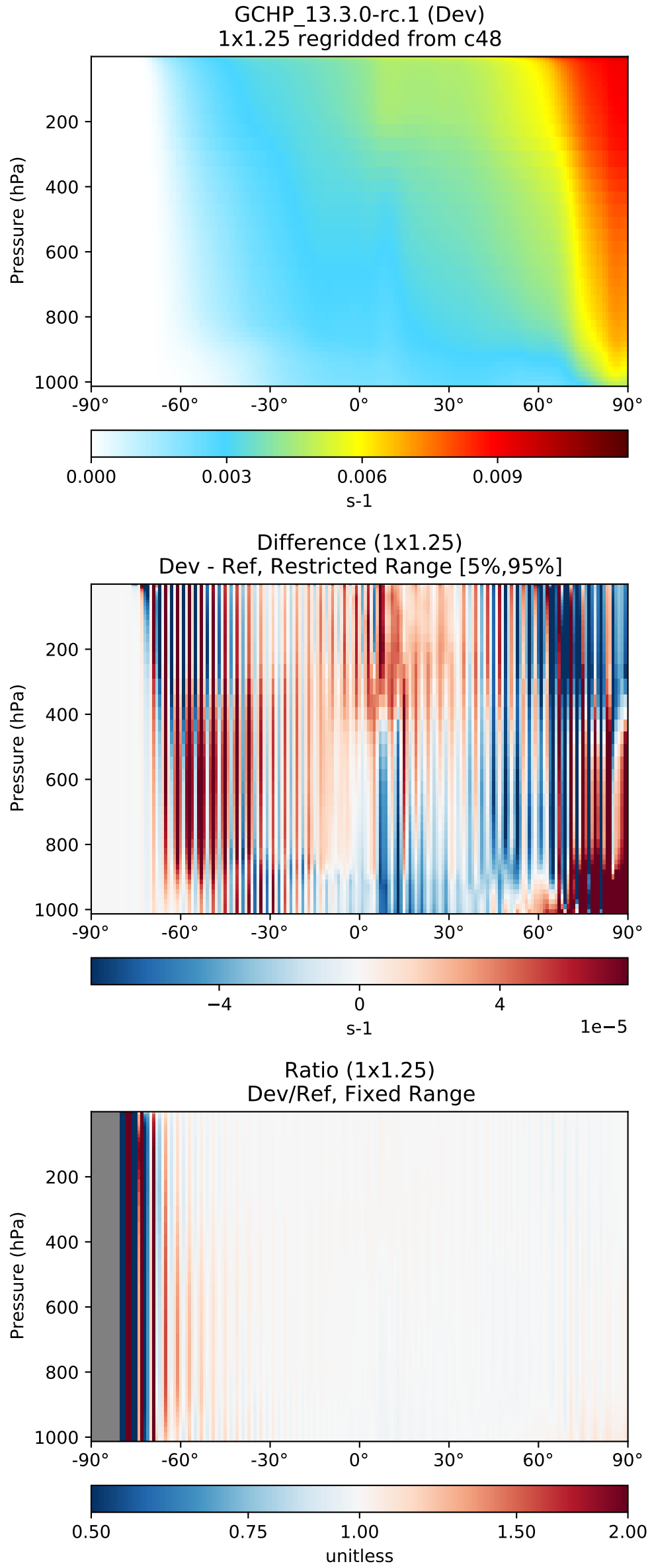
Jval_BrCl, Zonal Mean



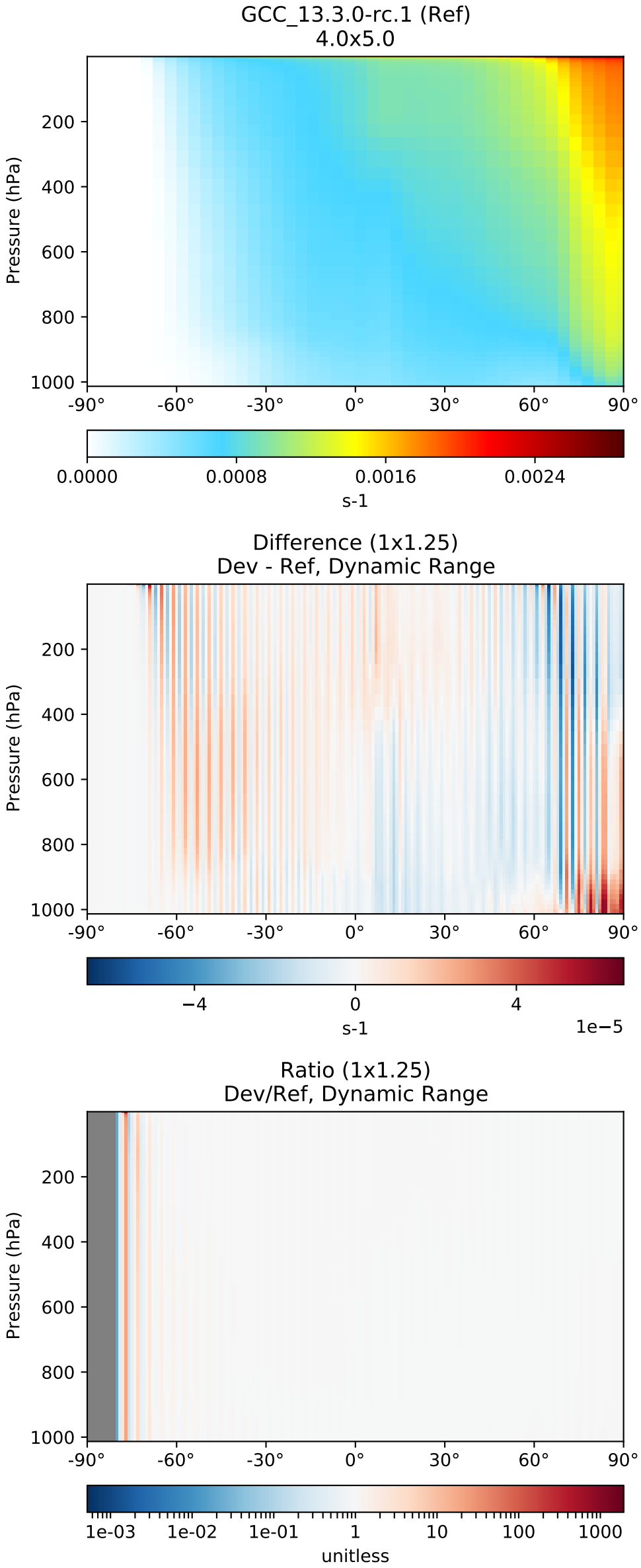


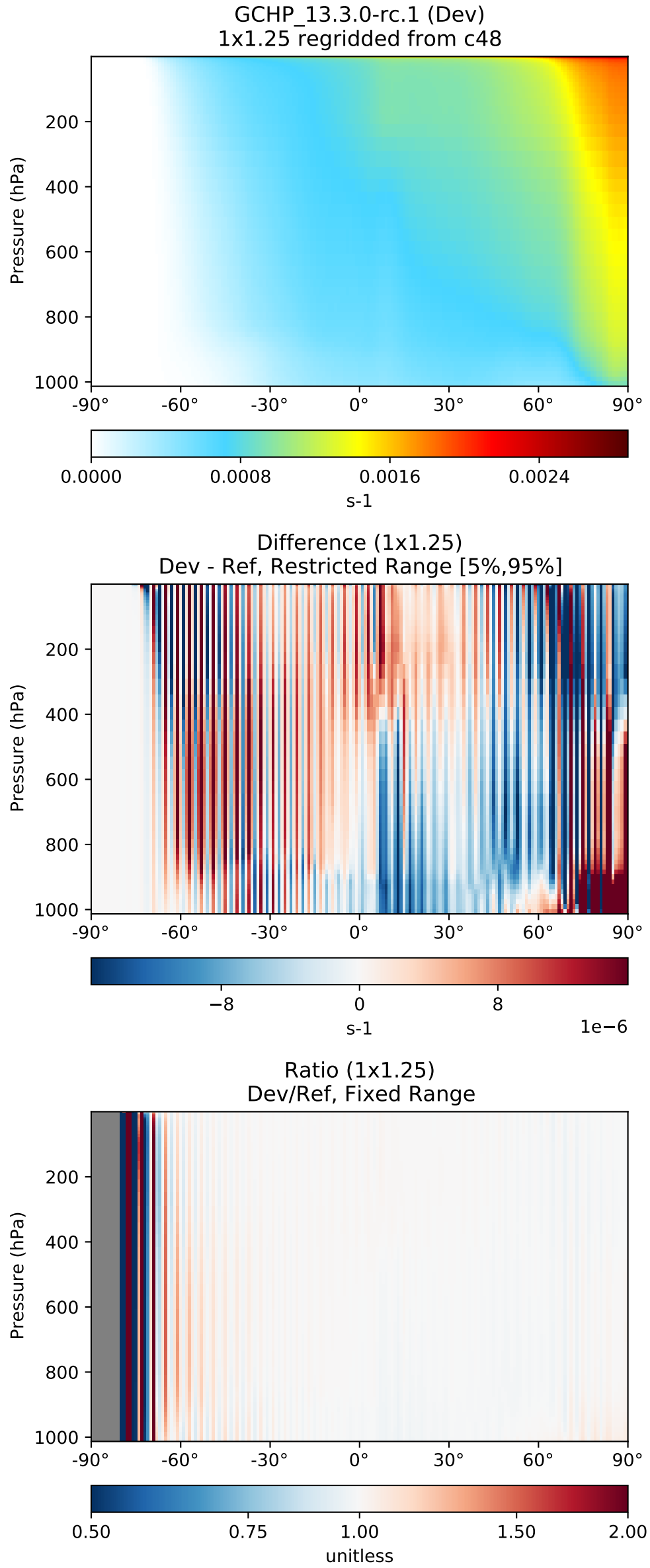
Jval_BrNO2, Zonal Mean



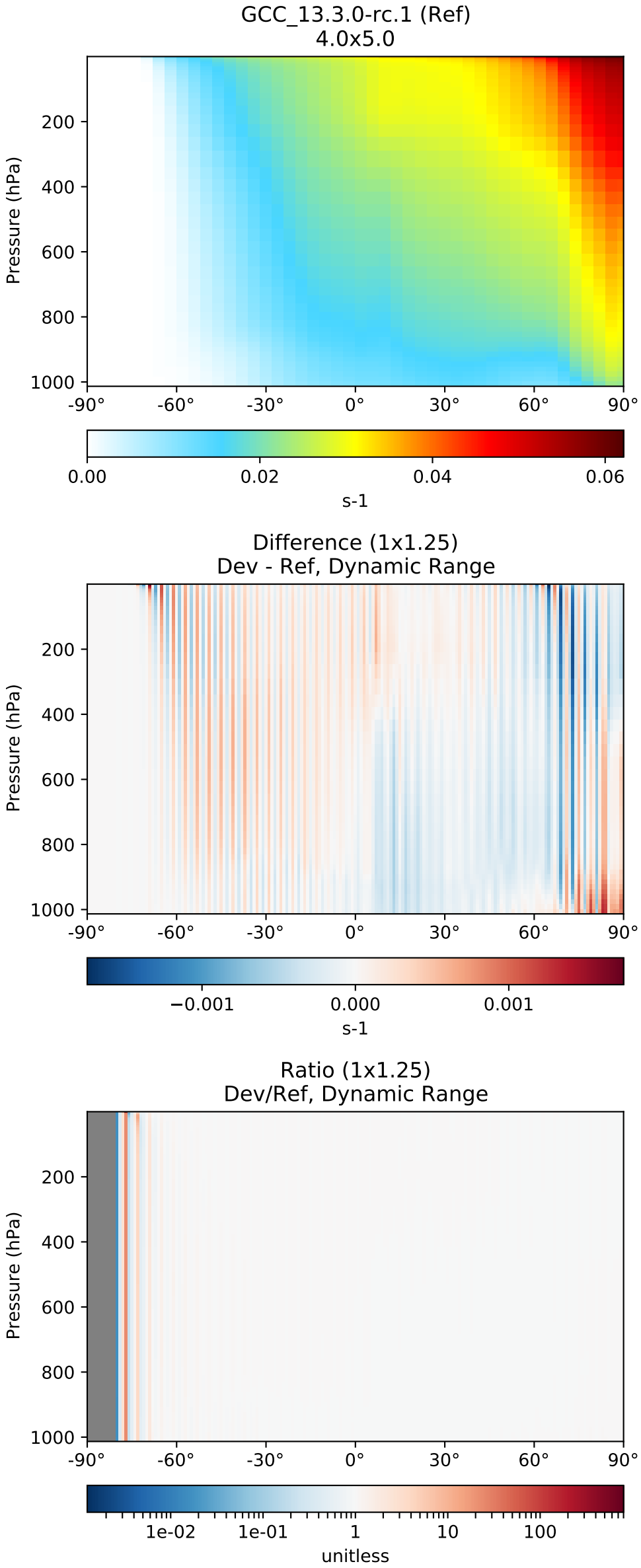


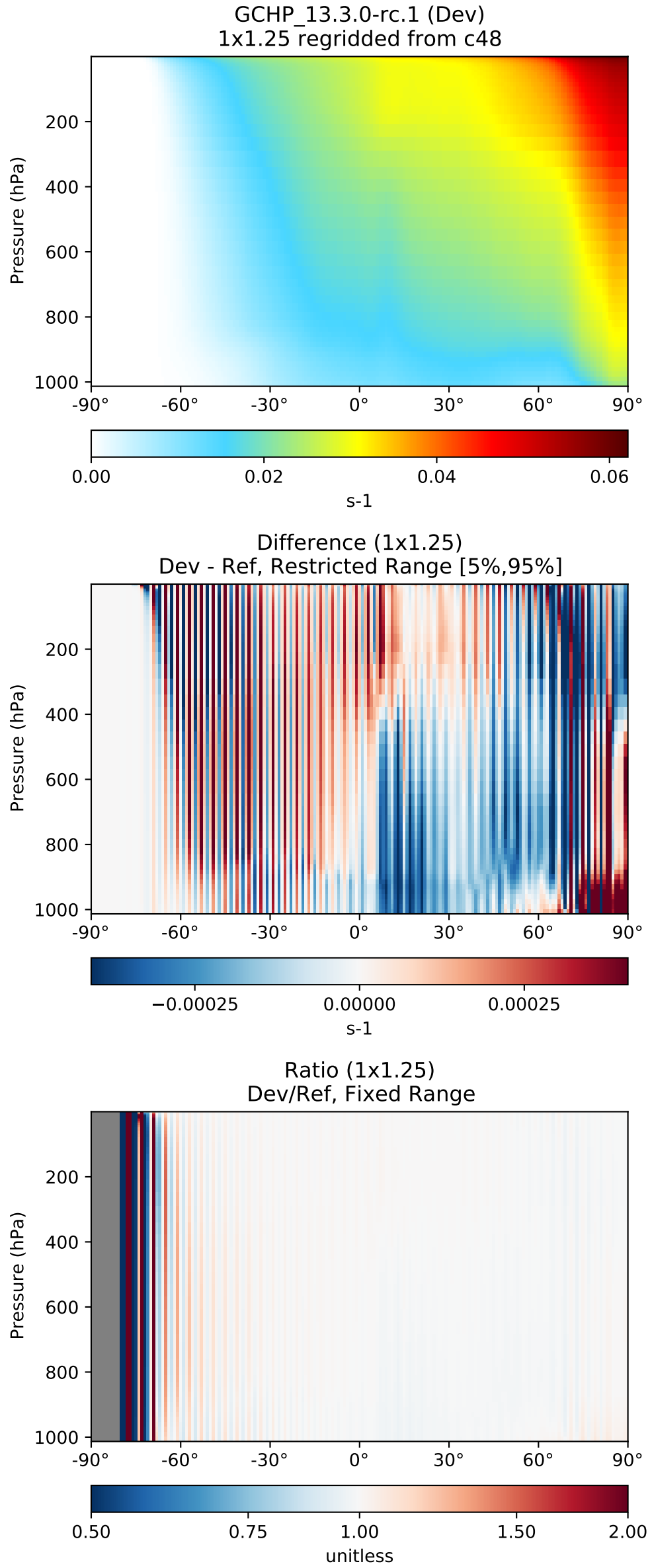
Jval_BrNO3, Zonal Mean



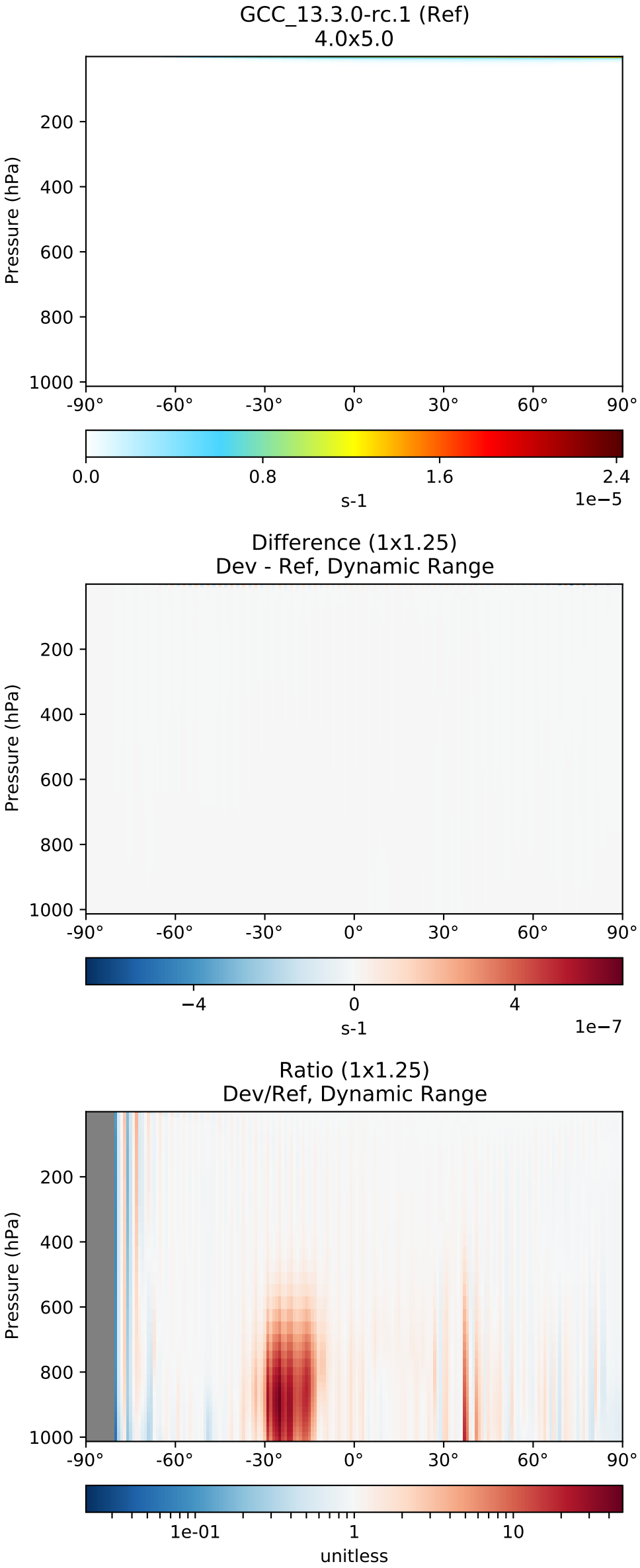


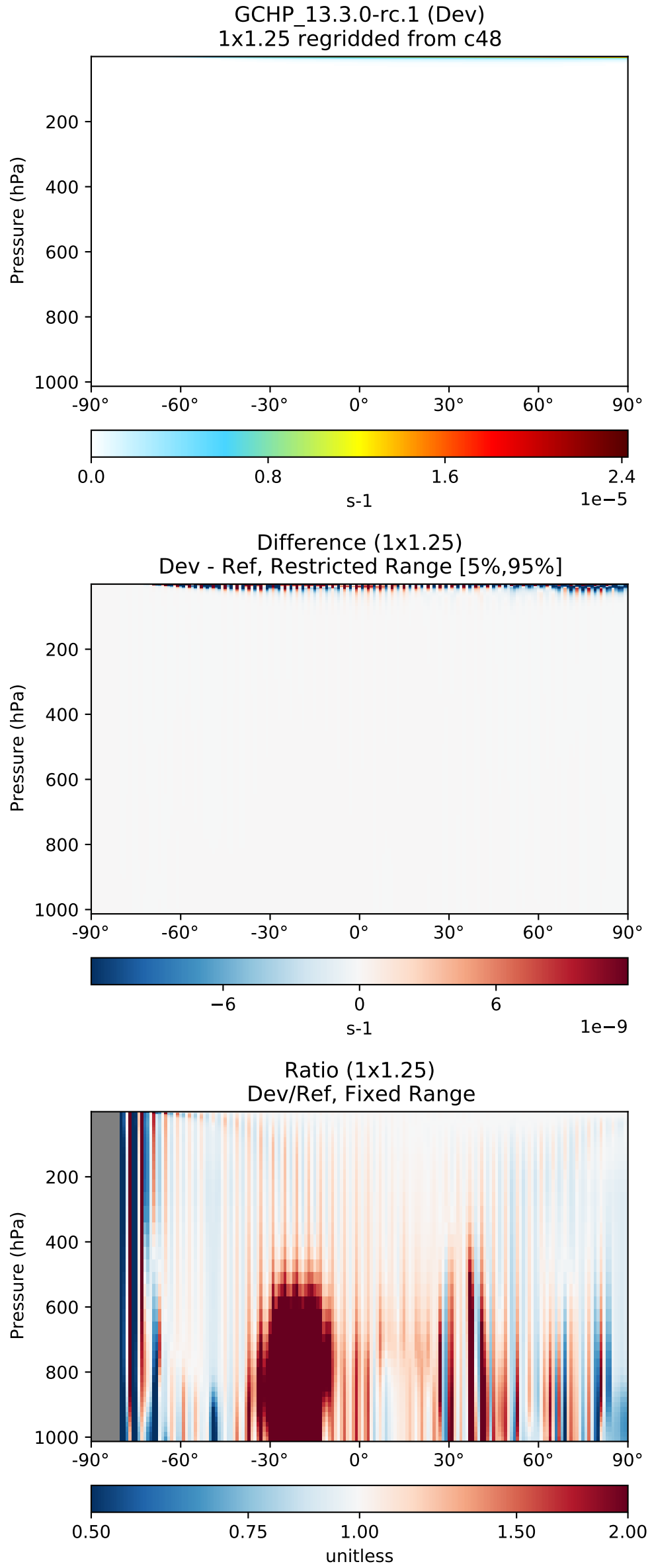
Jval_BrO, Zonal Mean



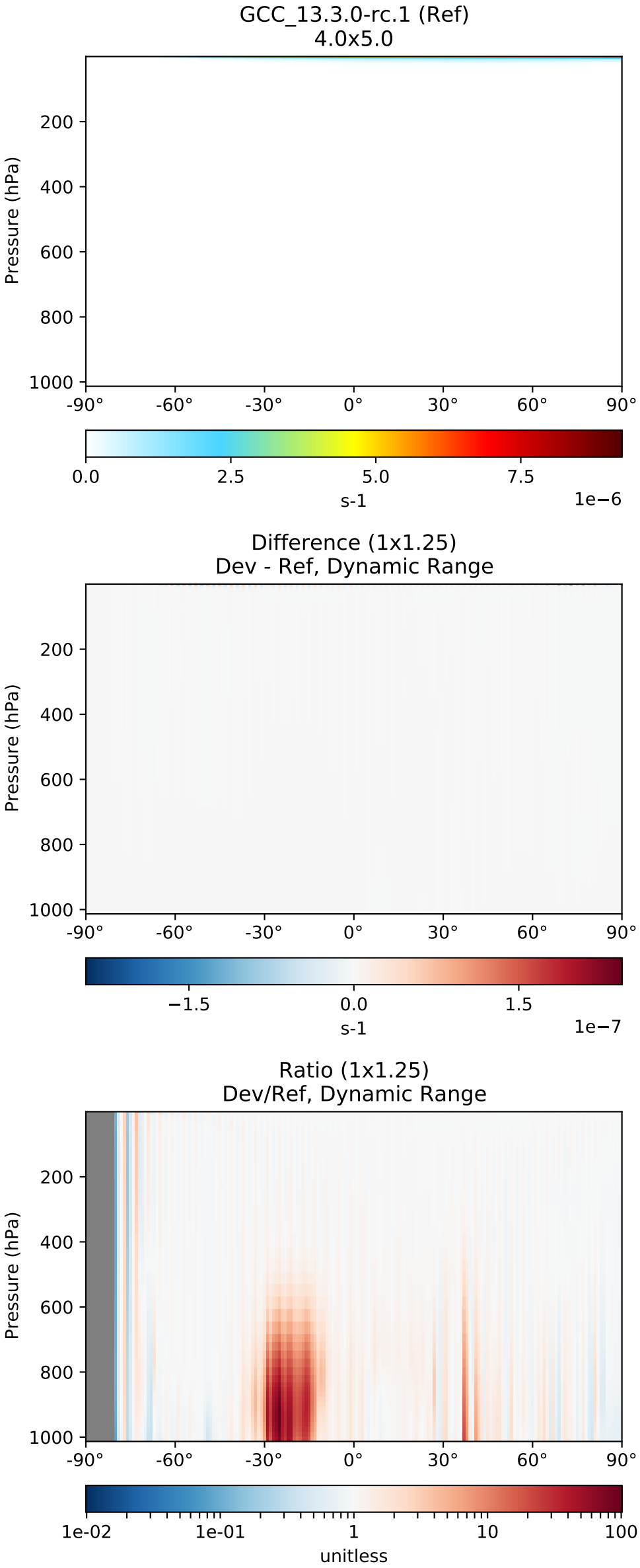


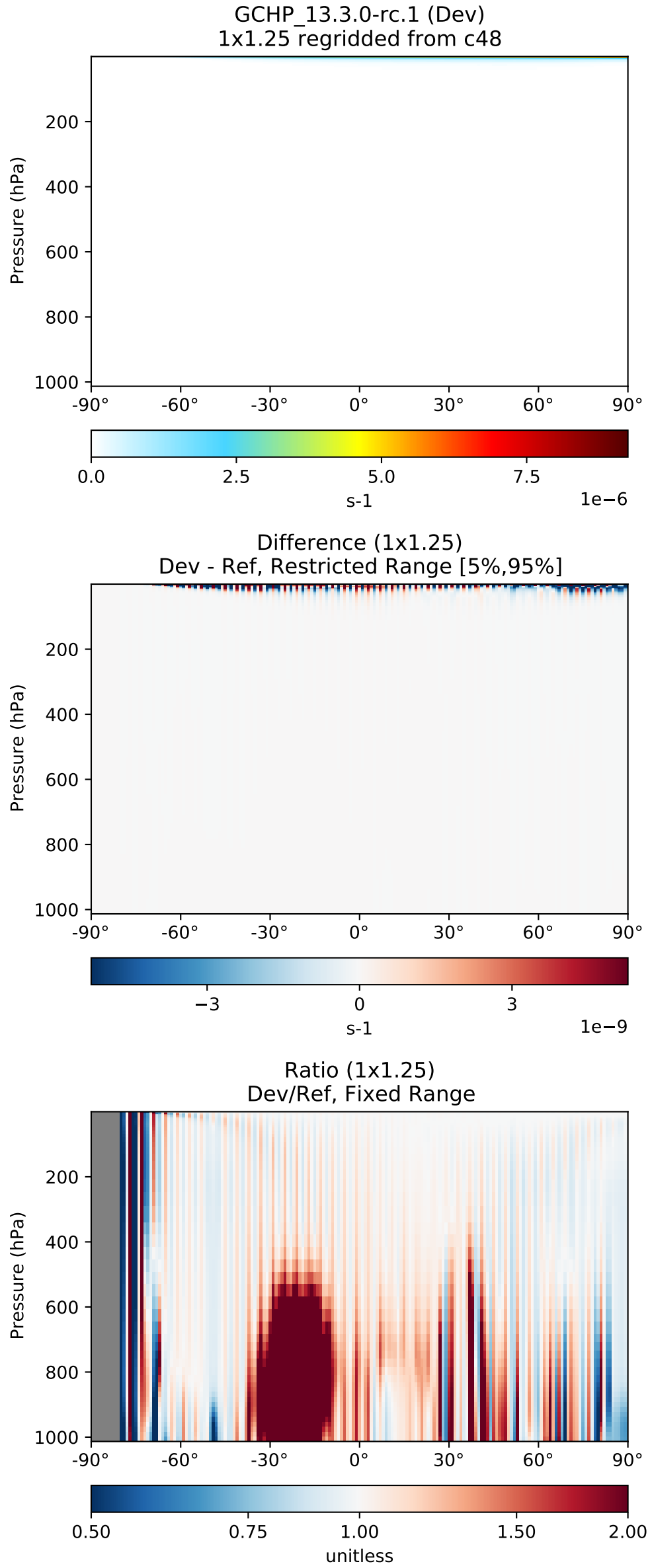
Jval_CCl4, Zonal Mean



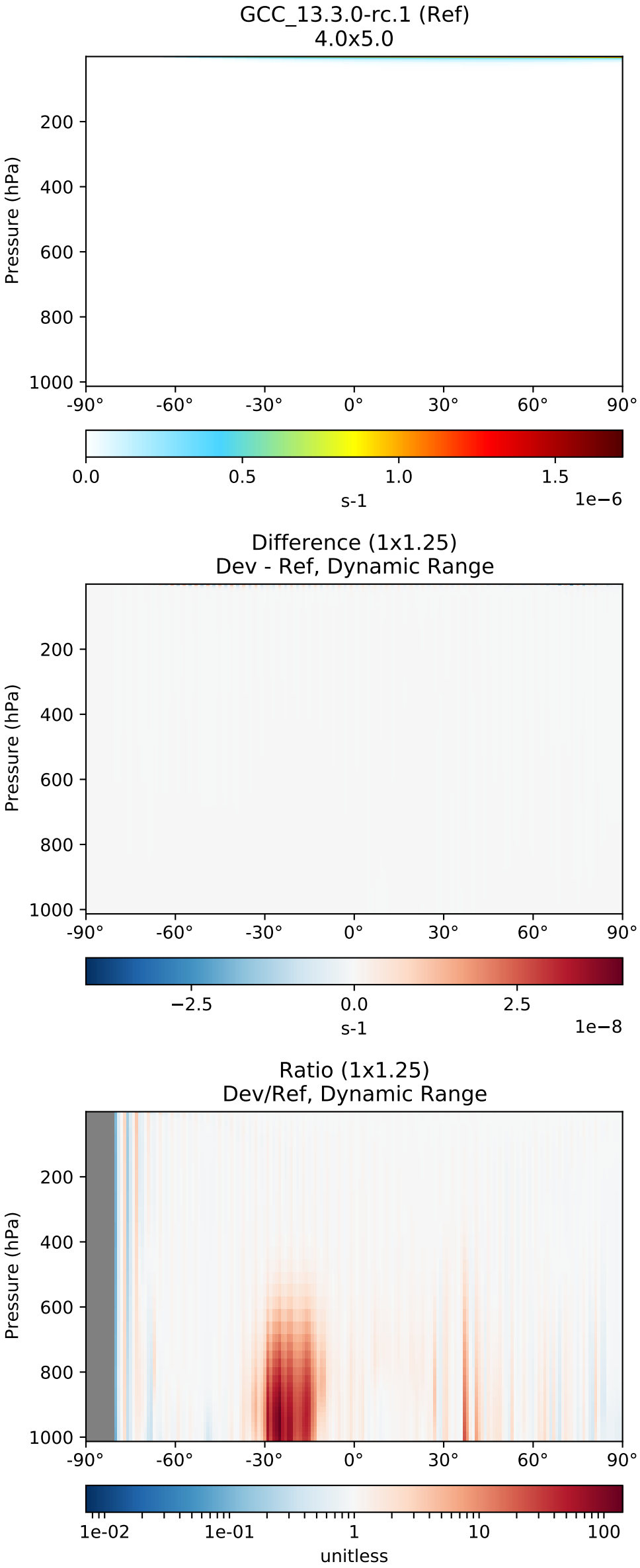


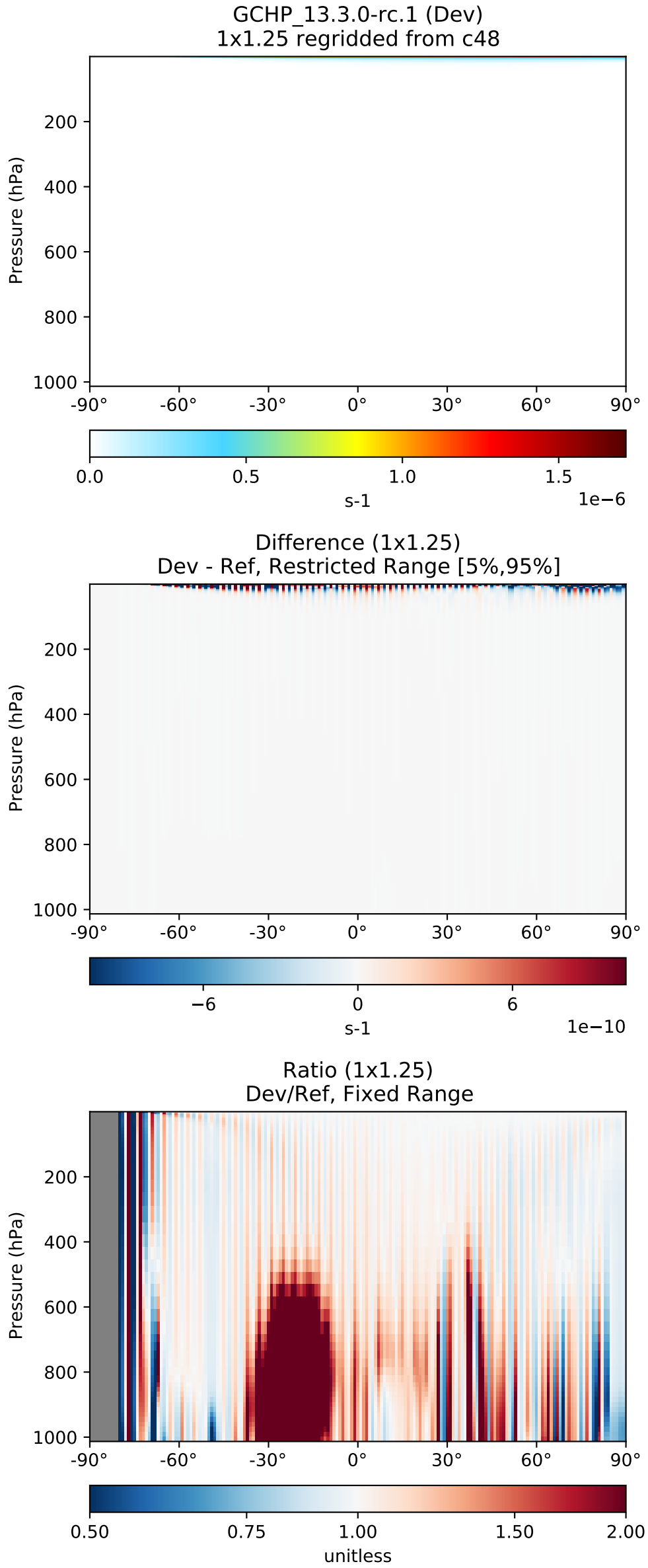
Jval_CFC11, Zonal Mean



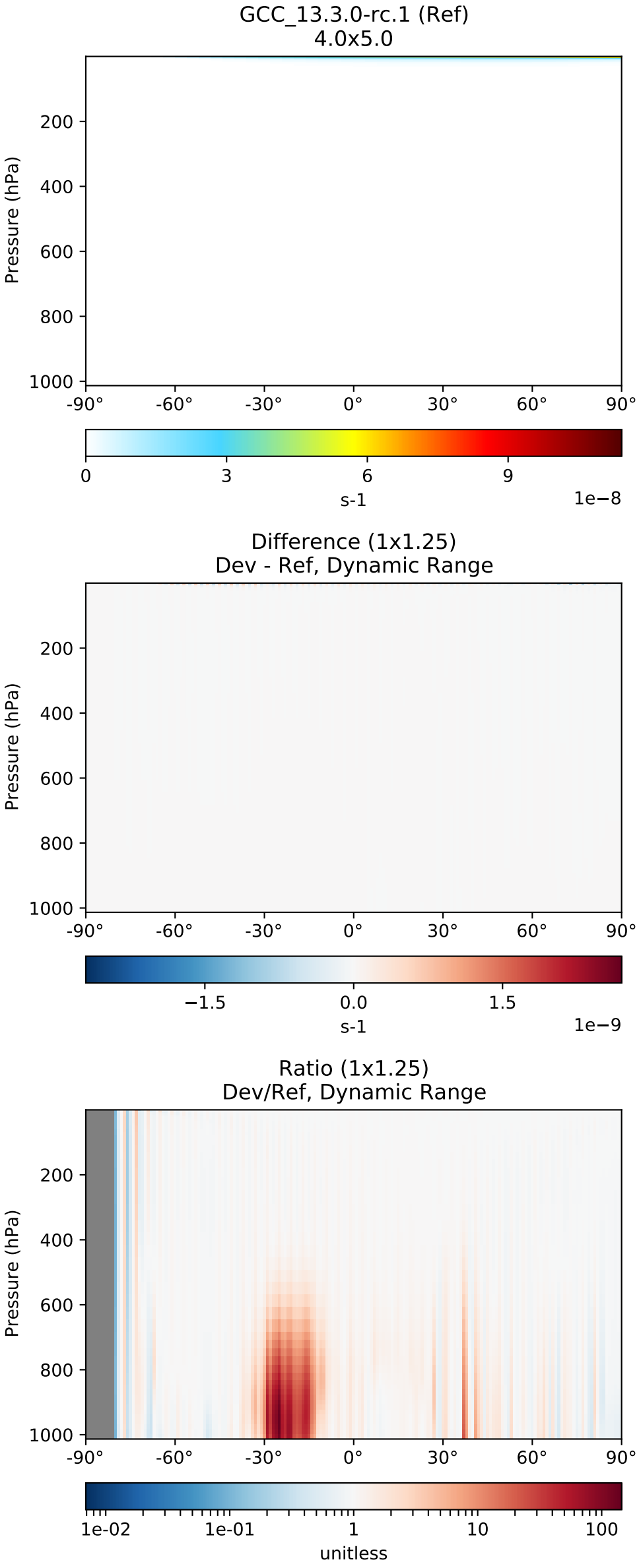


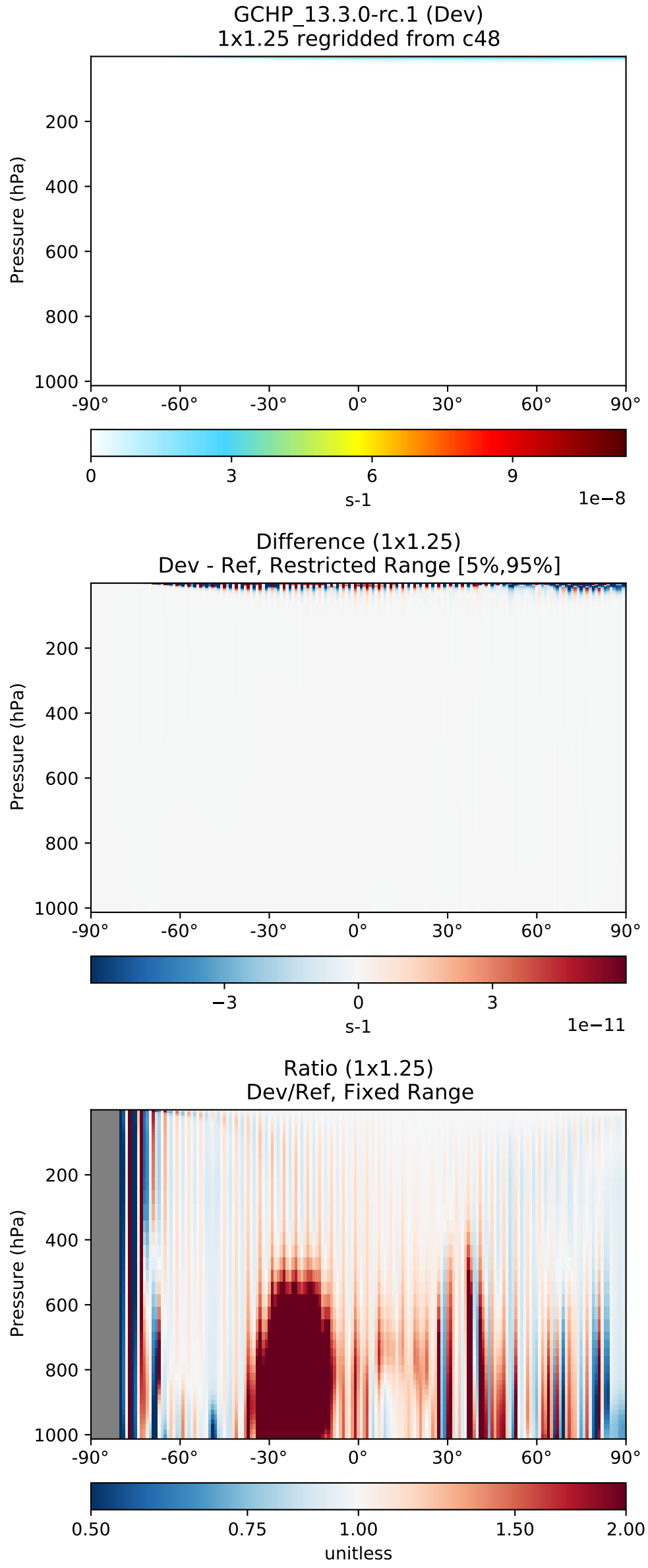
Jval_CFC113, Zonal Mean





Jval_CFC114, Zonal Mean

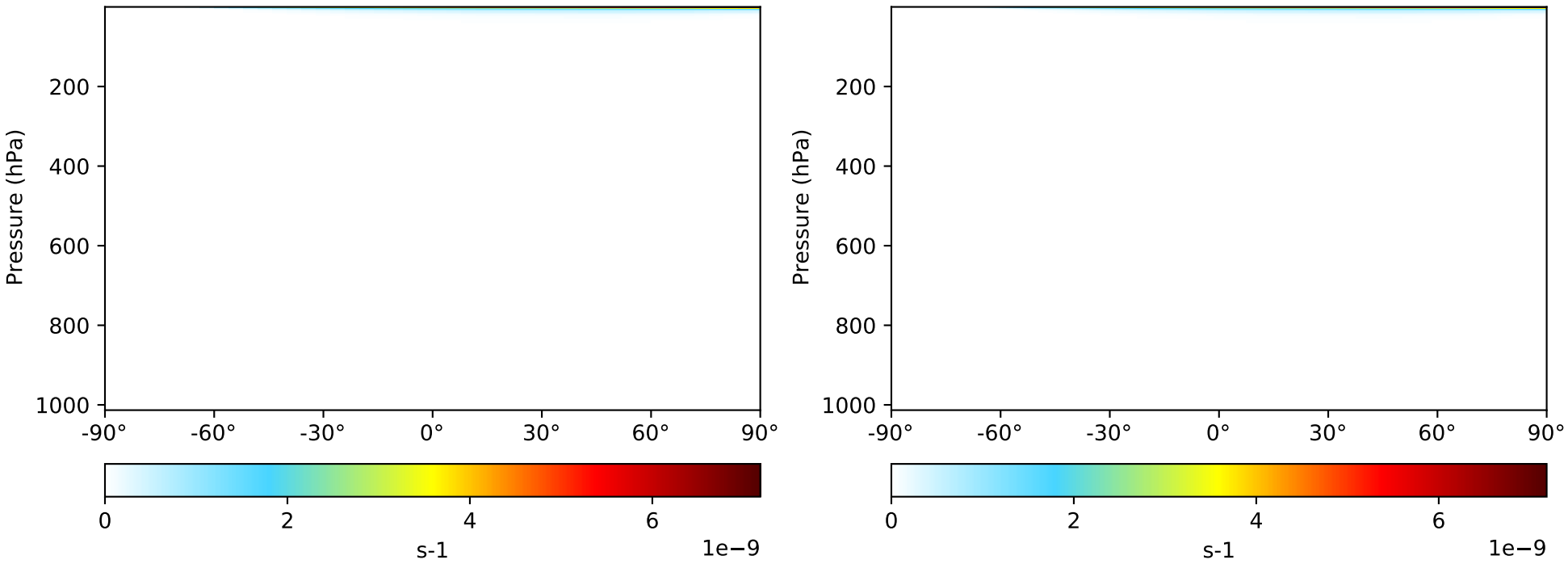




Jval_CFC115, Zonal Mean

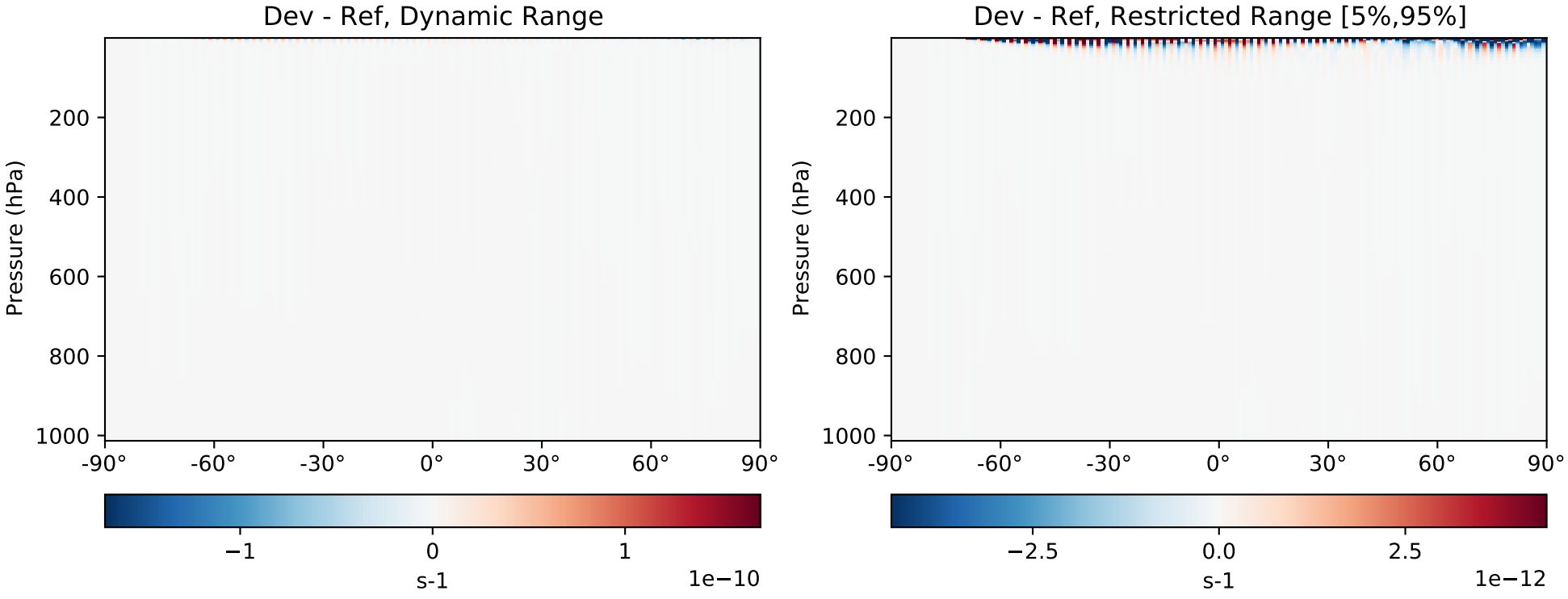
GCC_13.3.0-rc.1 (Ref)
4.0x5.0

GCHP_13.3.0-rc.1 (Dev)
1x1.25 regridded from c48



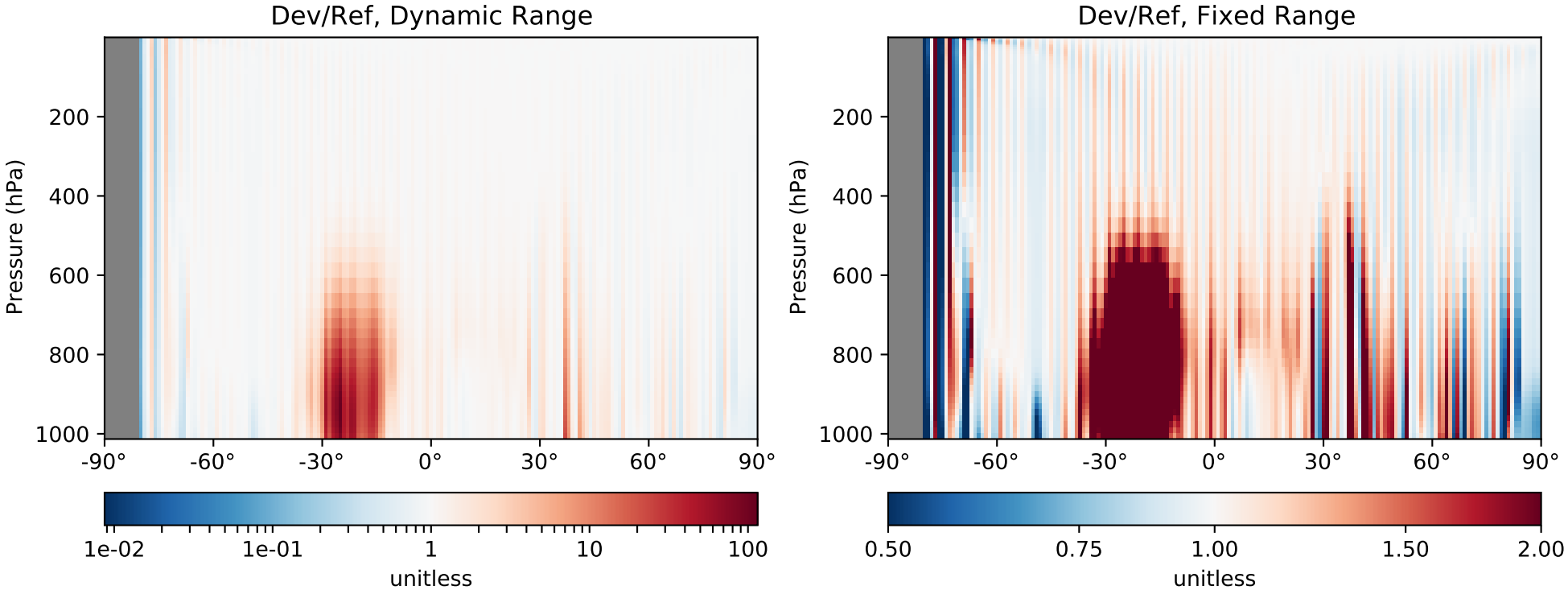
Difference (1x1.25)
Dev - Ref, Dynamic Range

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

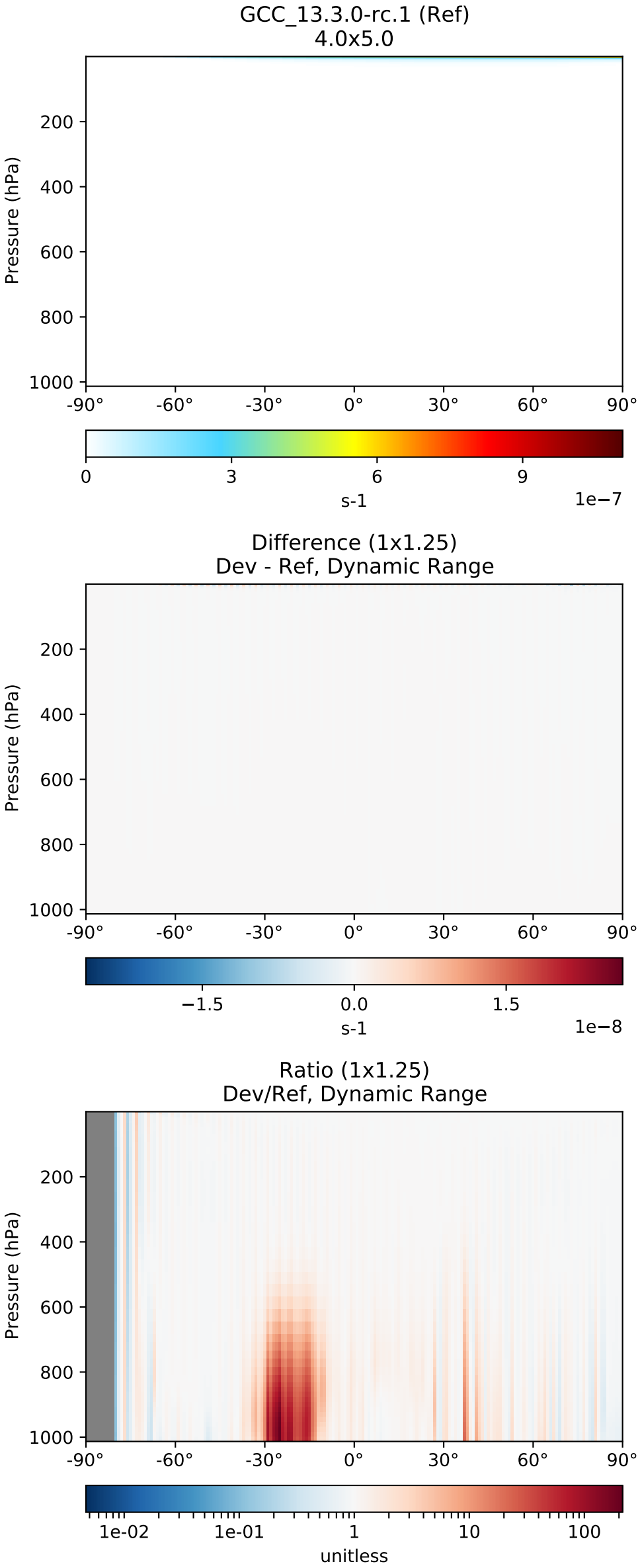


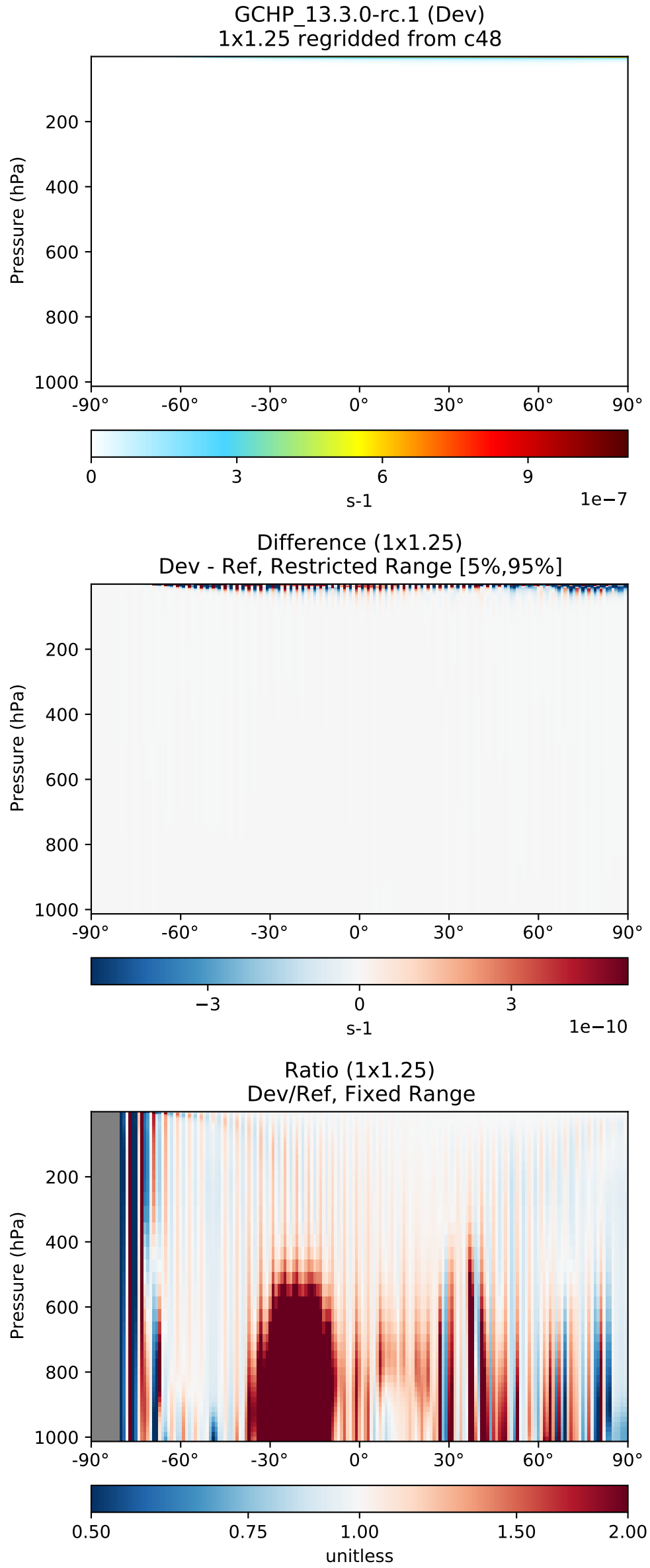
Ratio (1x1.25)
Dev/Ref, Dynamic Range

Ratio (1x1.25)
Dev/Ref, Fixed Range

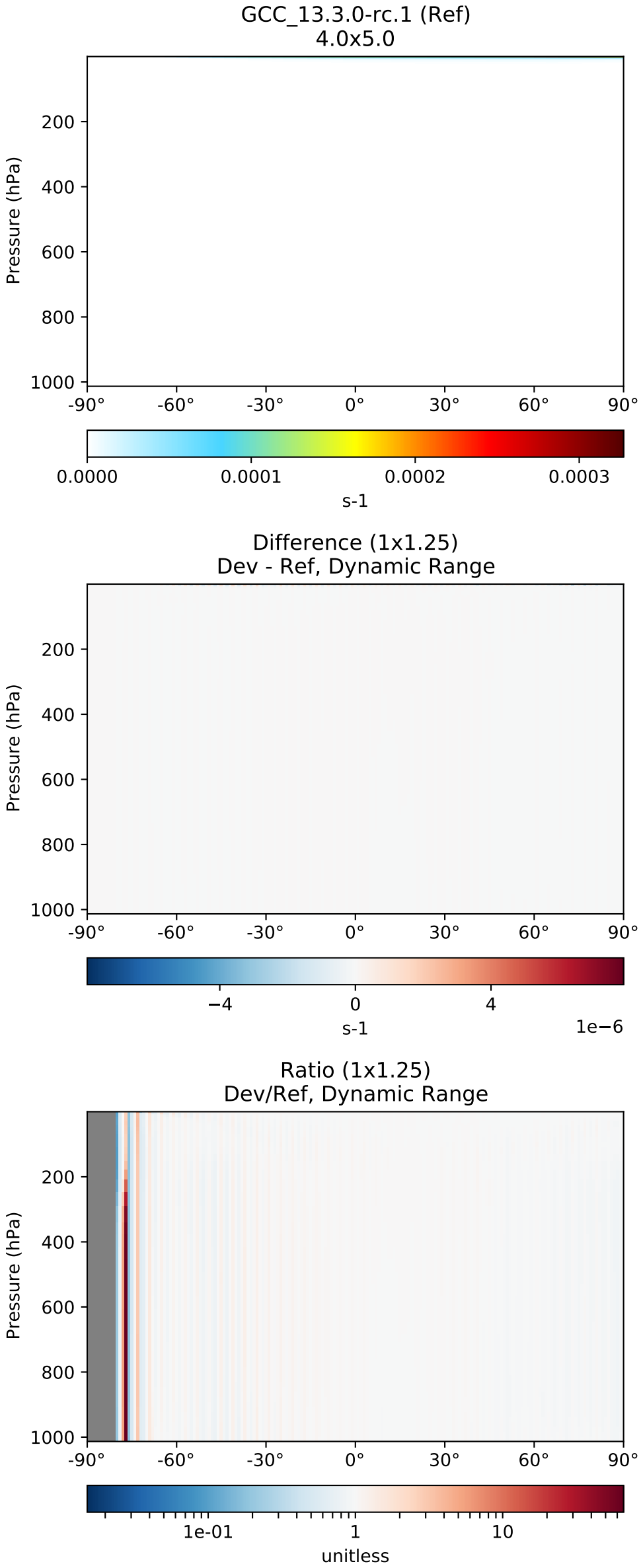


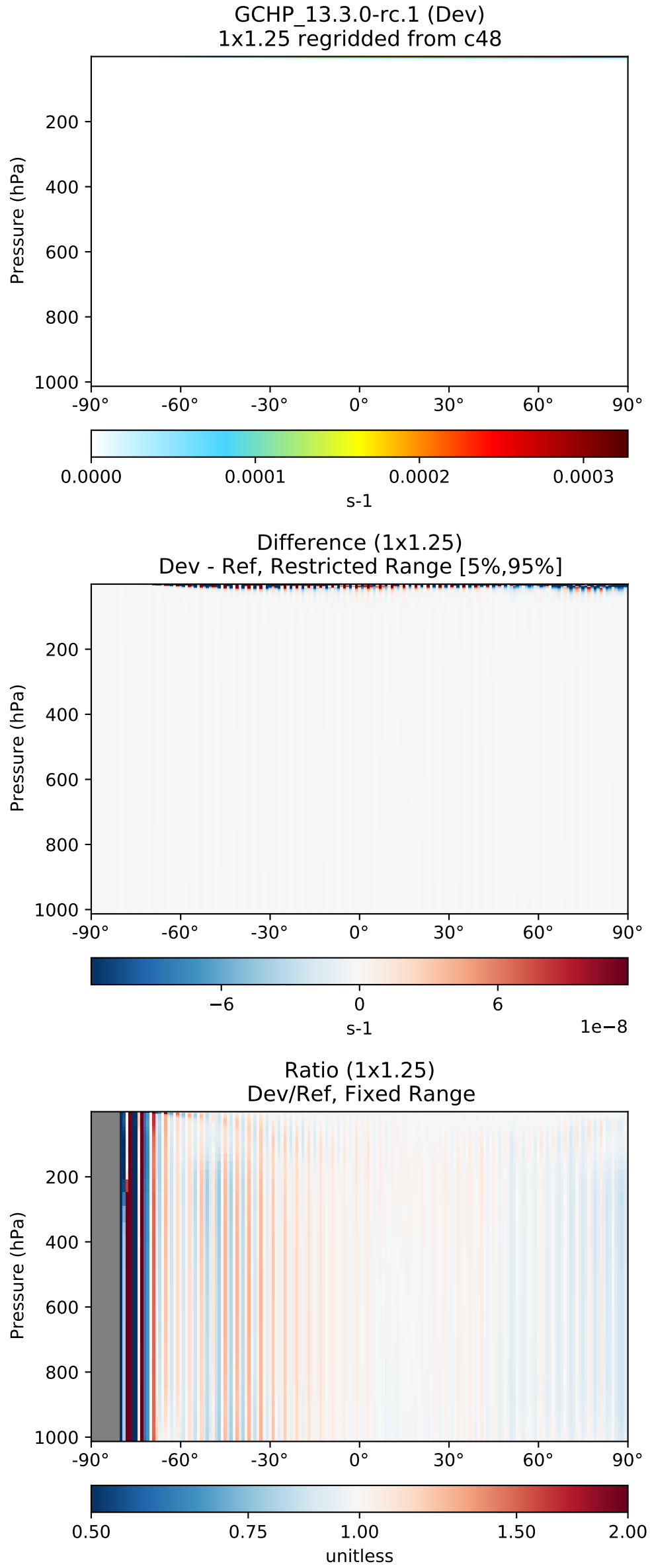
Jval_CFC12, Zonal Mean



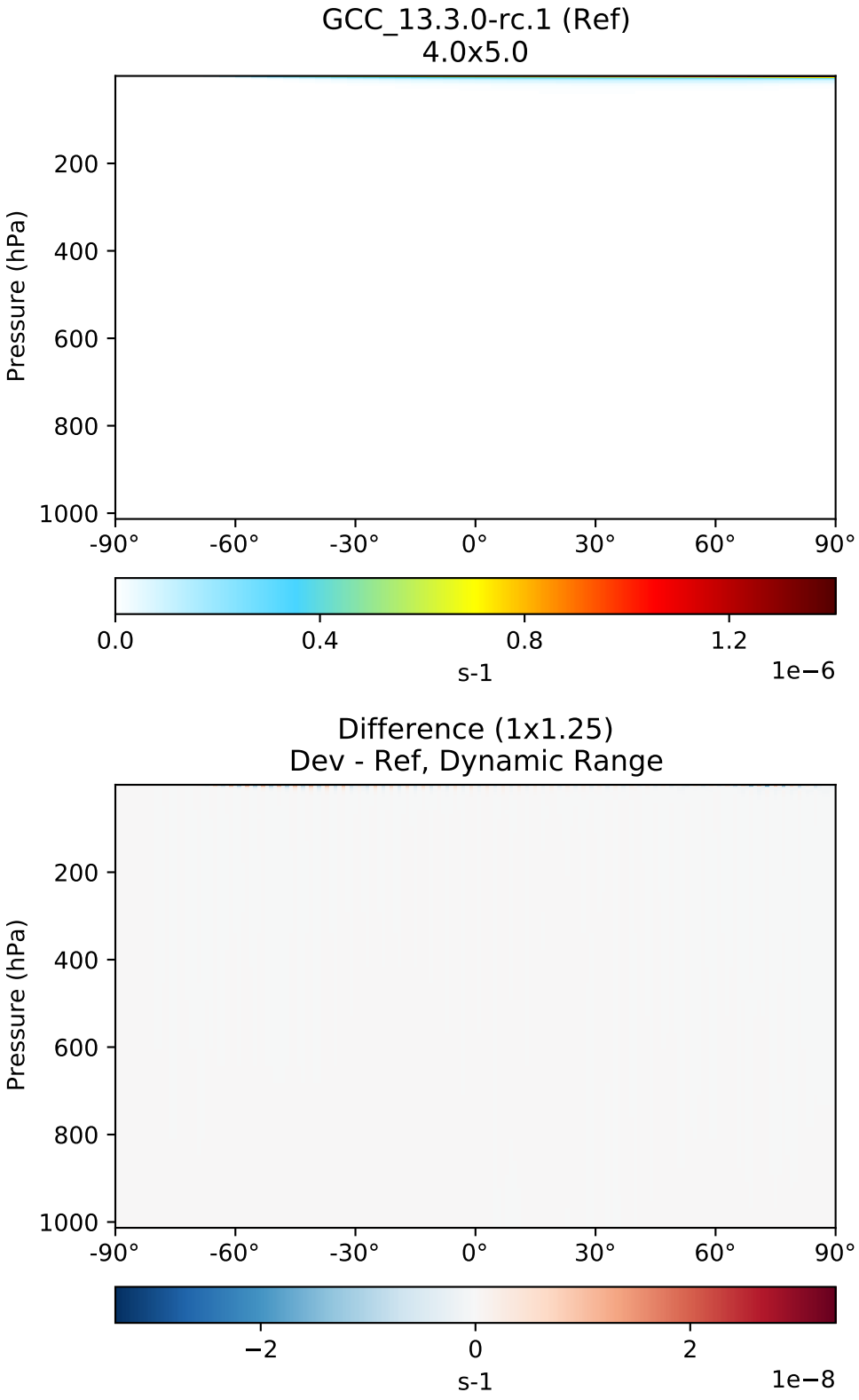


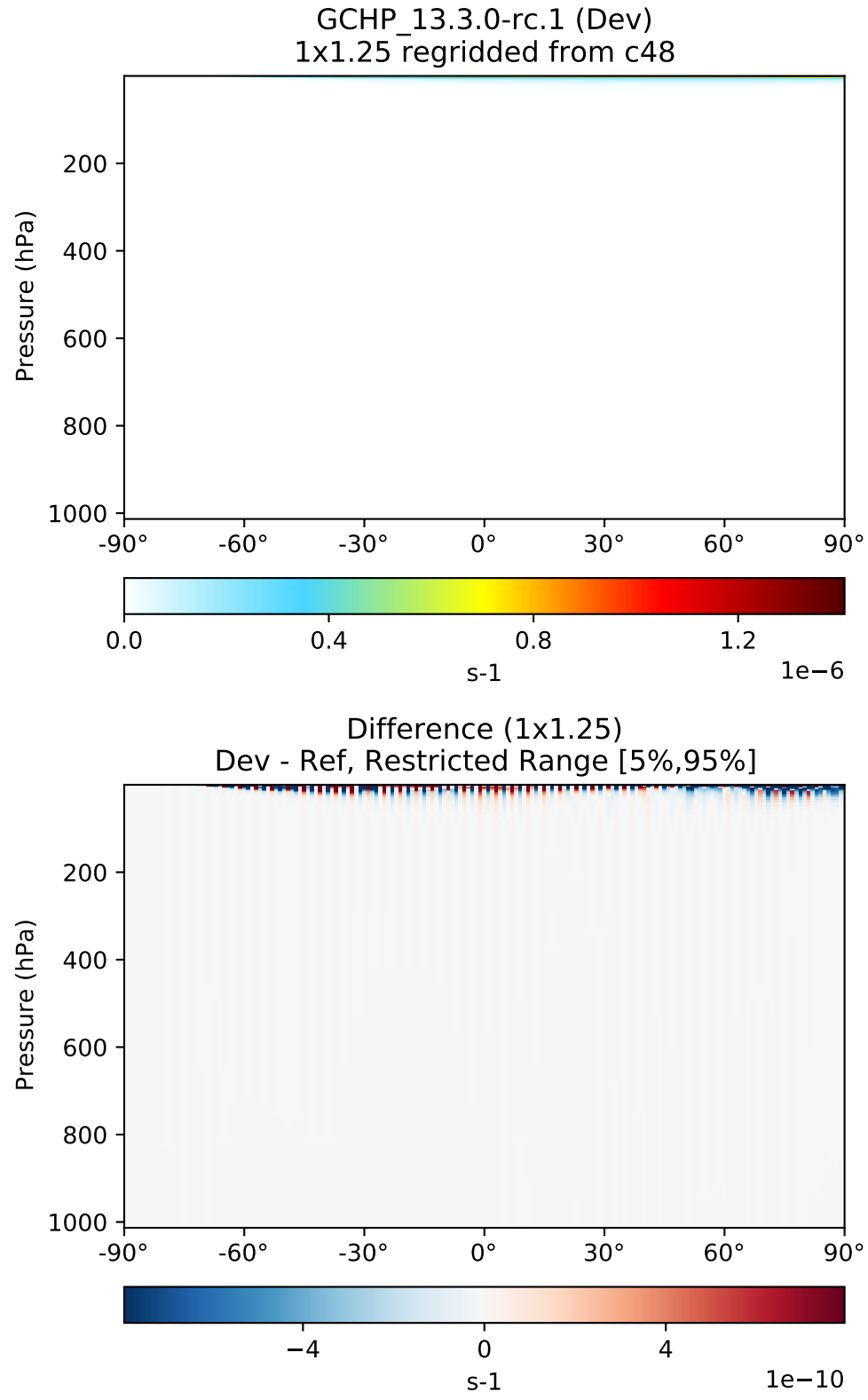
Jval_CH2Br2, Zonal Mean

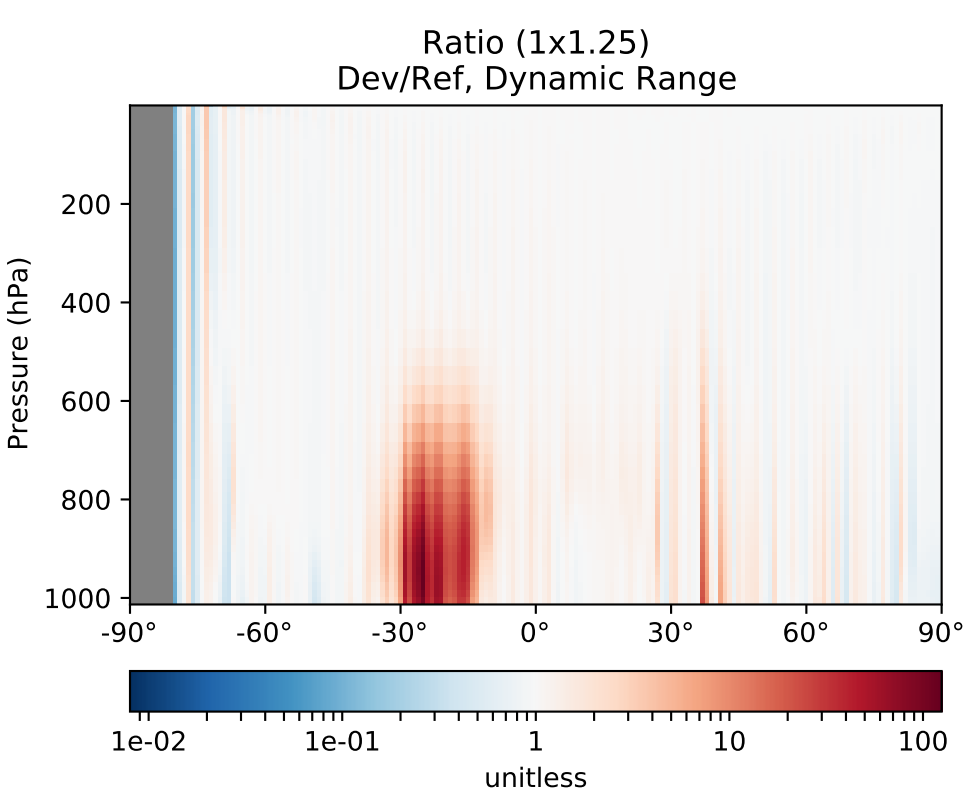


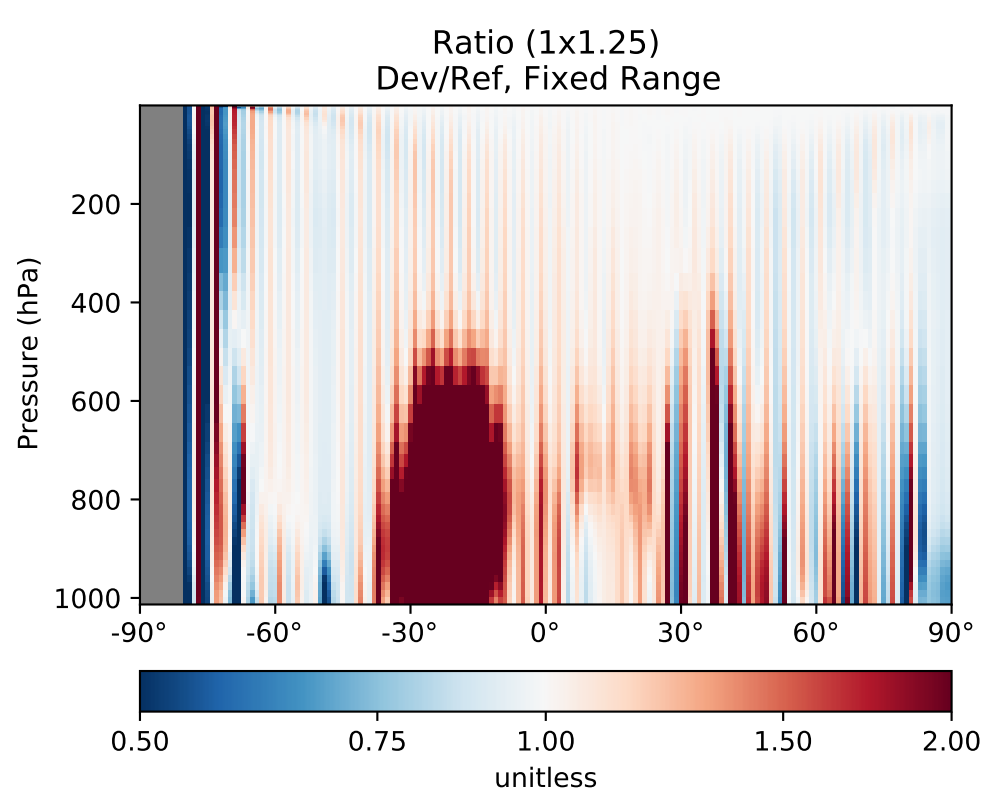


Jval_CH2Cl2, Zonal Mean

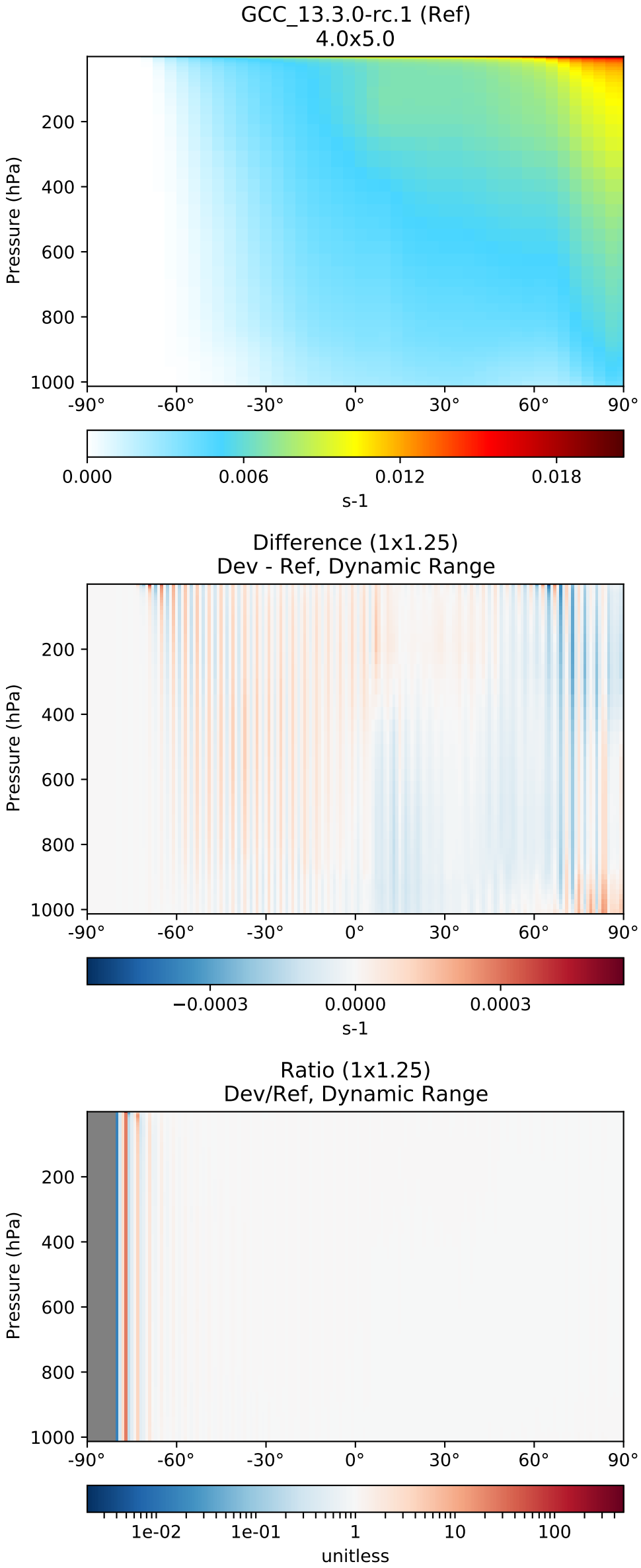


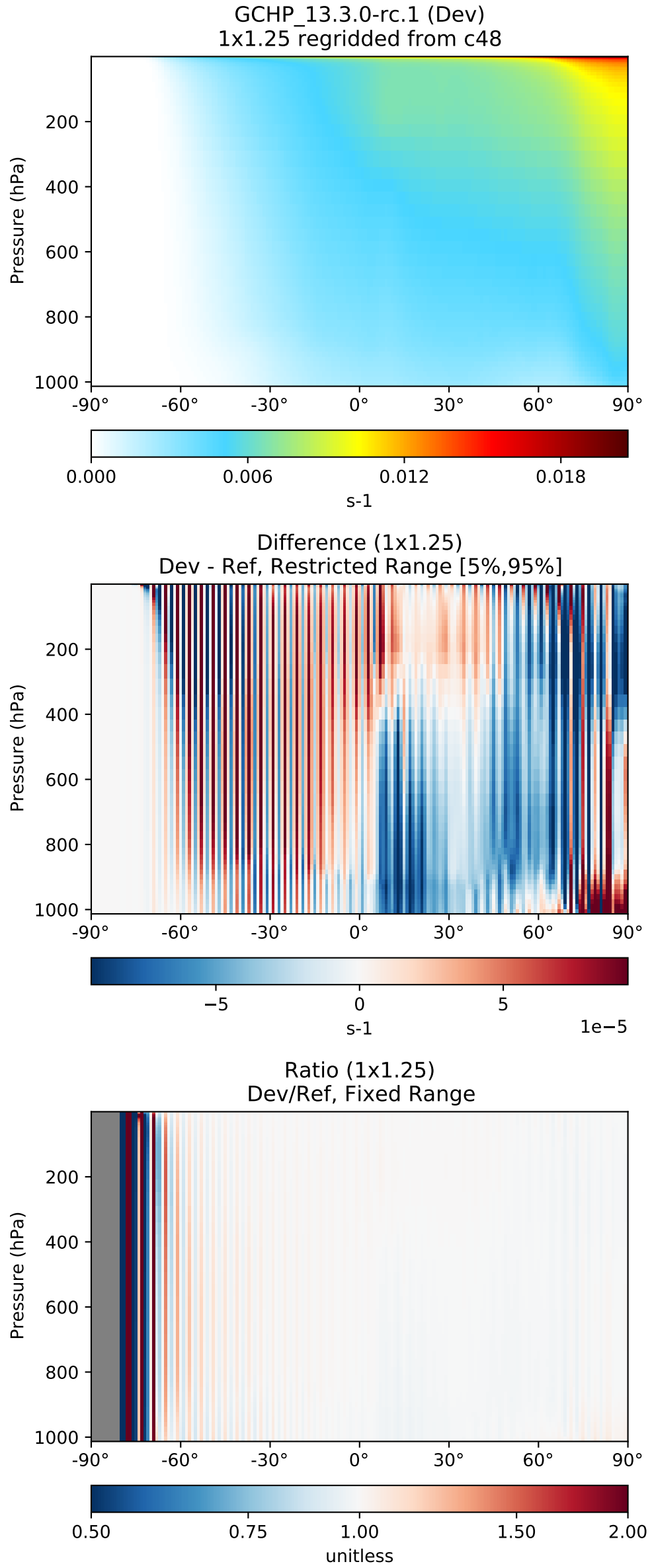




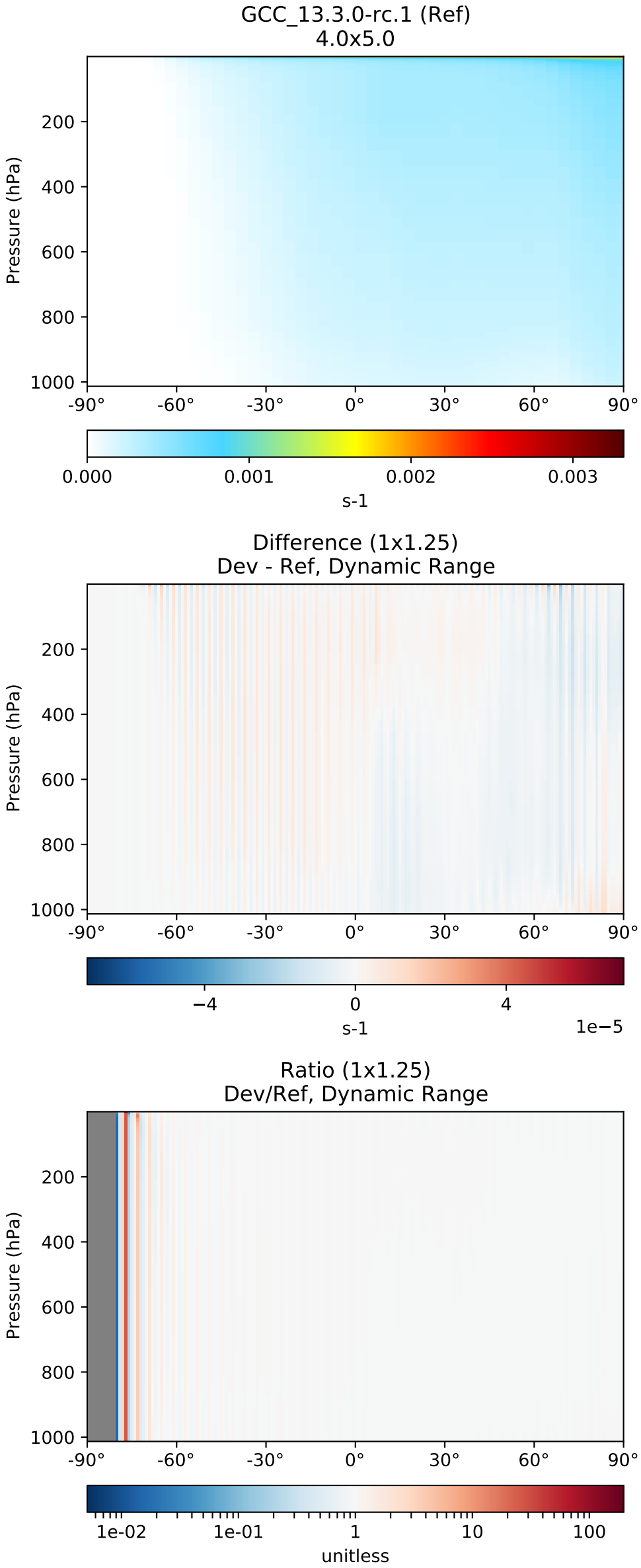


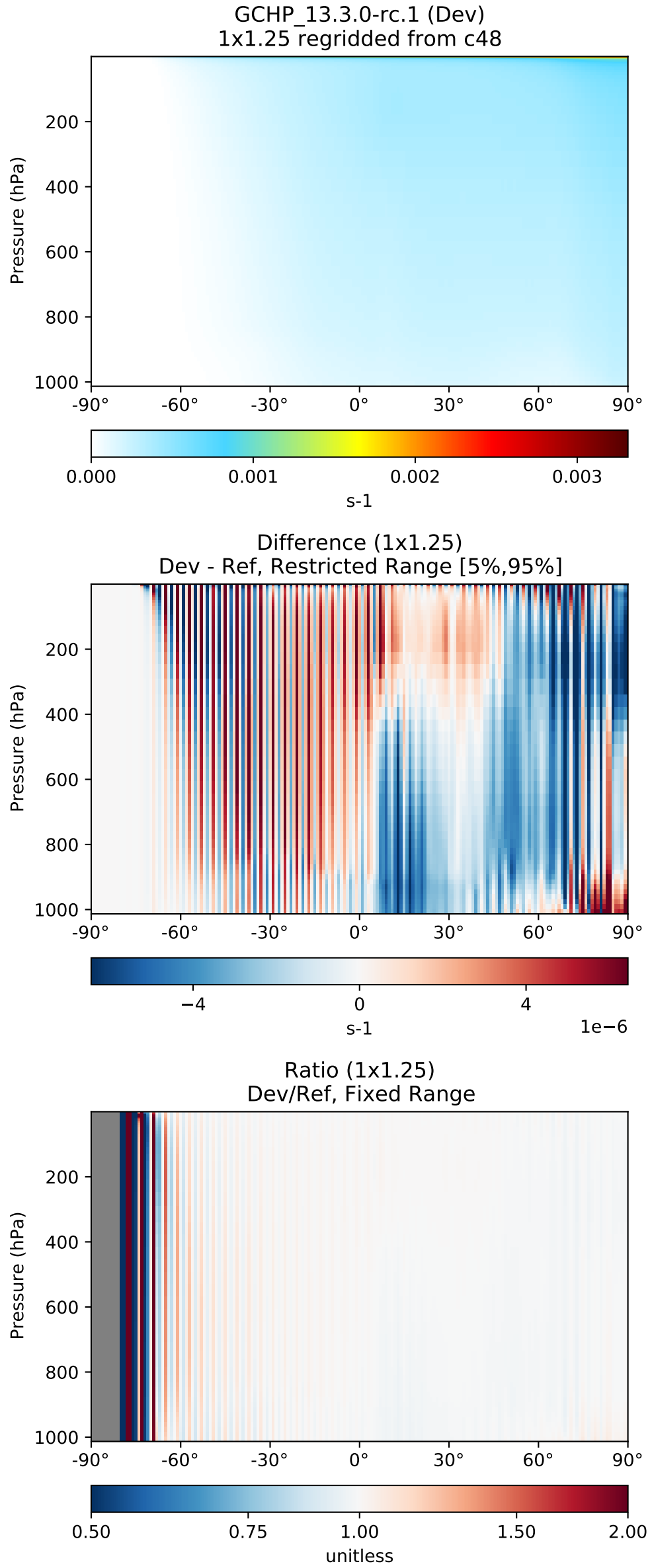
Jval_CH2I2, Zonal Mean



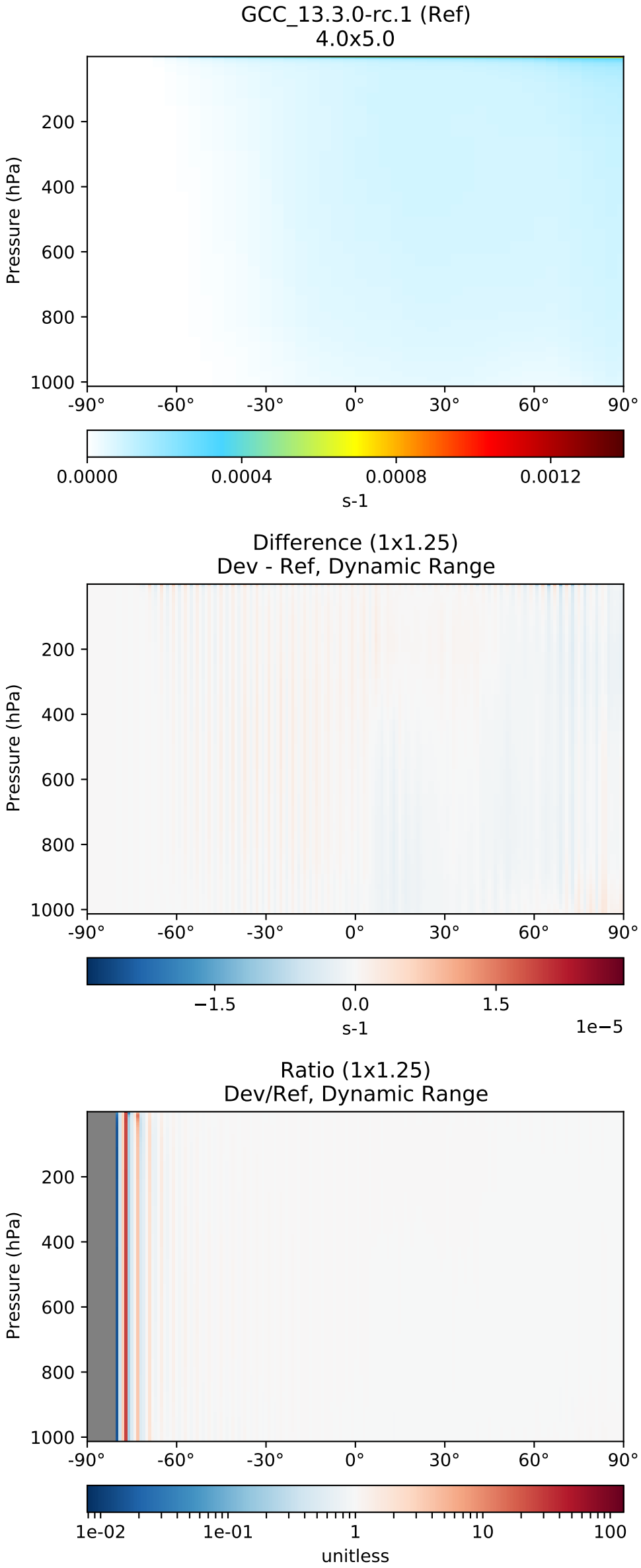


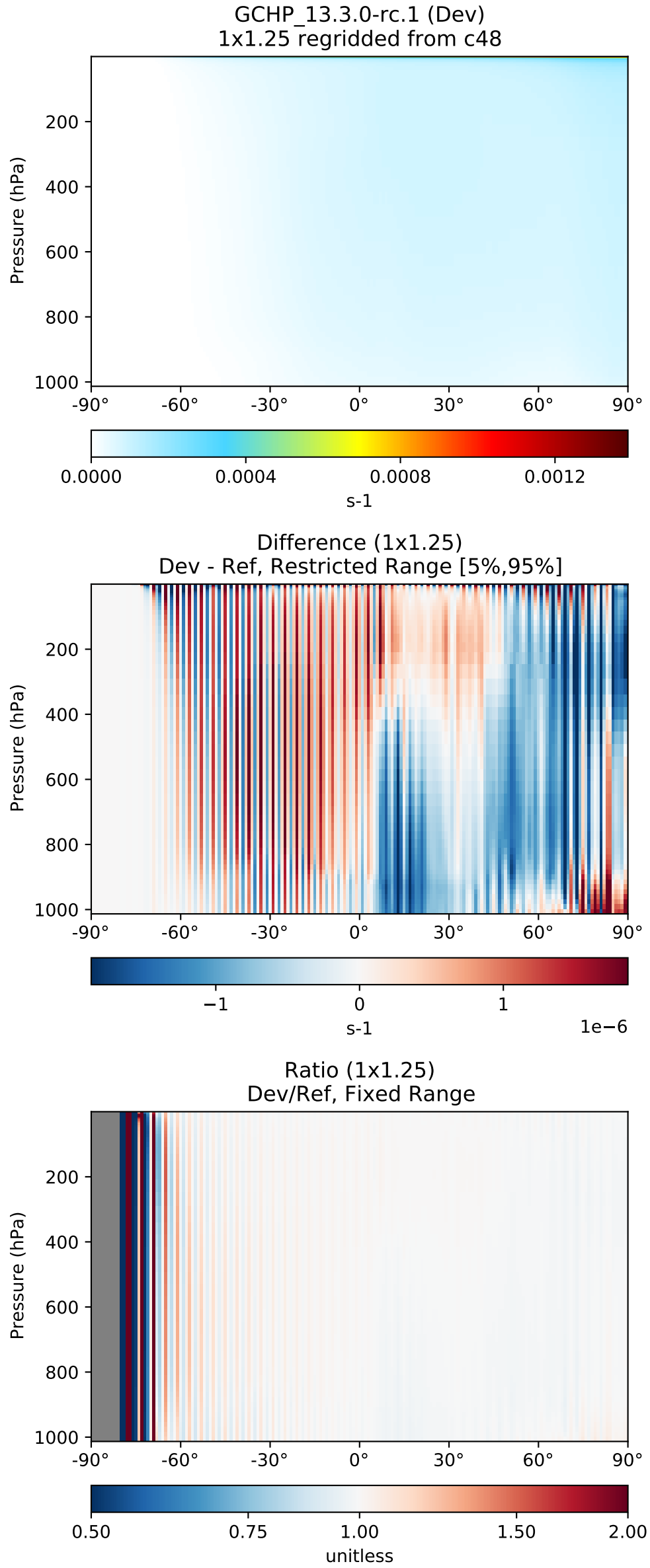
Jval_CH2IBr, Zonal Mean



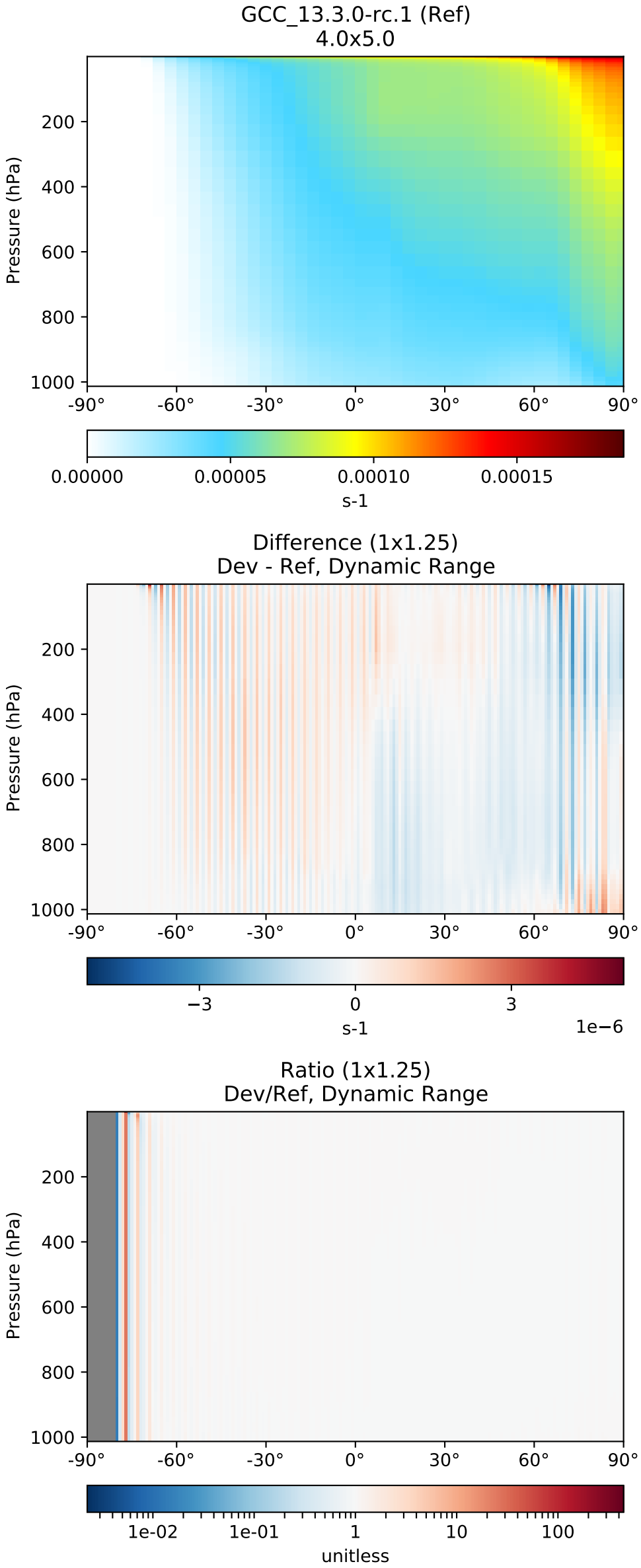


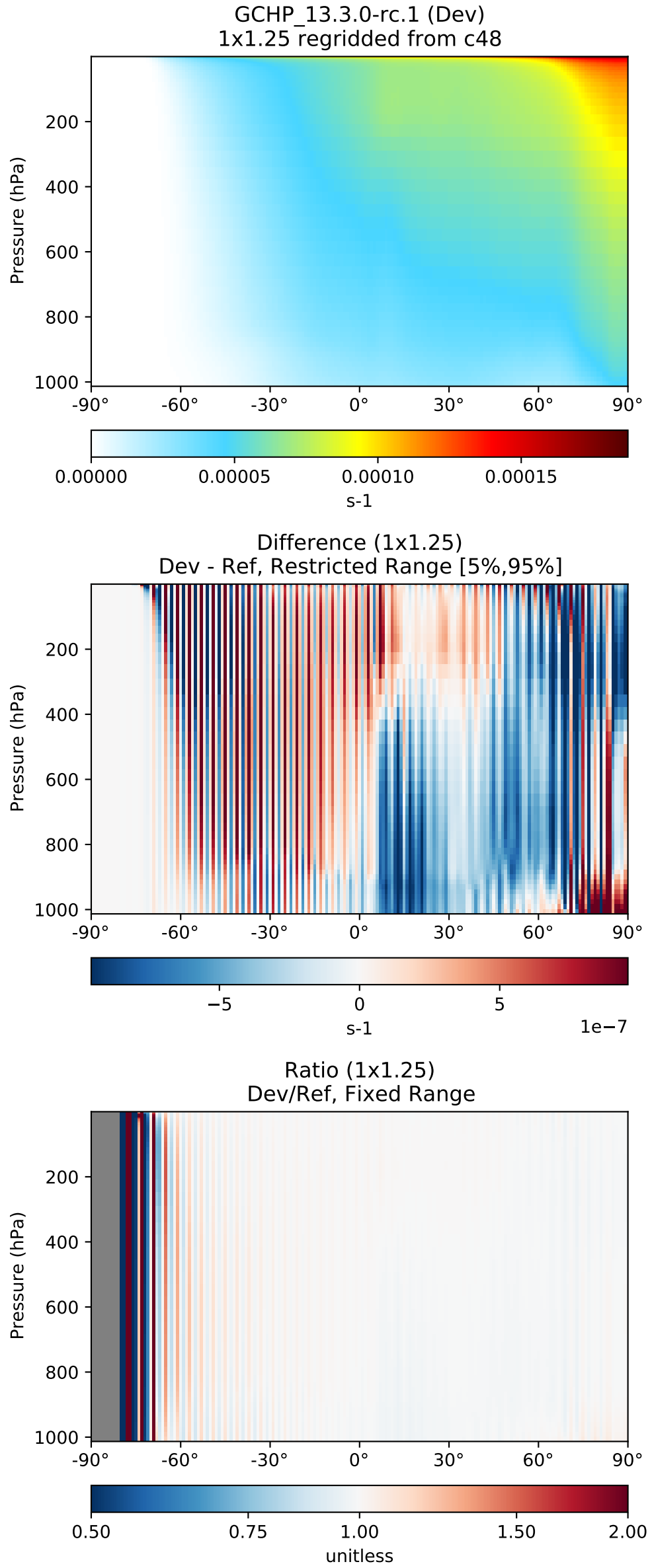
Jval_CH2ICl, Zonal Mean



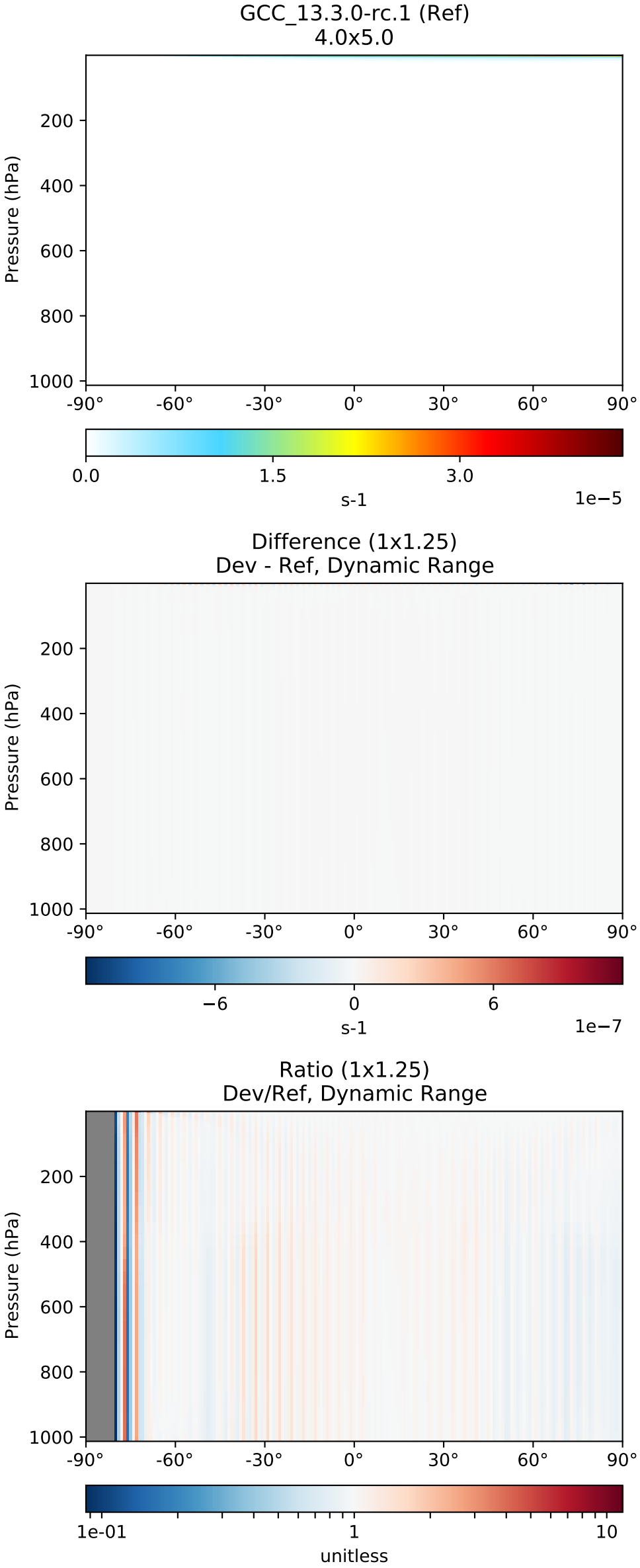


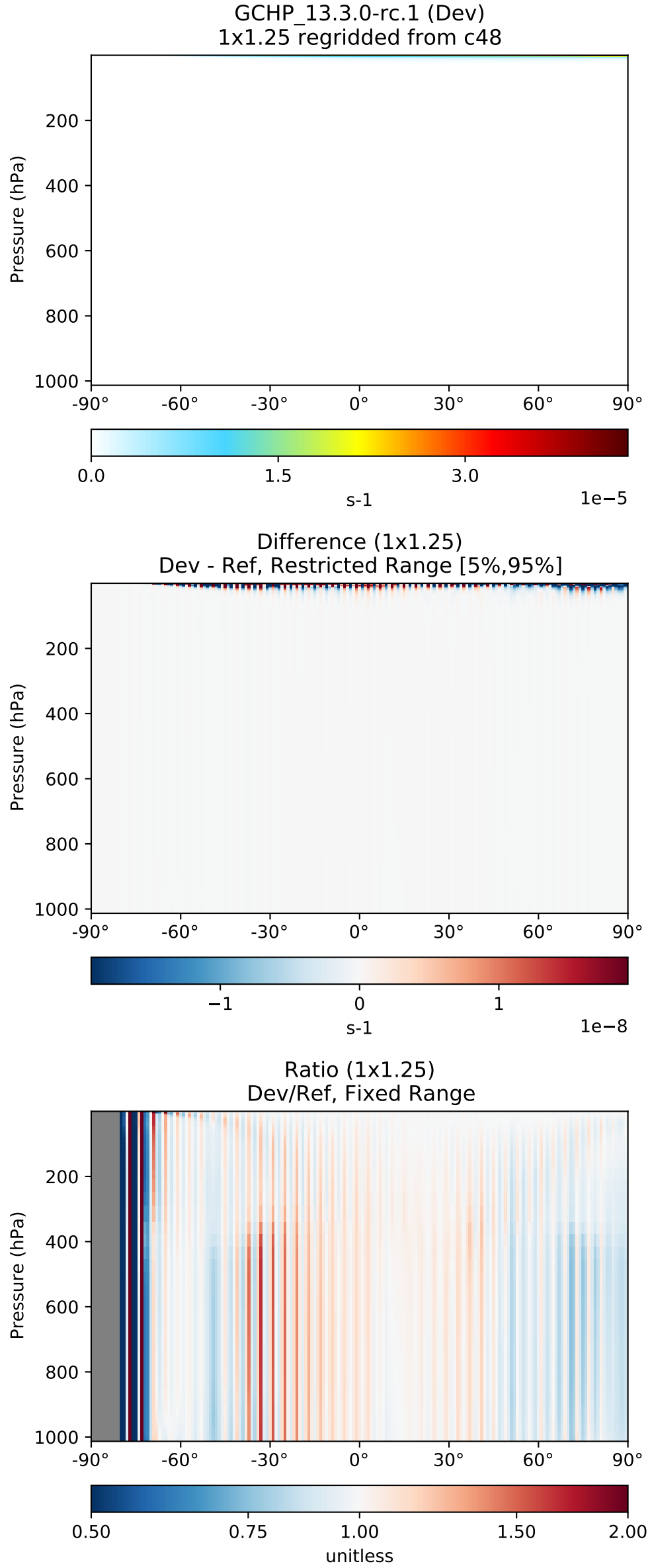
Jval_CH2O, Zonal Mean



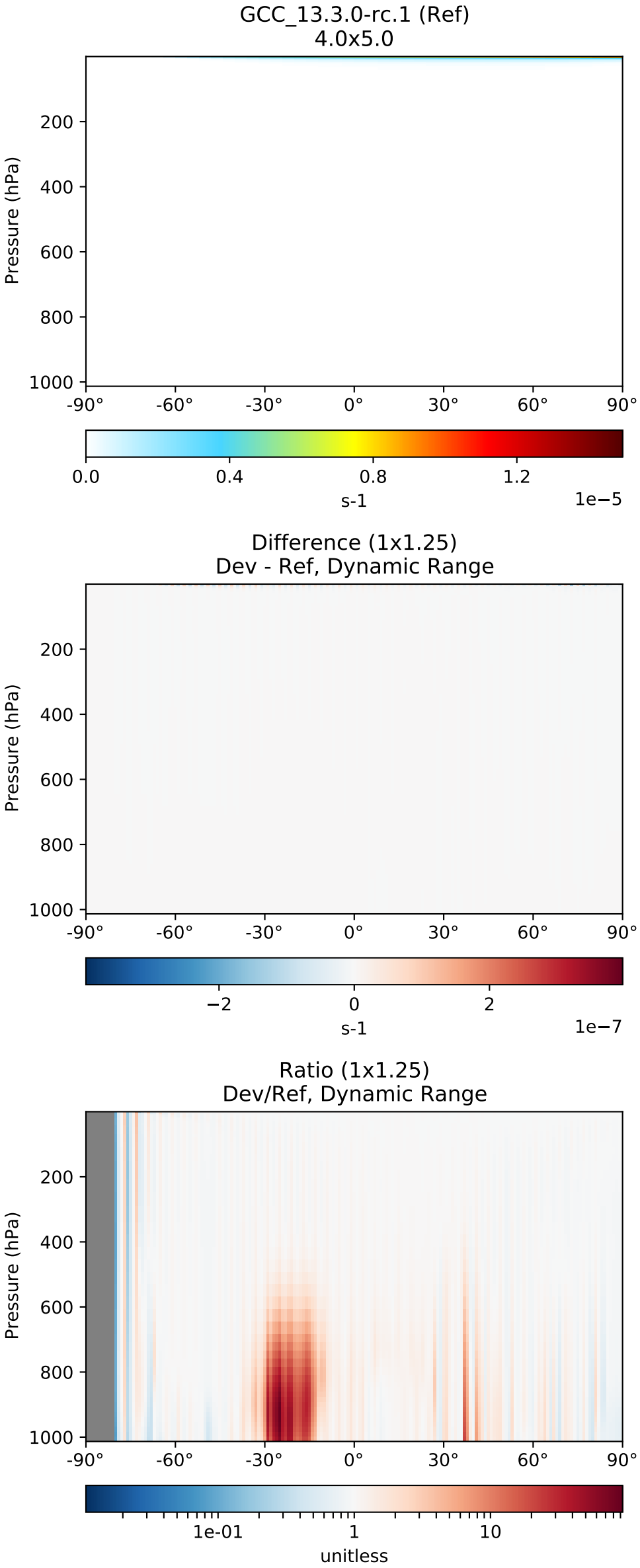


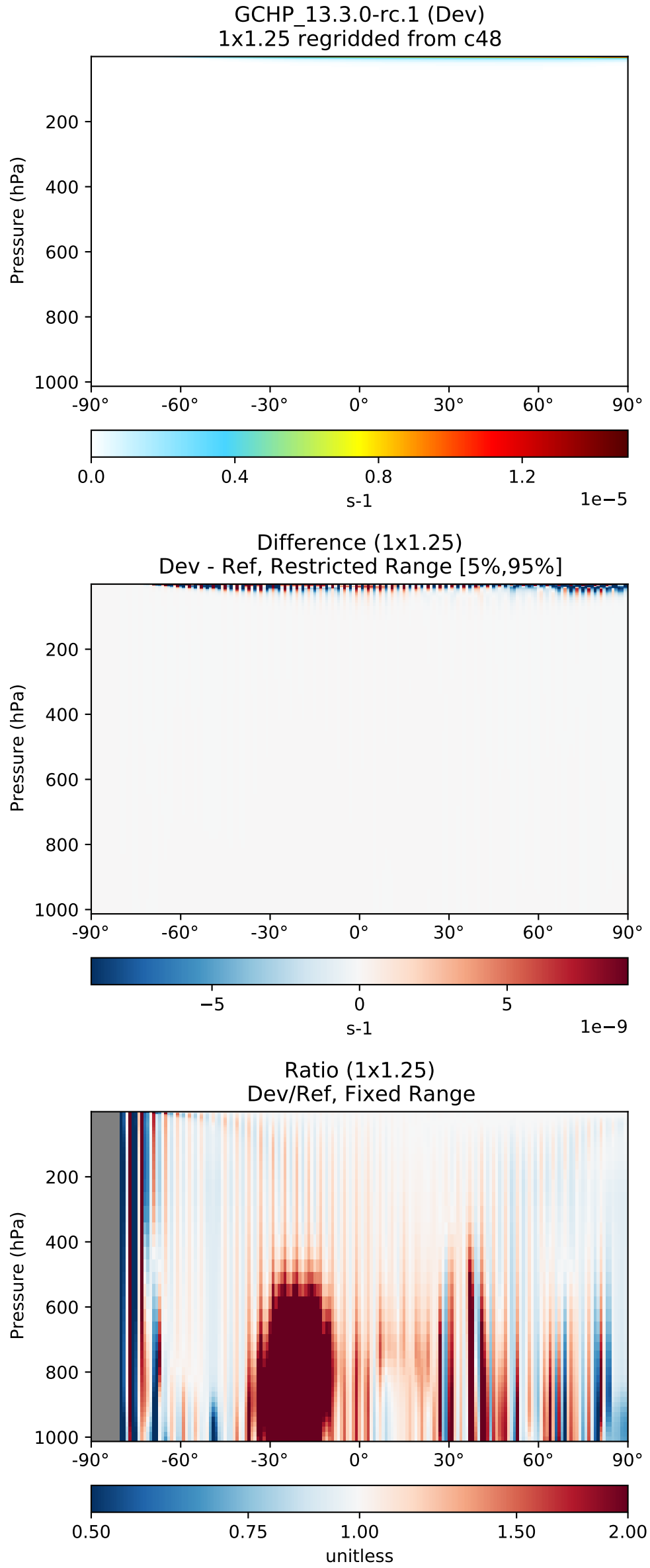
Jval_CH3Br, Zonal Mean



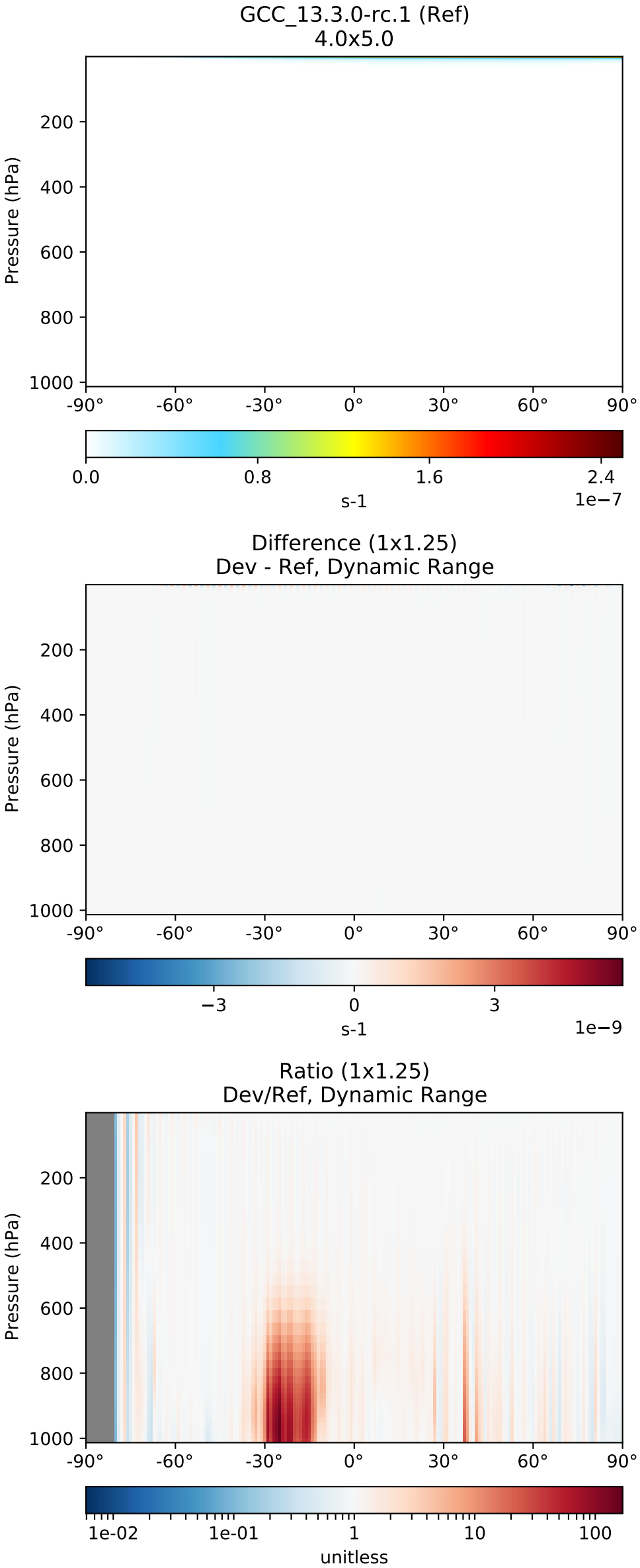


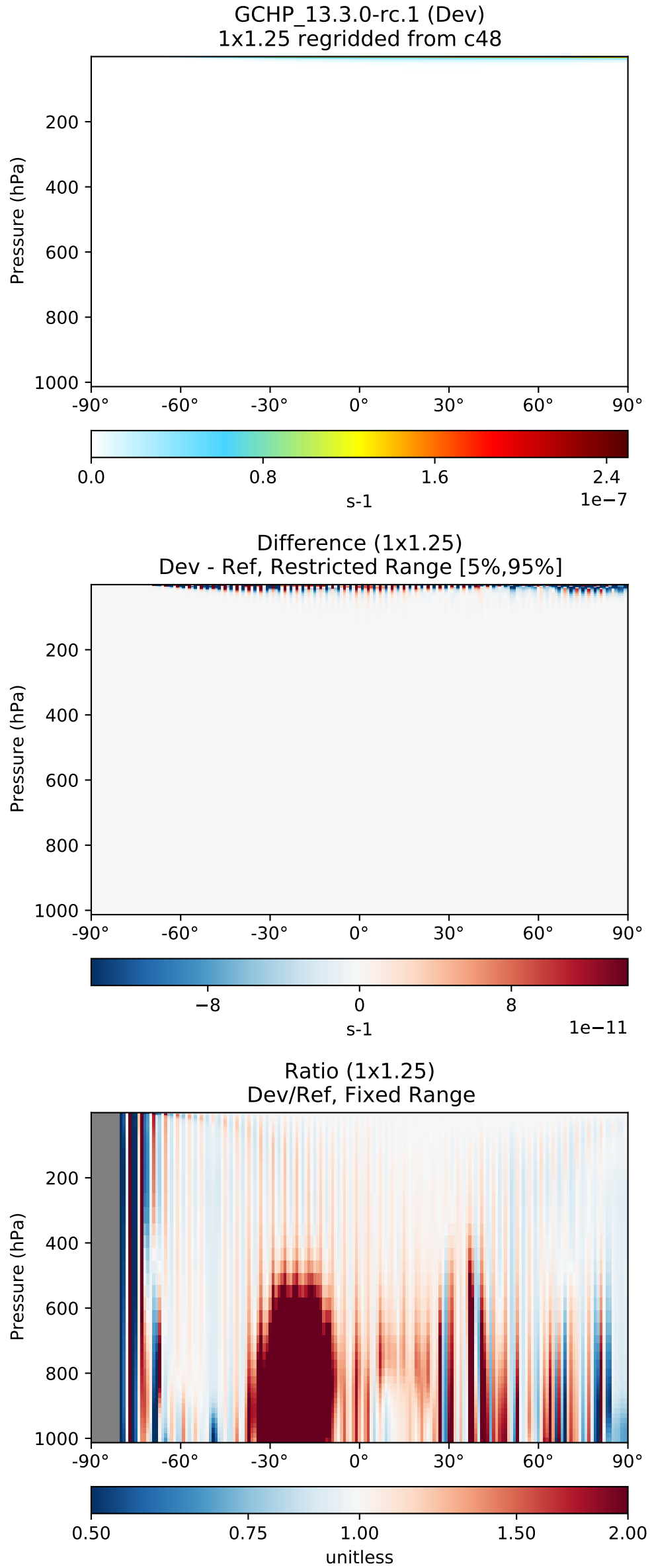
Jval_CH3CCl3, Zonal Mean



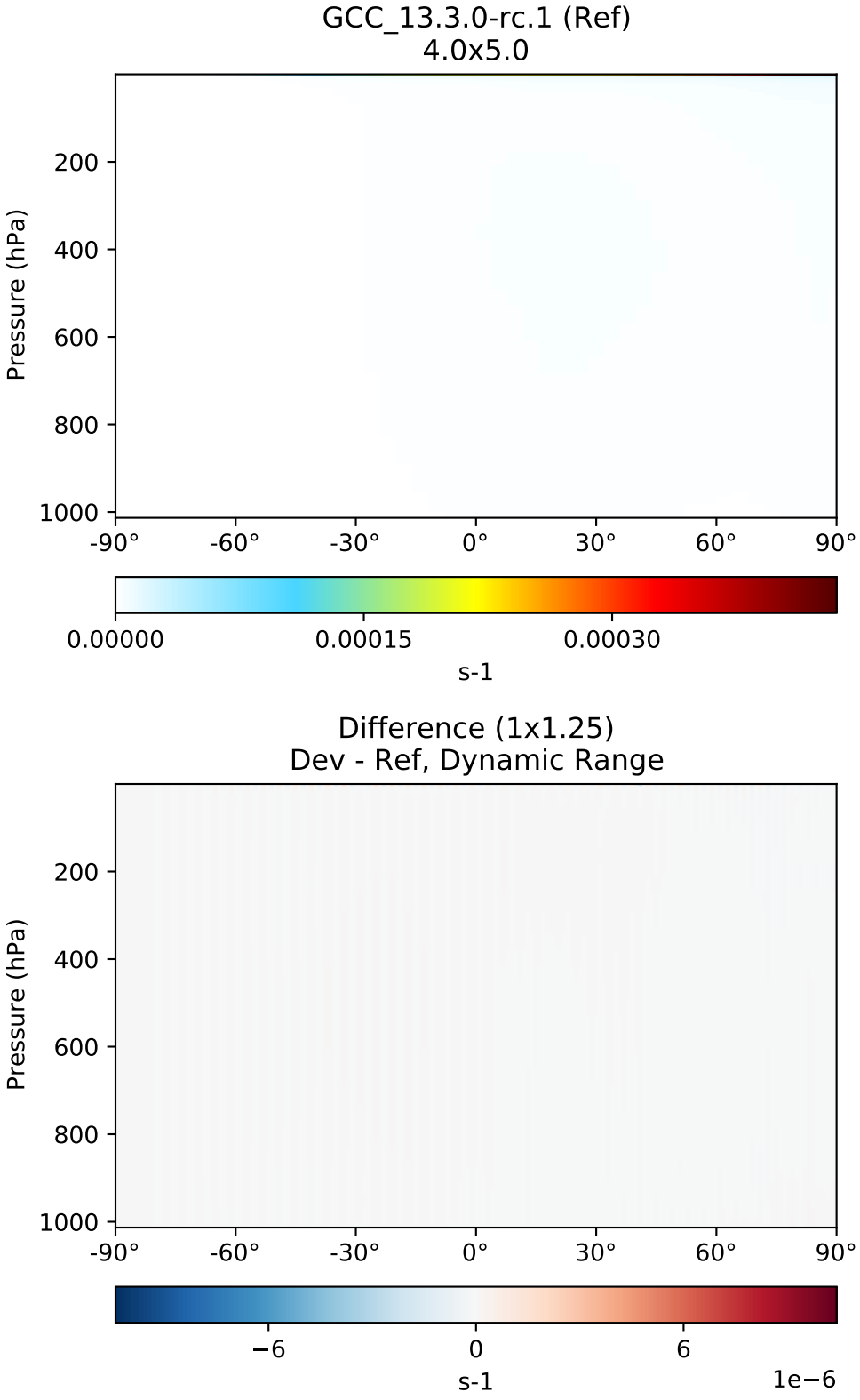


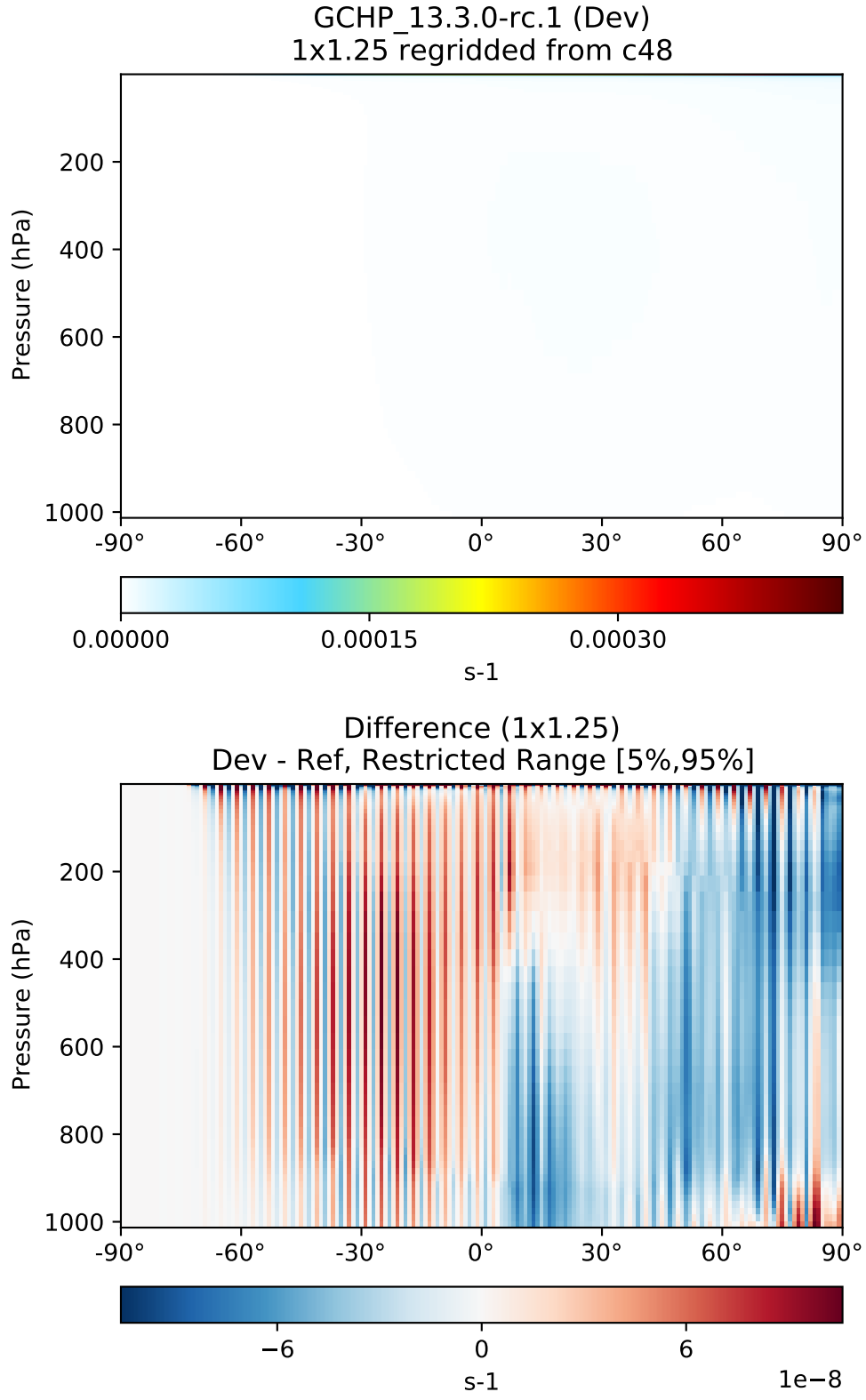
Jval_CH3Cl, Zonal Mean

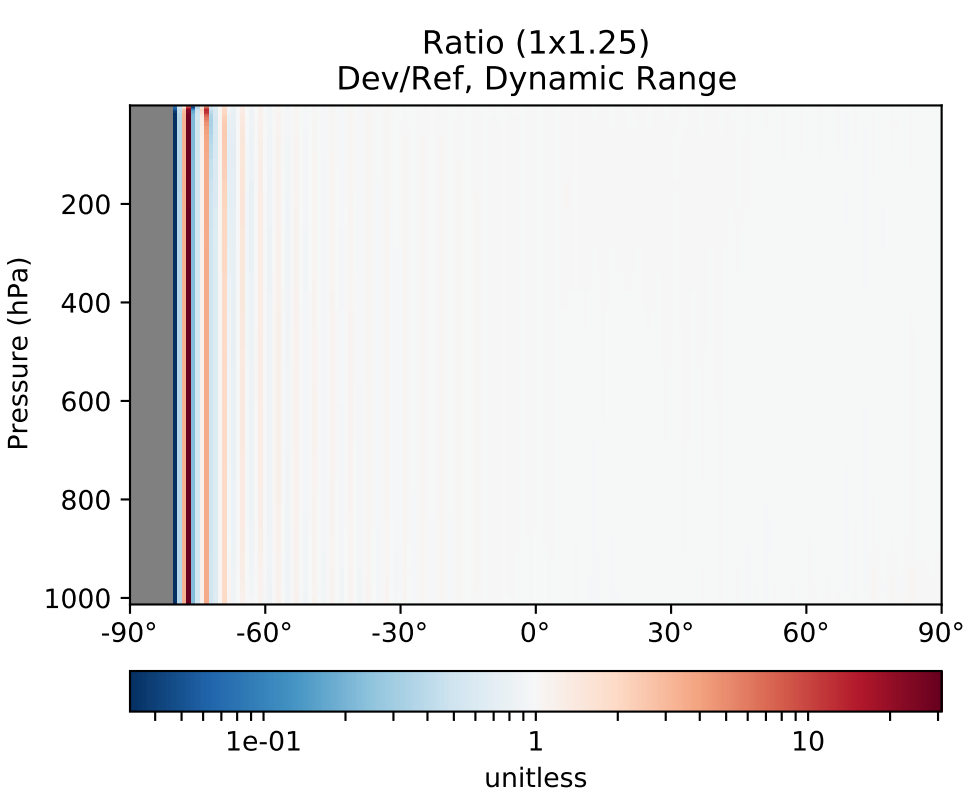


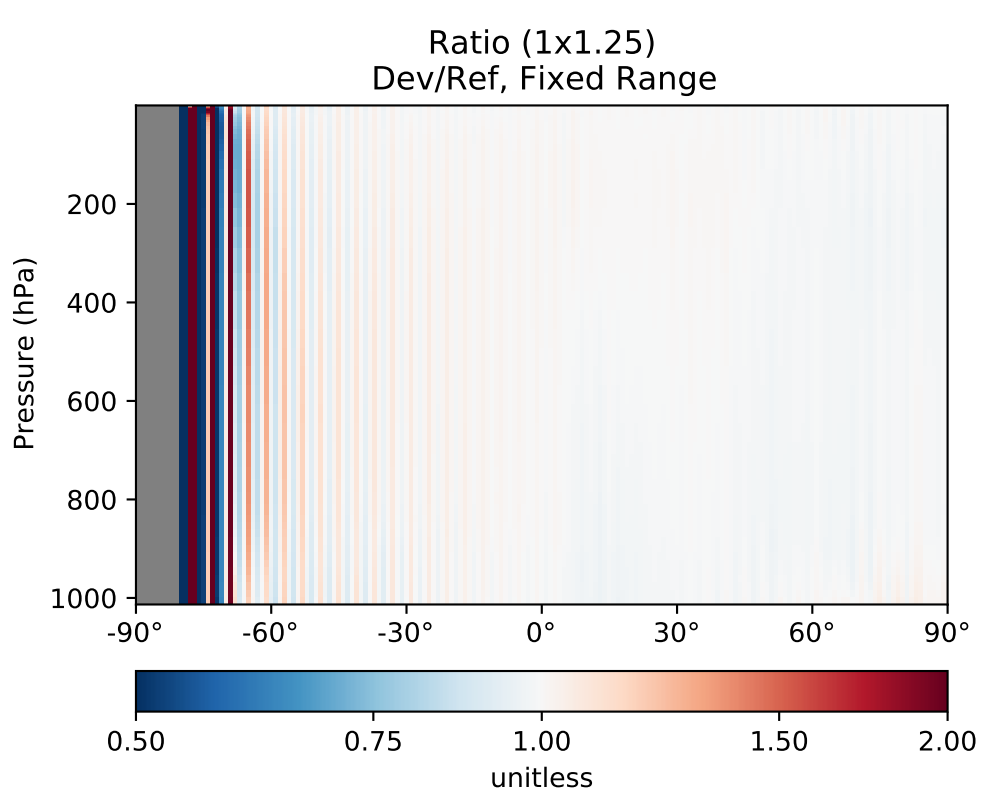


Jval_CH3I, Zonal Mean

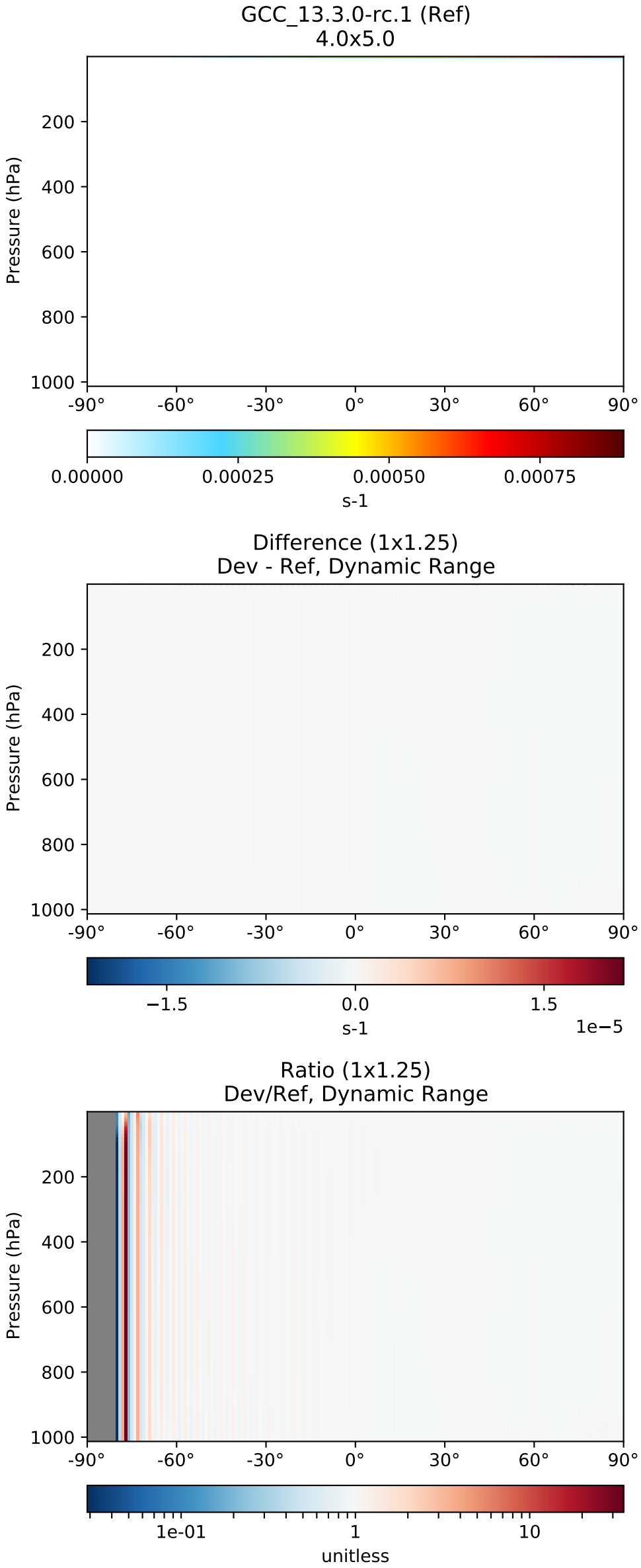


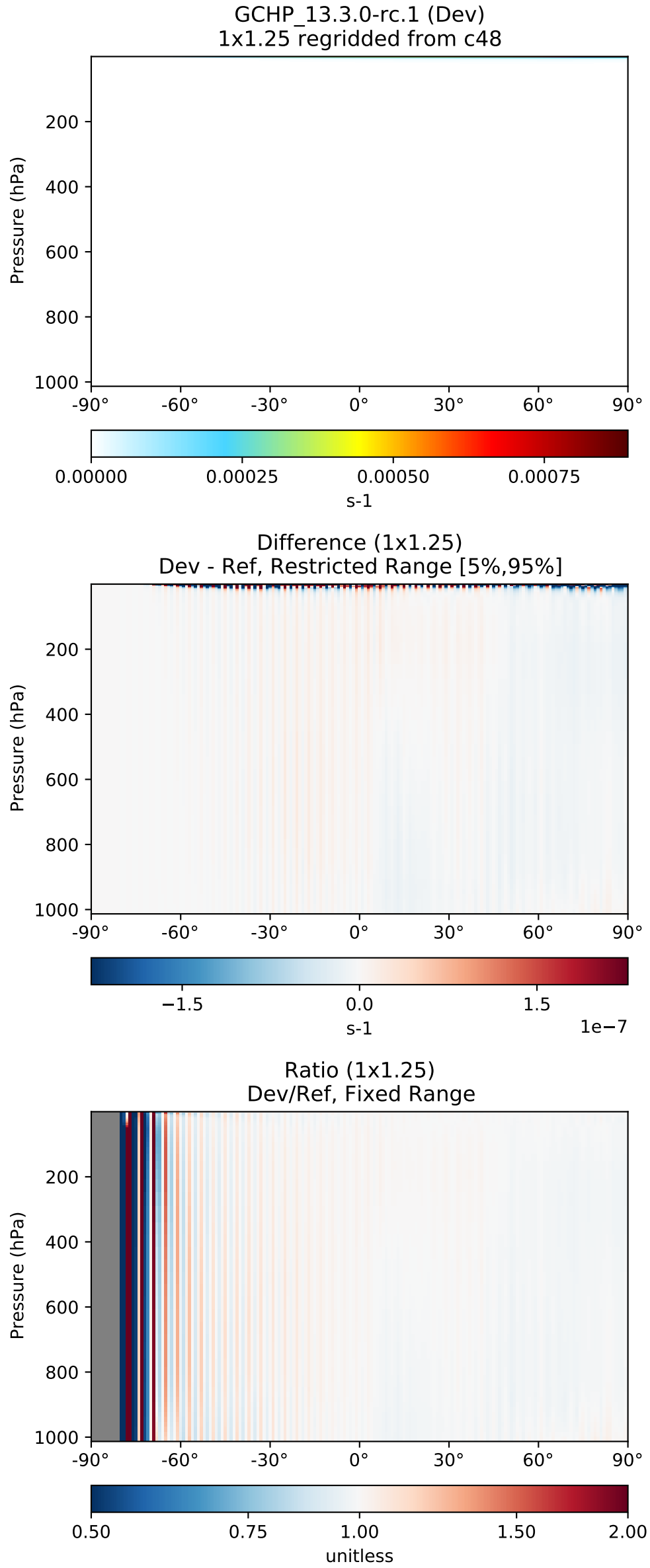




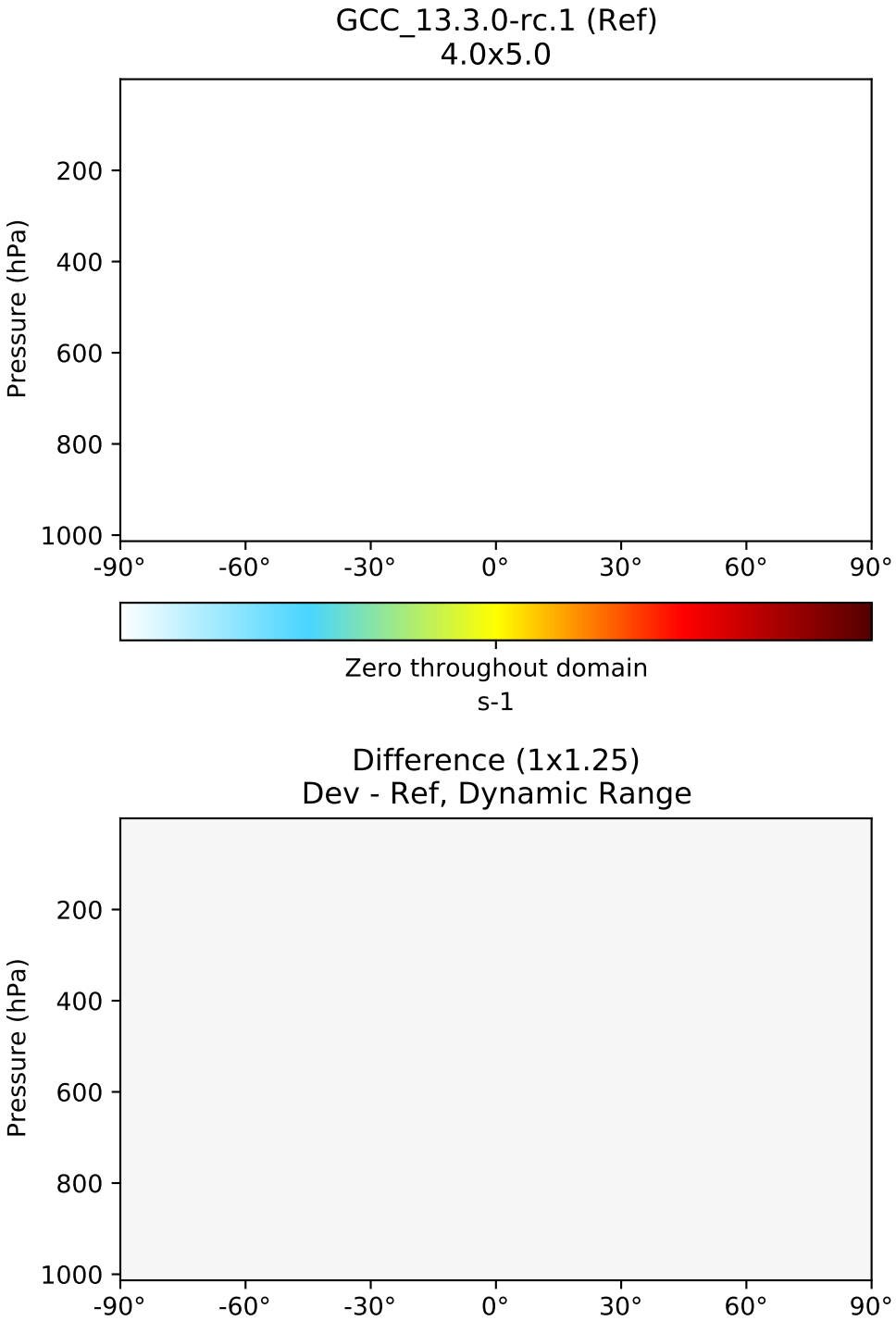


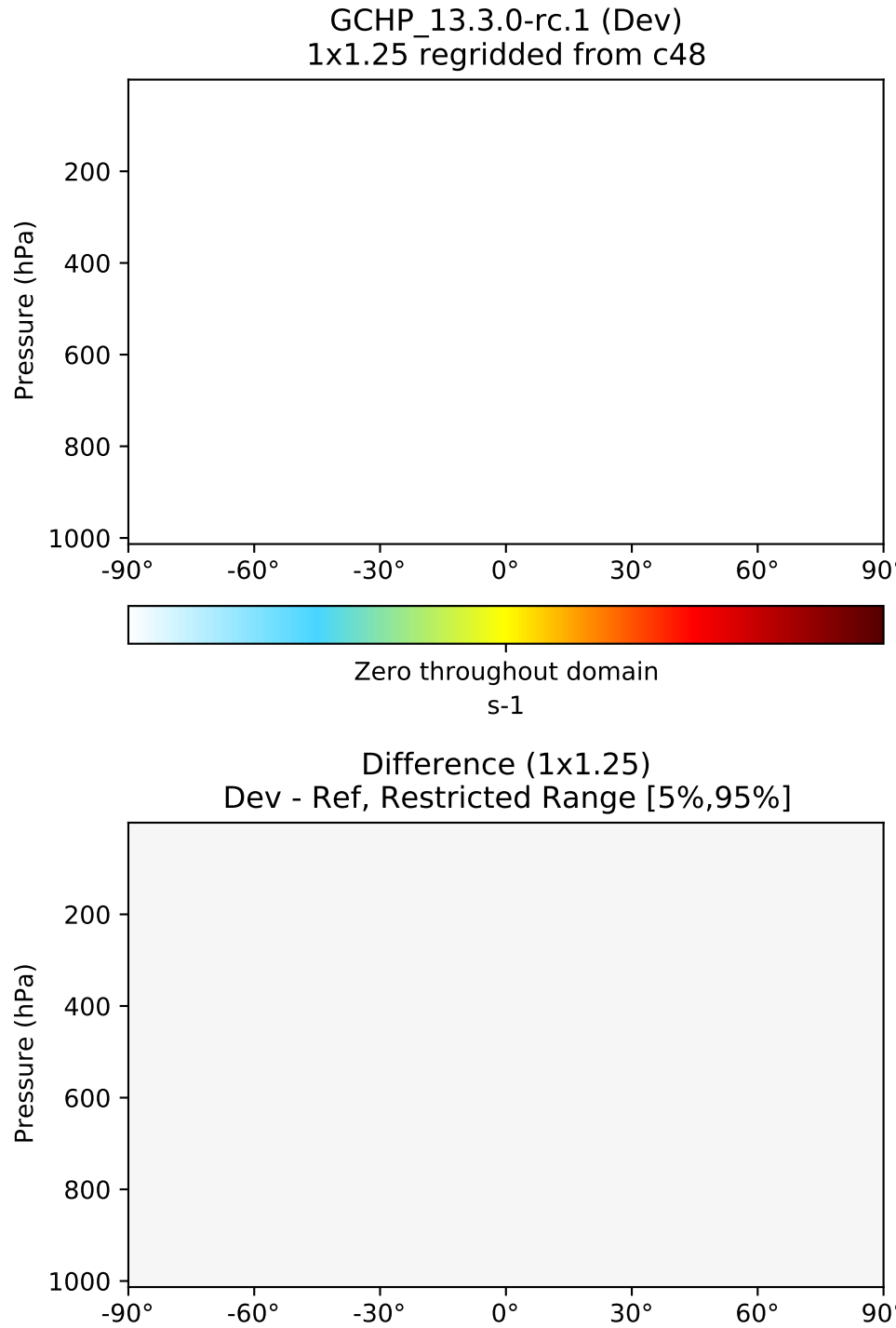
Jval_CHBr3, Zonal Mean

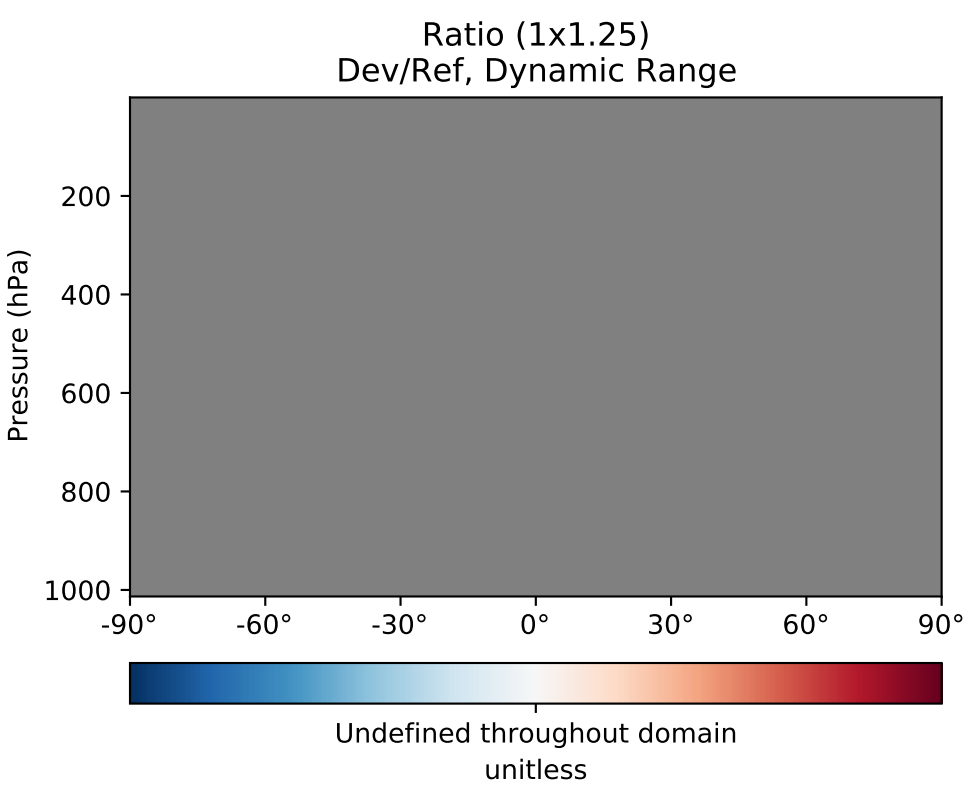


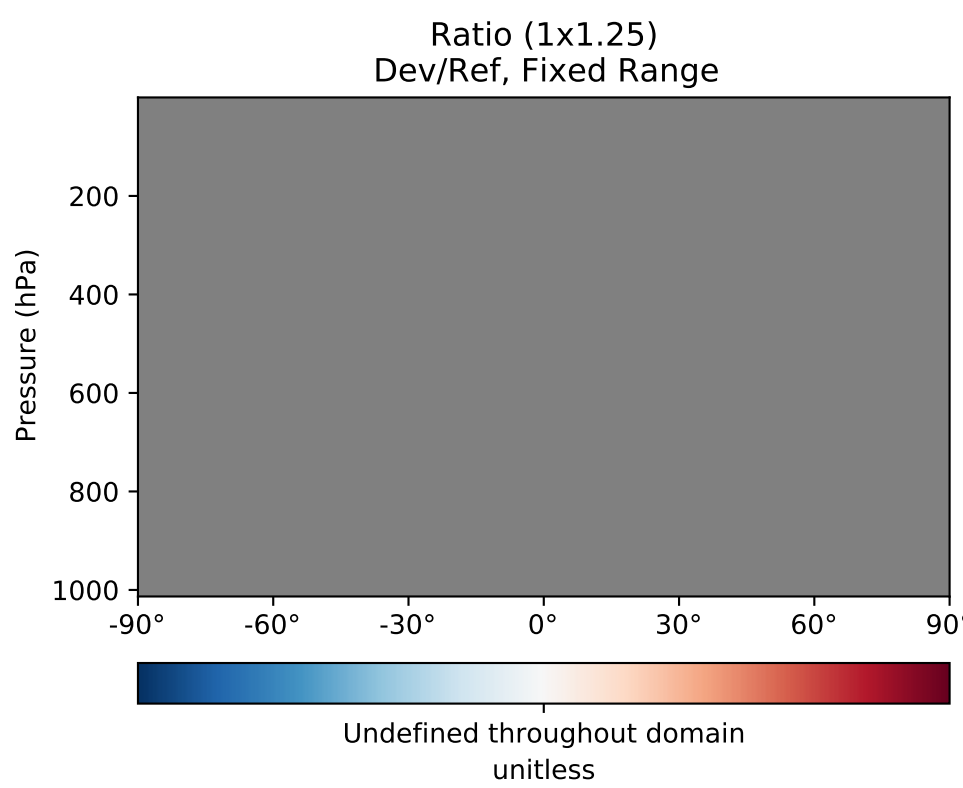


Jval_CHCl3, Zonal Mean

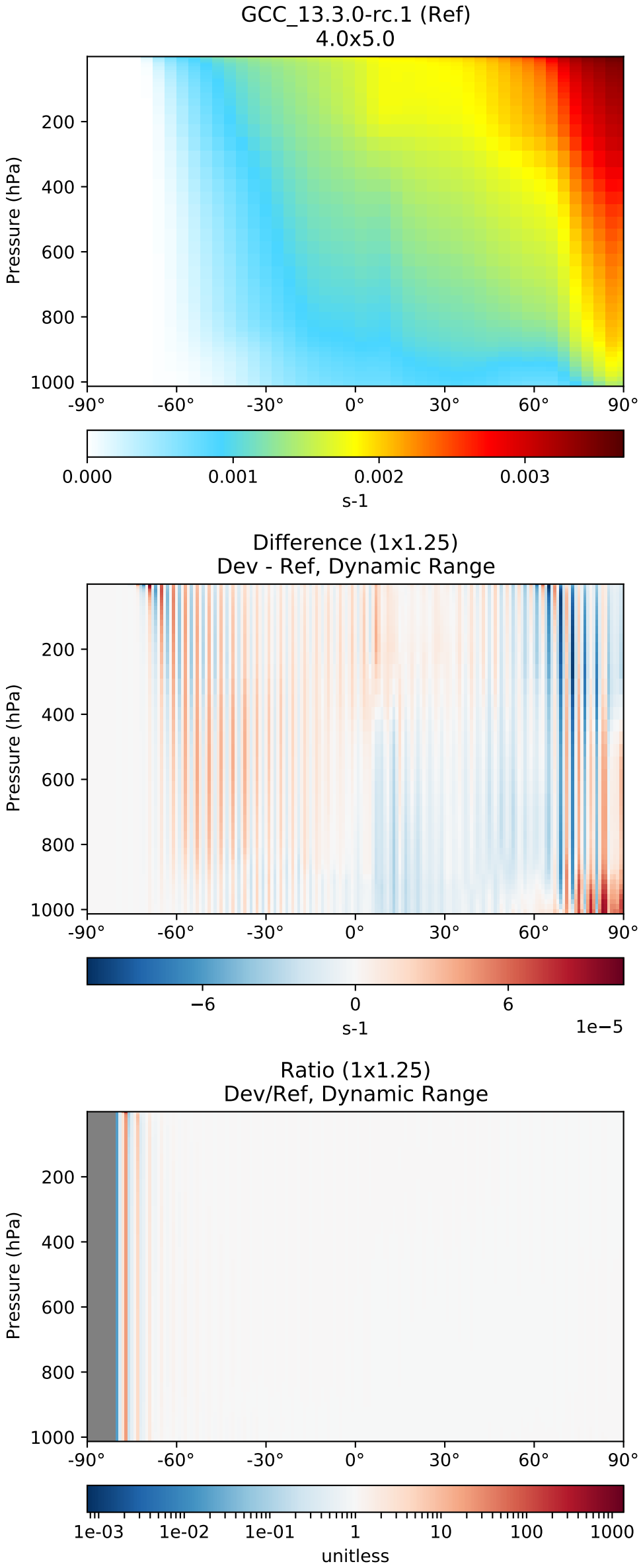


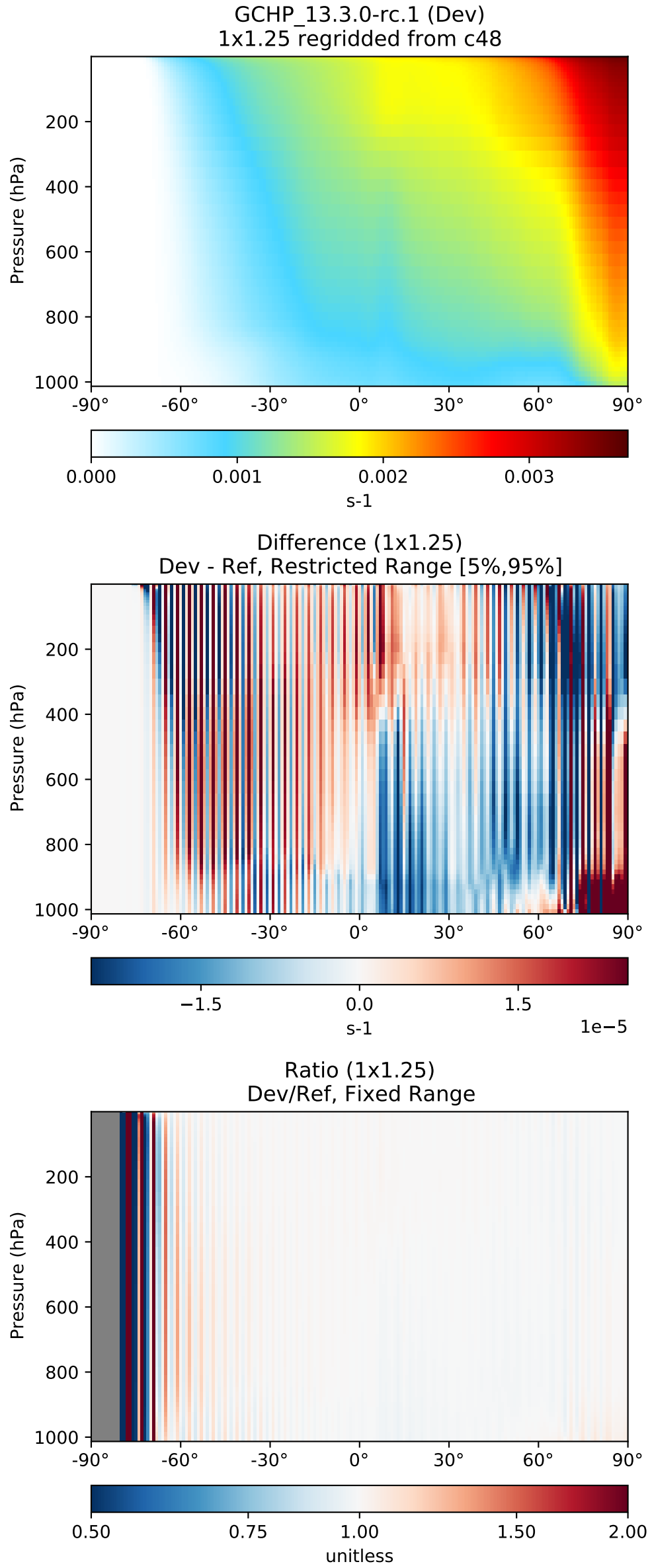




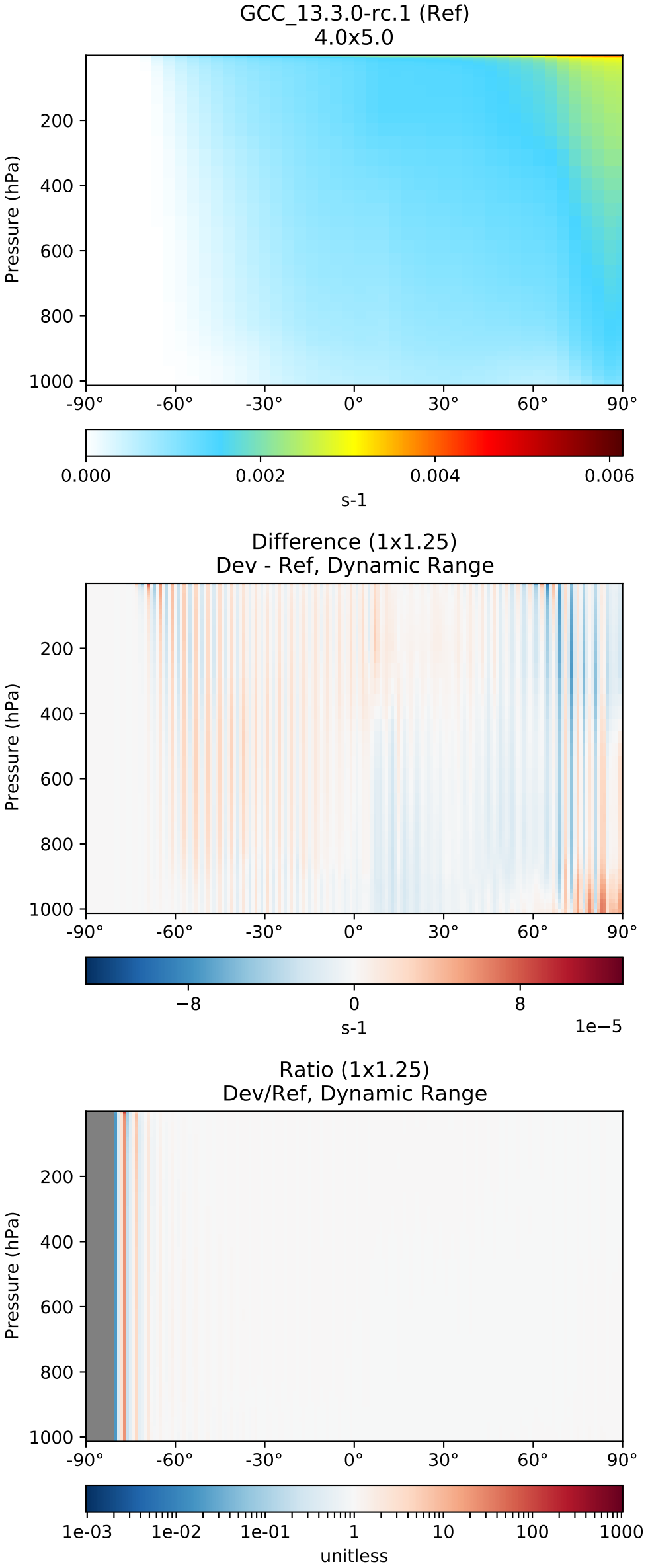


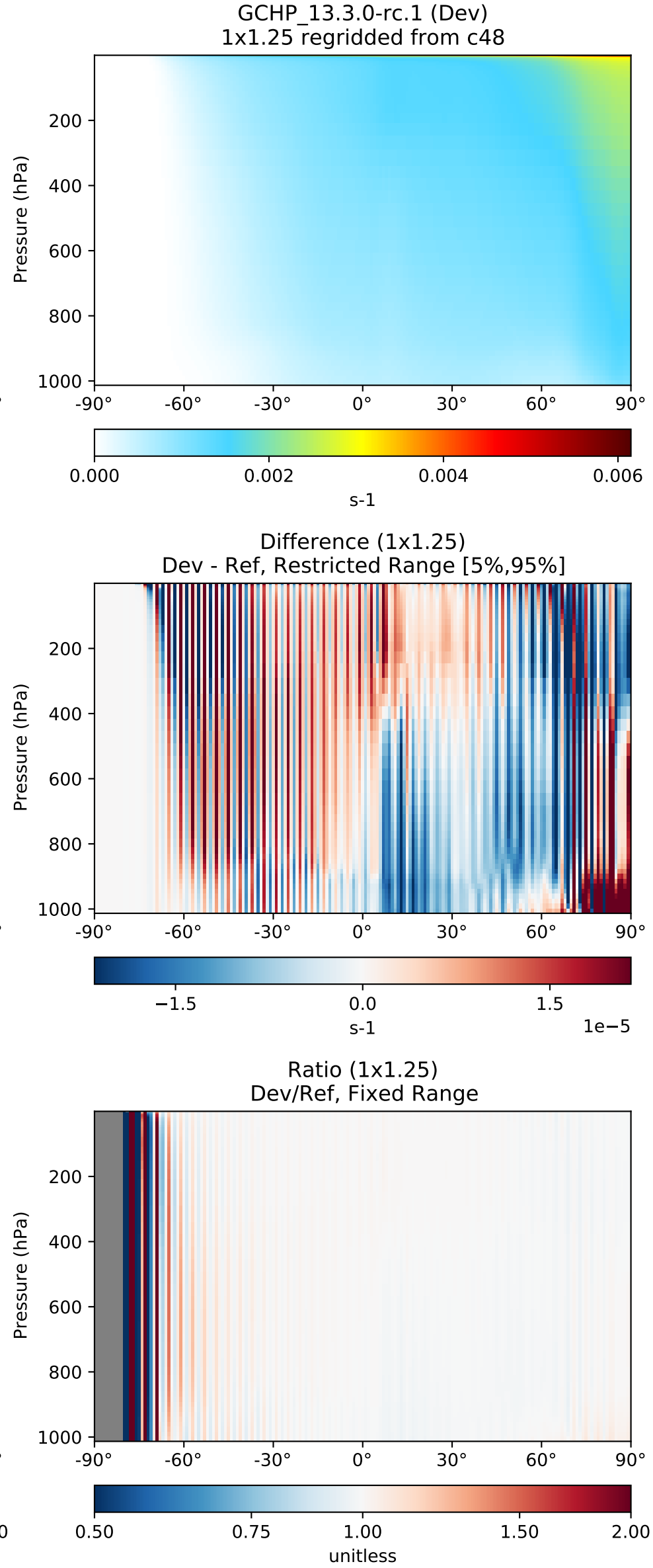
Jval_Cl2, Zonal Mean



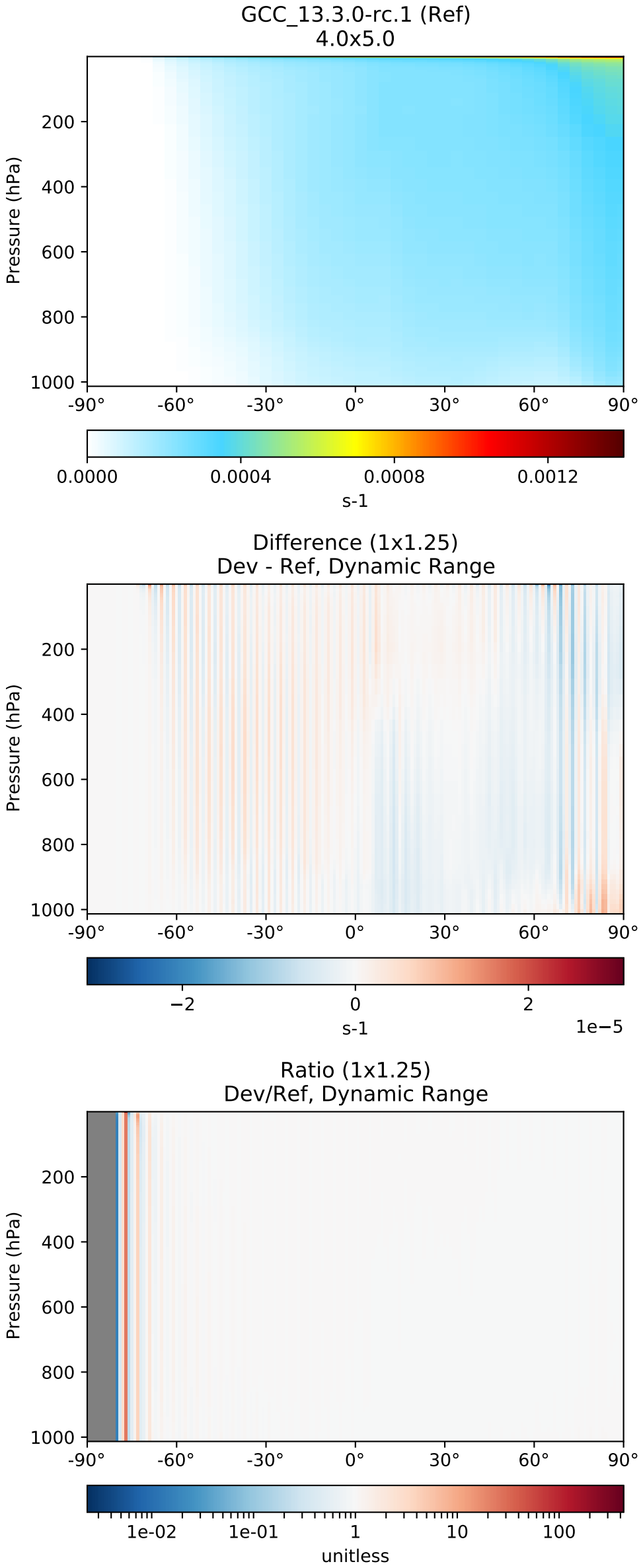


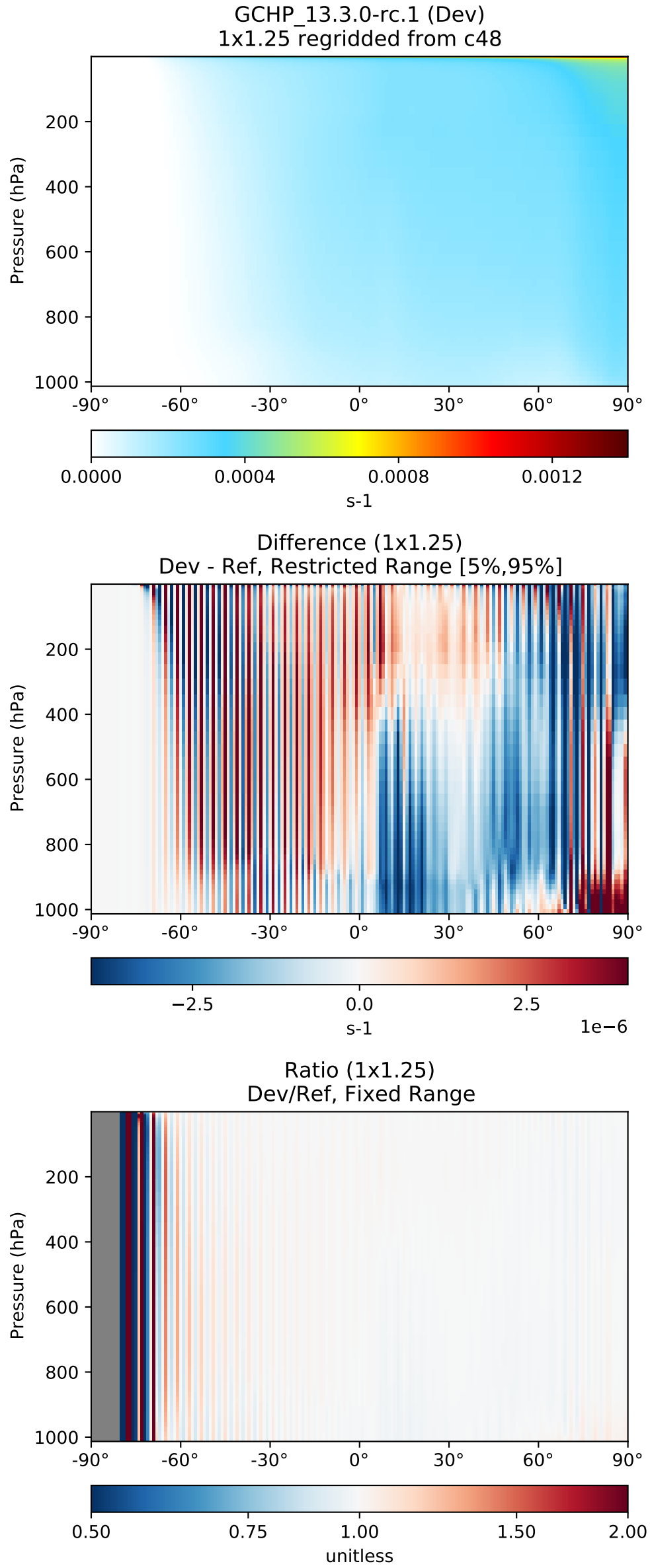
Jval_Cl2O2, Zonal Mean



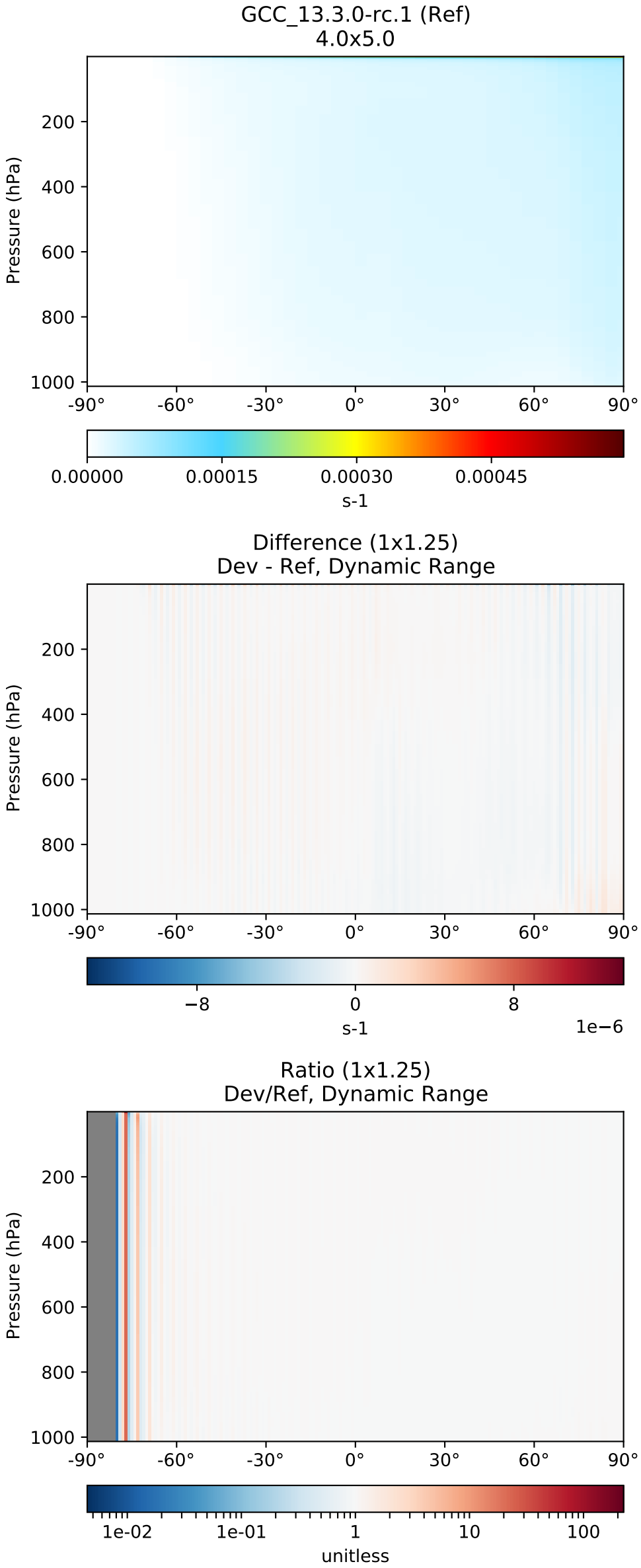


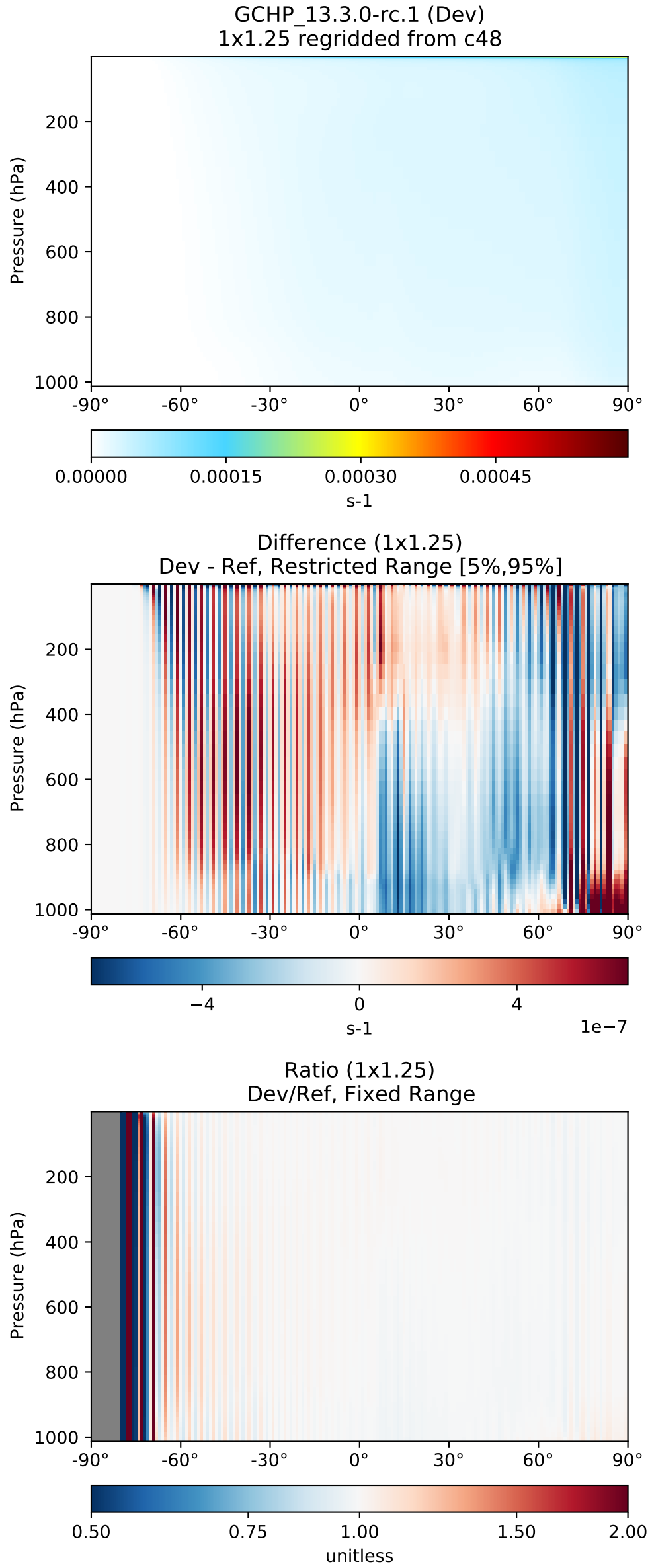
Jval_ClNO2, Zonal Mean



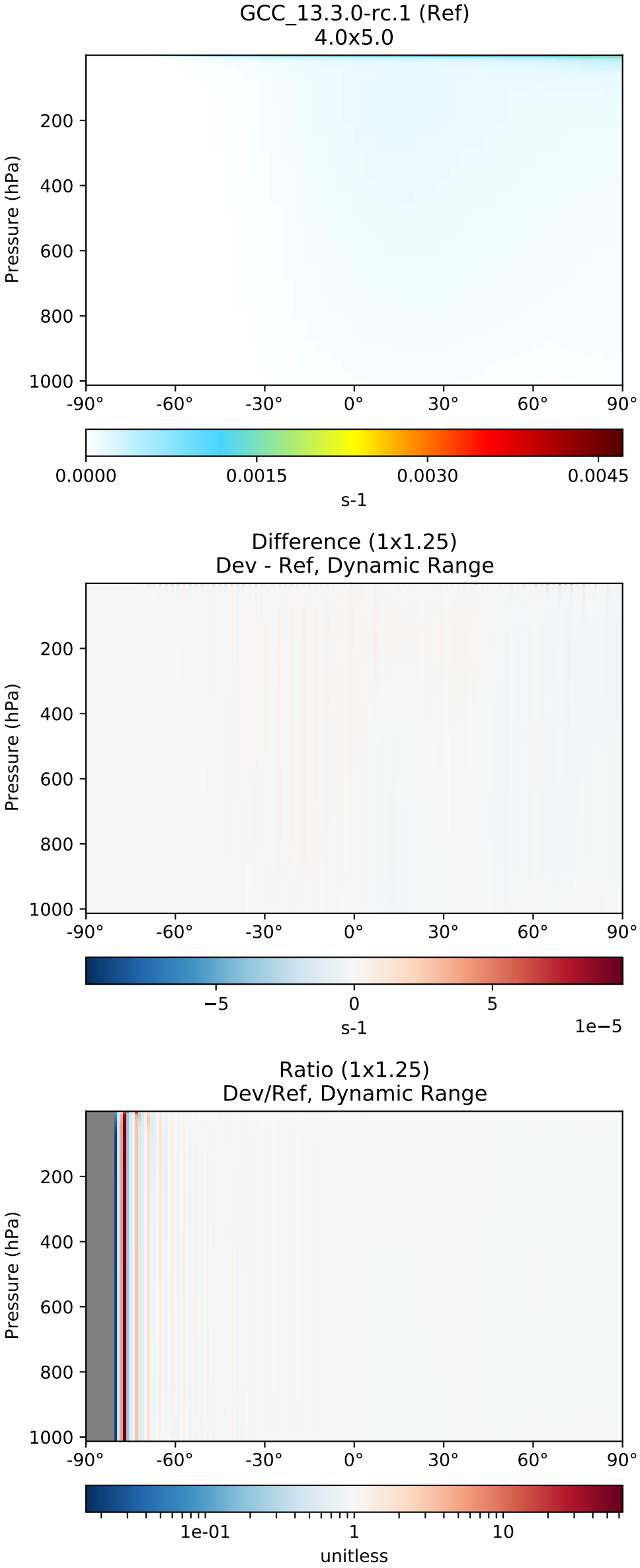


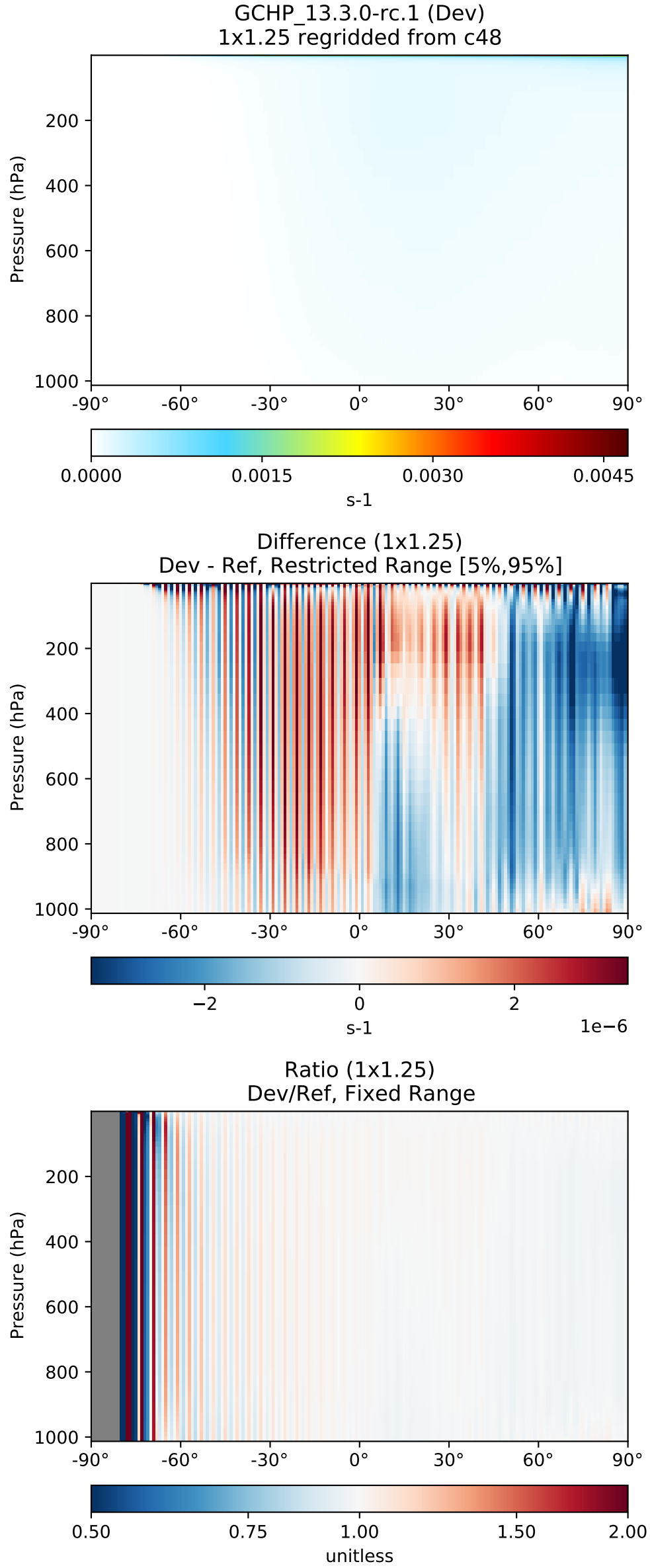
Jval_ClNO3, Zonal Mean



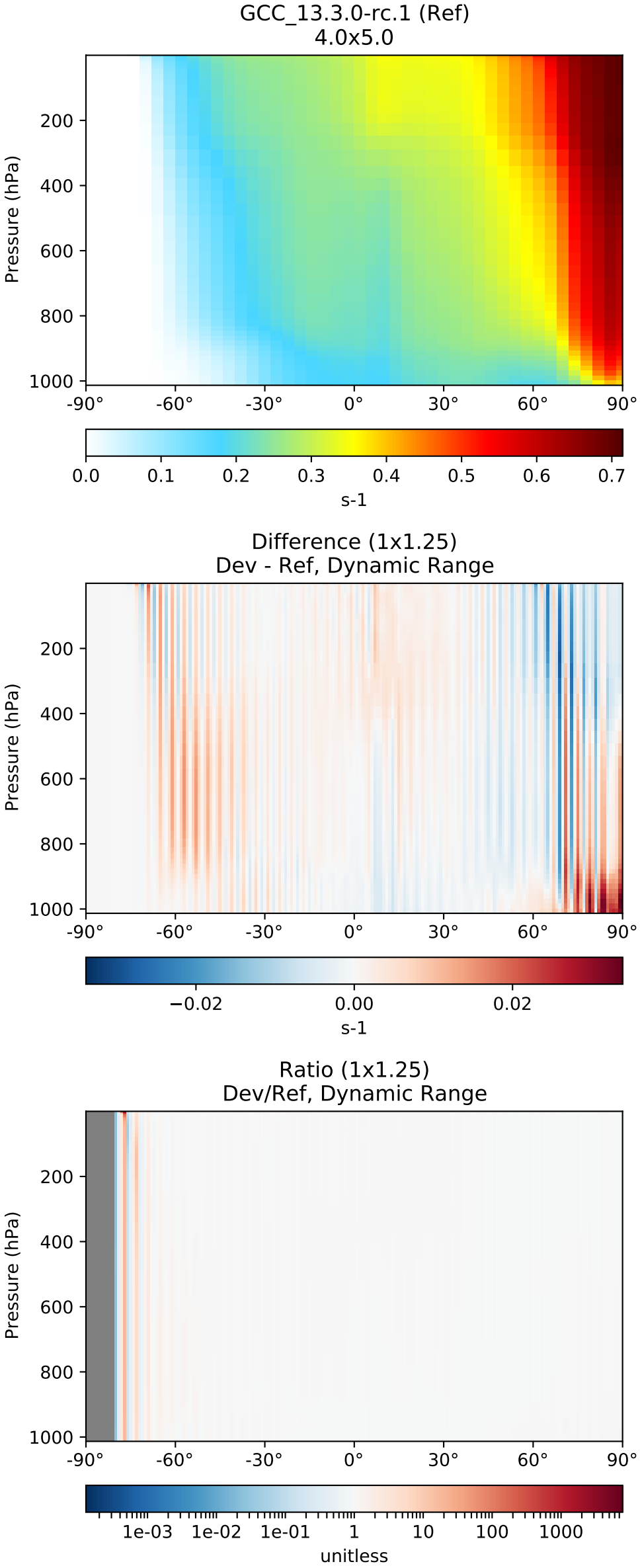


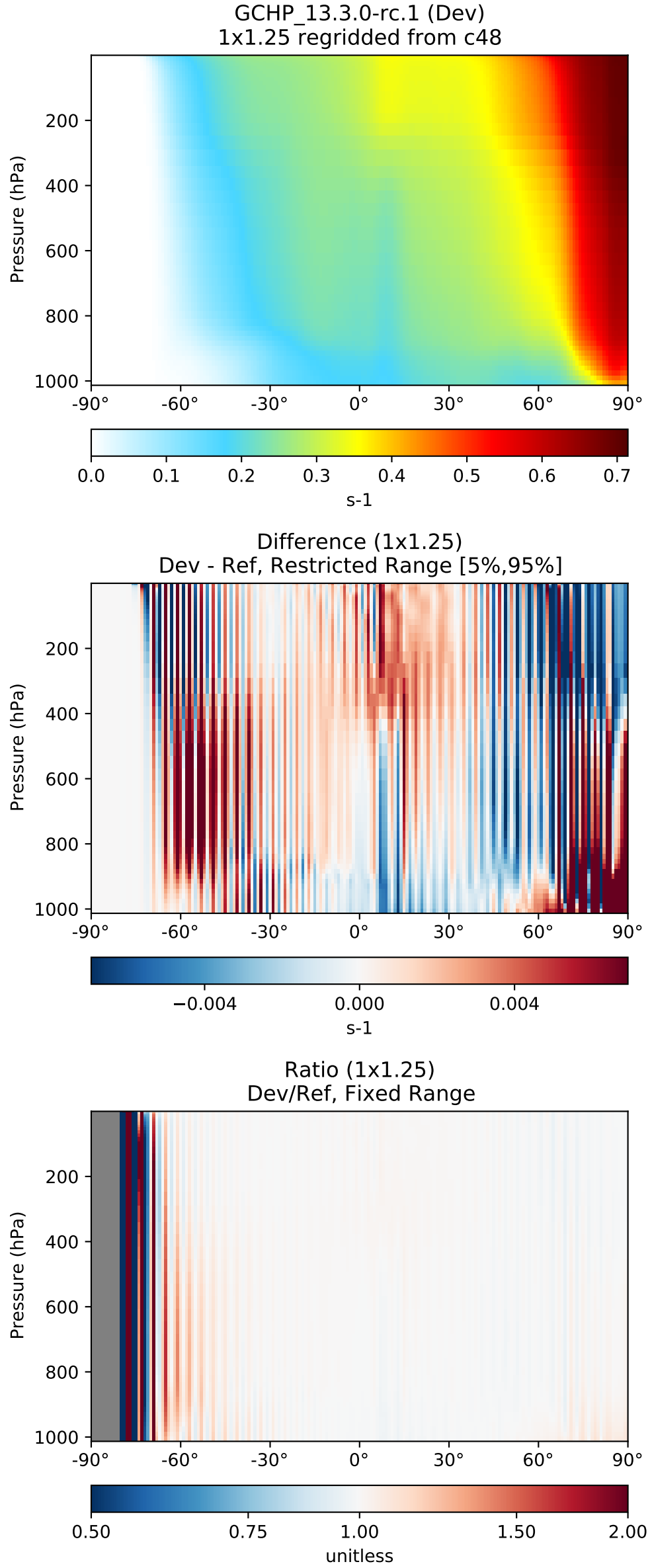
Jval_ClO, Zonal Mean



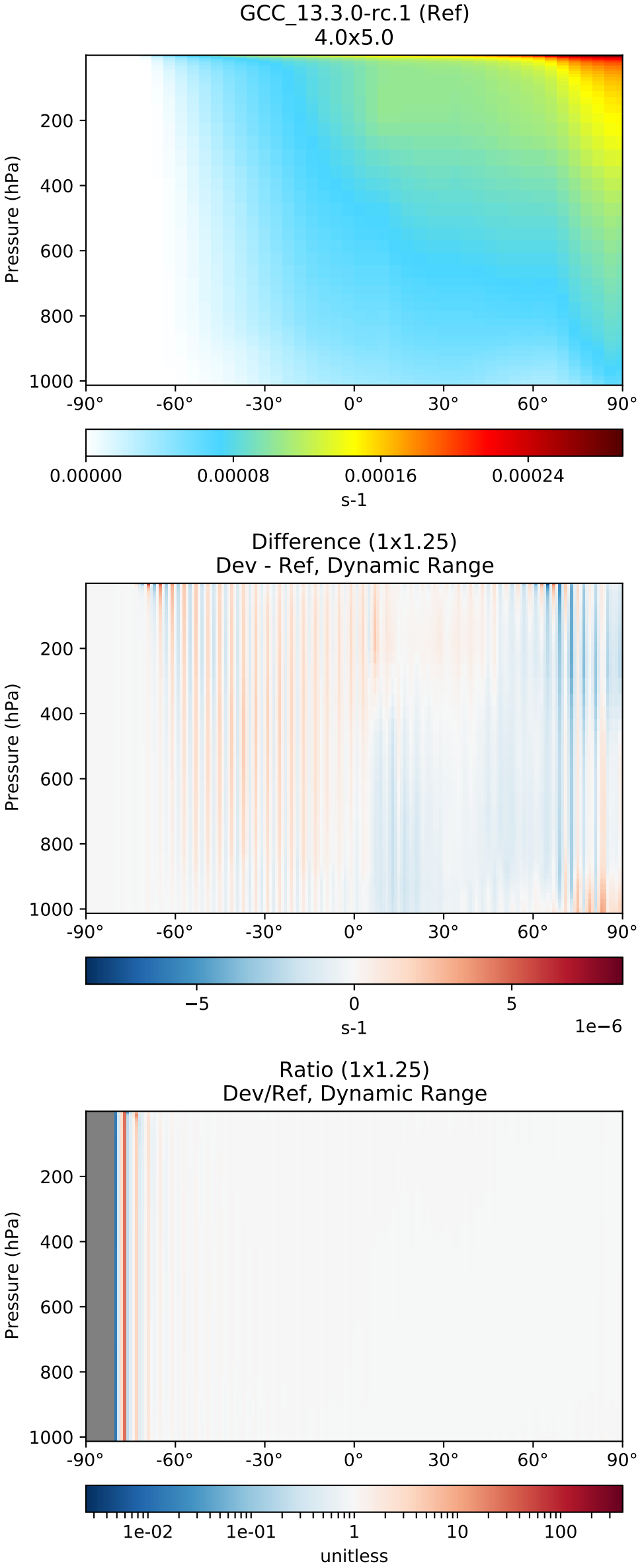


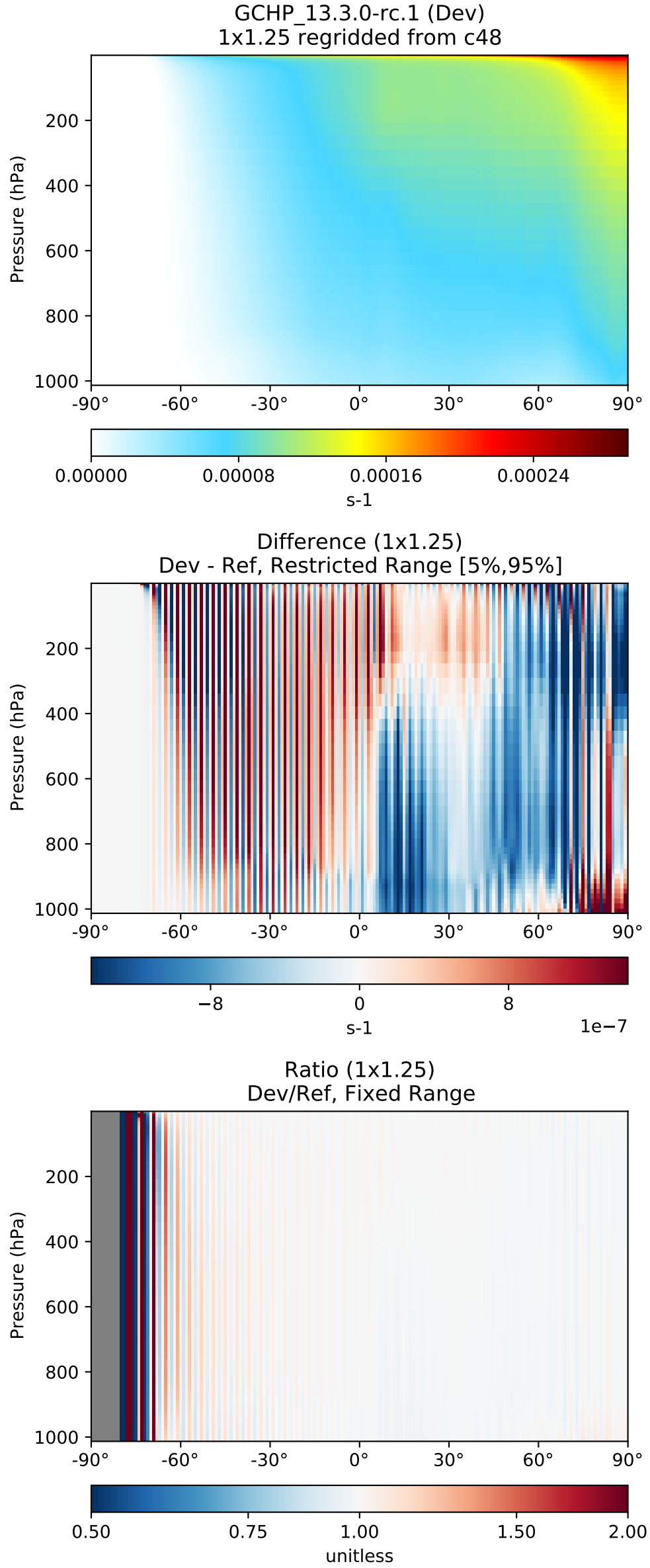
Jval_ClOO, Zonal Mean



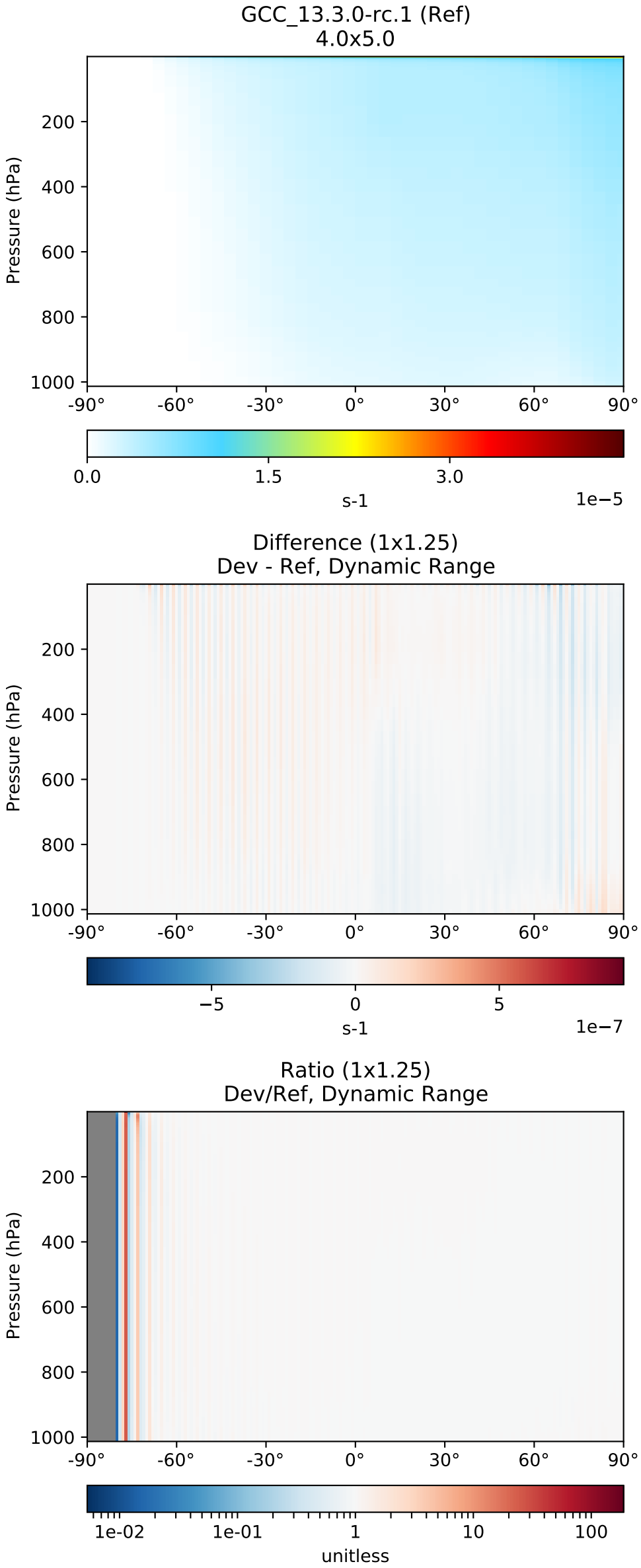


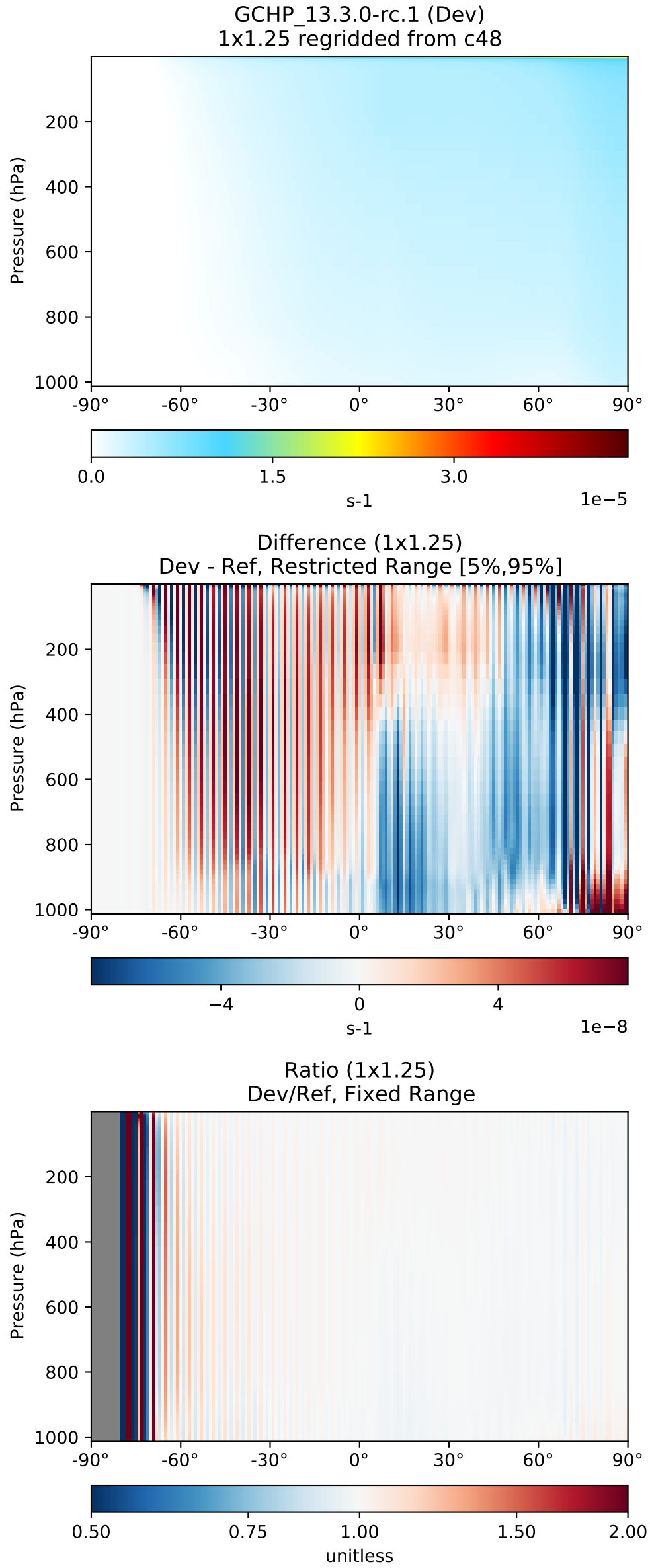
Jval_ETHLN, Zonal Mean



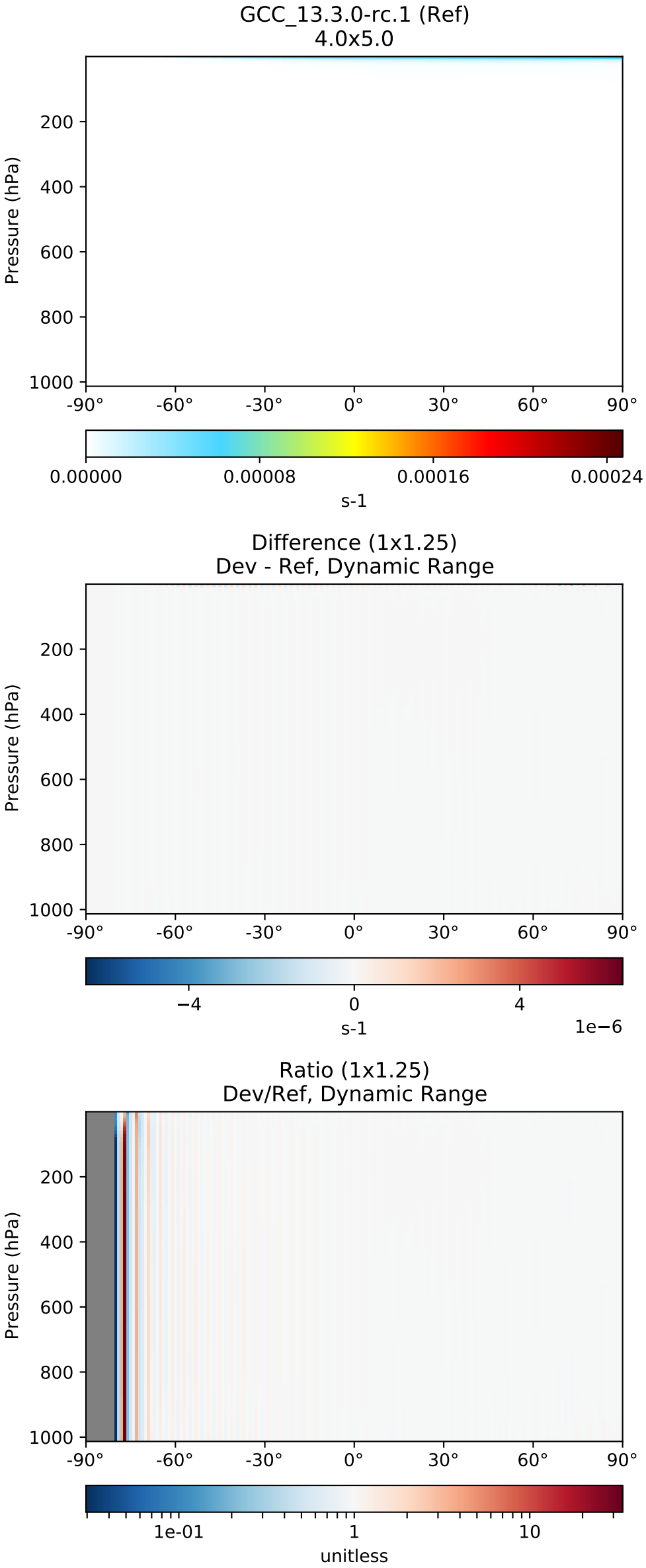


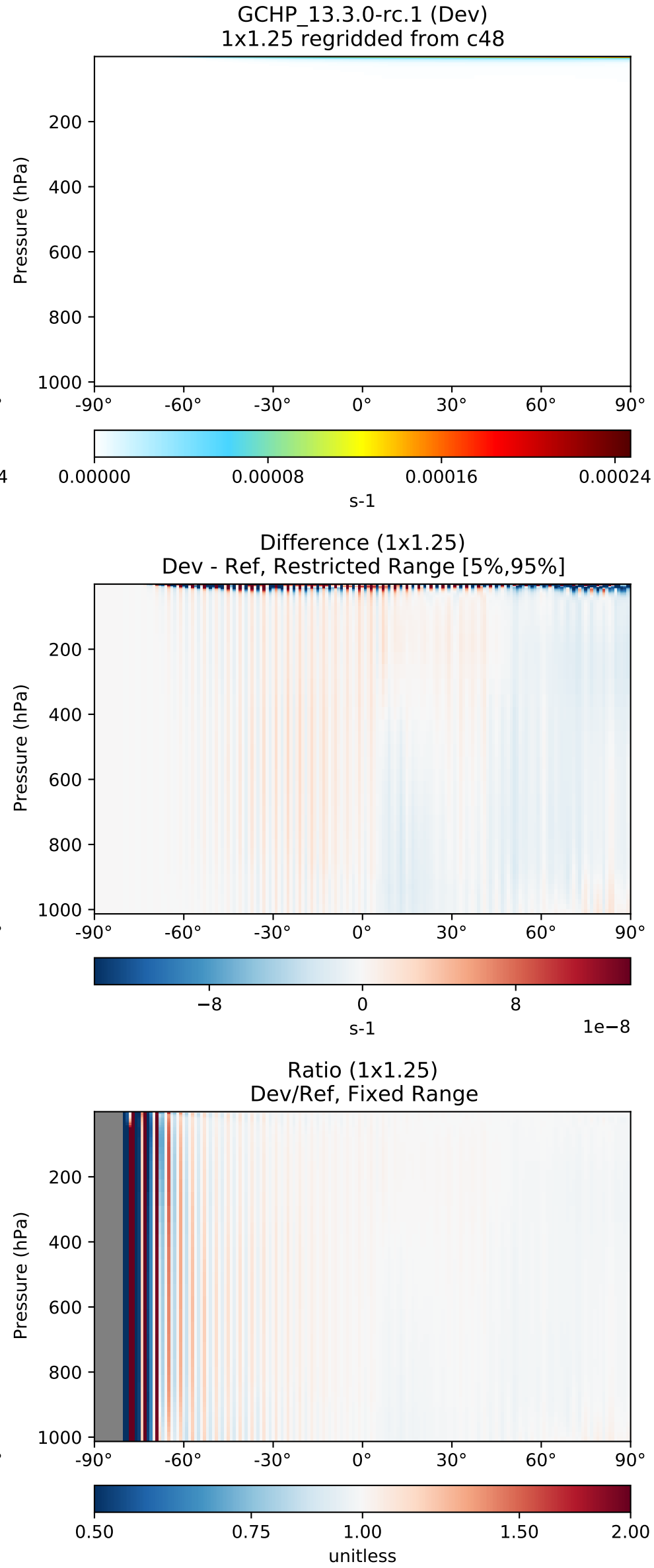
Jval_ETHP, Zonal Mean



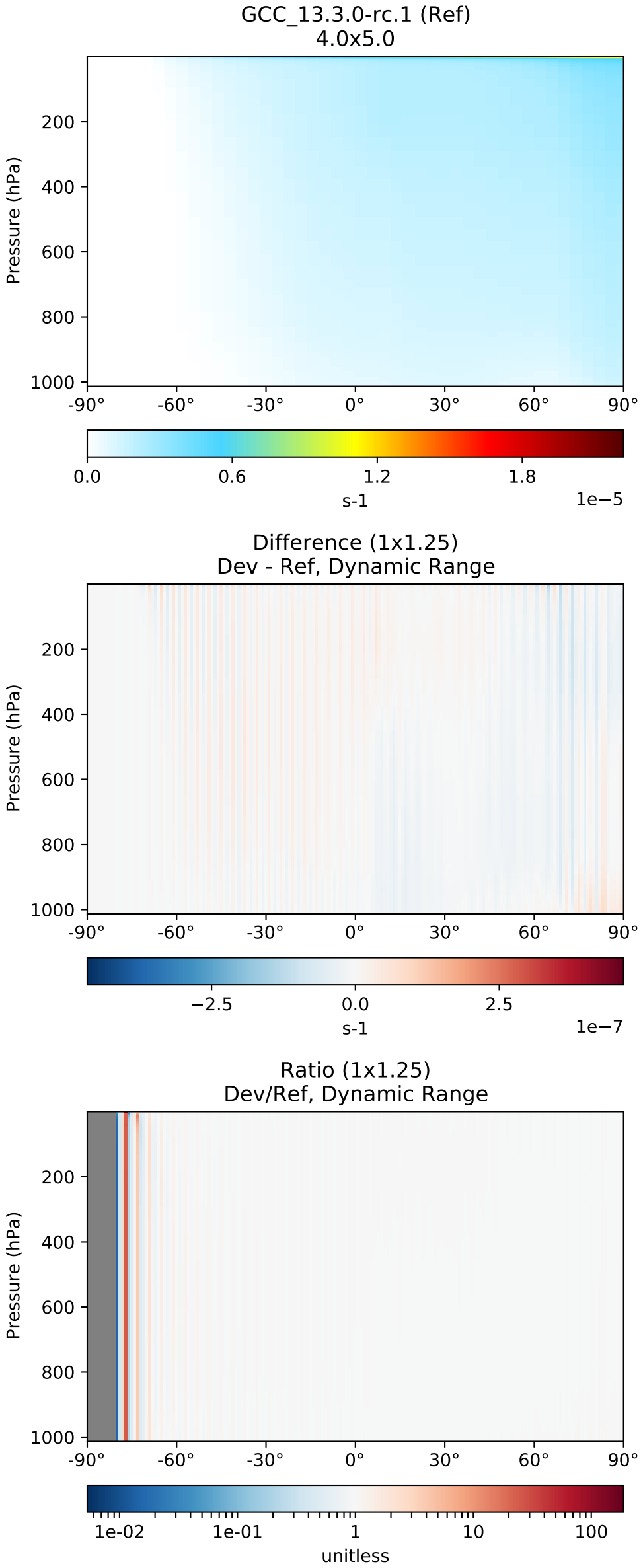


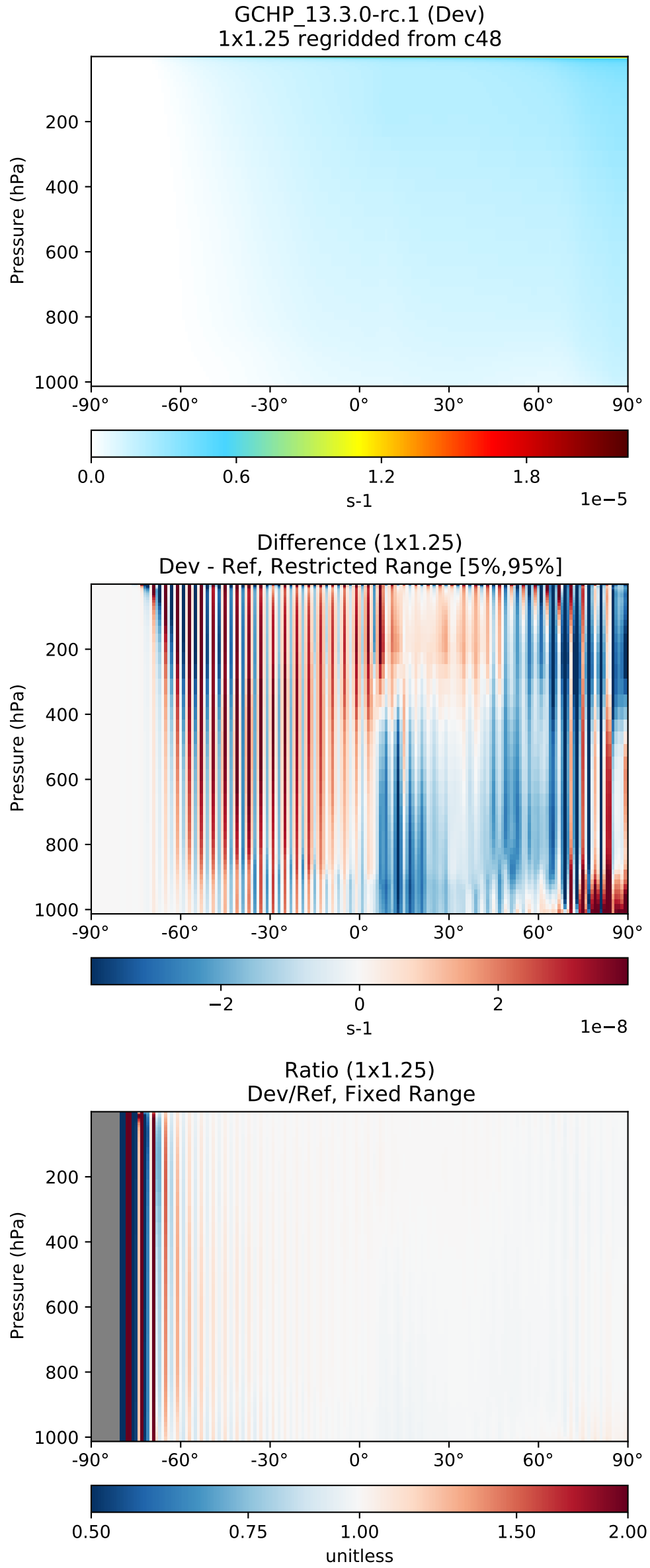
Jval_ETNO3, Zonal Mean



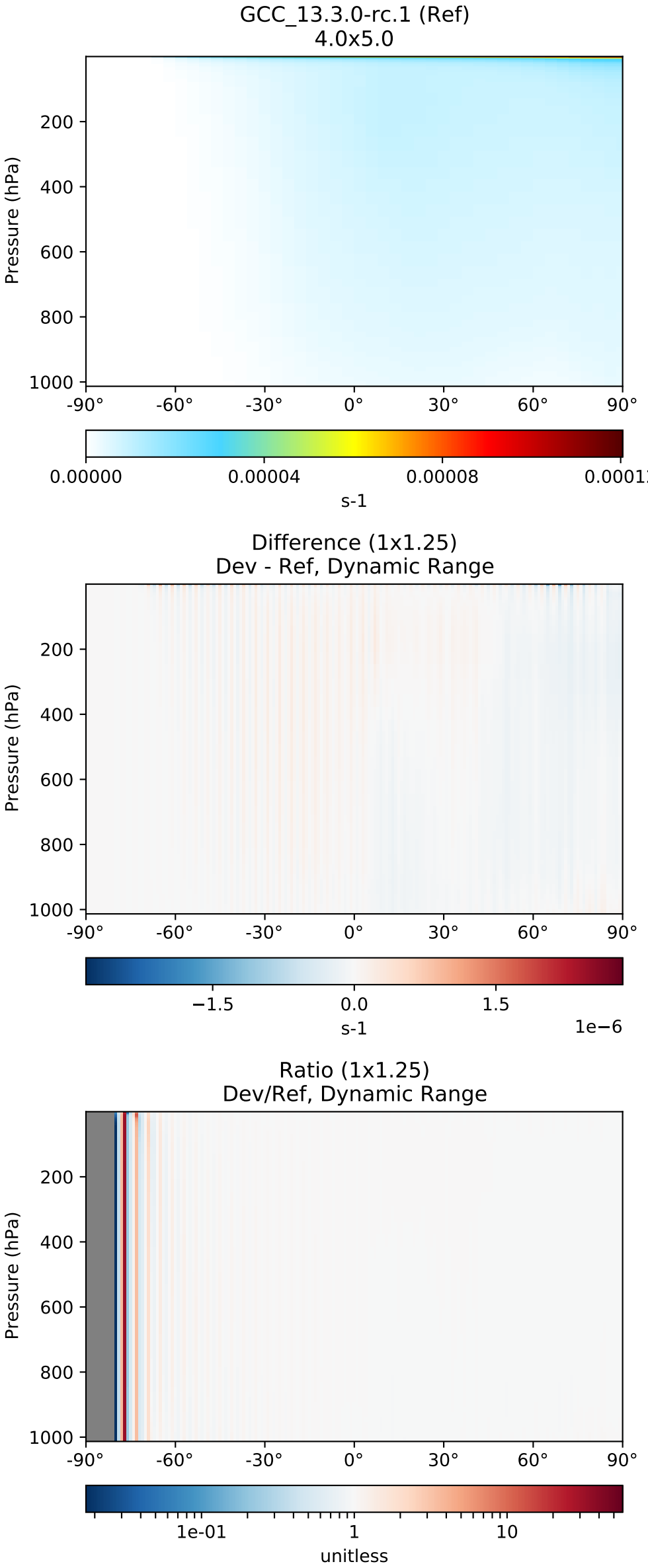


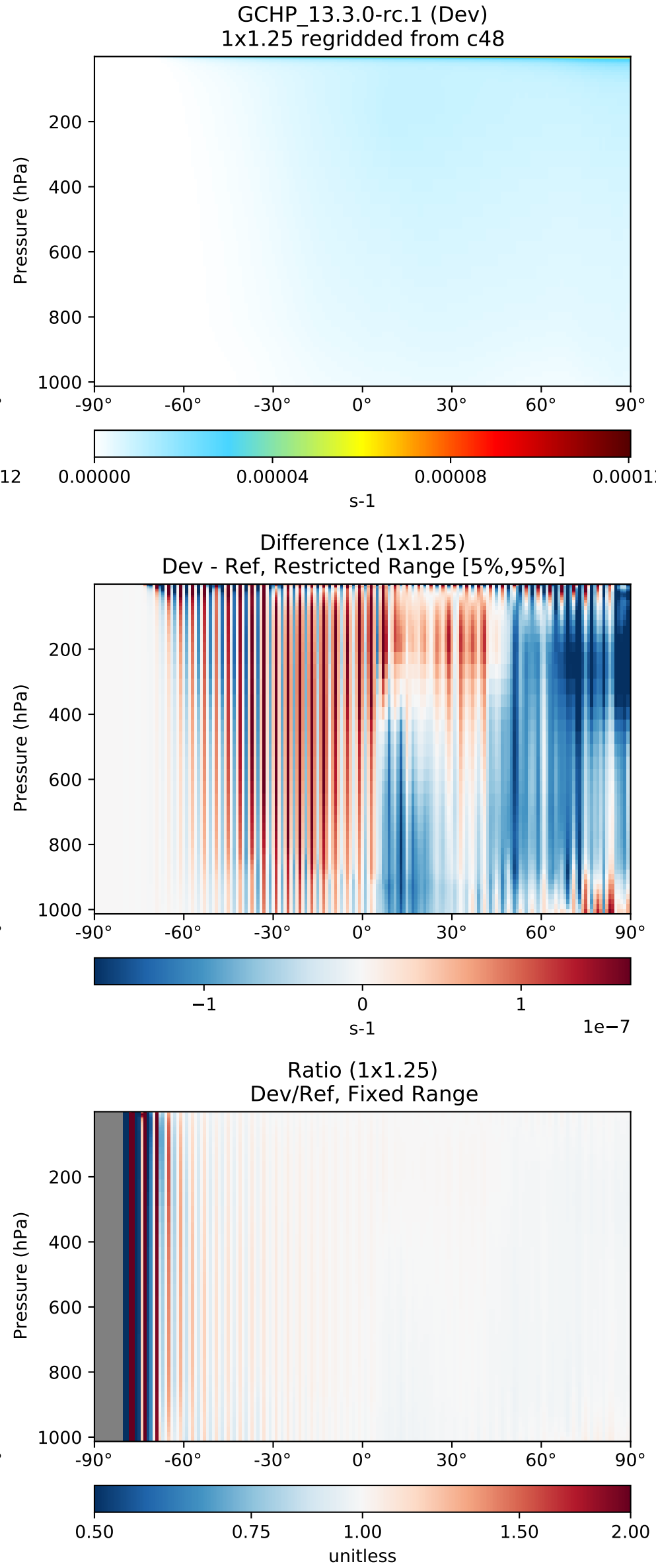
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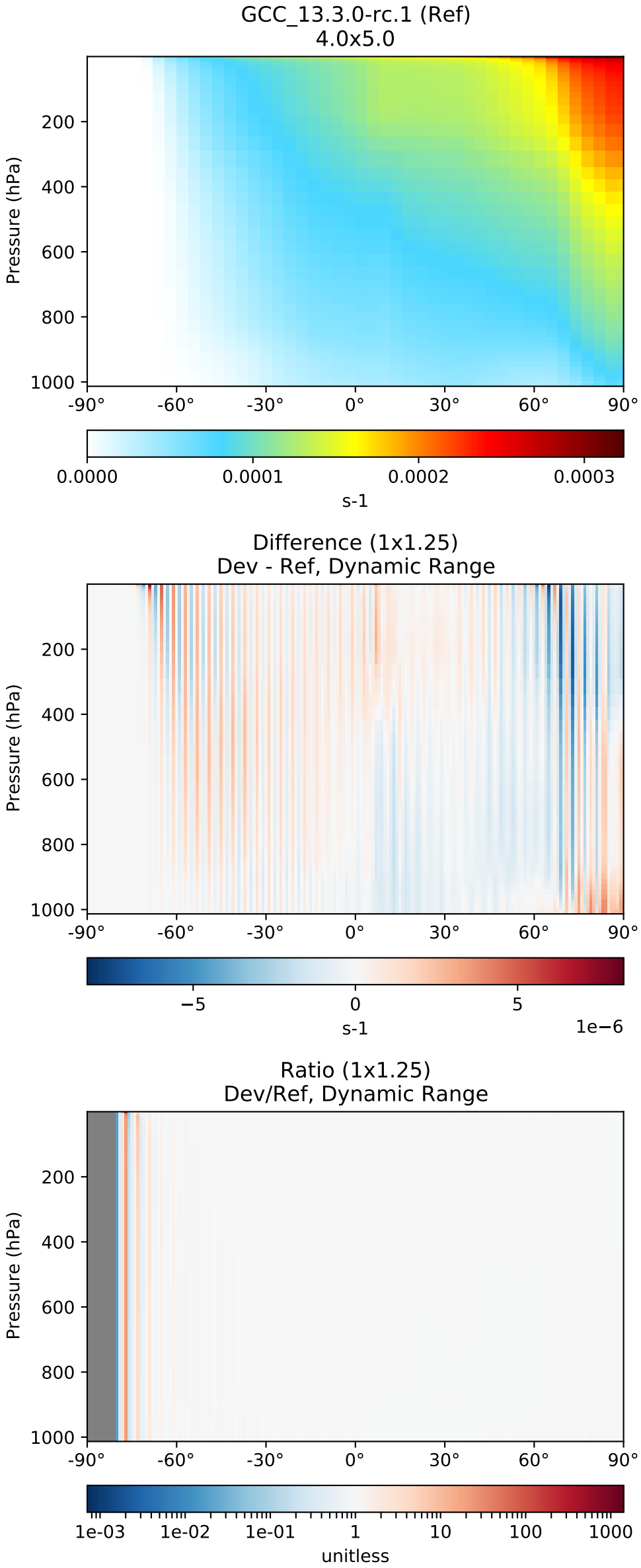


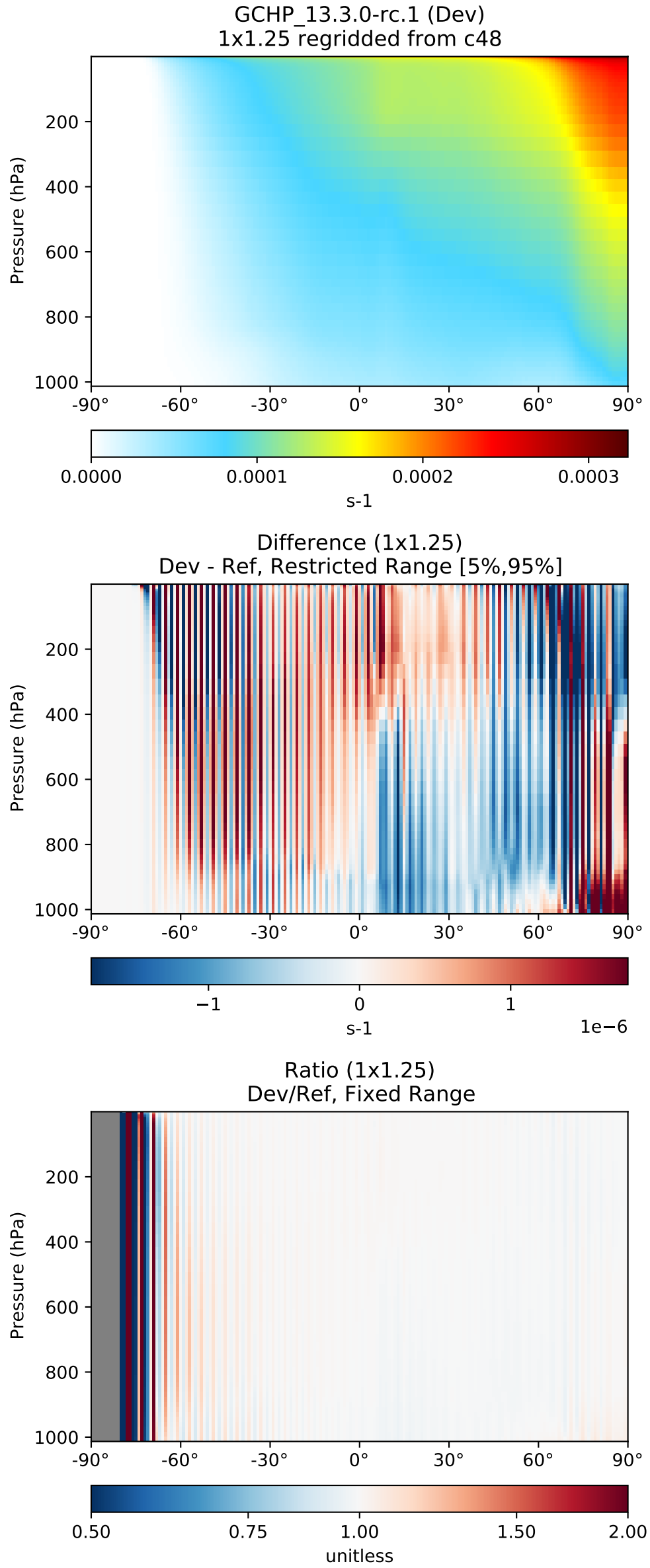
Jval_GLYC, Zonal Mean



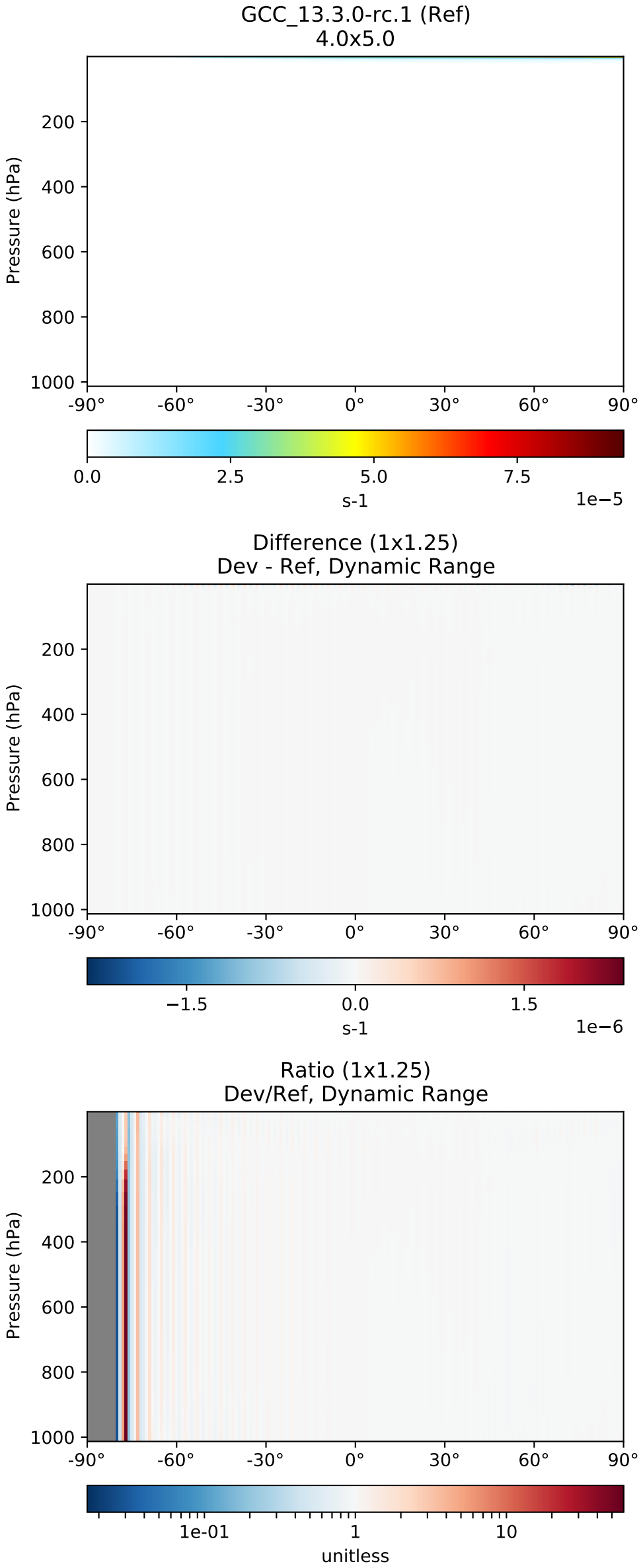


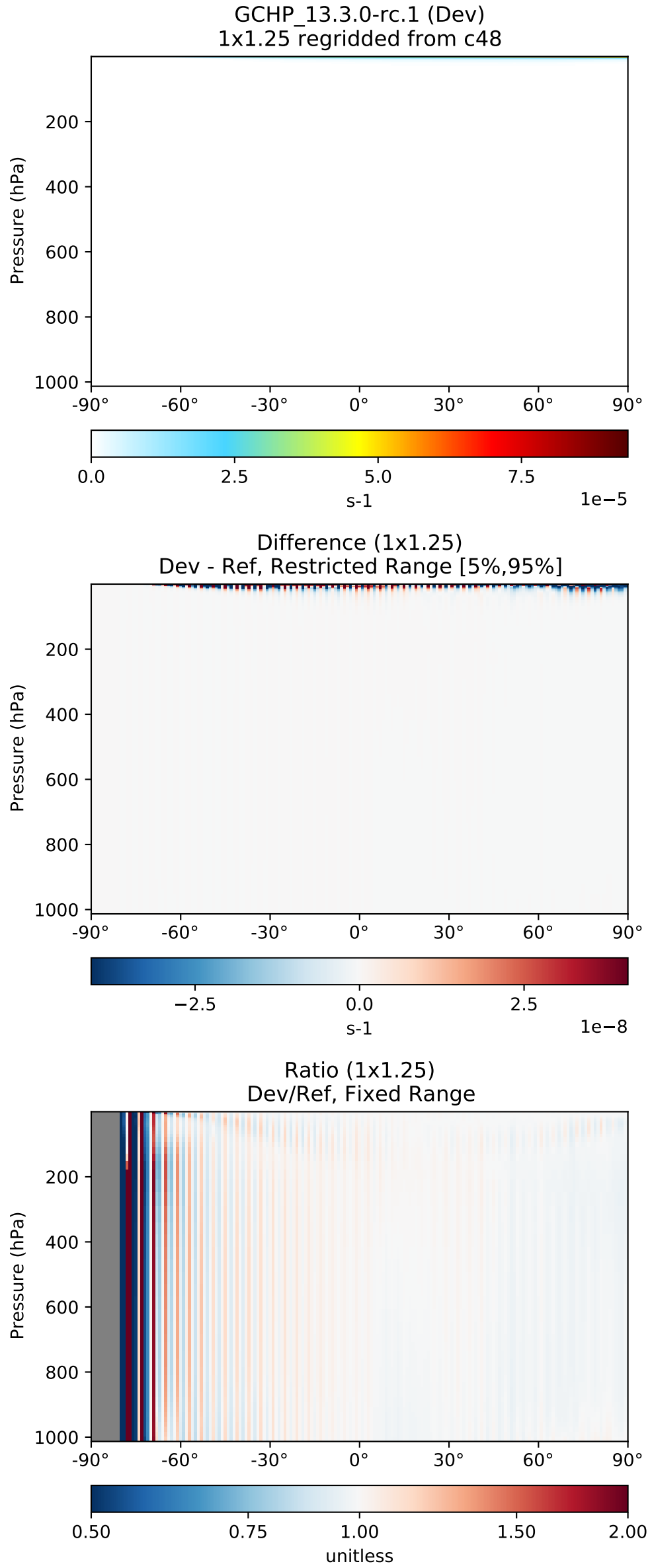
Jval_GLYX, Zonal Mean



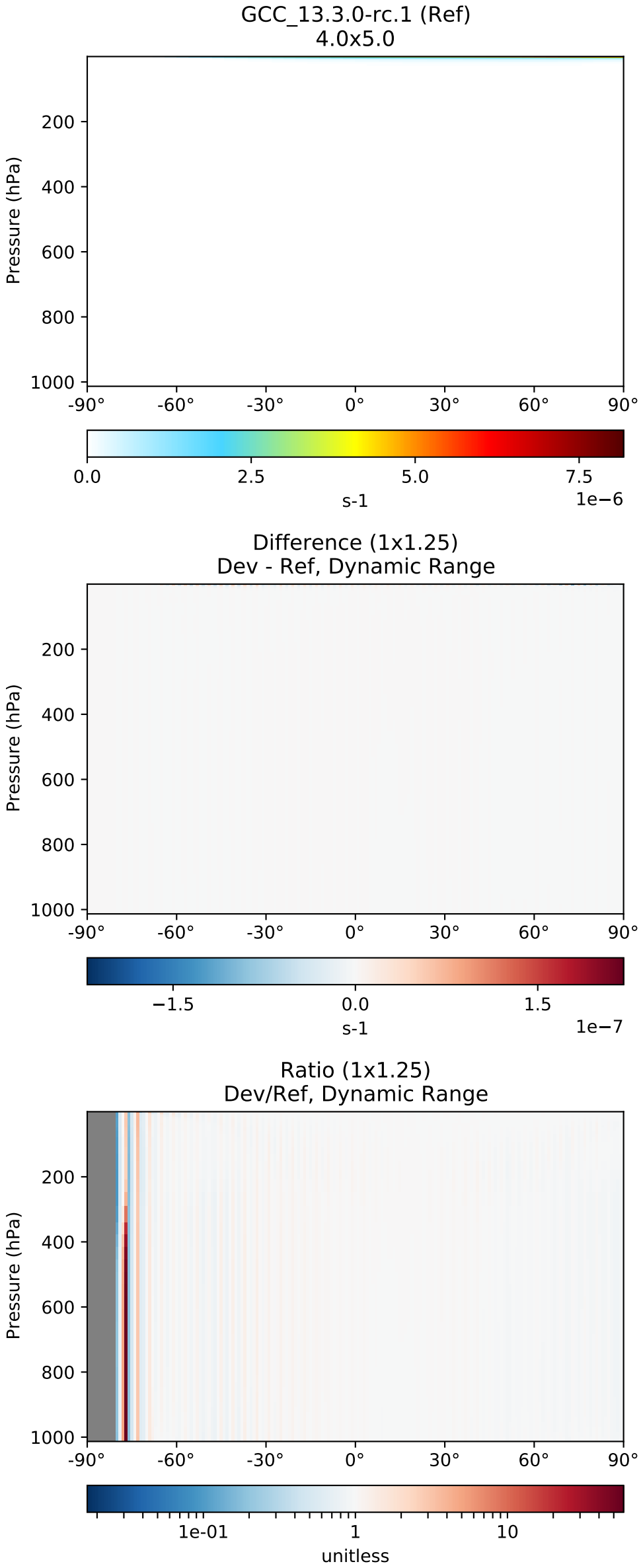


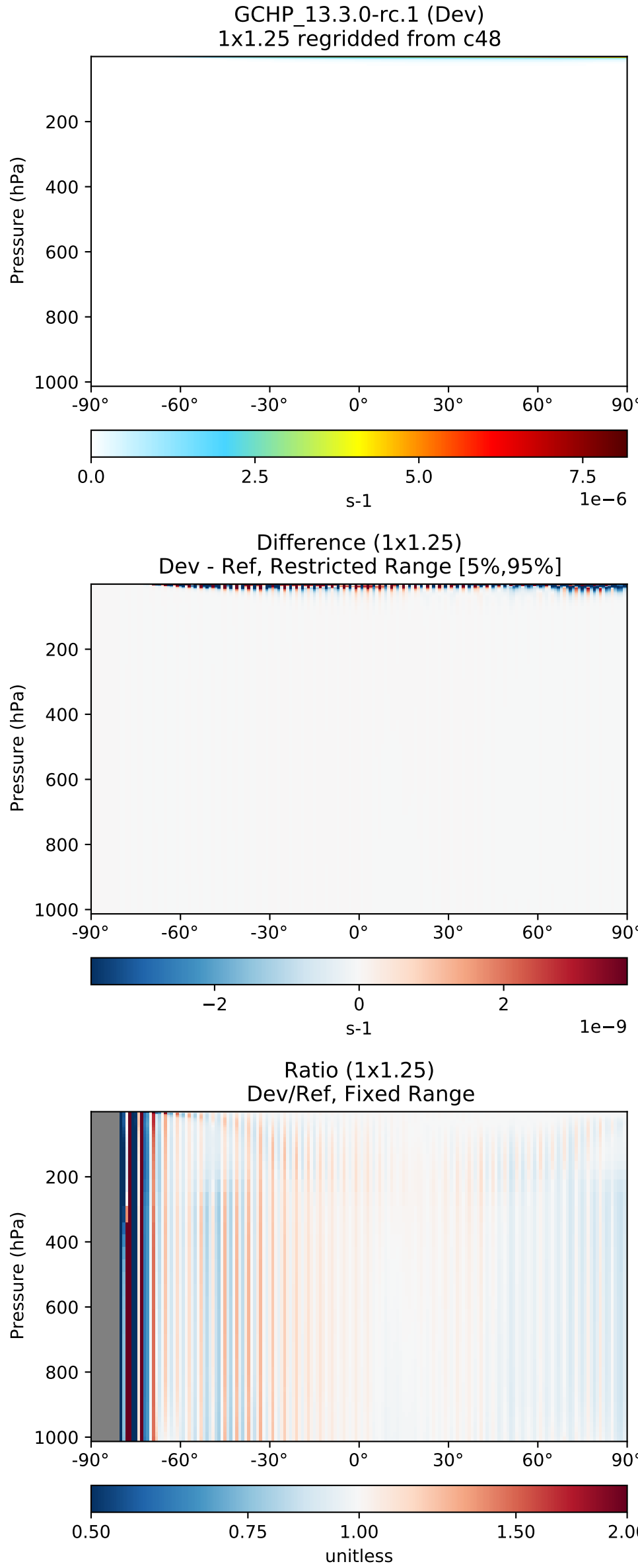
Jval_H1211, Zonal Mean



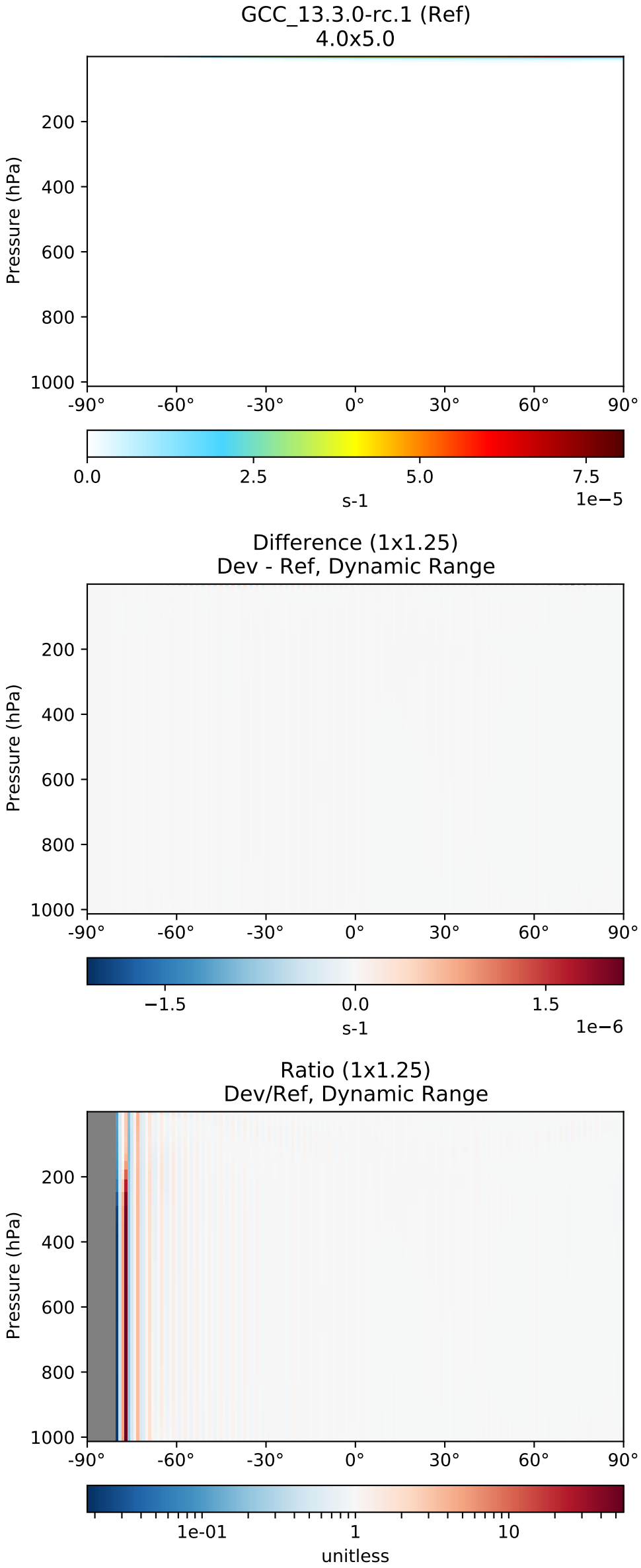


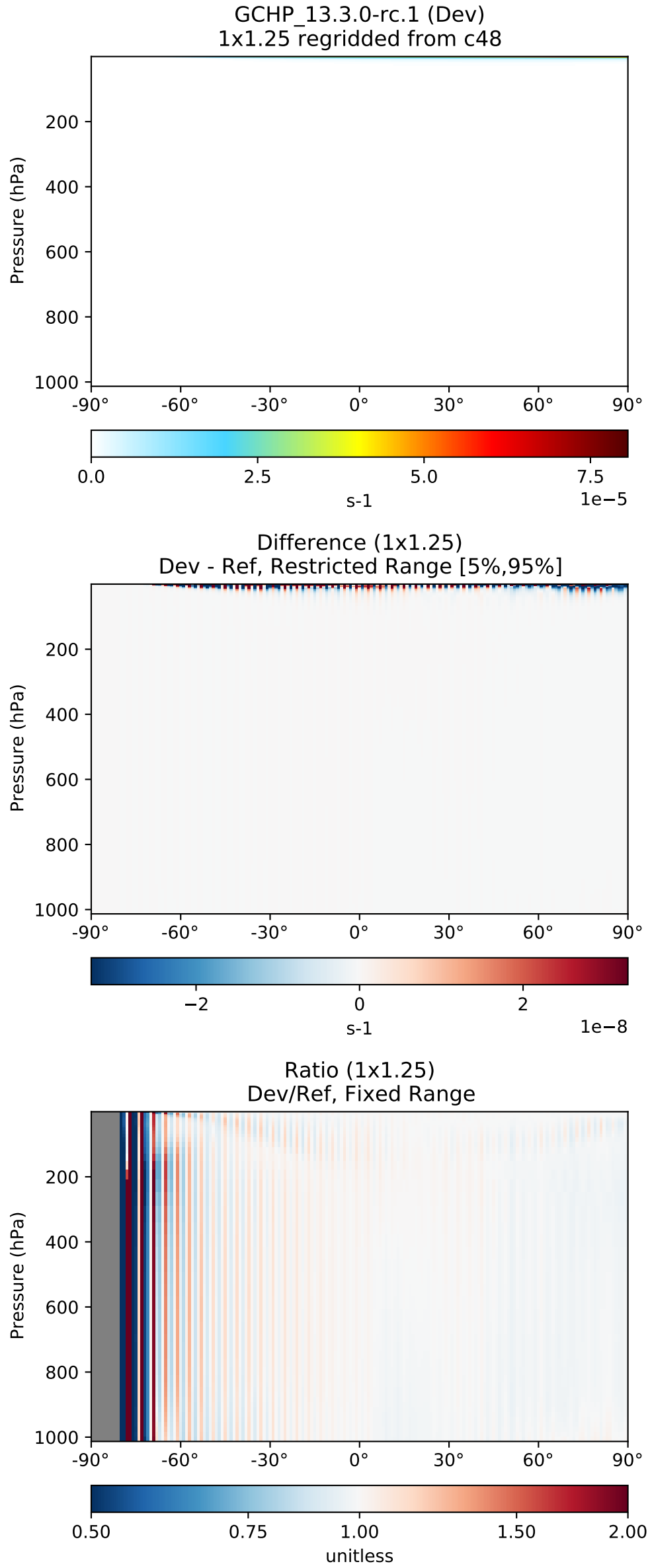
Jval_H1301, Zonal Mean



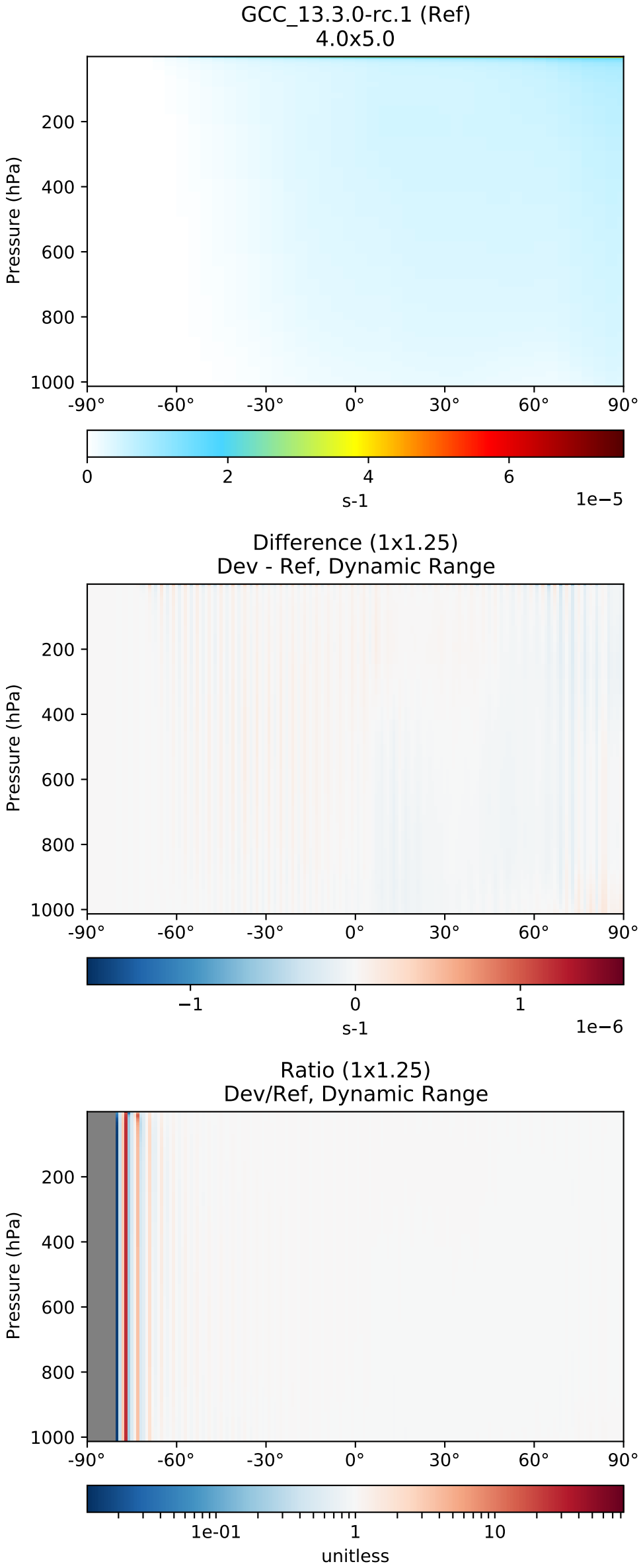


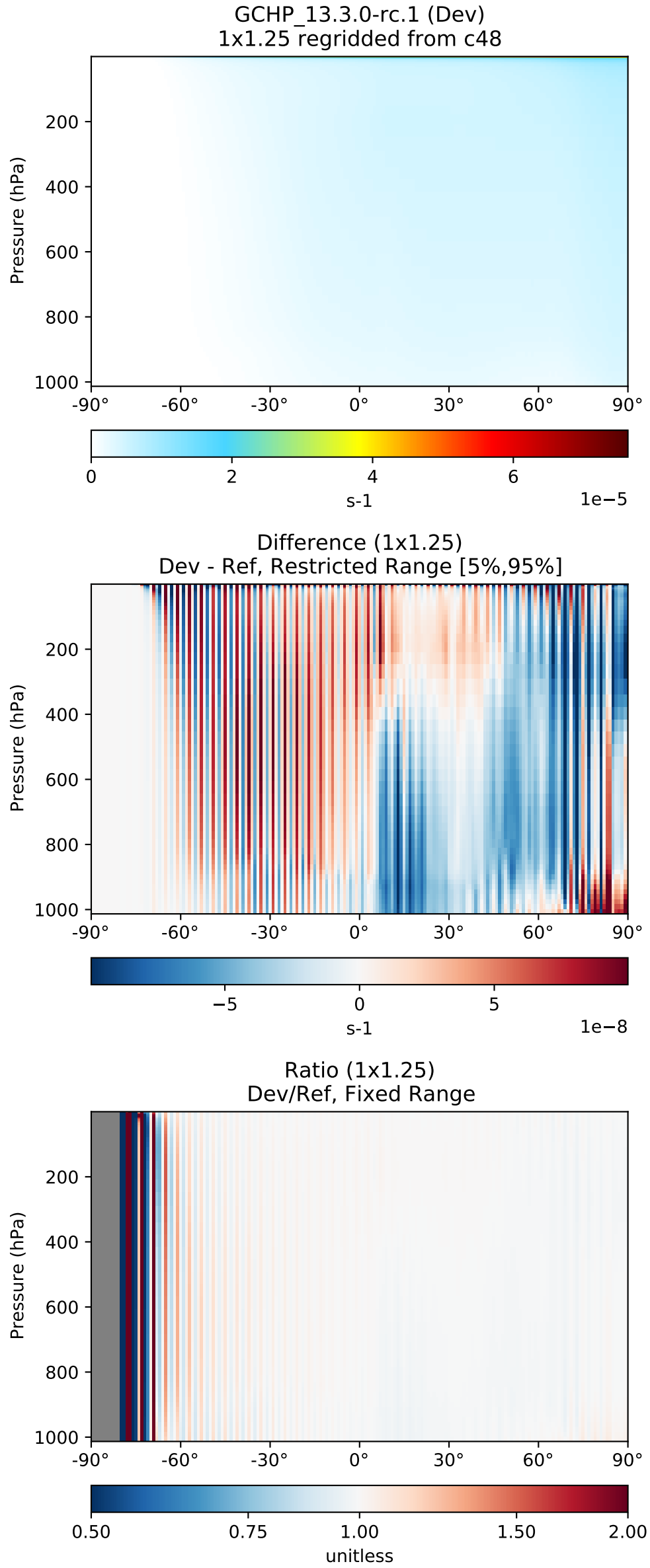
Jval_H2402, Zonal Mean



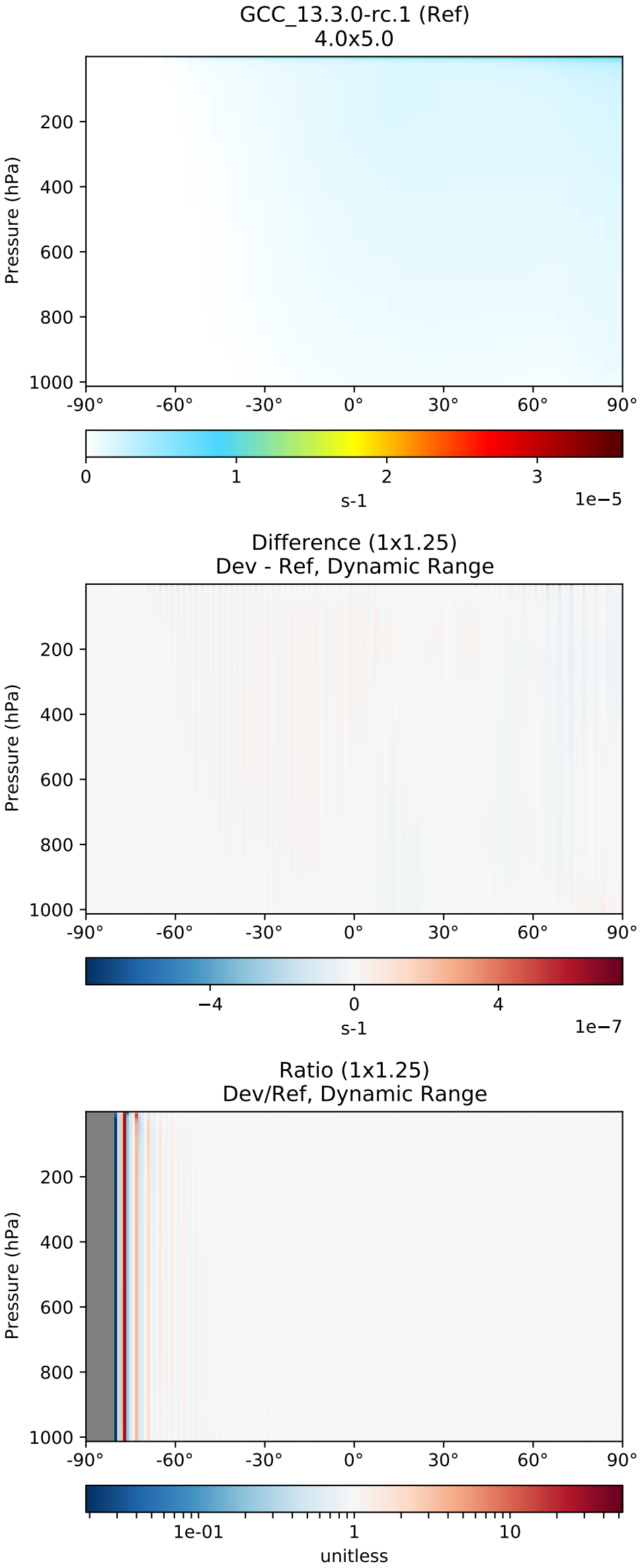


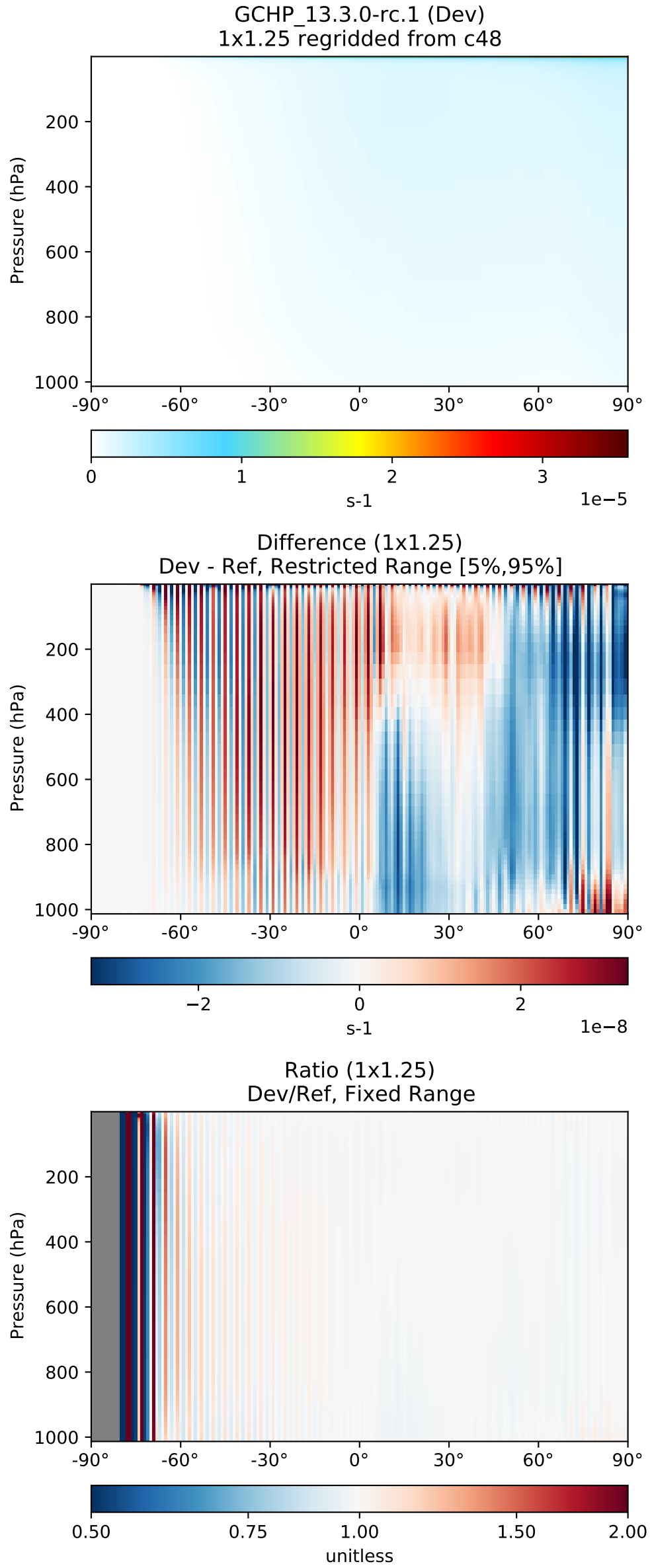
Jval_H2O2, Zonal Mean



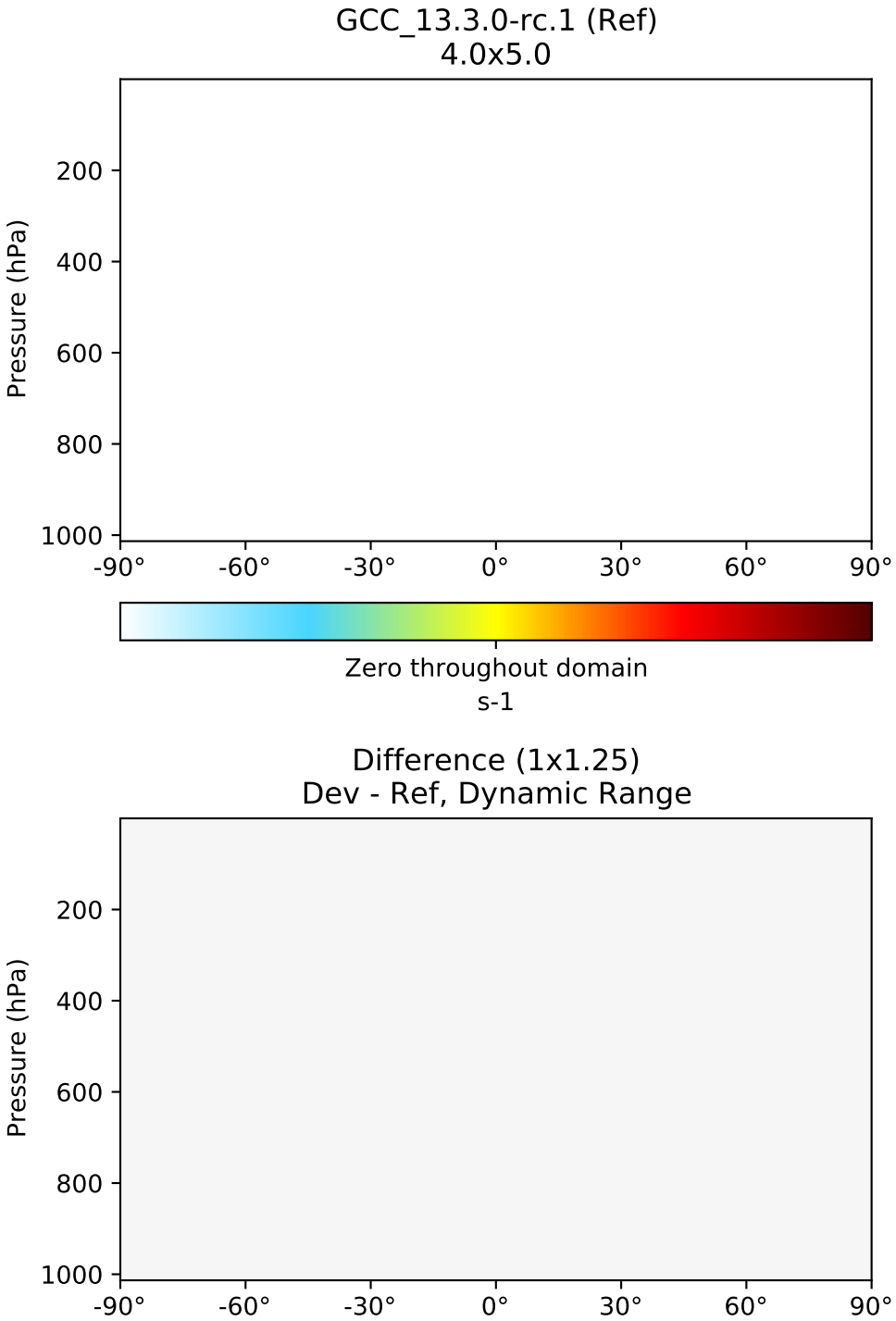


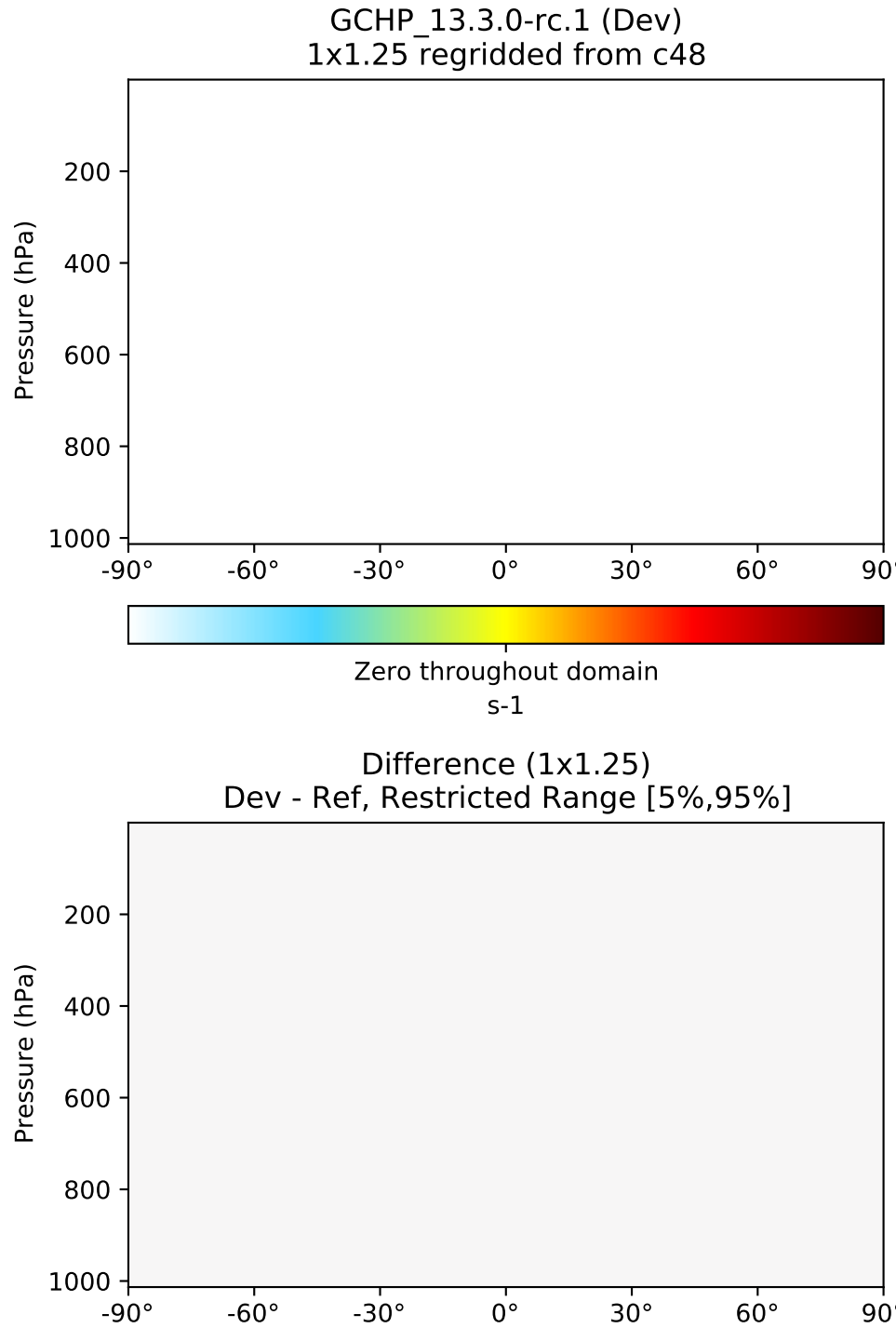
Jval_HAC, Zonal Mean

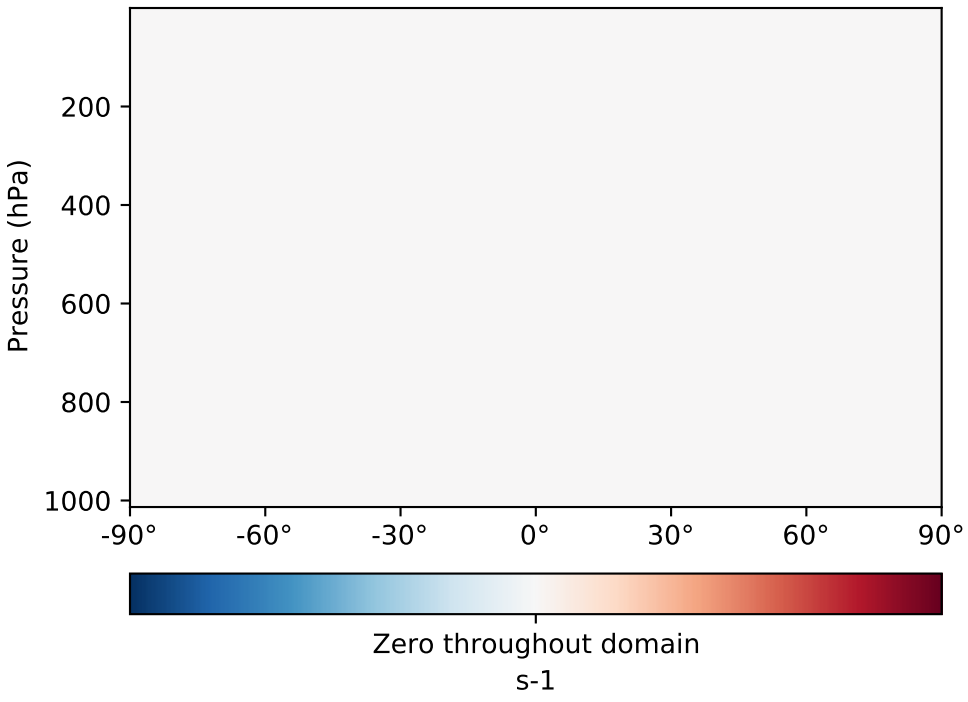


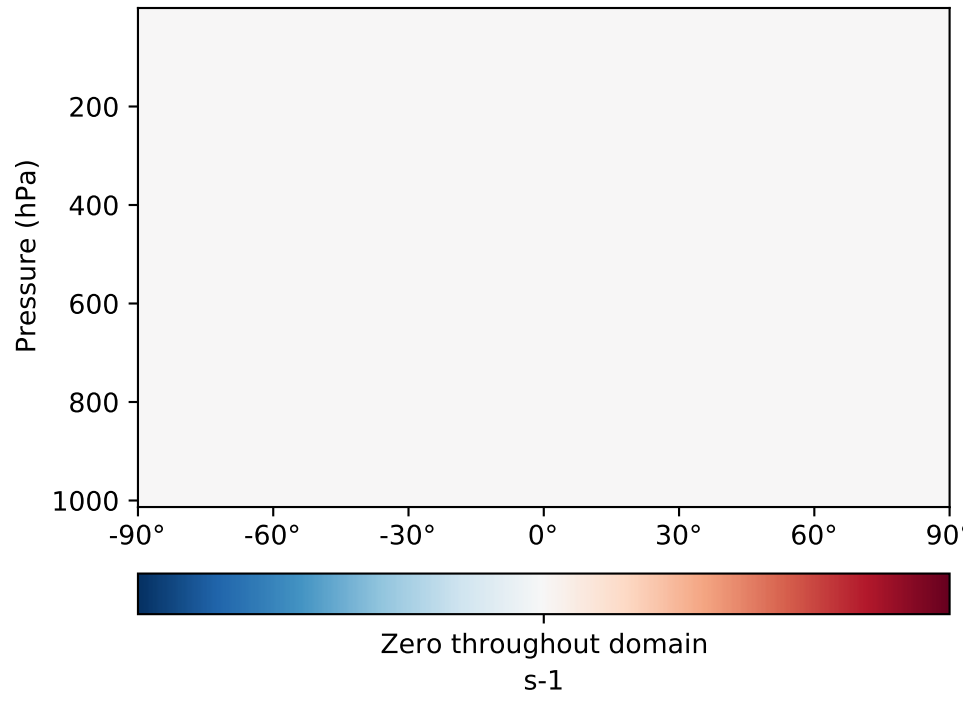


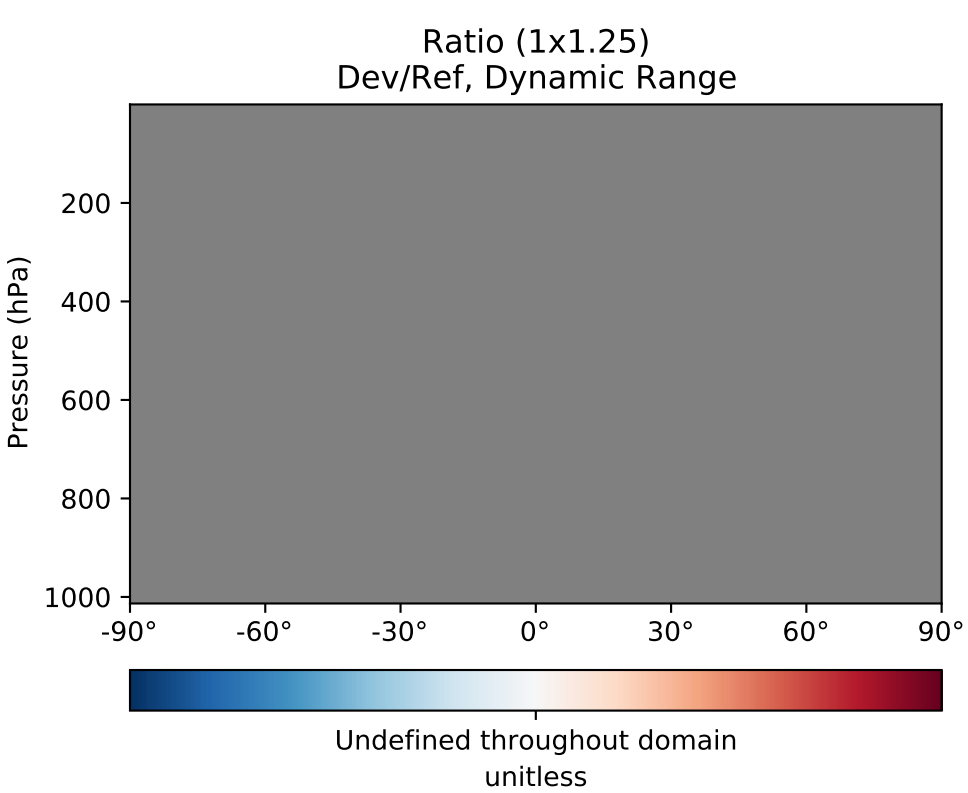
Jval_HC5A, Zonal Mean

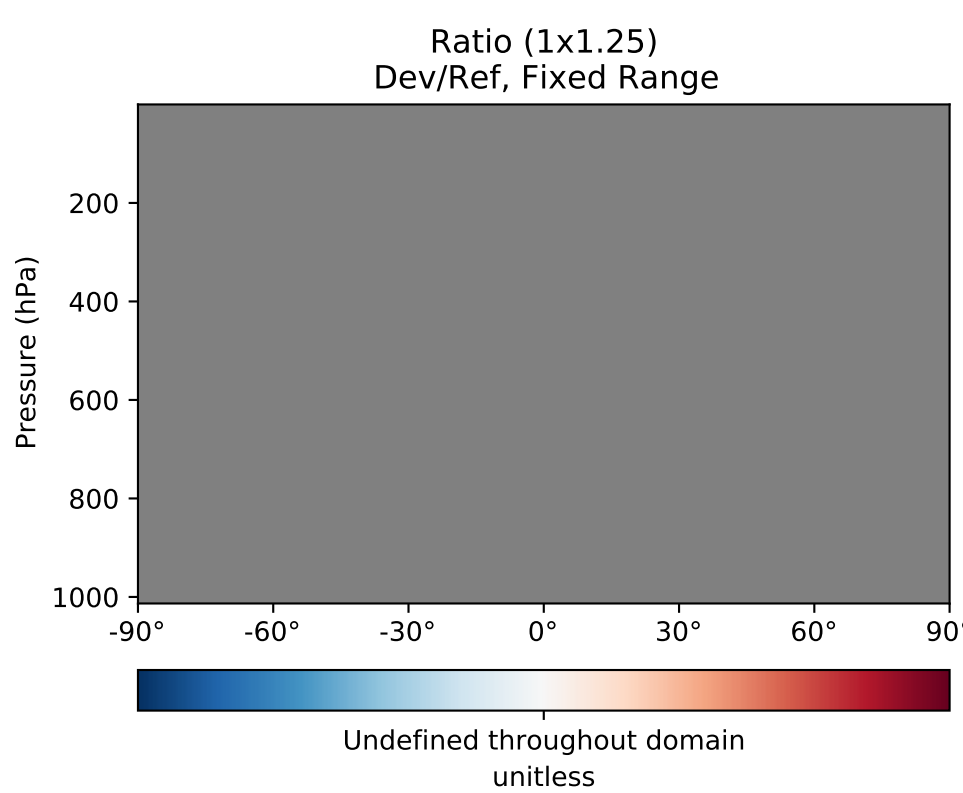




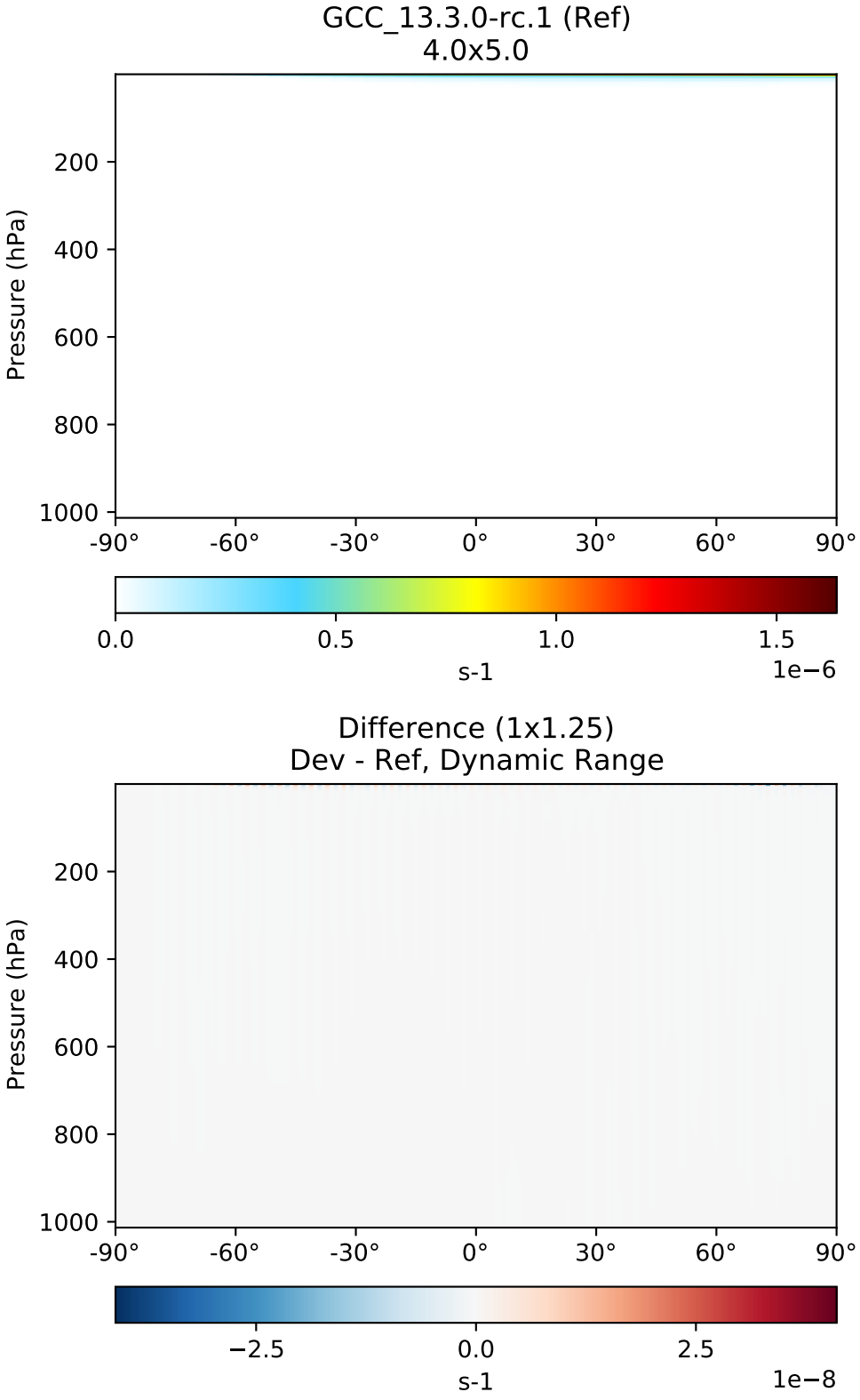


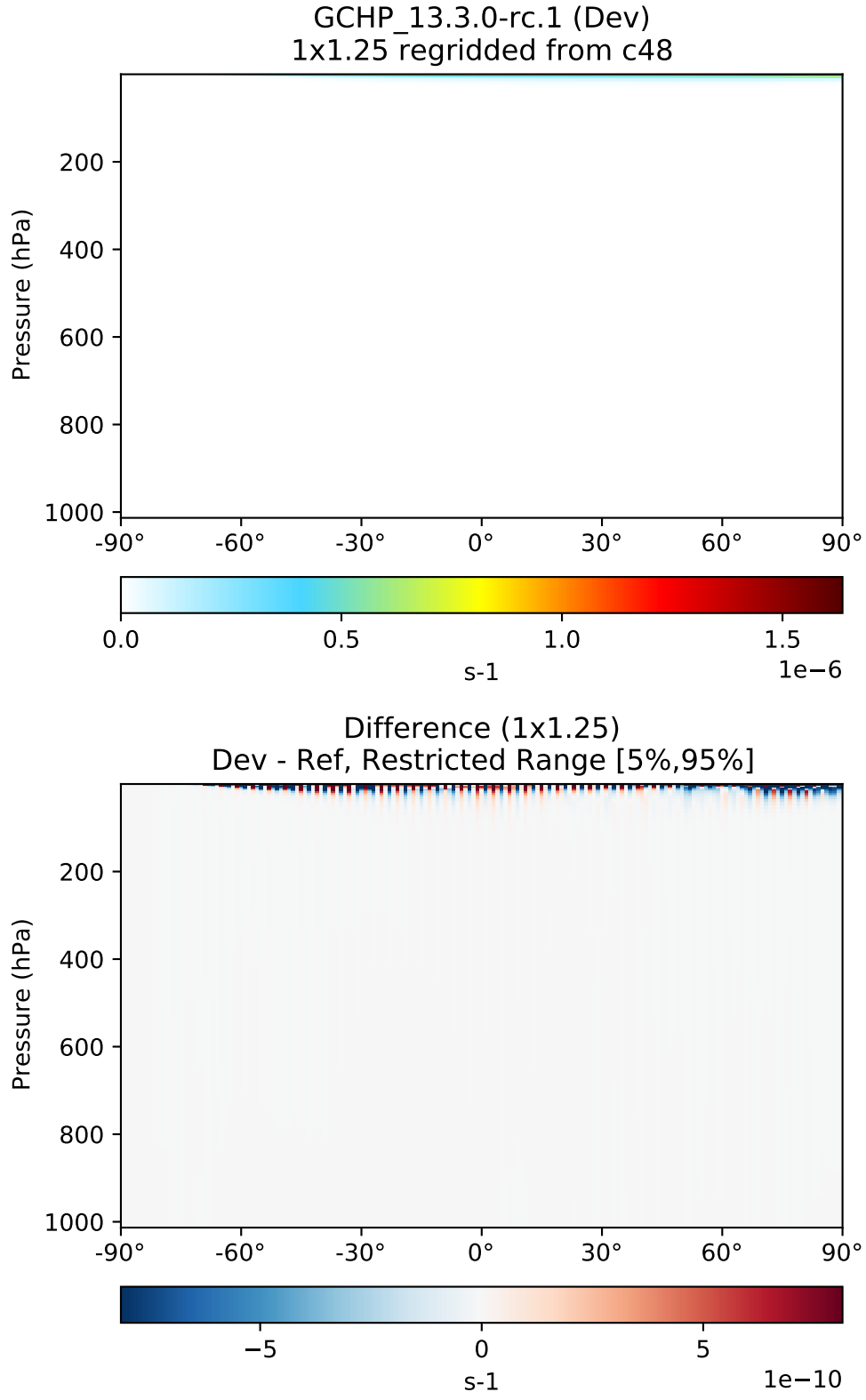


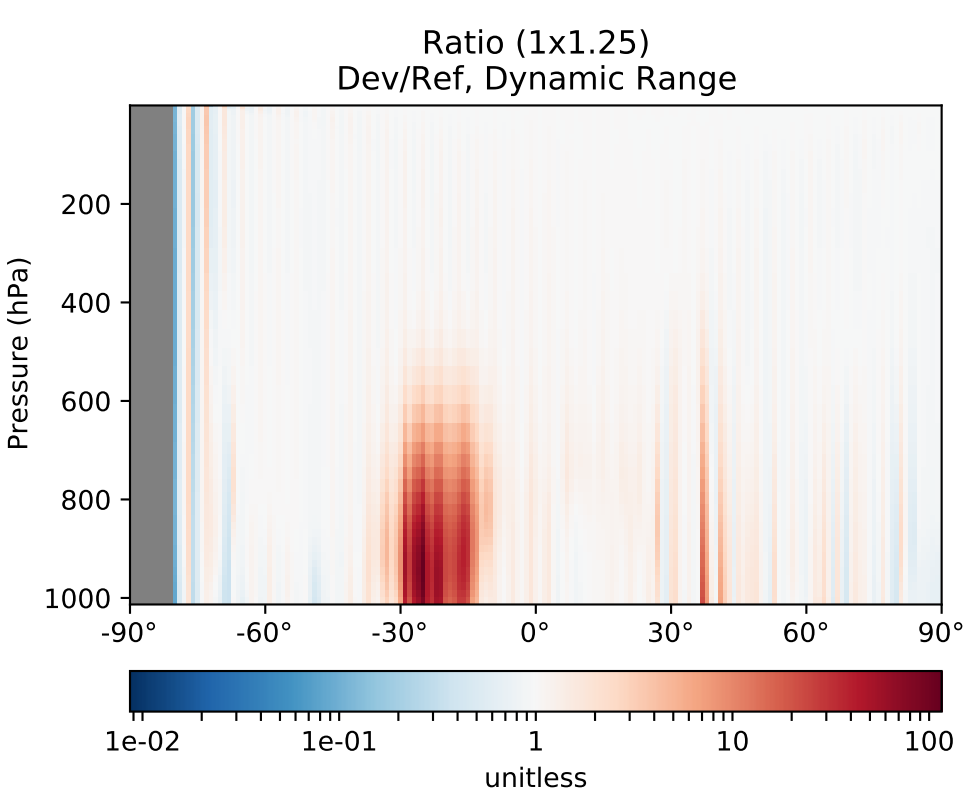


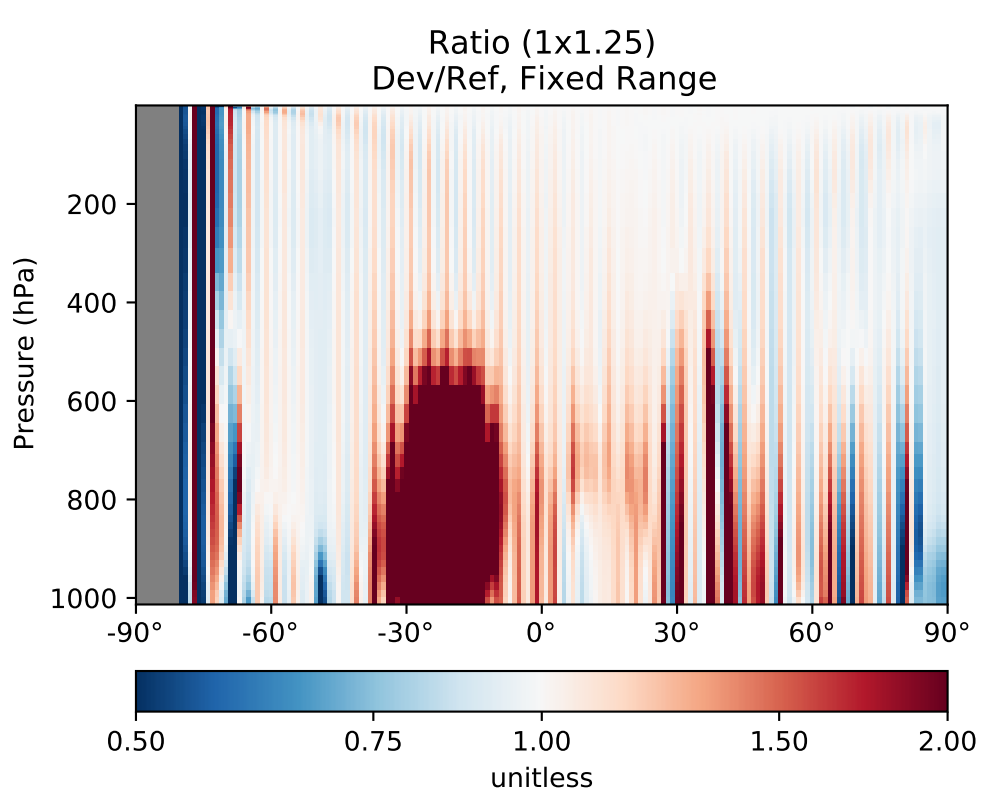


Jval_HCFC123, Zonal Mean





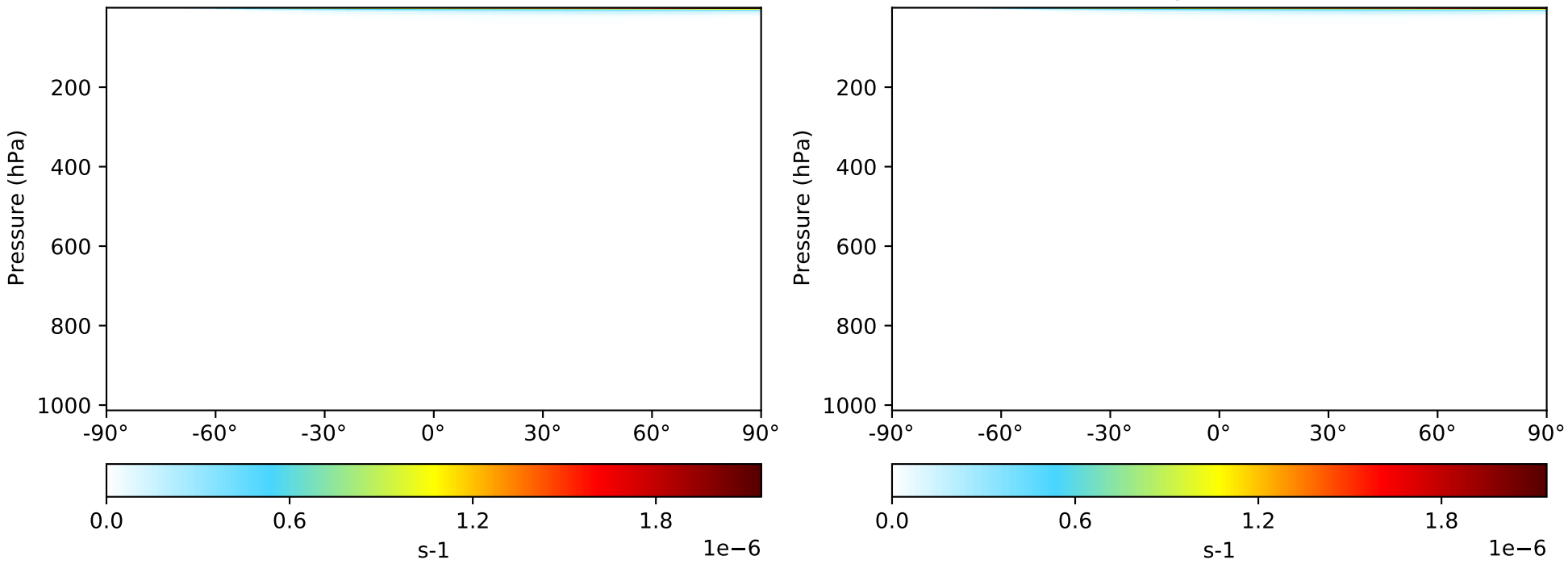




Jval_HCFC141b, Zonal Mean

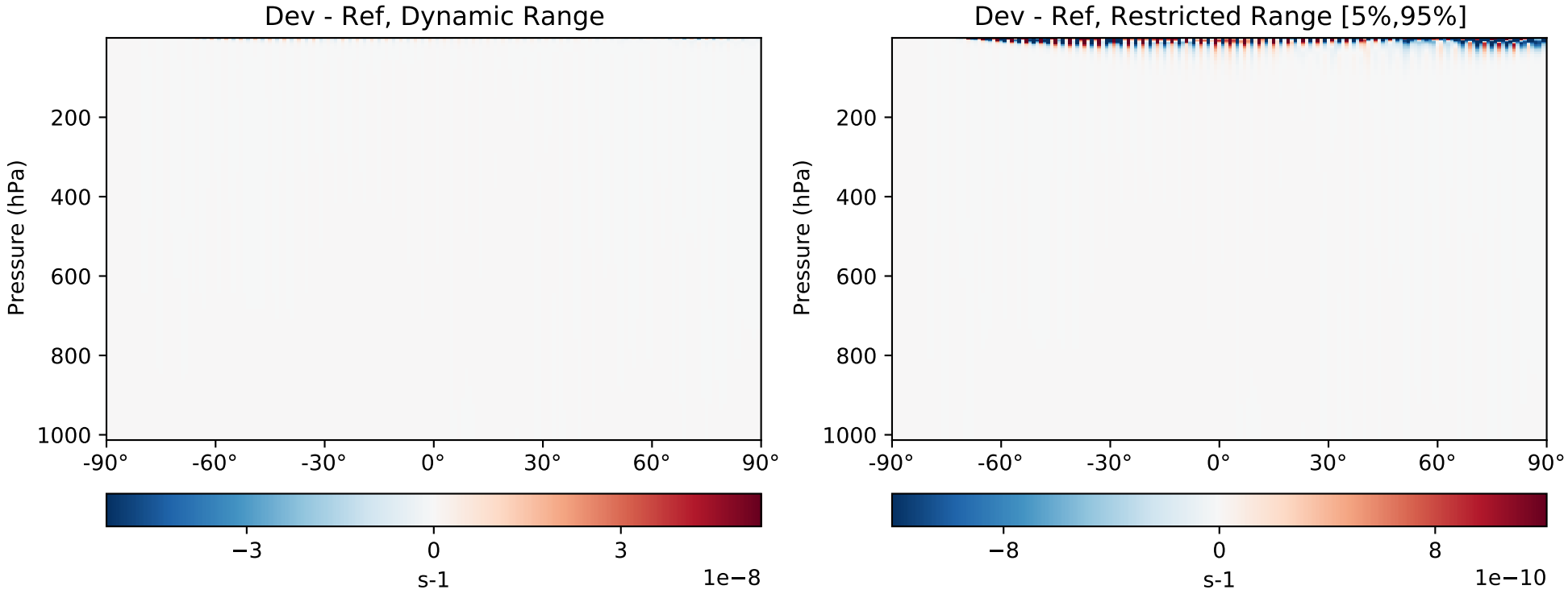
GCC_13.3.0-rc.1 (Ref)
4.0x5.0

GCHP_13.3.0-rc.1 (Dev)
1x1.25 regridded from c48



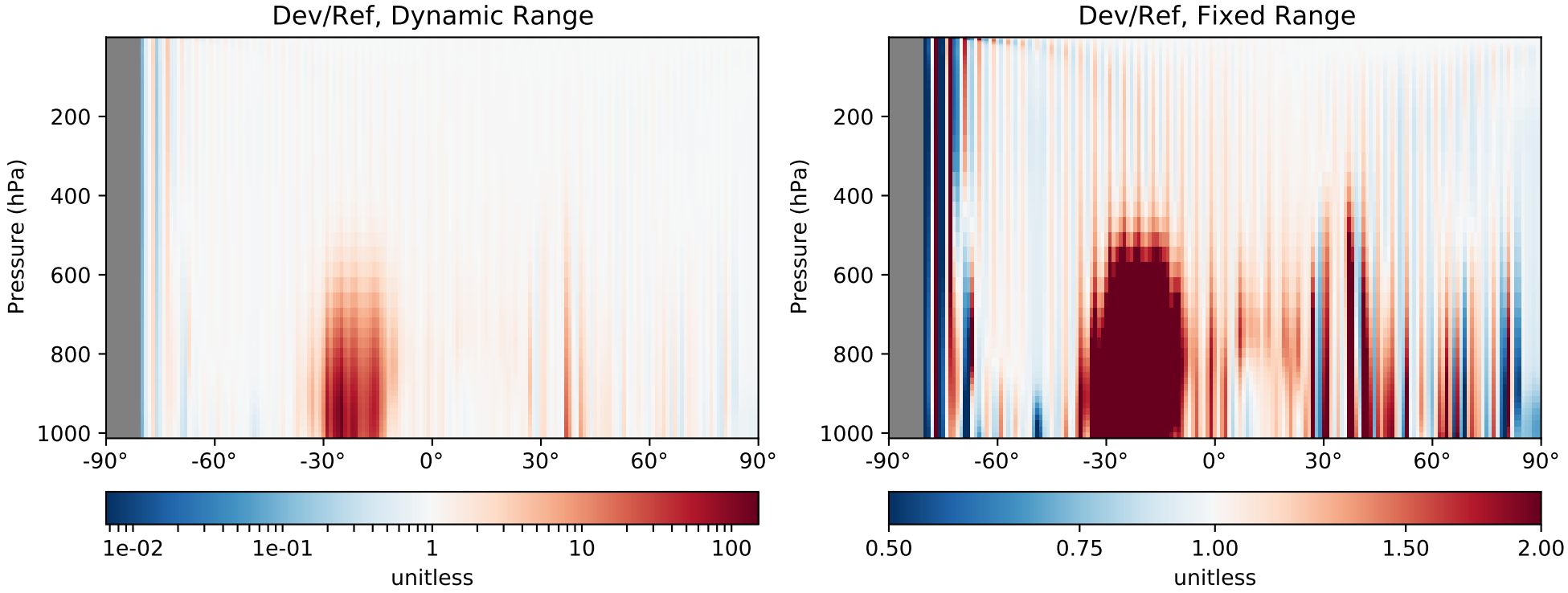
Difference (1x1.25)
Dev - Ref, Dynamic Range

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



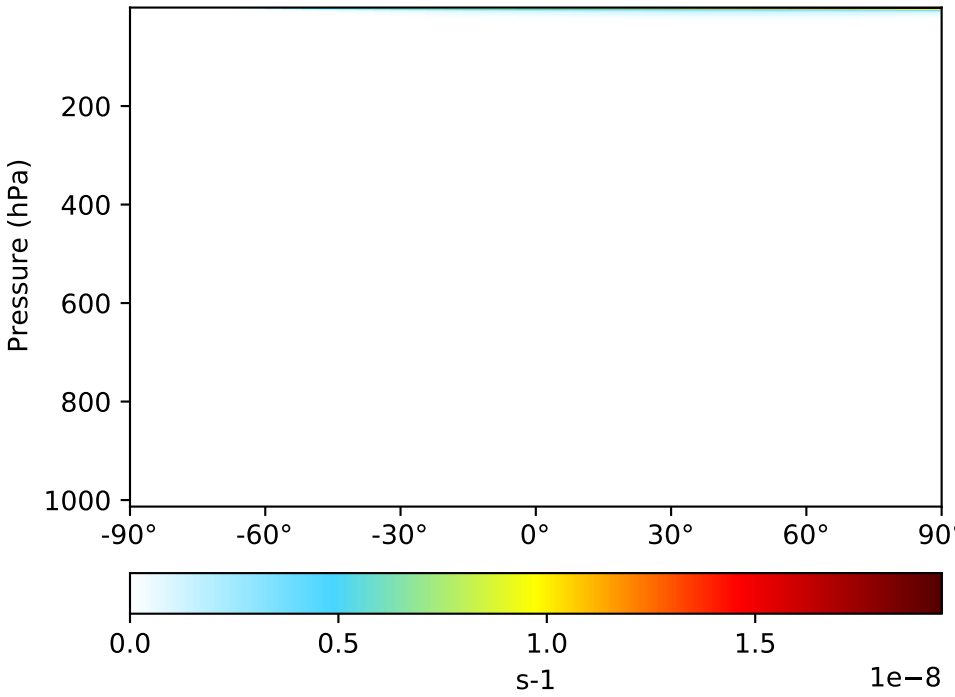
Ratio (1x1.25)
Dev/Ref, Dynamic Range

Ratio (1x1.25)
Dev/Ref, Fixed Range

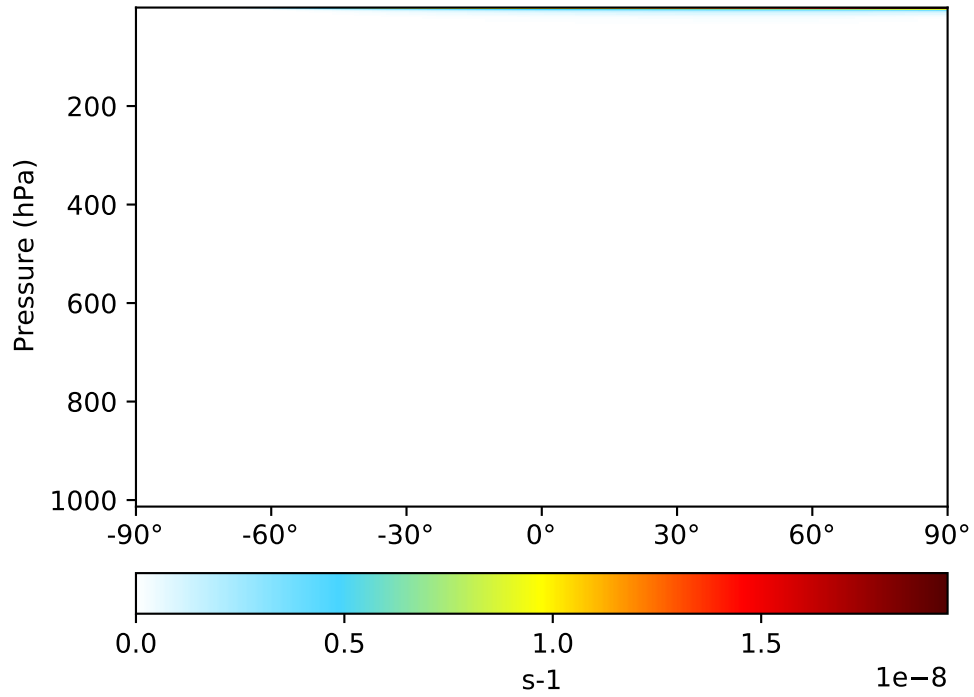


Jval_HCFC142b, Zonal Mean

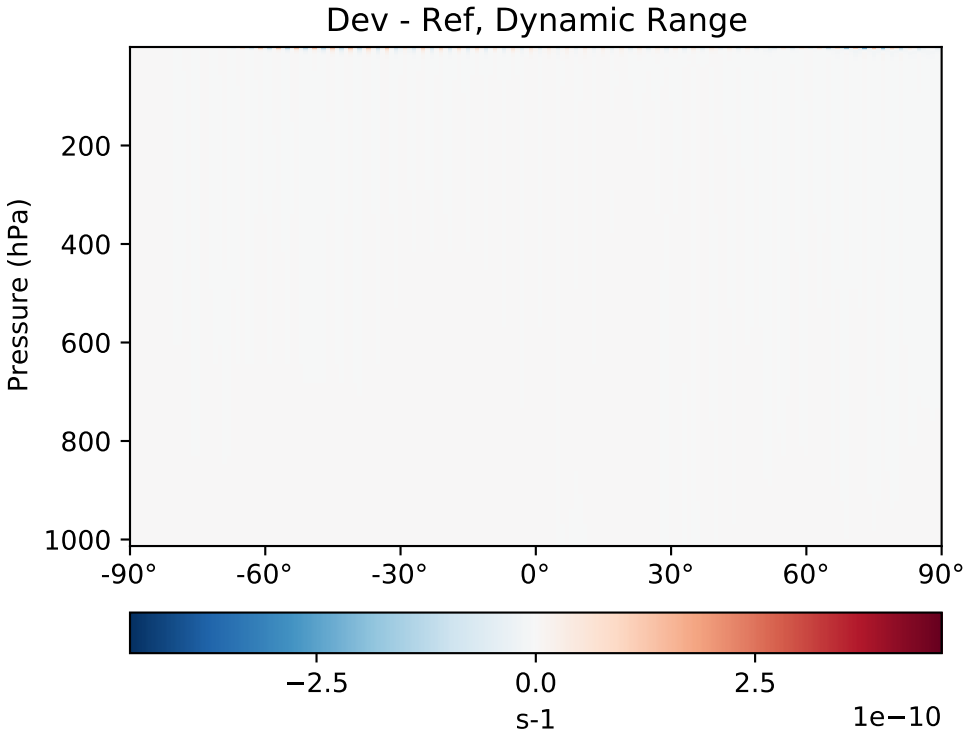
GCC_13.3.0-rc.1 (Ref)
4.0x5.0



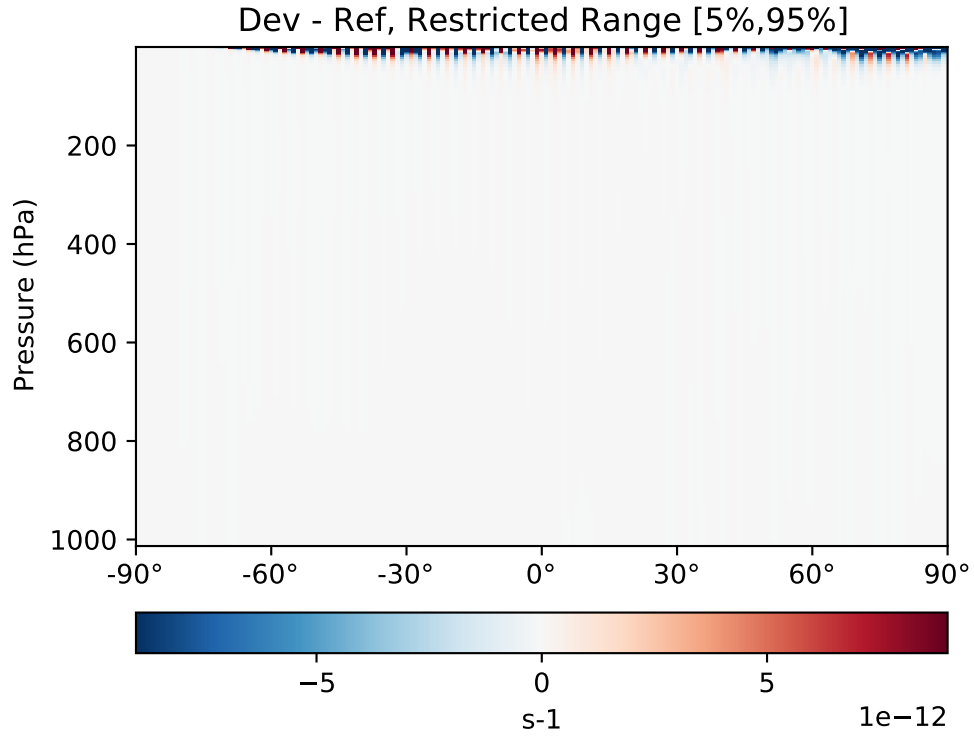
GCHP_13.3.0-rc.1 (Dev)
1x1.25 regridded from c48



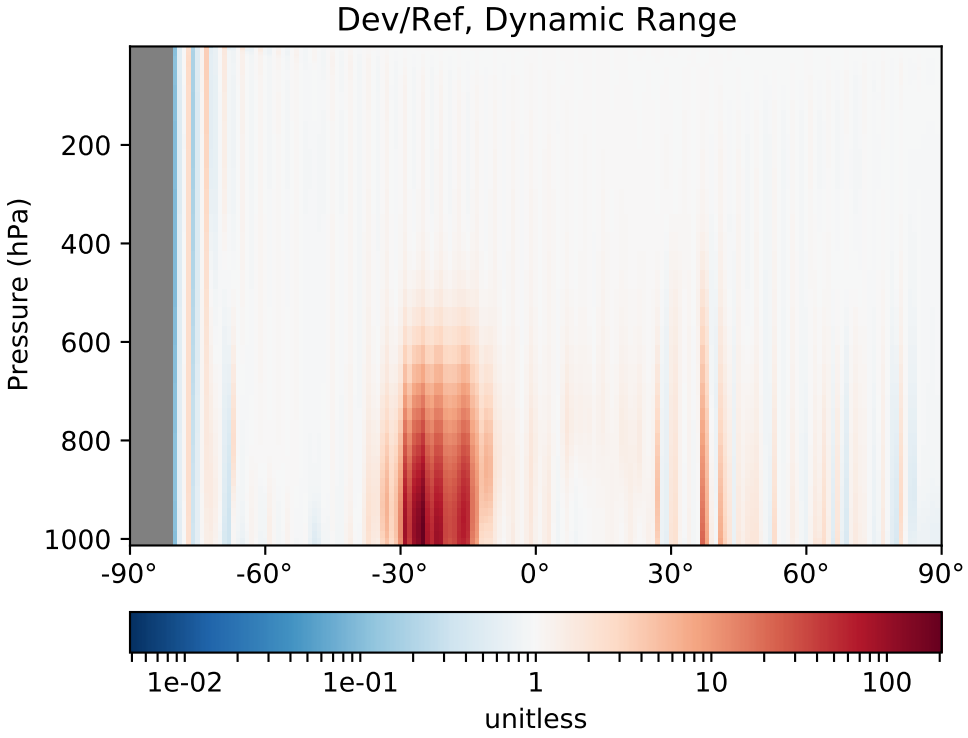
Difference (1x1.25)
Dev - Ref, Dynamic Range



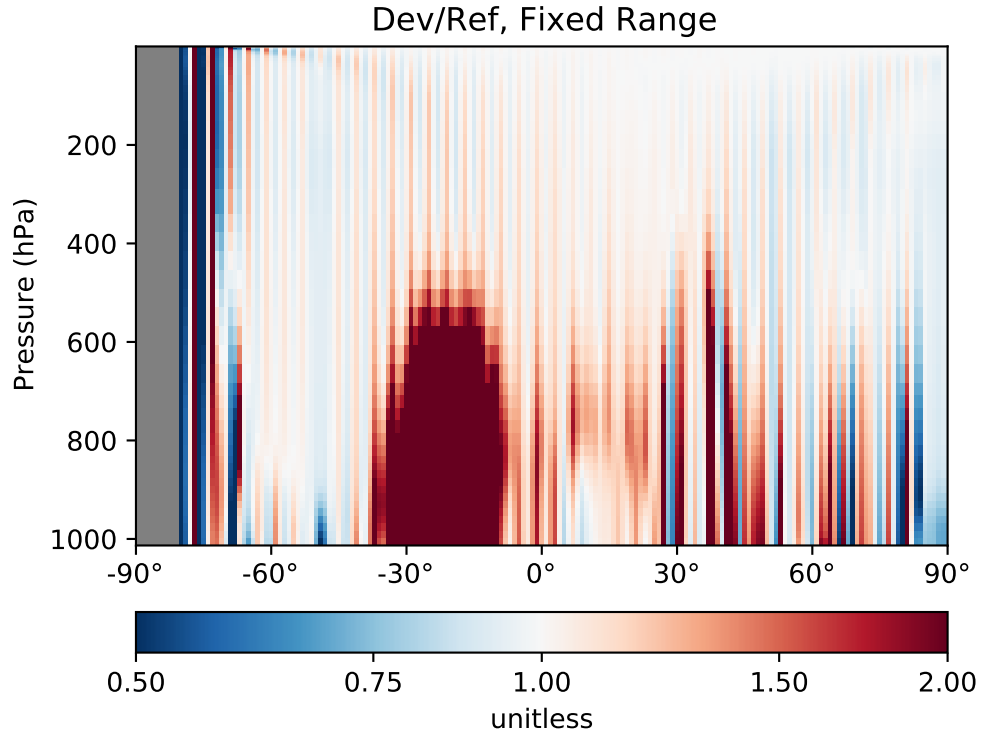
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



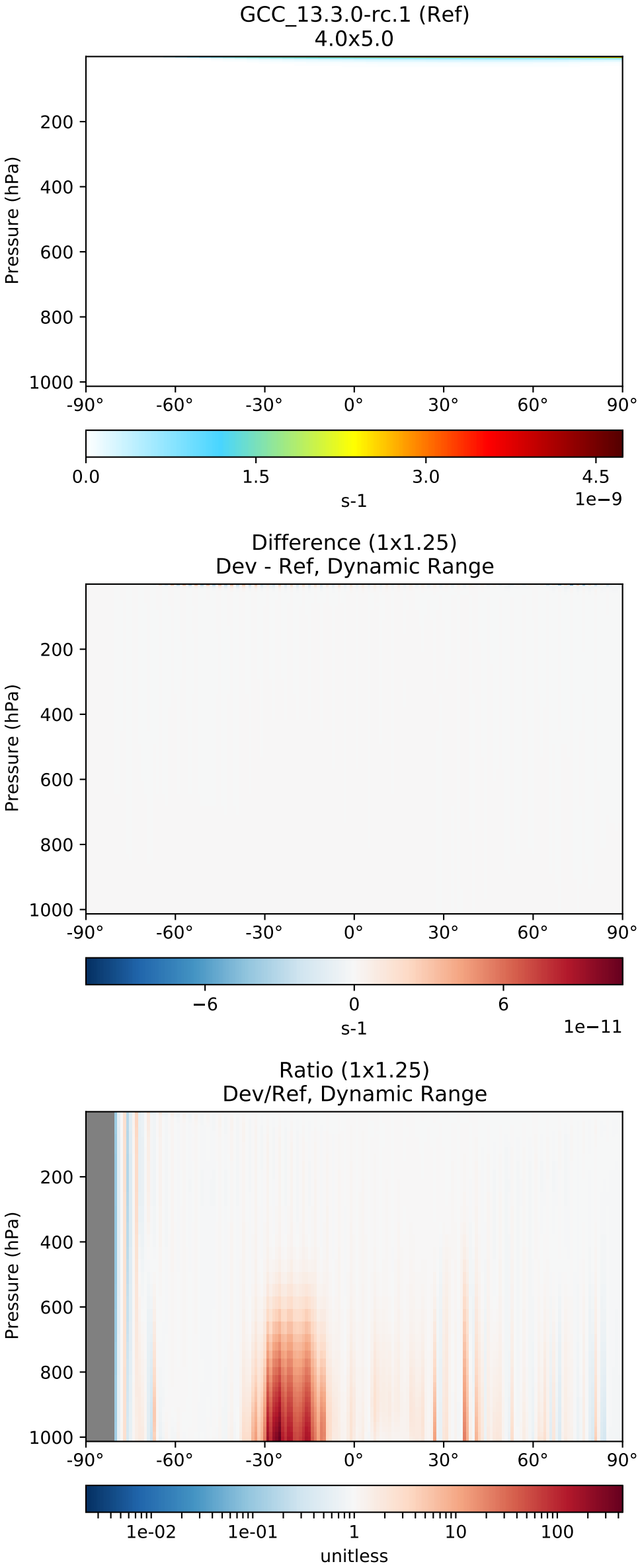
Ratio (1x1.25)
Dev/Ref, Dynamic Range

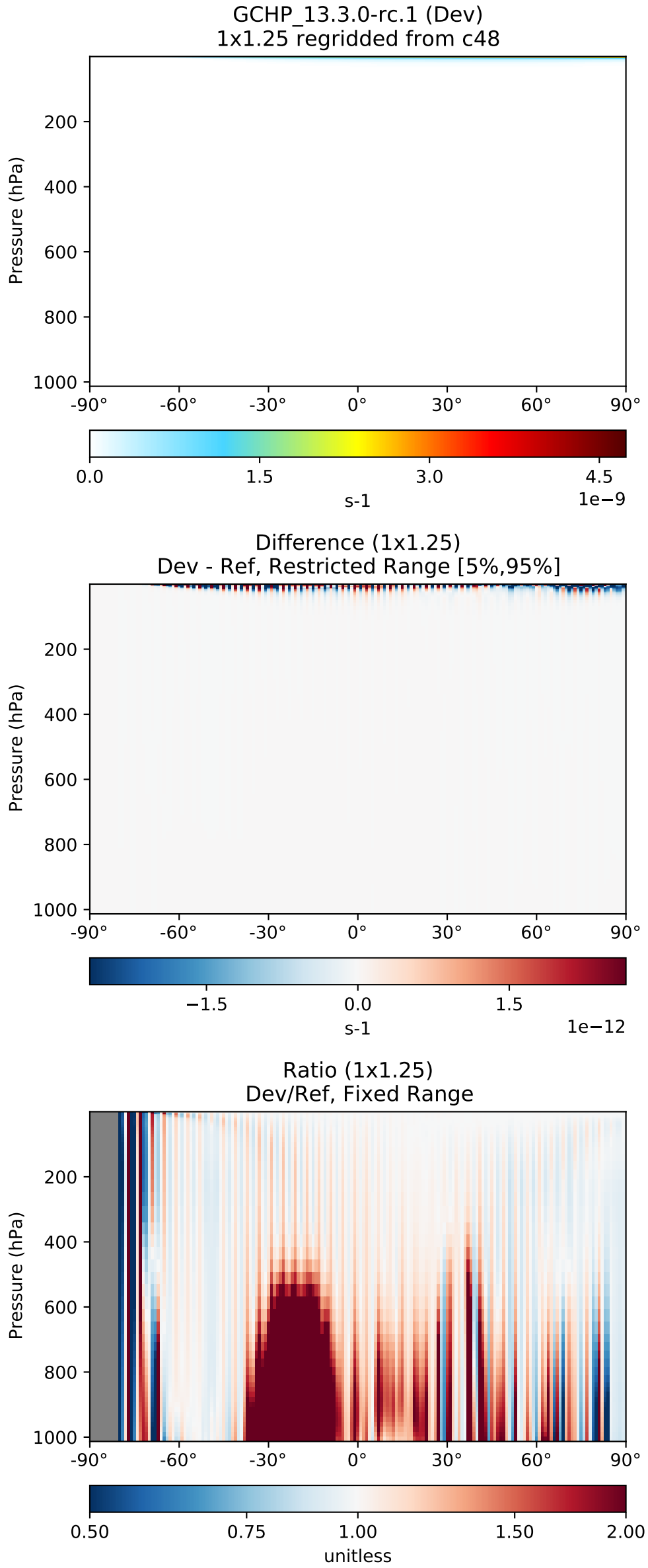


Ratio (1x1.25)
Dev/Ref, Fixed Range

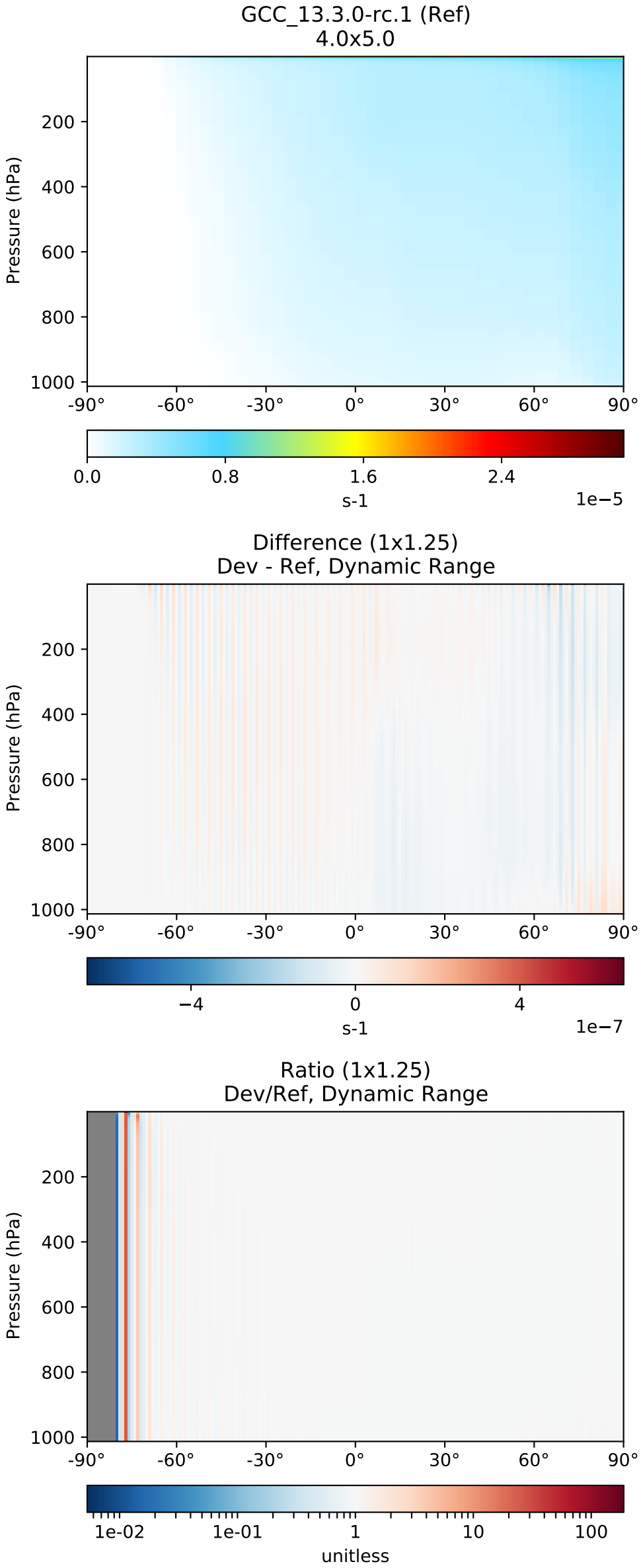


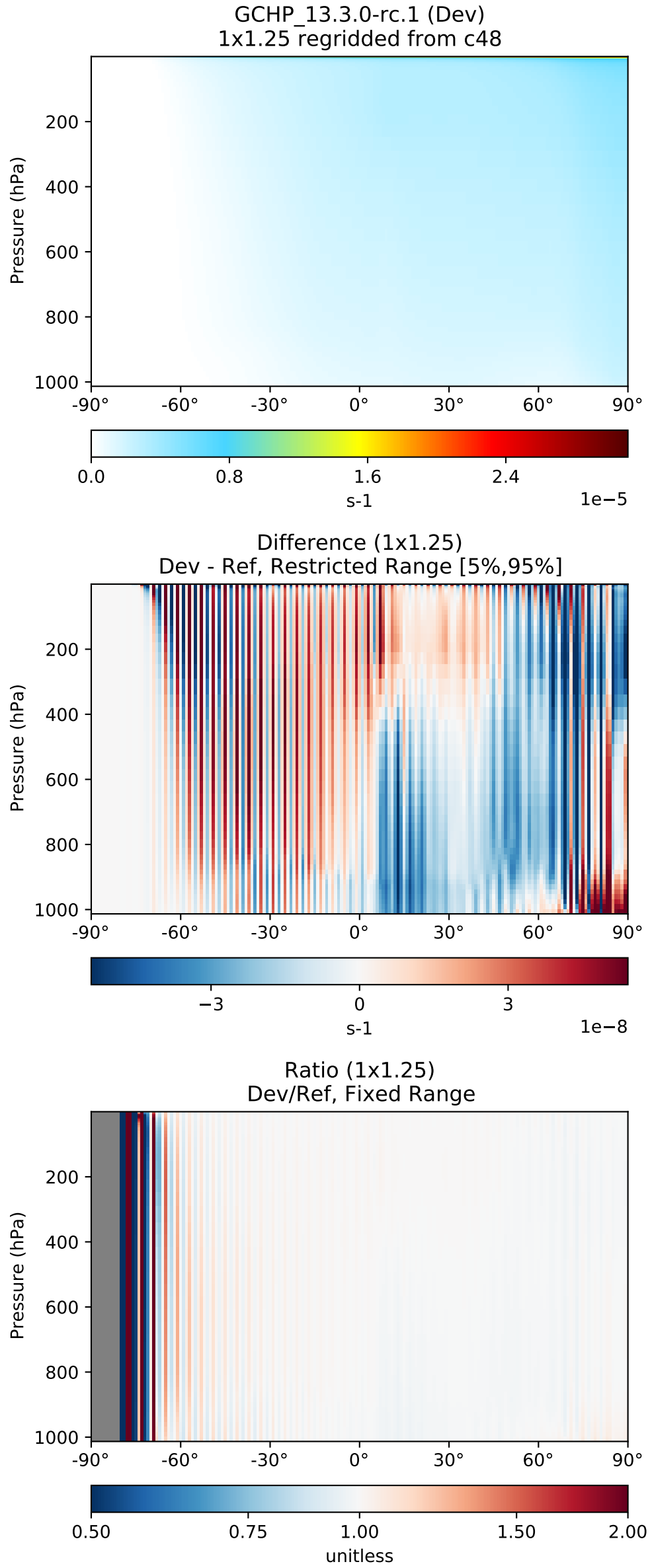
Jval_HCFC22, Zonal Mean



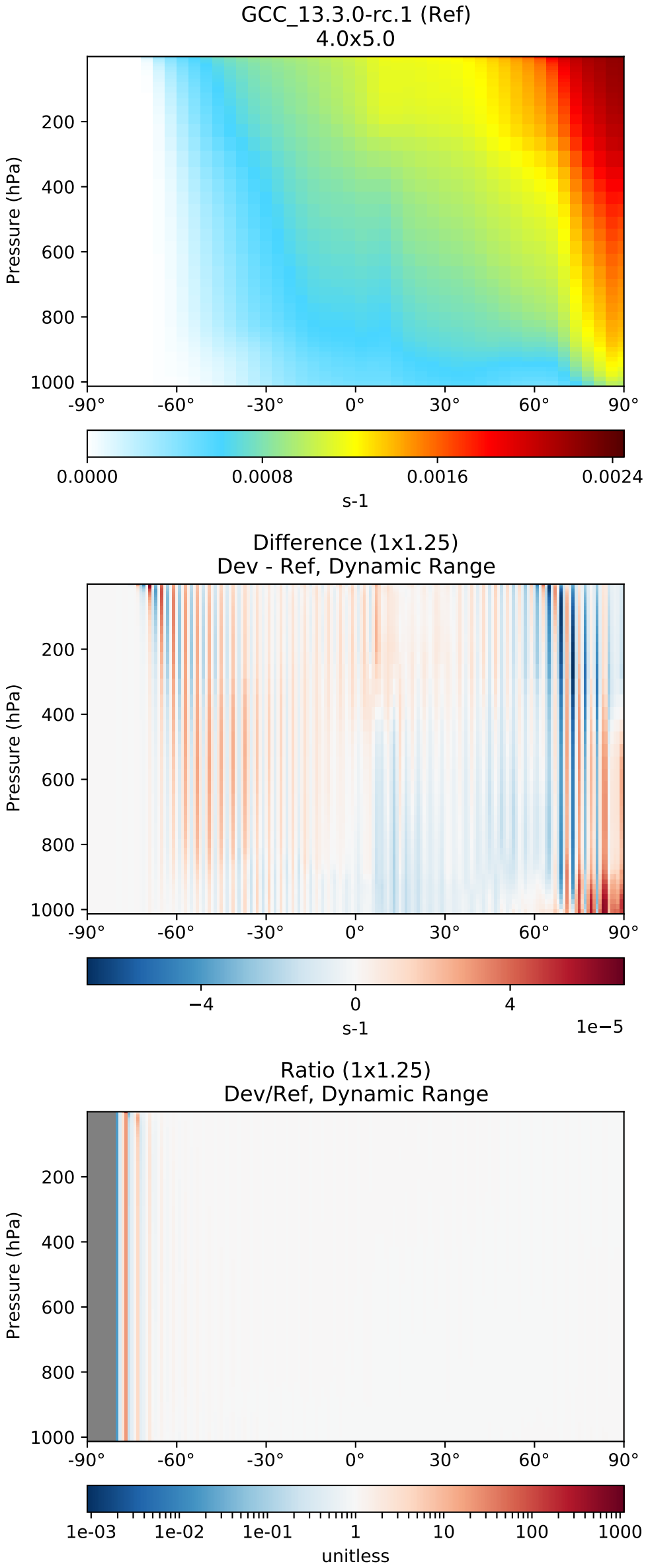


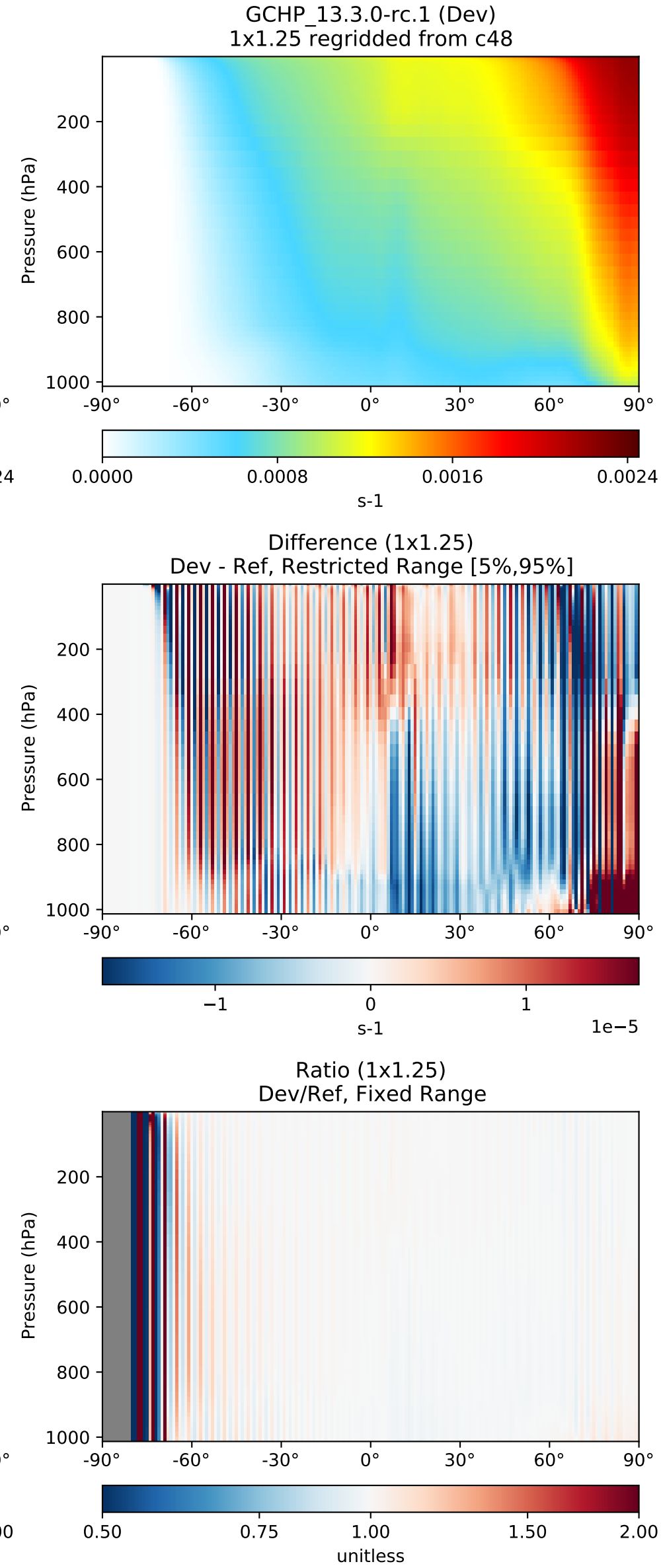
Jval_HMHP, Zonal Mean



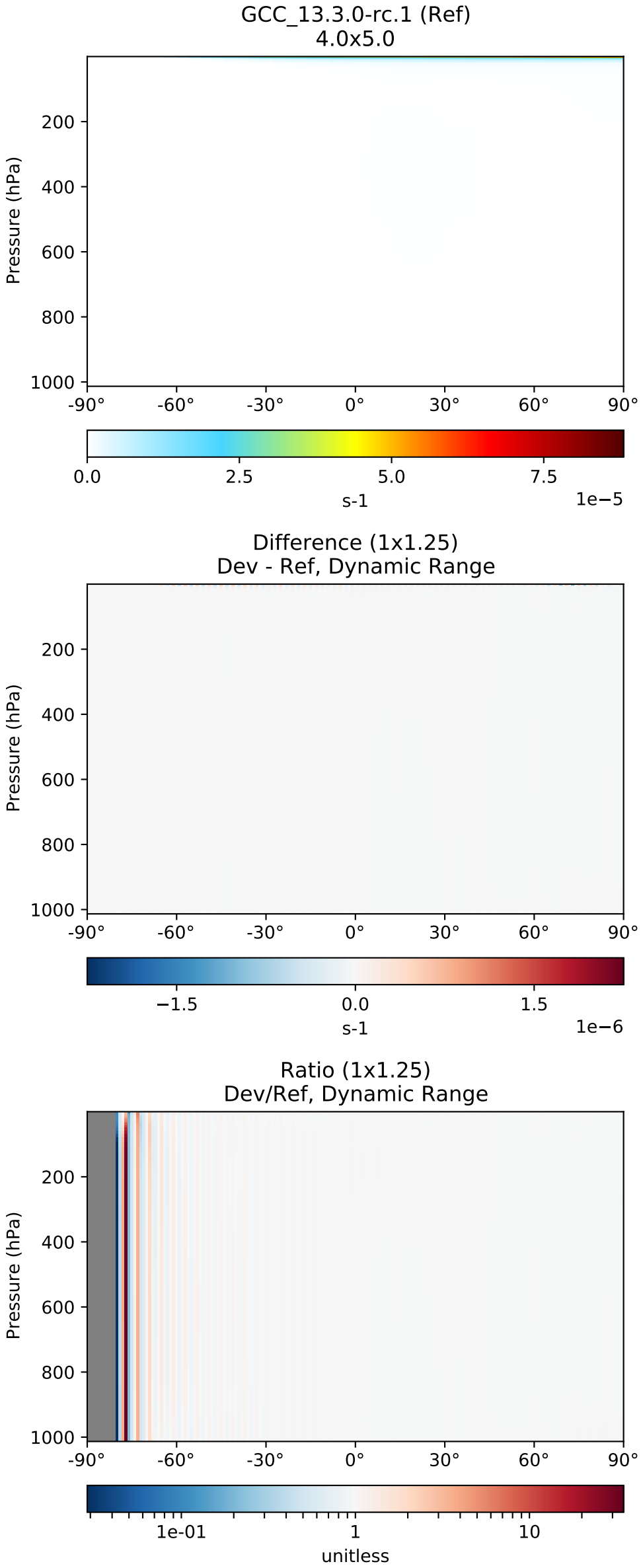


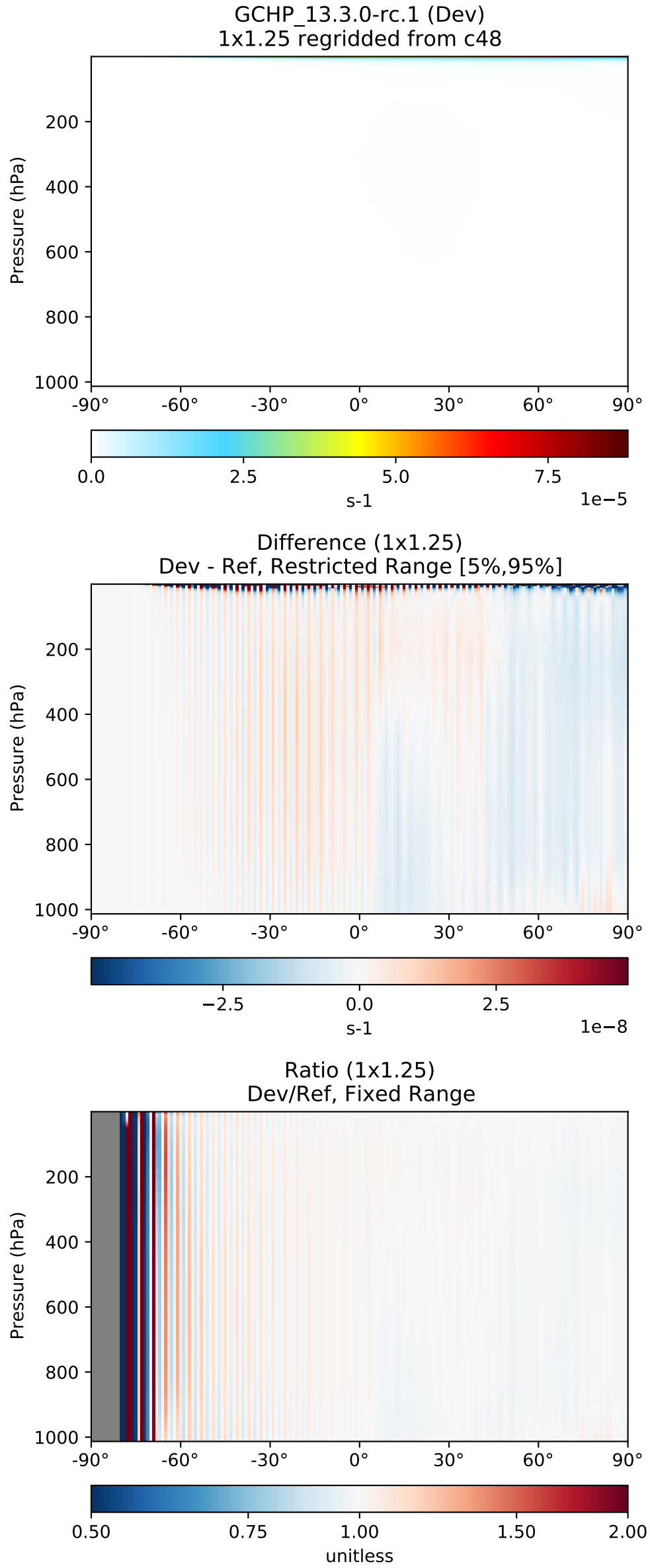
Jval_HNO2, Zonal Mean



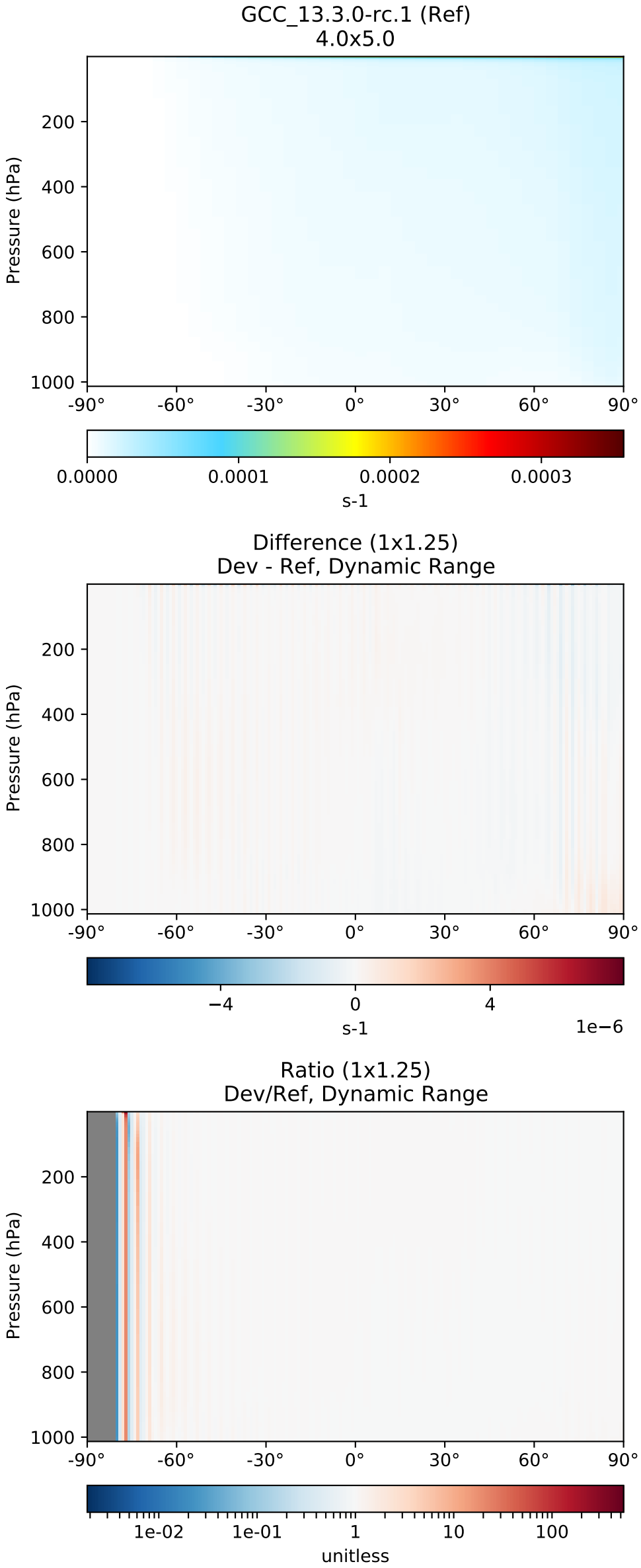


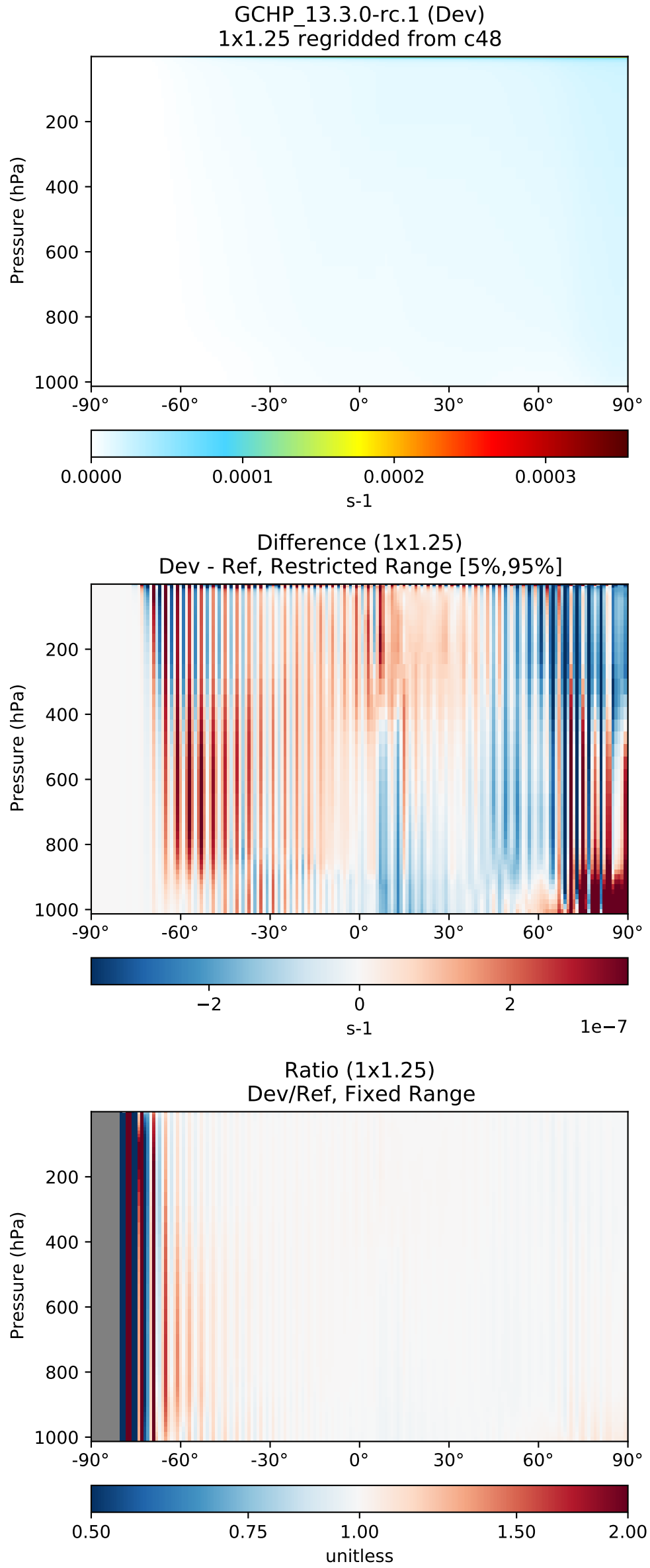
Jval_HNO3, Zonal Mean



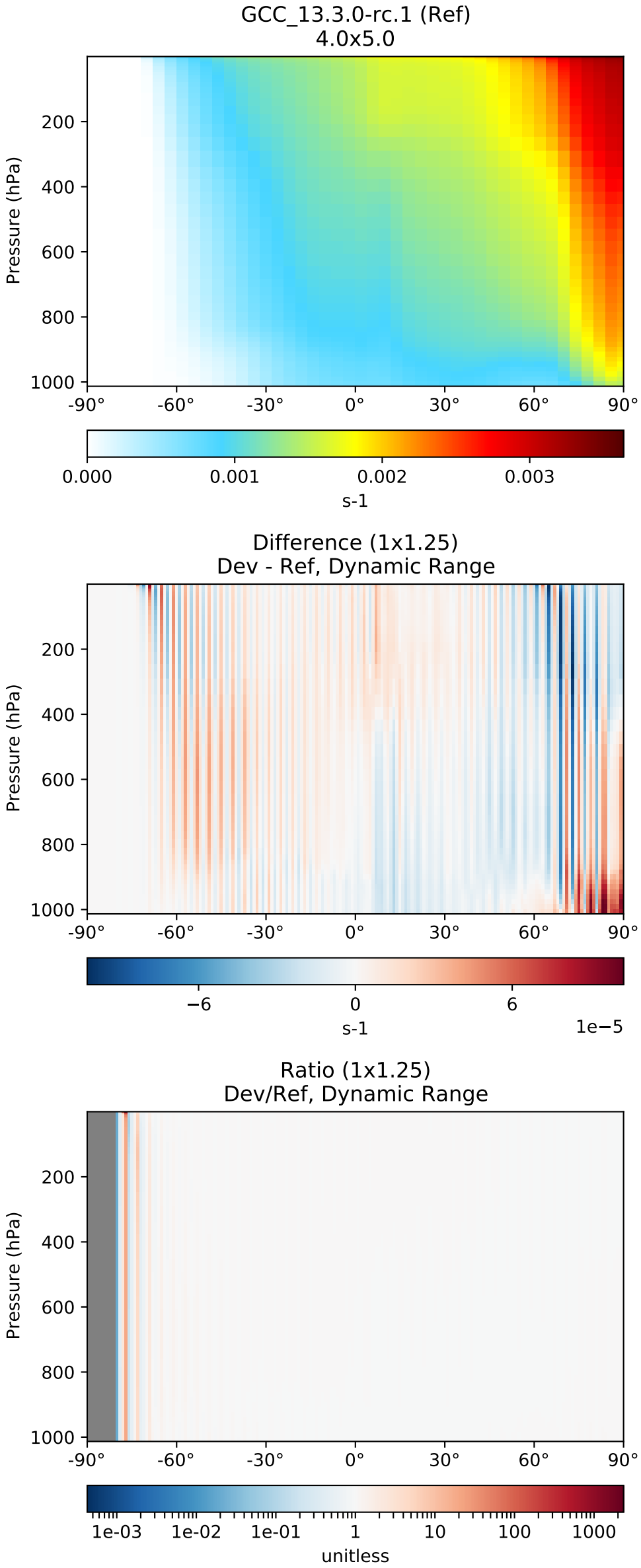


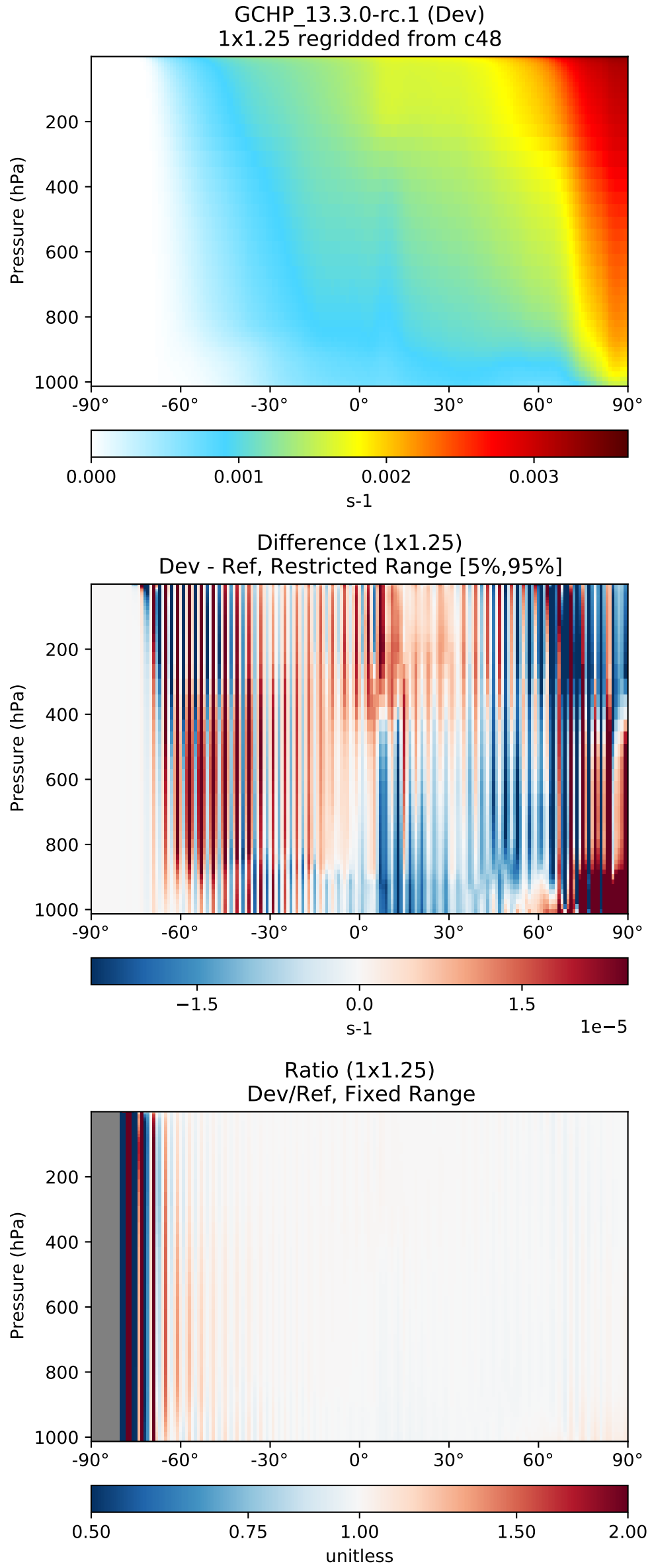
Jval_HNO4, Zonal Mean



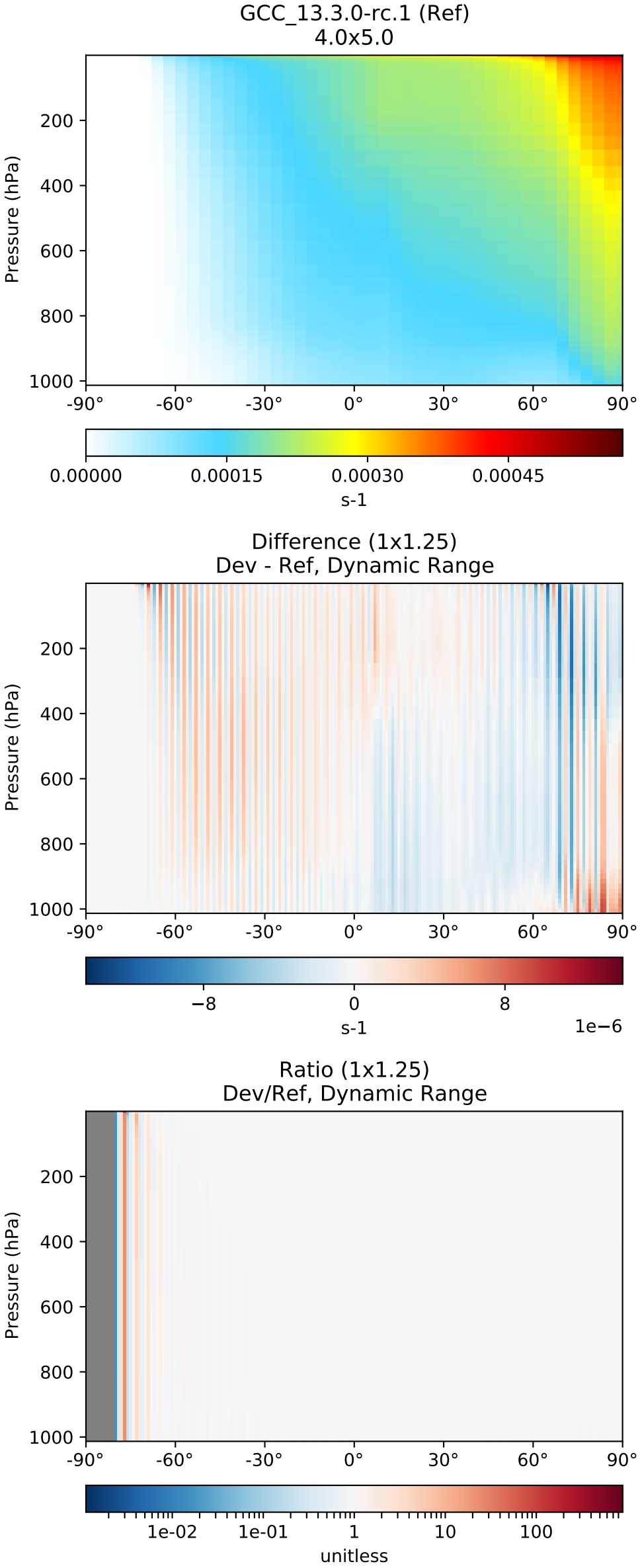


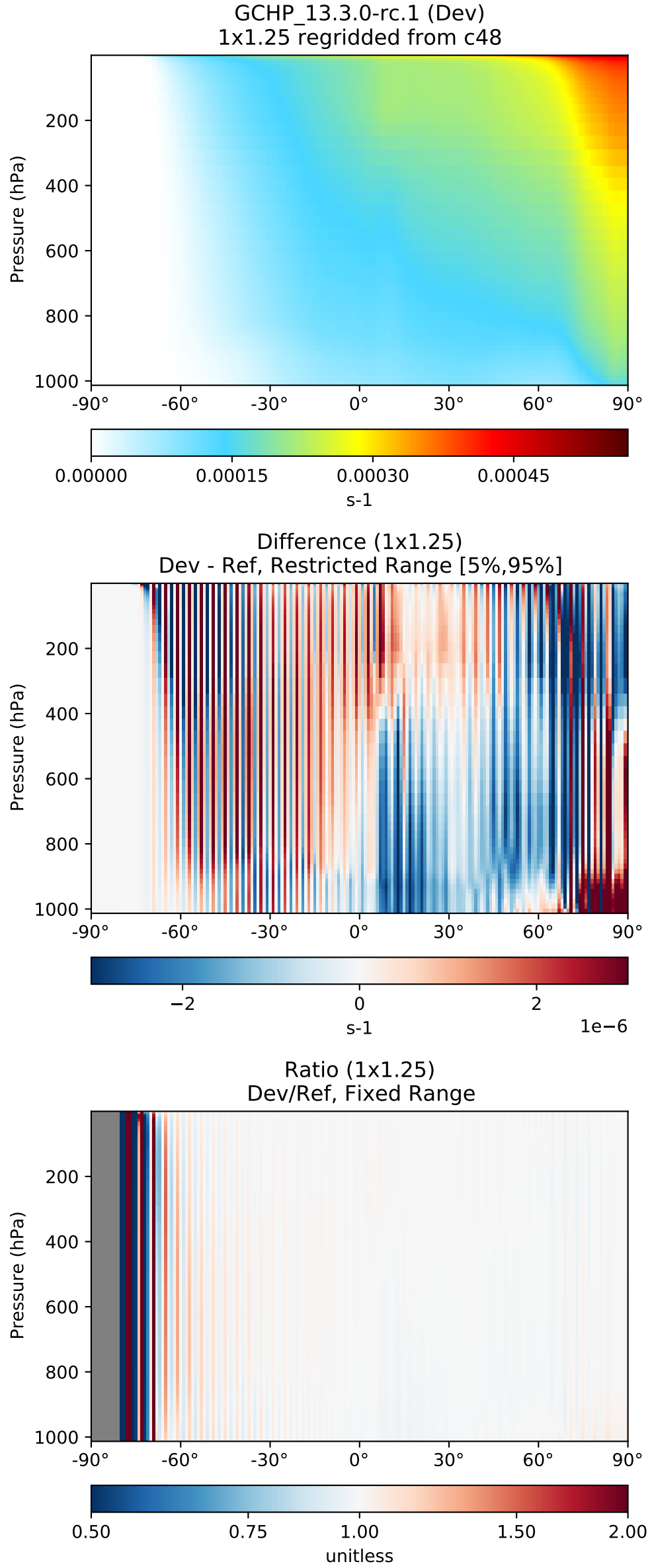
Jval_HOBr, Zonal Mean



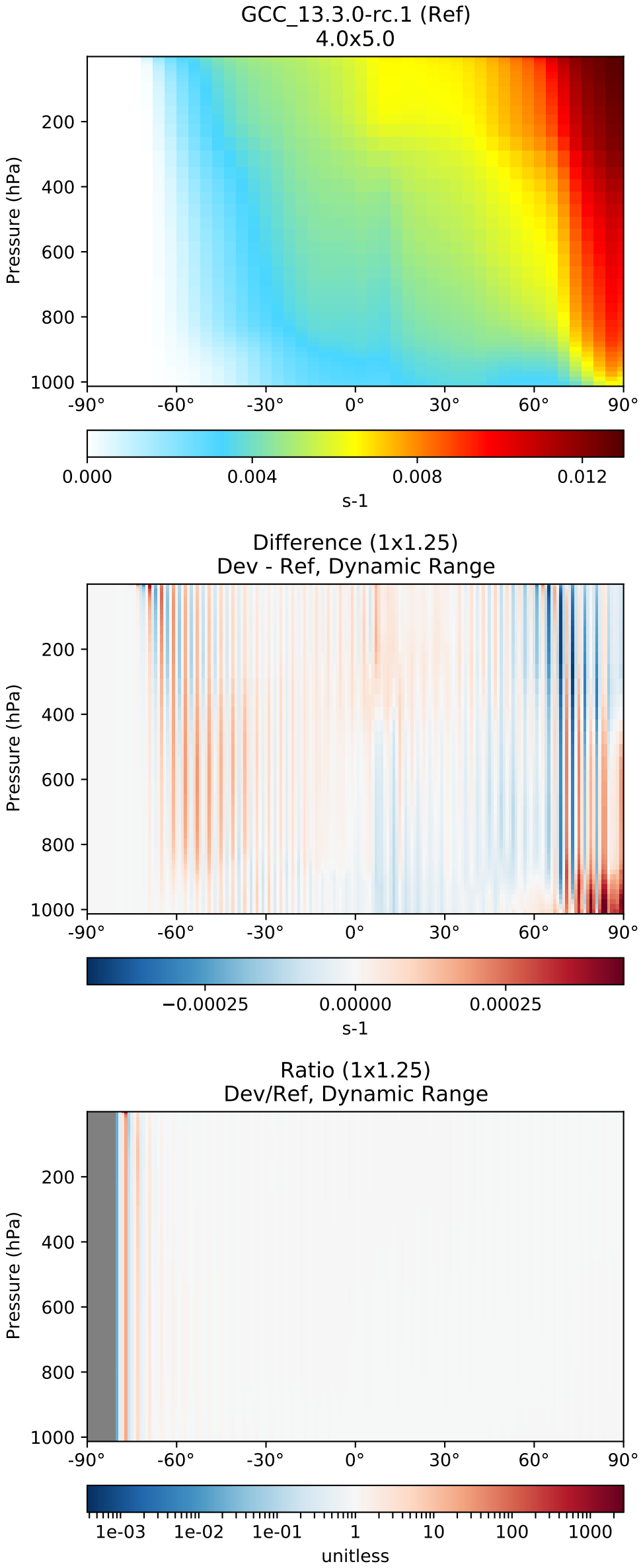


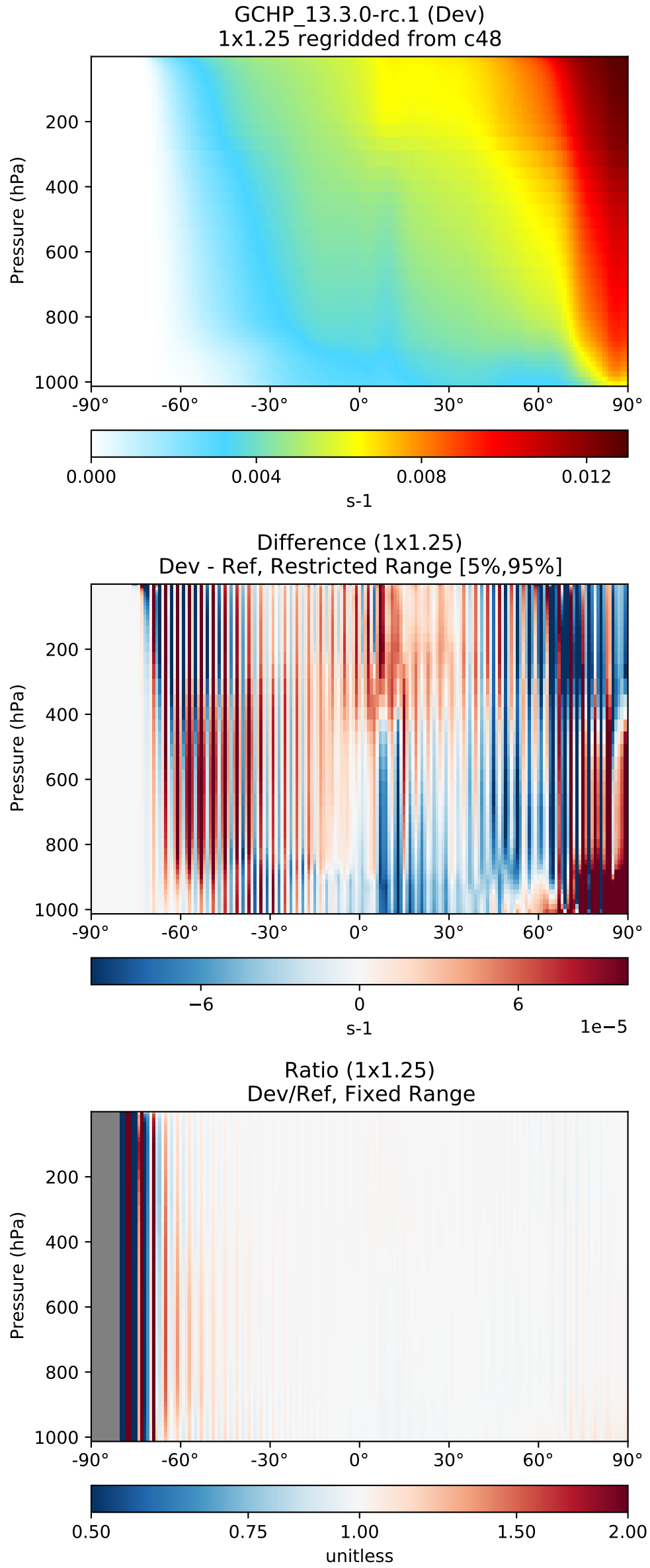
Jval_HOCl, Zonal Mean



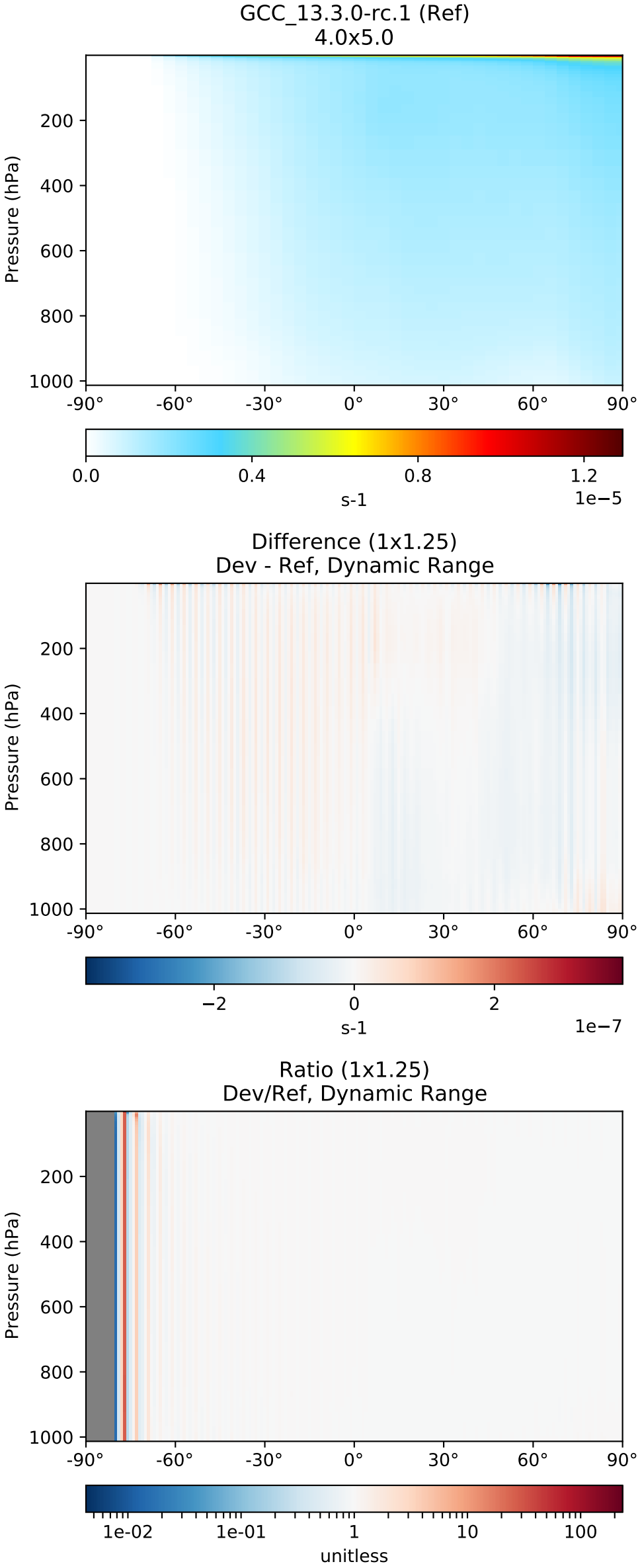


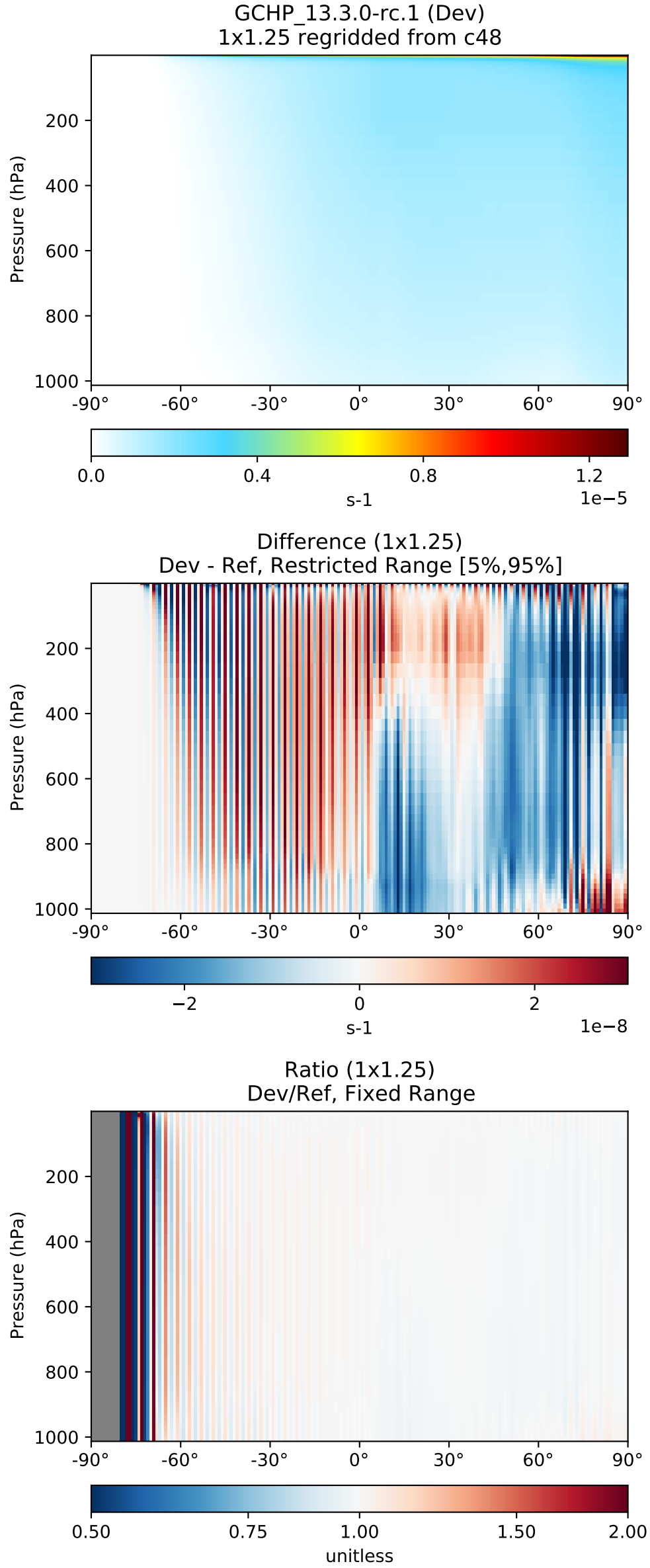
Jval_HOI, Zonal Mean



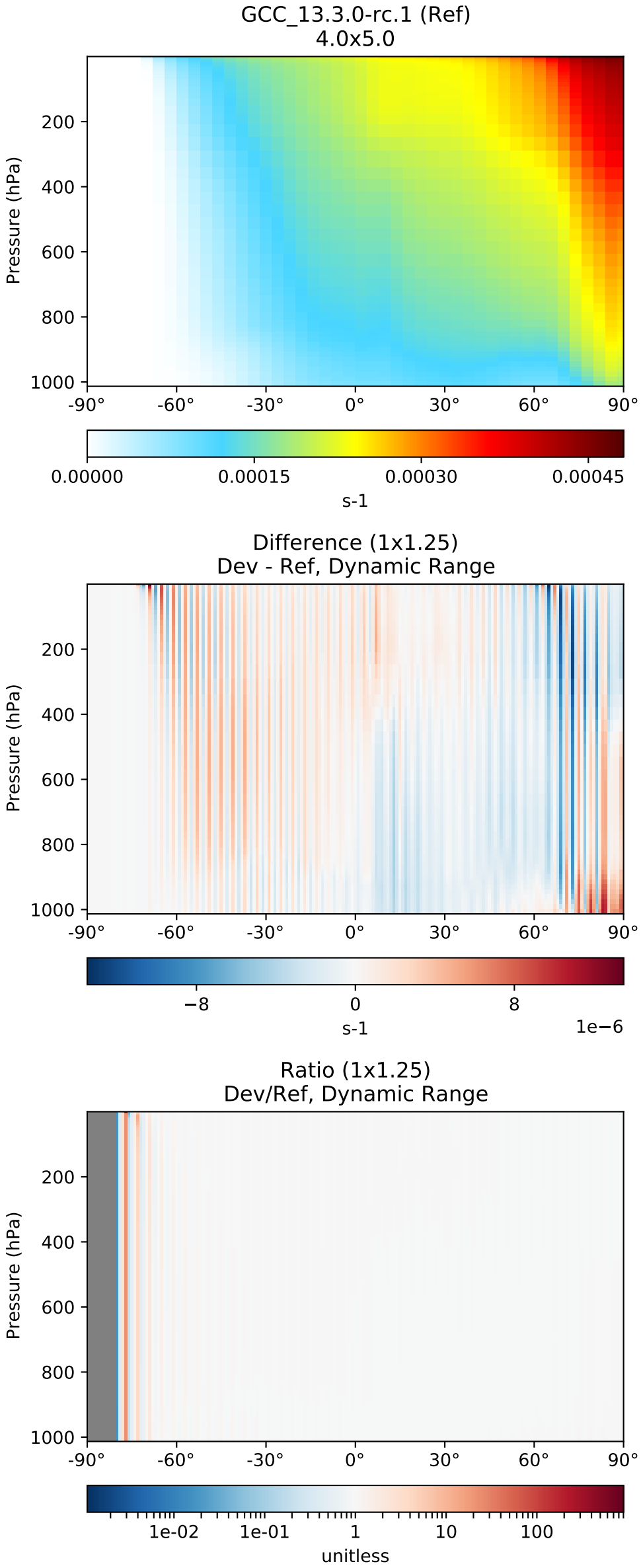


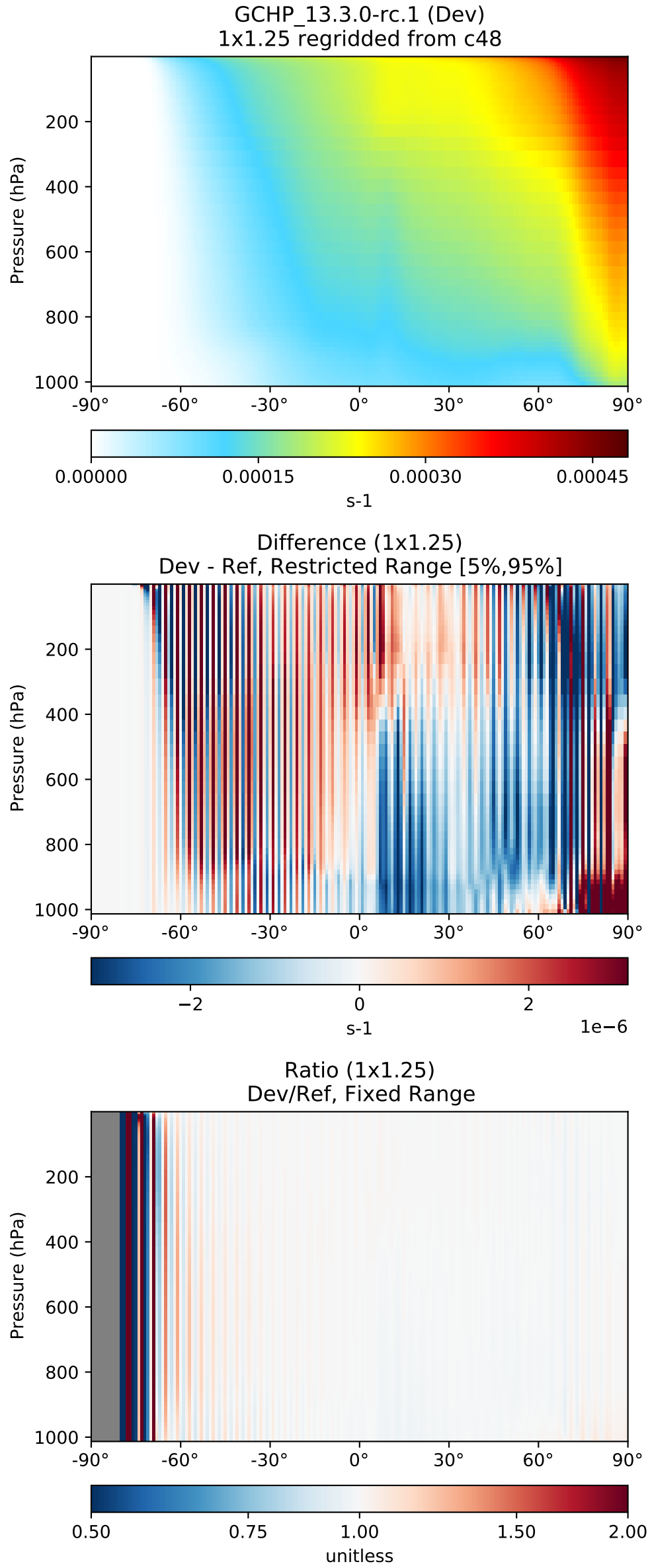
Jval_HONIT, Zonal Mean



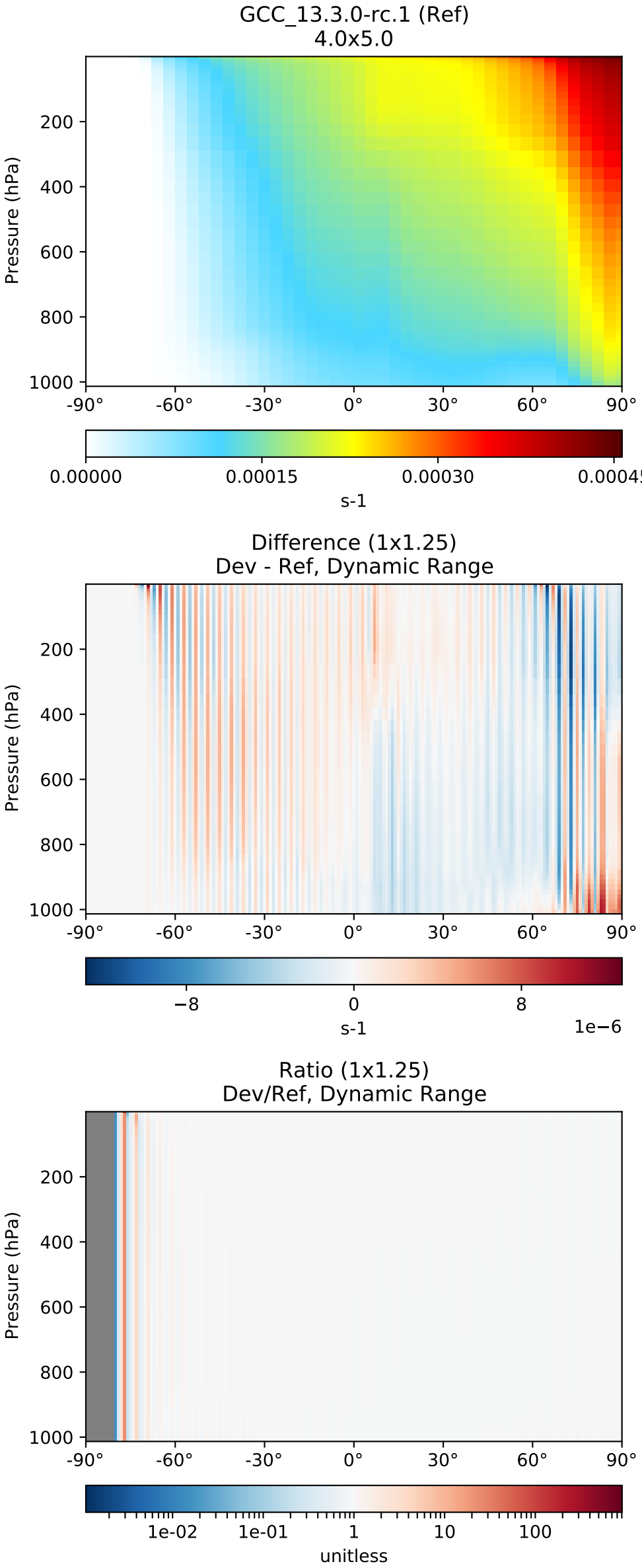


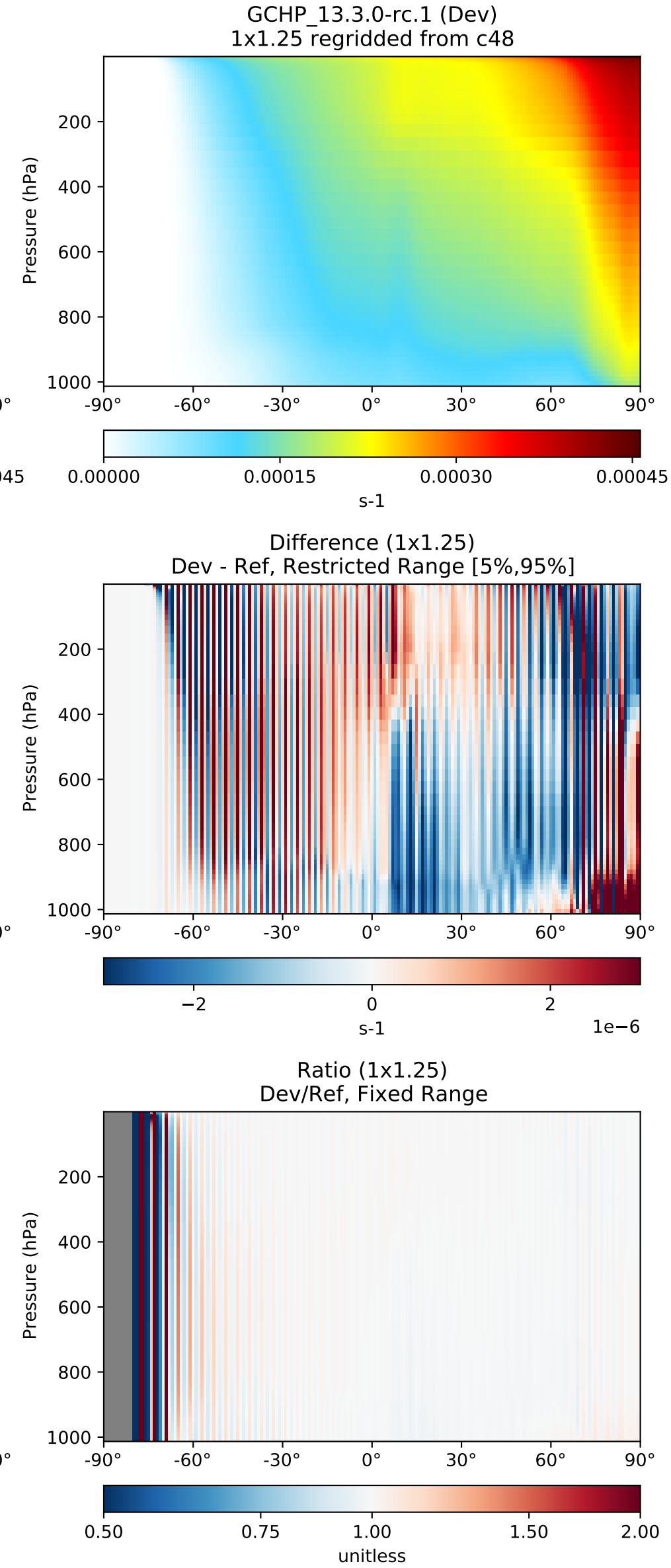
Jval_HPALD1, Zonal Mean



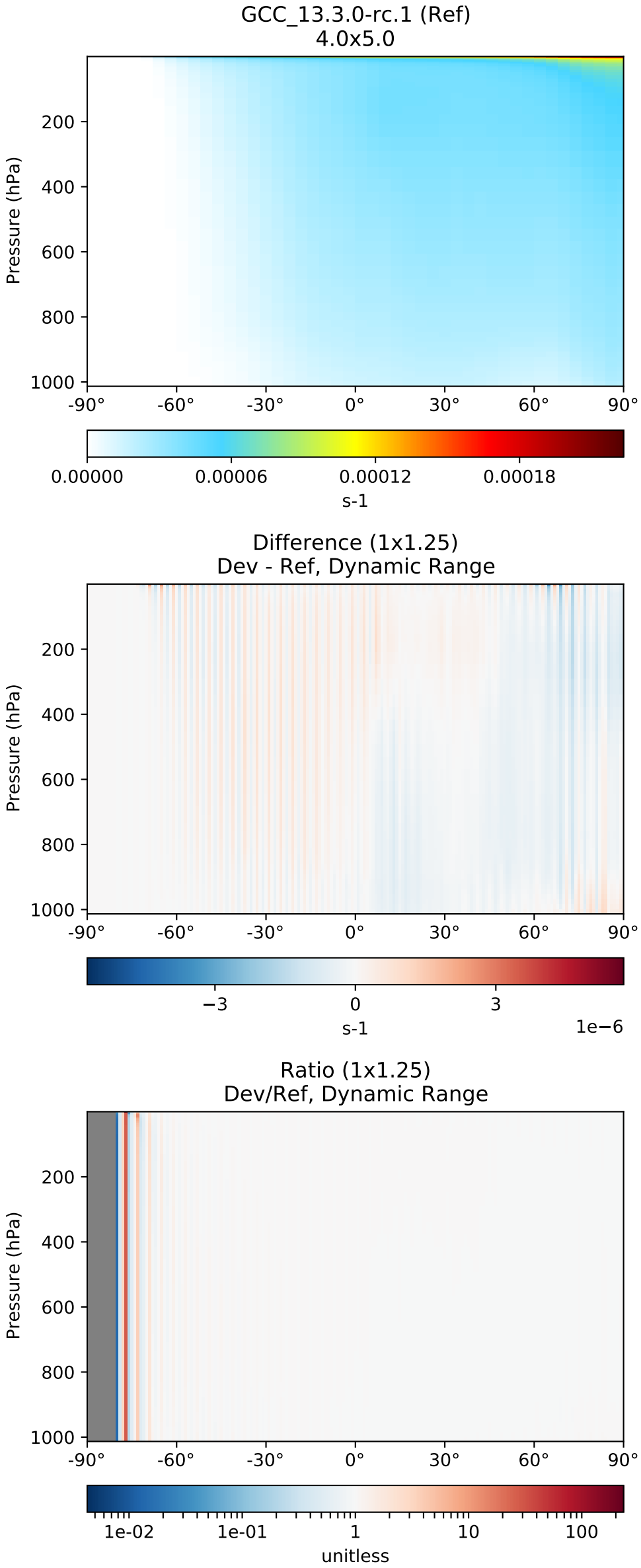


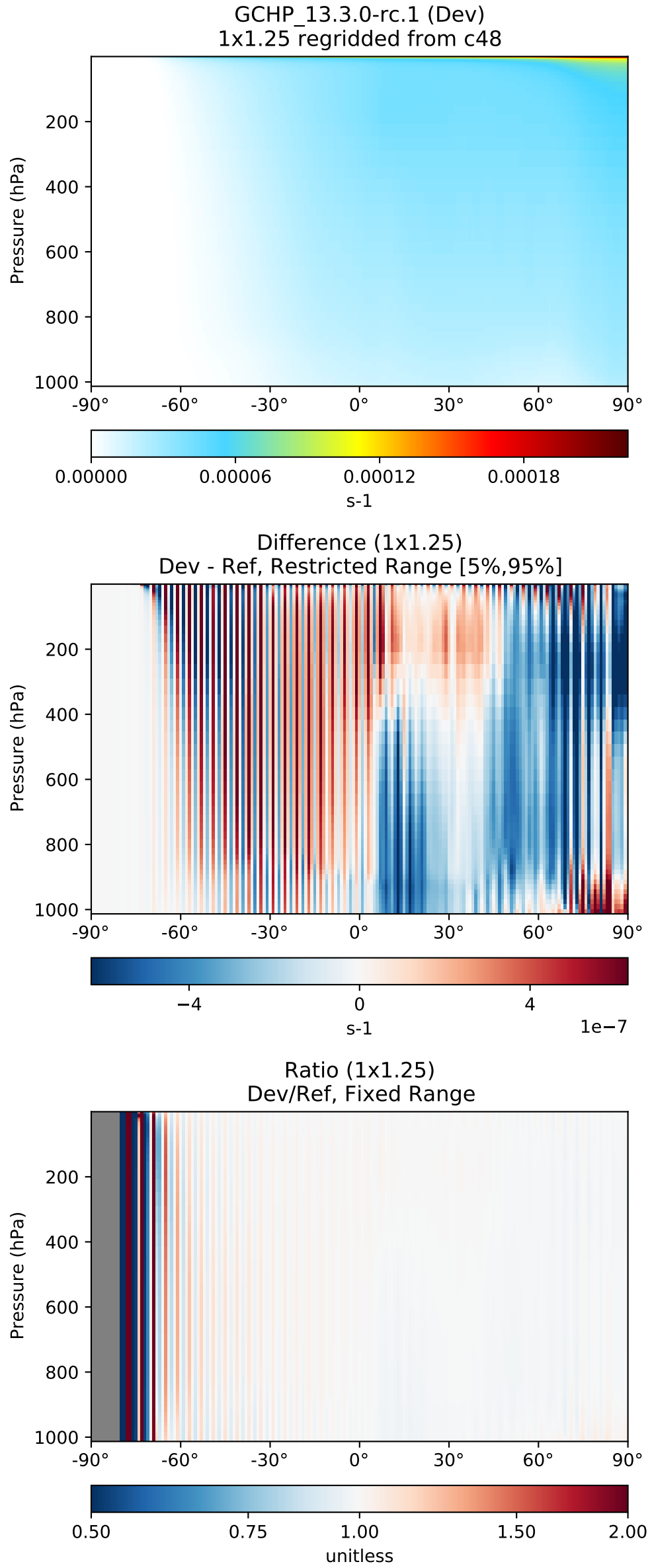
Jval_HPALD2, Zonal Mean



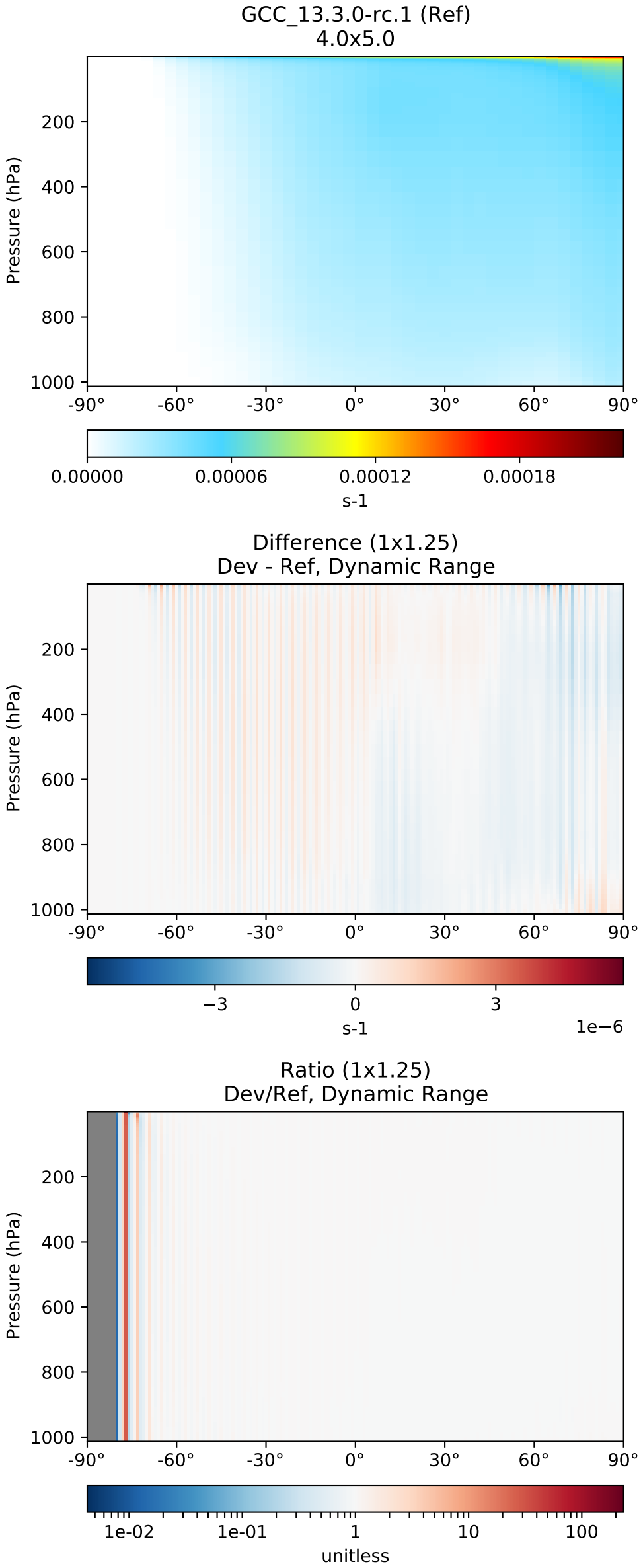


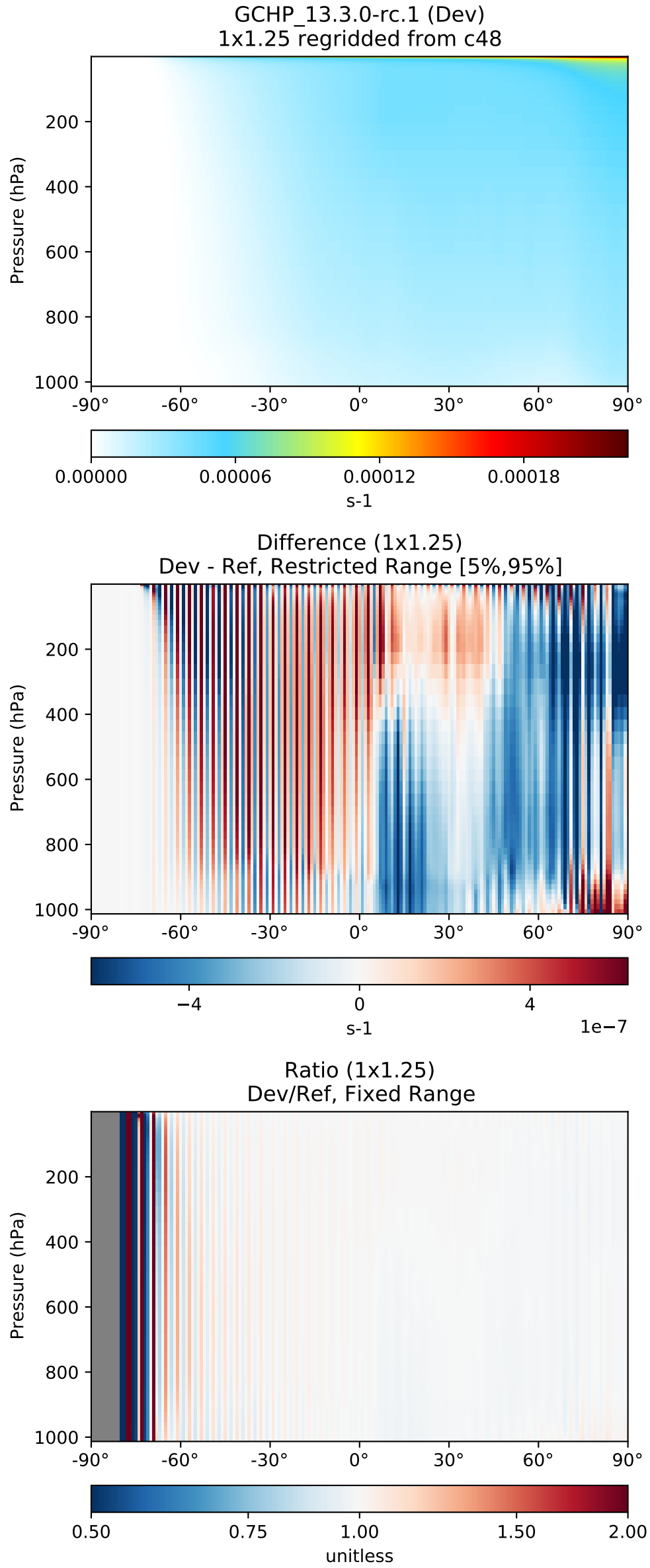
Jval_HPALD3, Zonal Mean



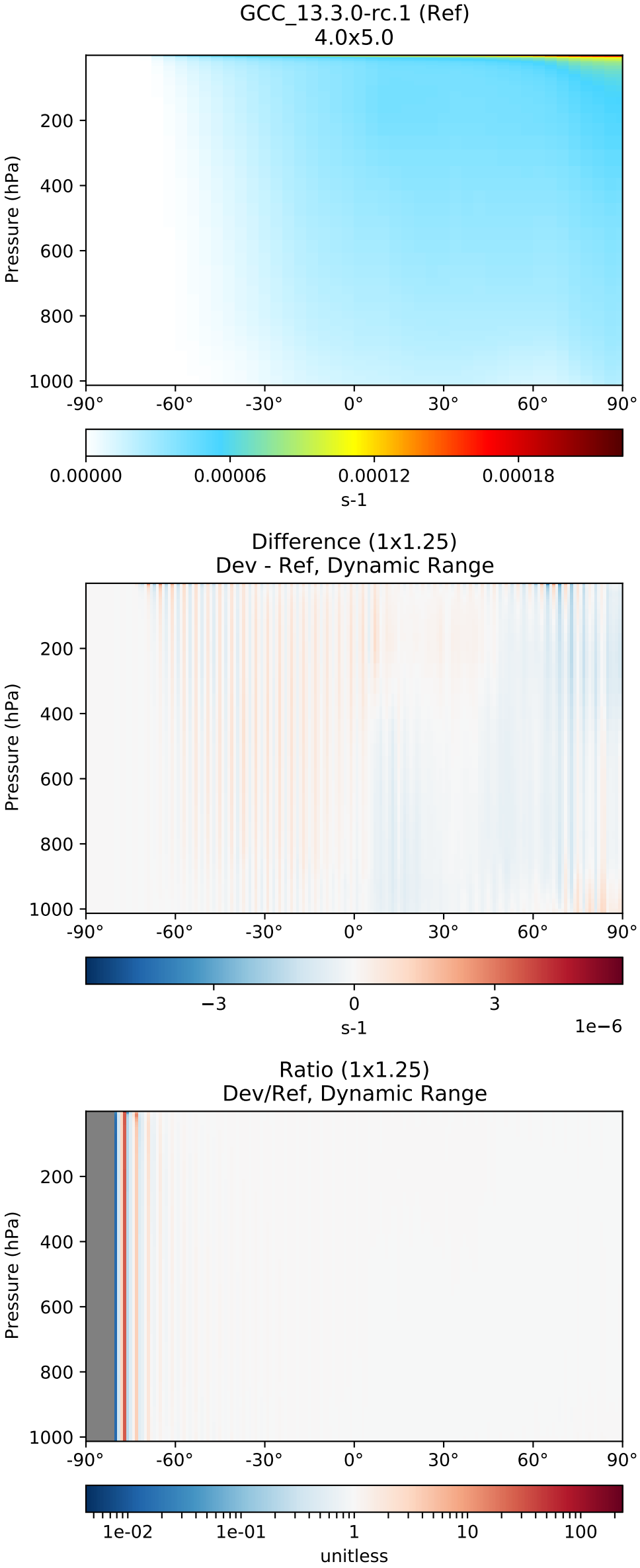


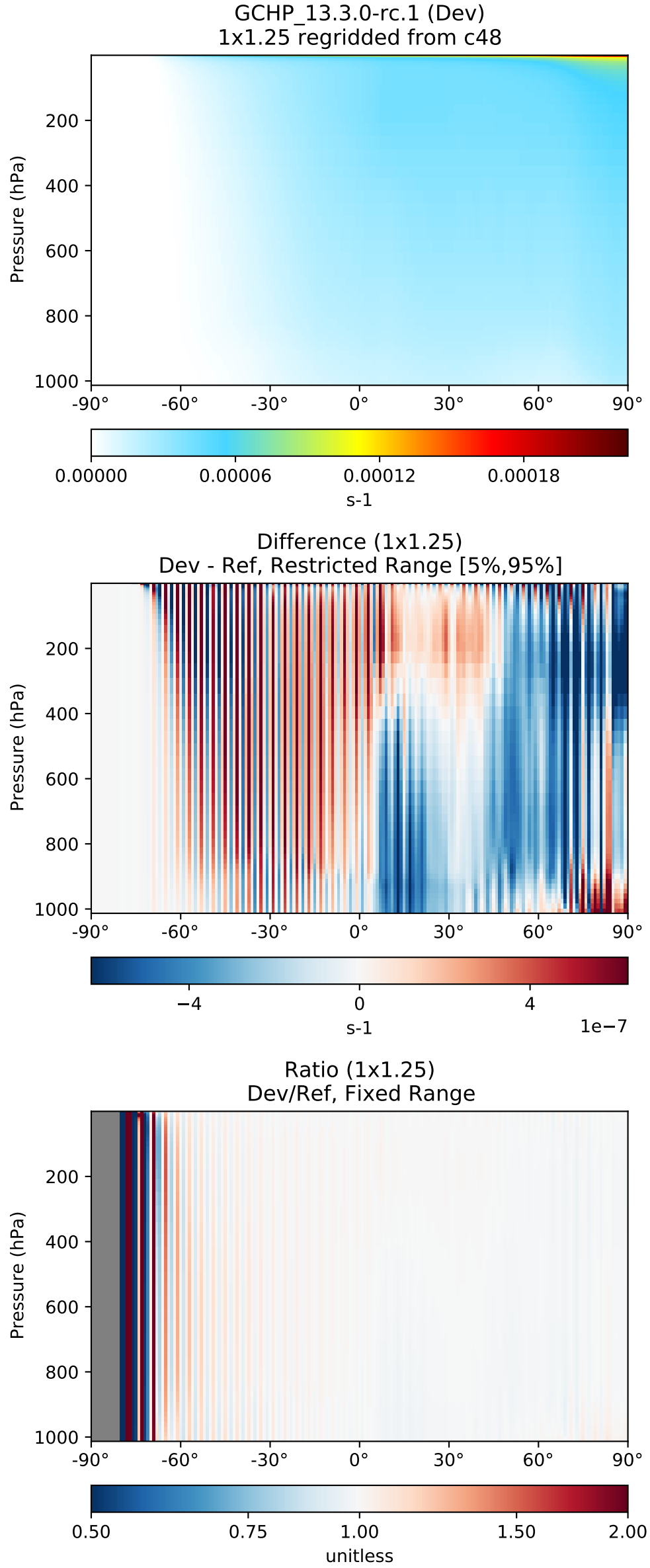
Jval_HPALD4, Zonal Mean



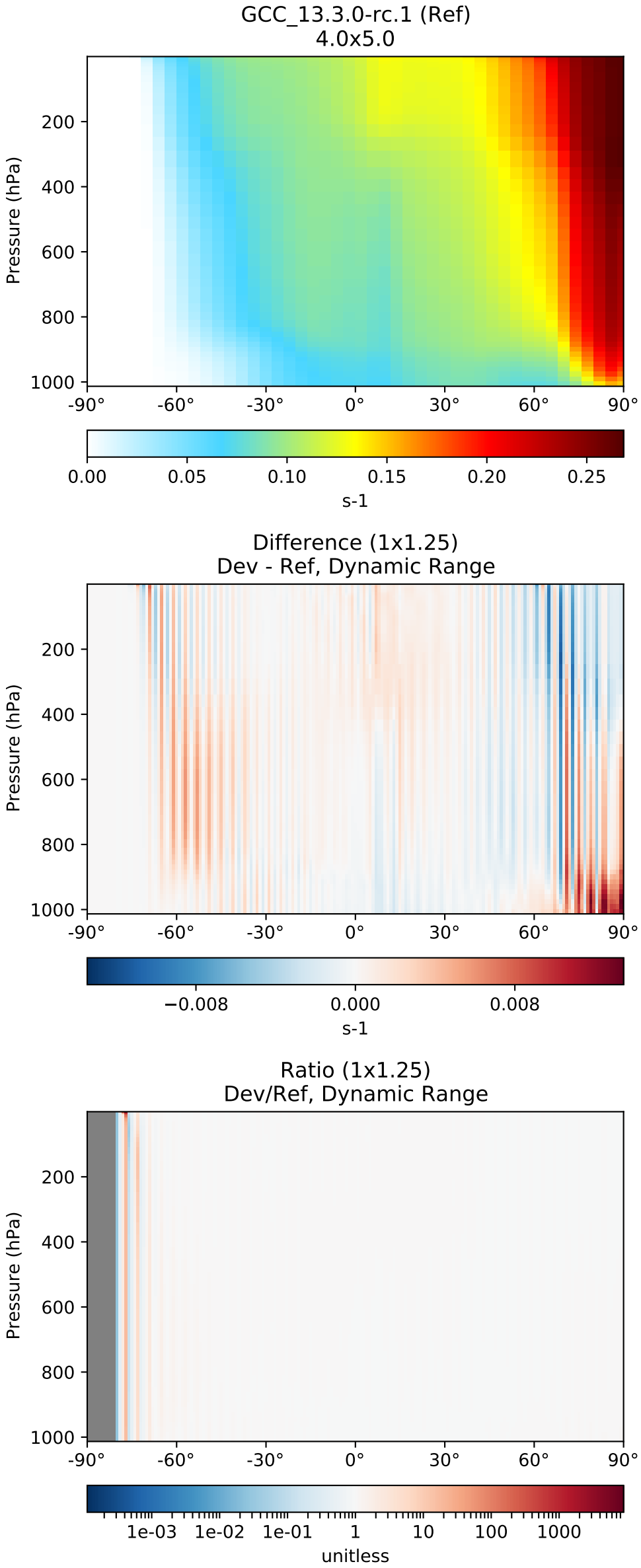


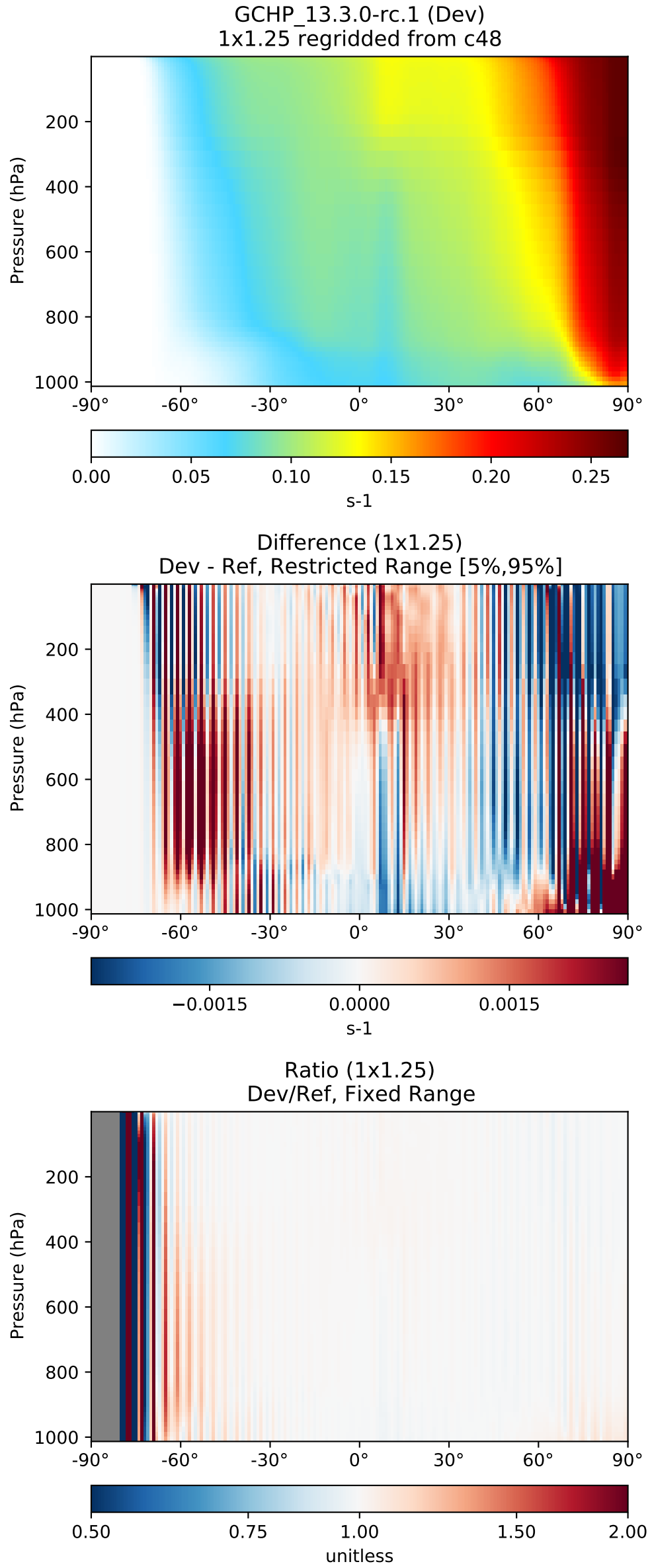
Jval_HPETHNL, Zonal Mean



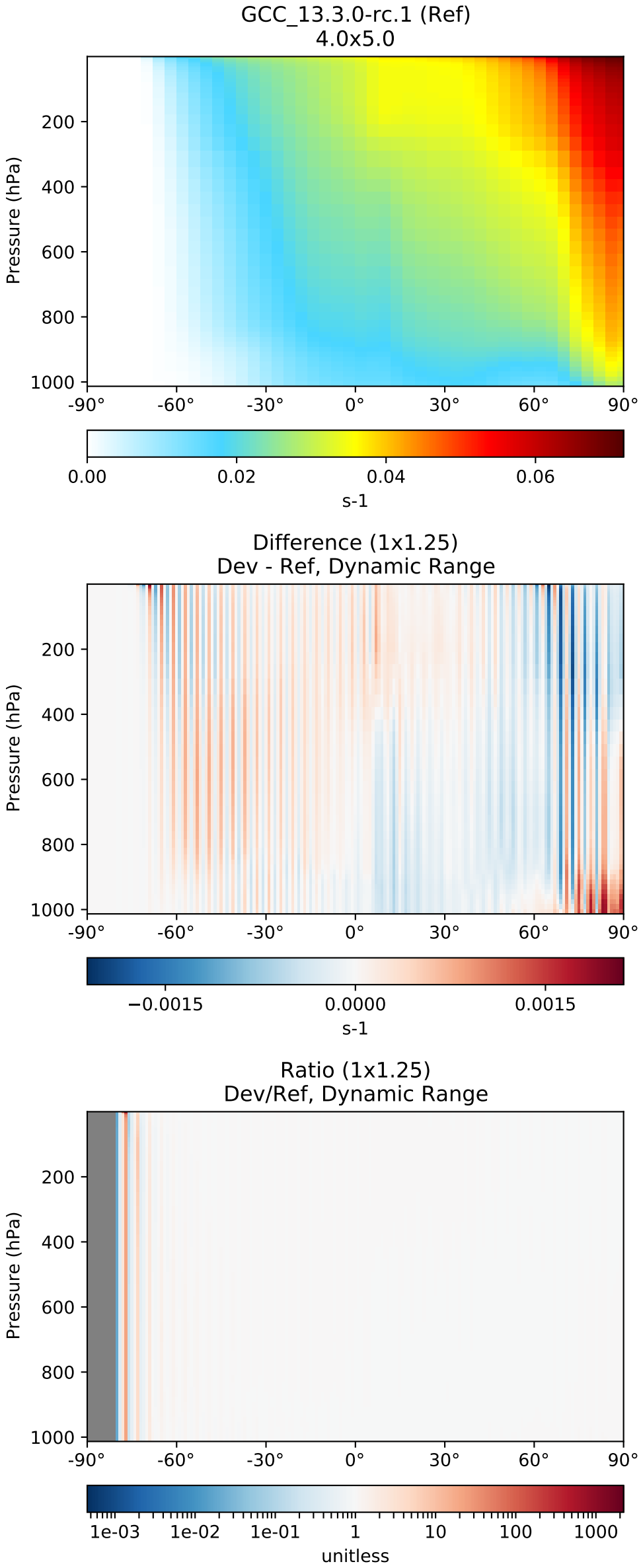


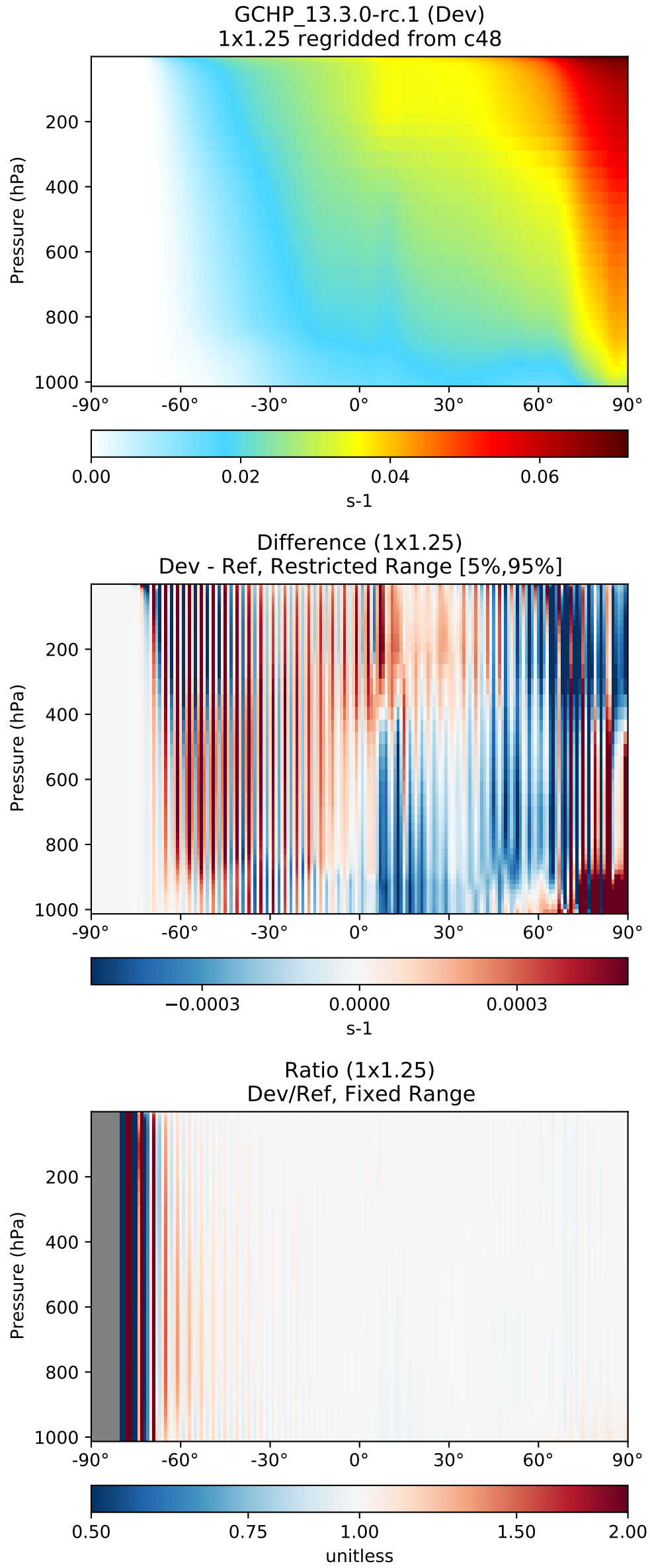
Jval_I2, Zonal Mean



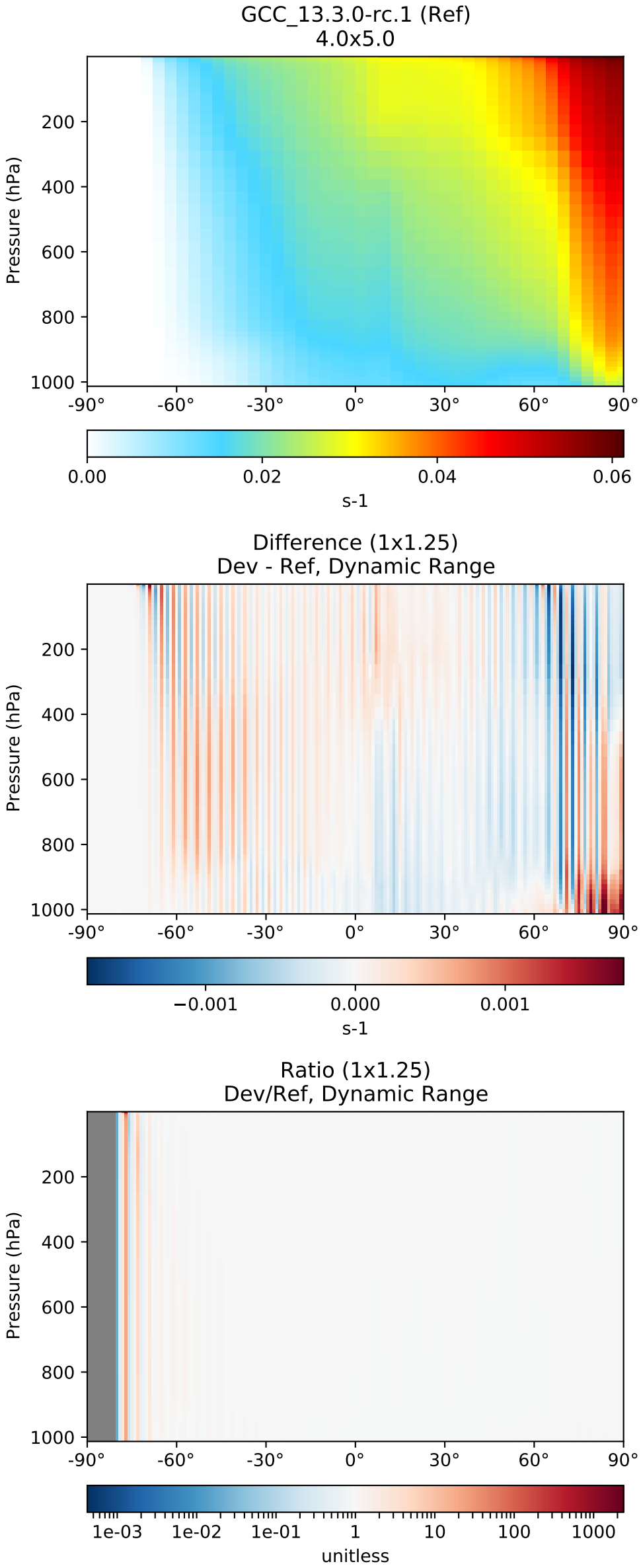


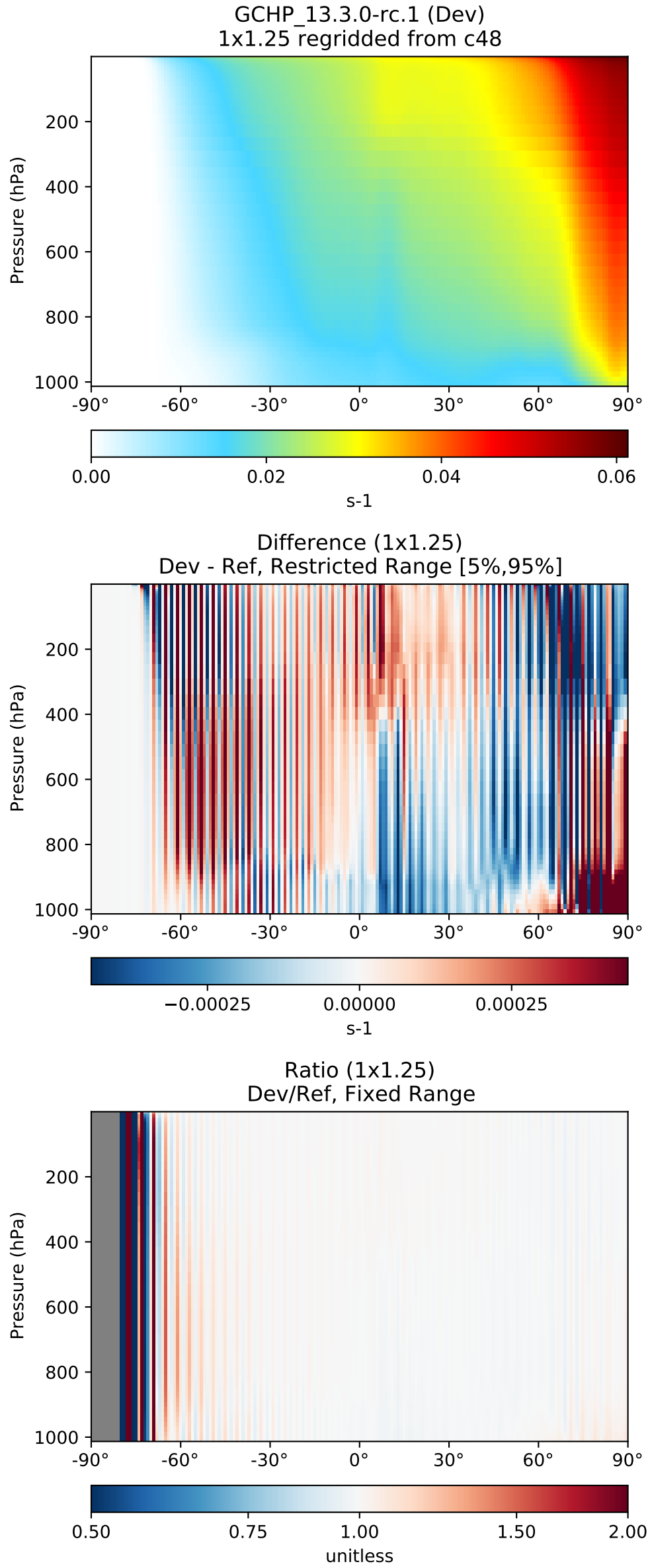
Jval_I2O2, Zonal Mean



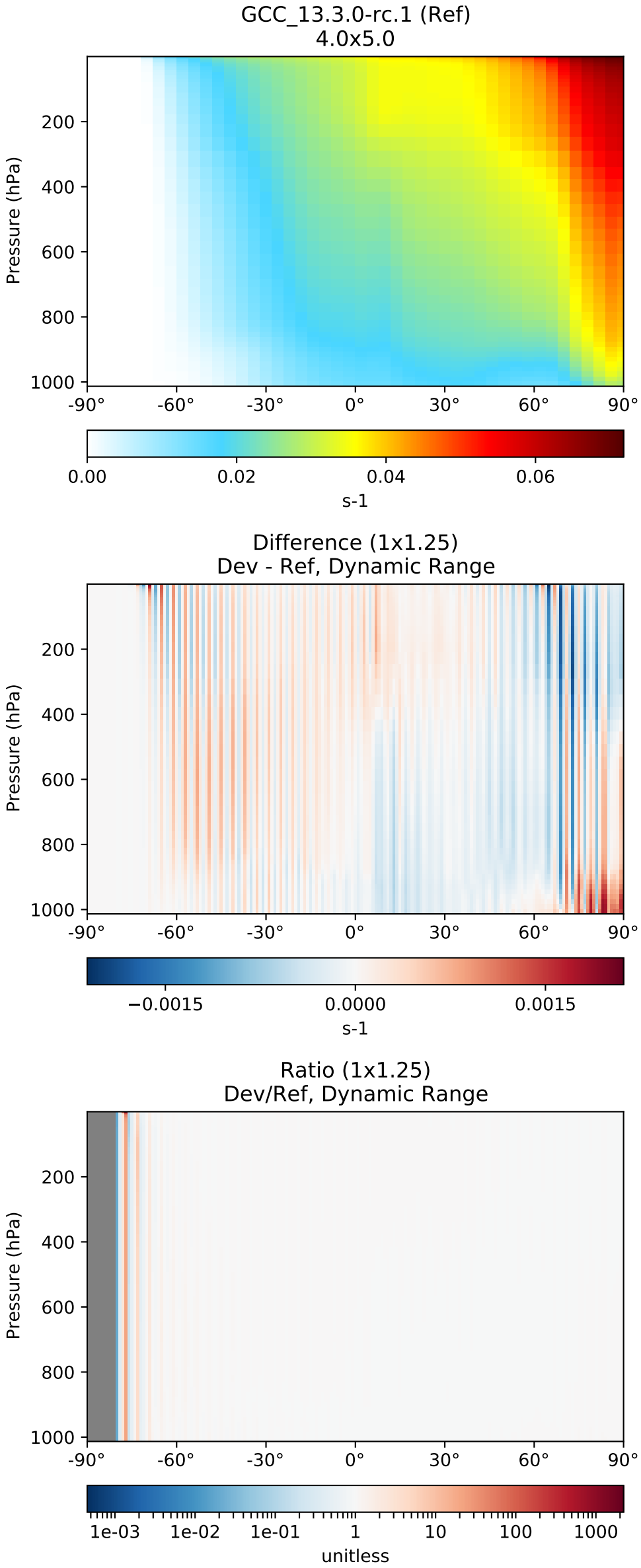


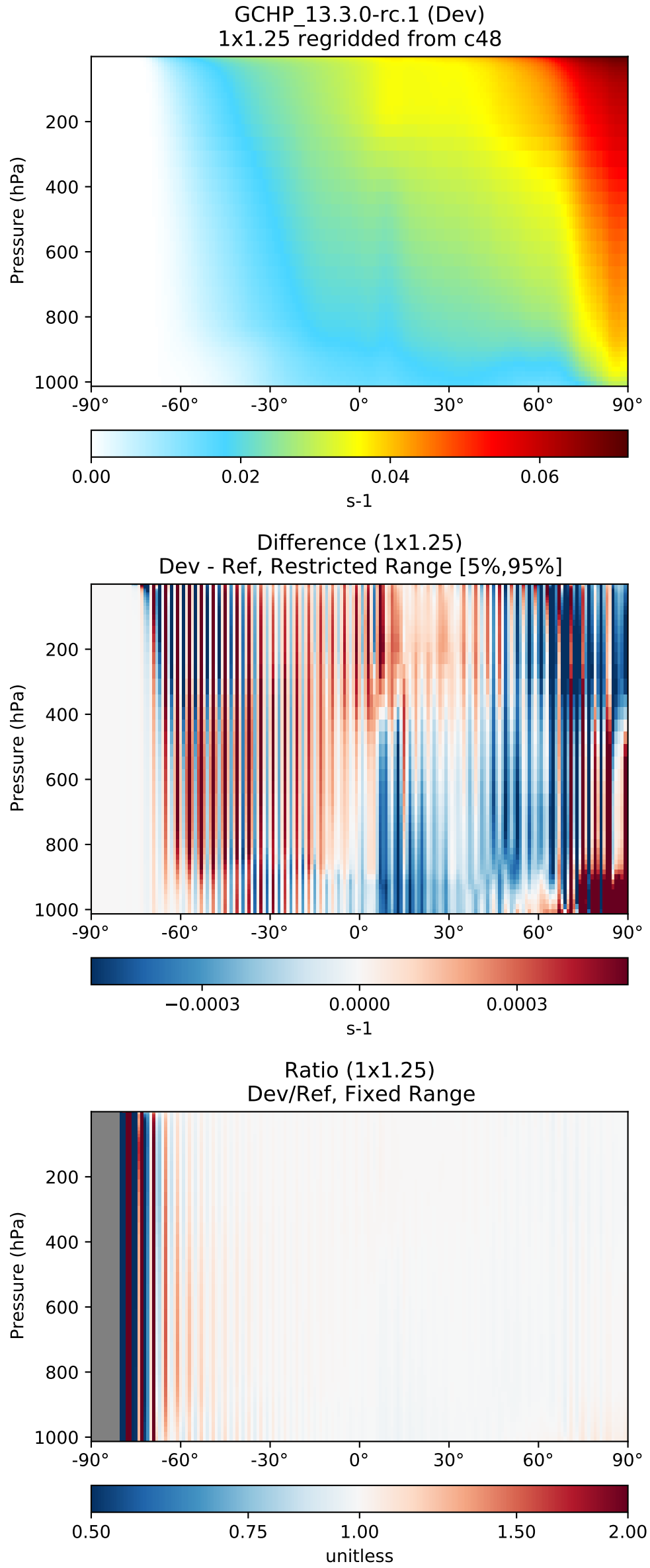
Jval_I2O3, Zonal Mean



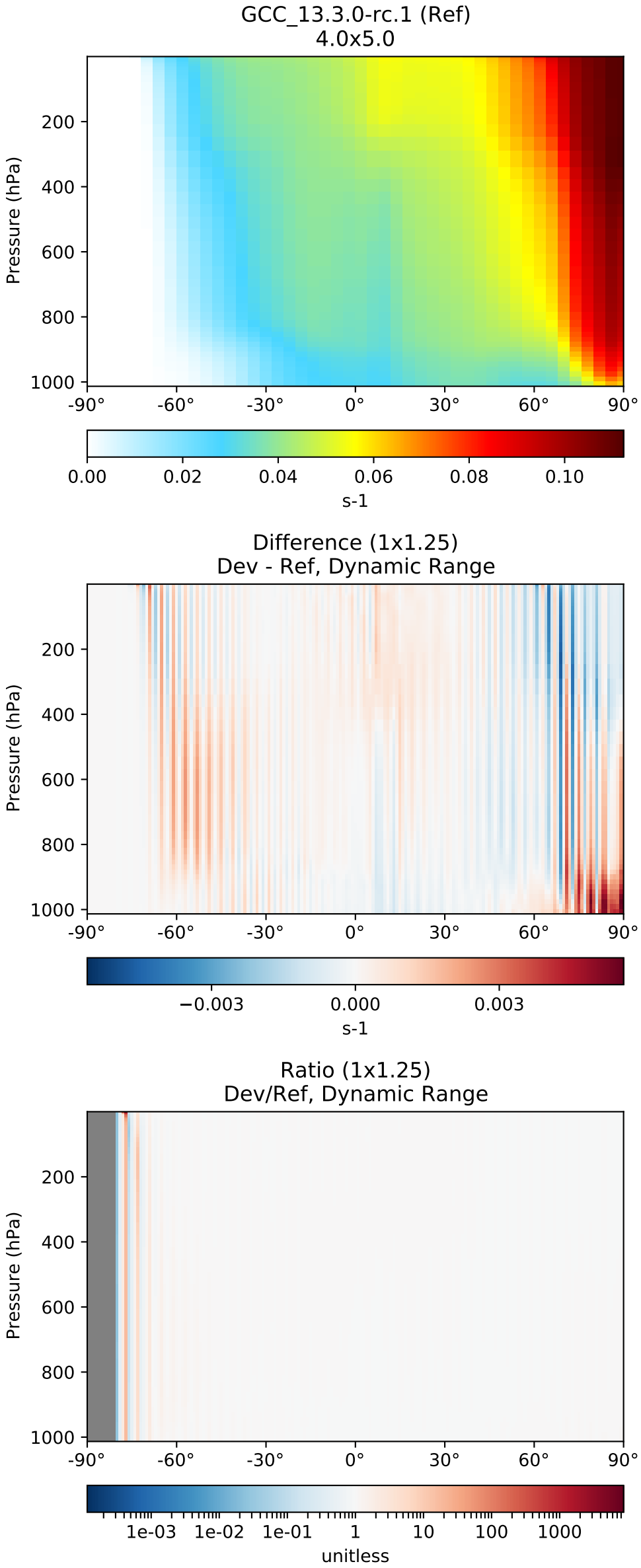


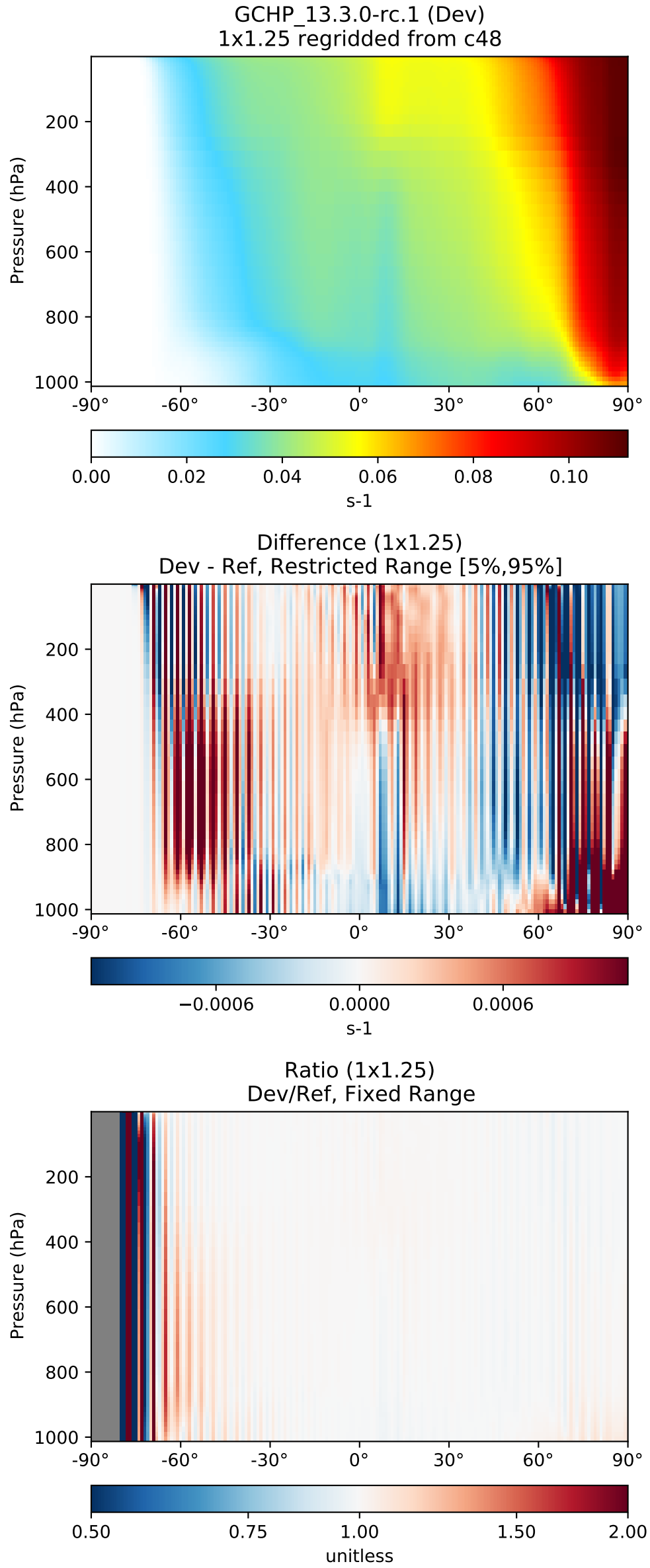
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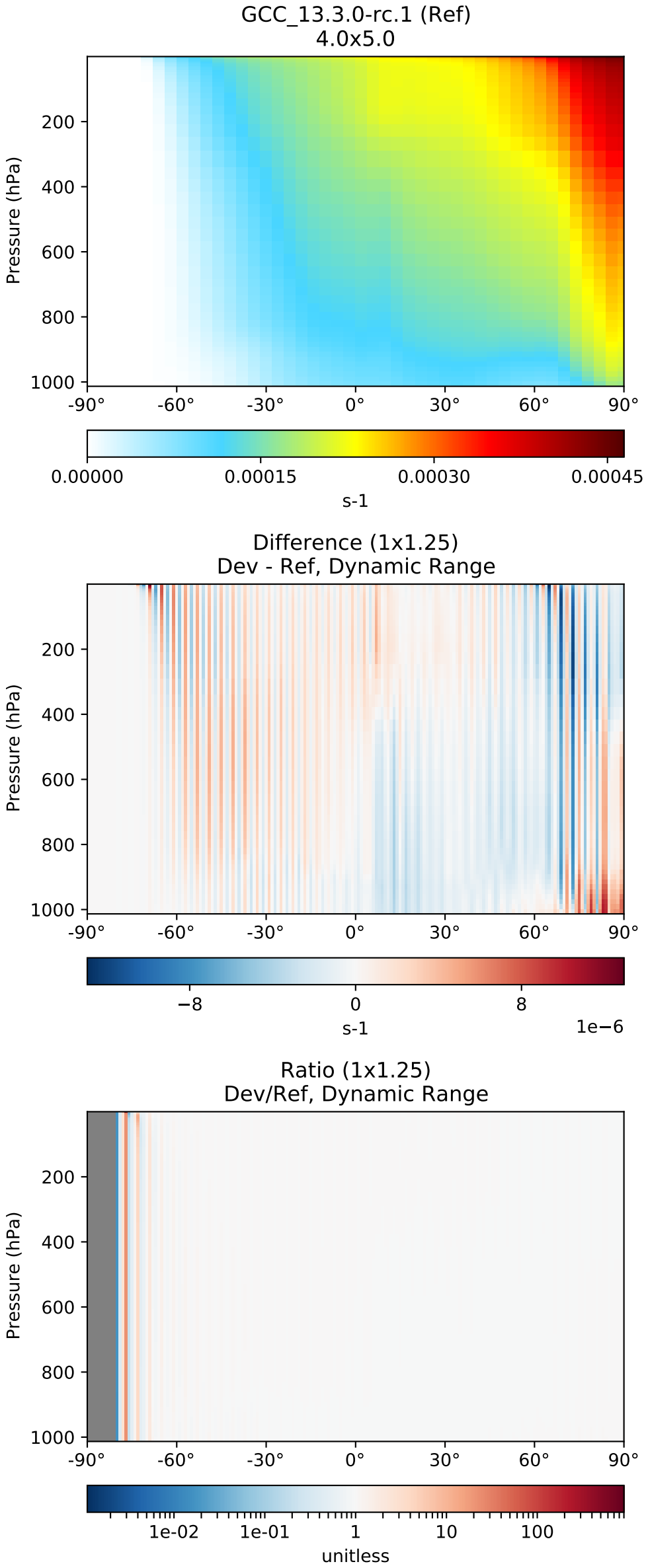


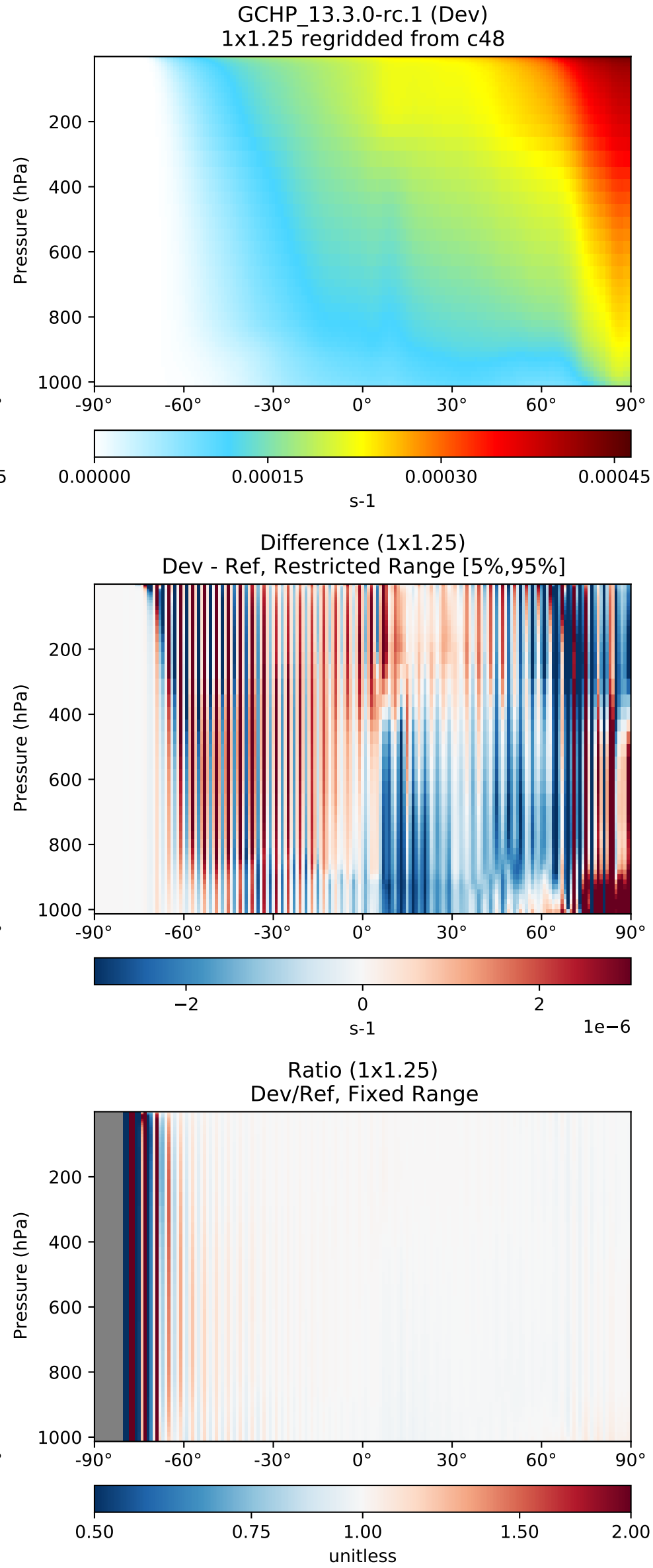
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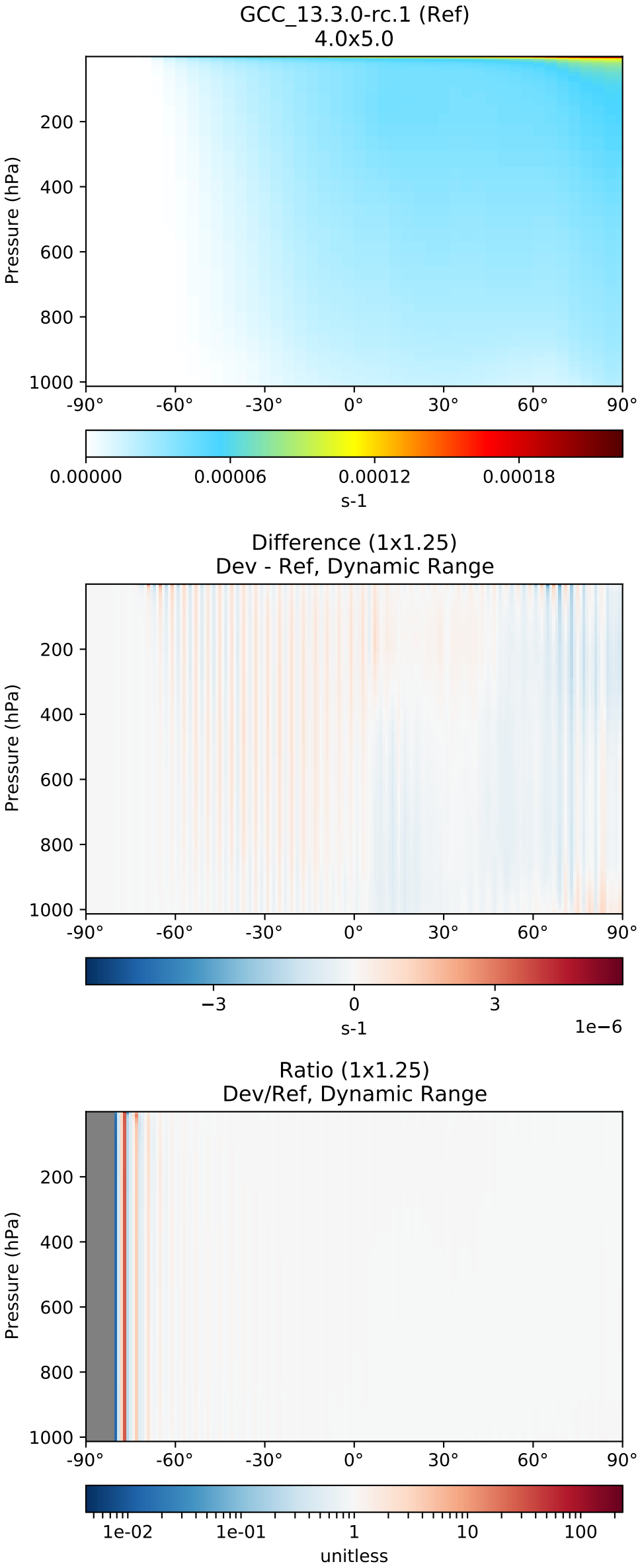


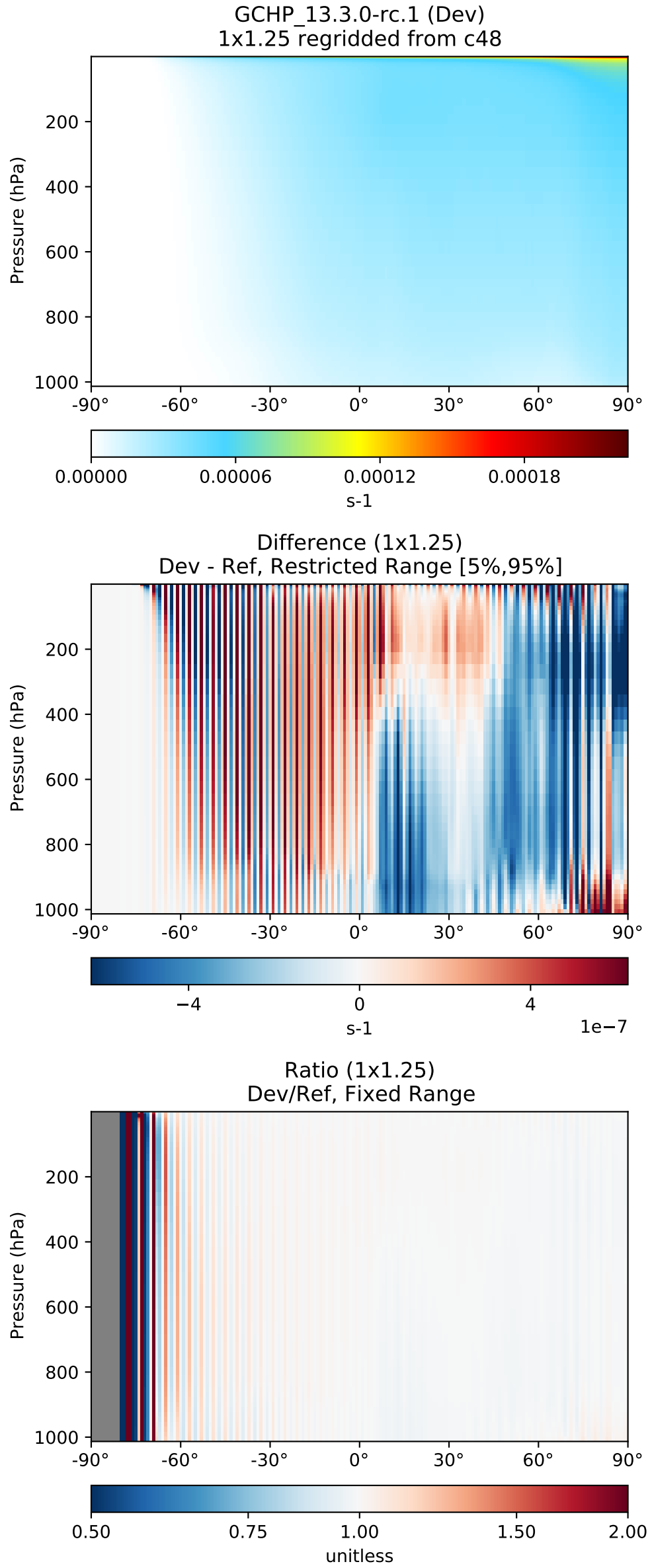
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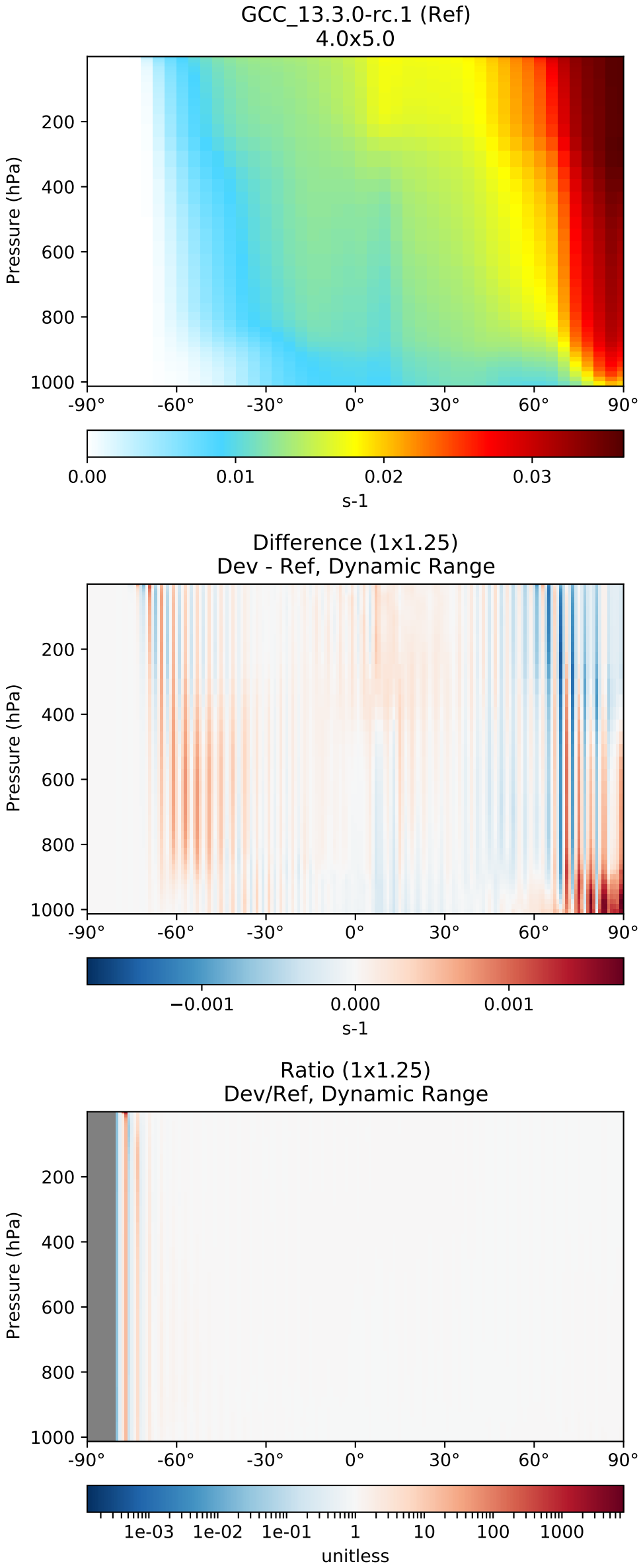


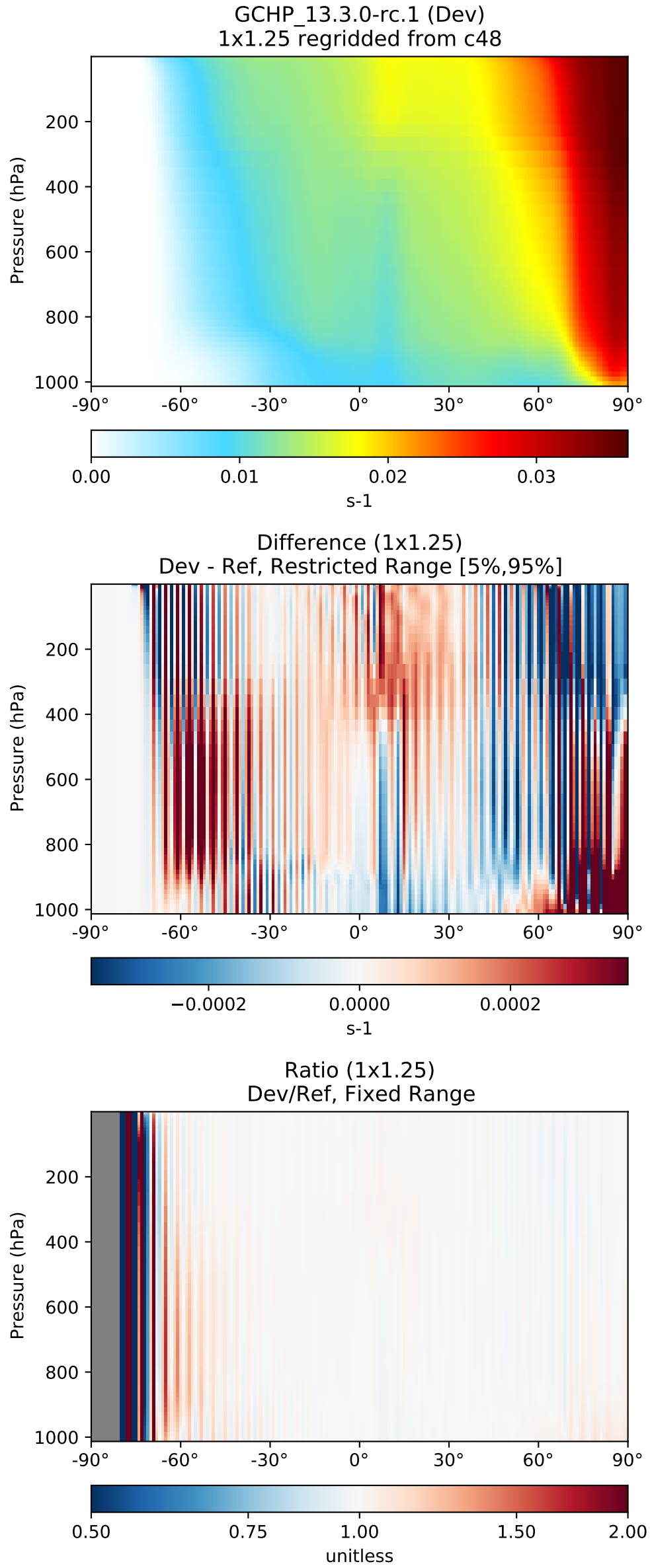
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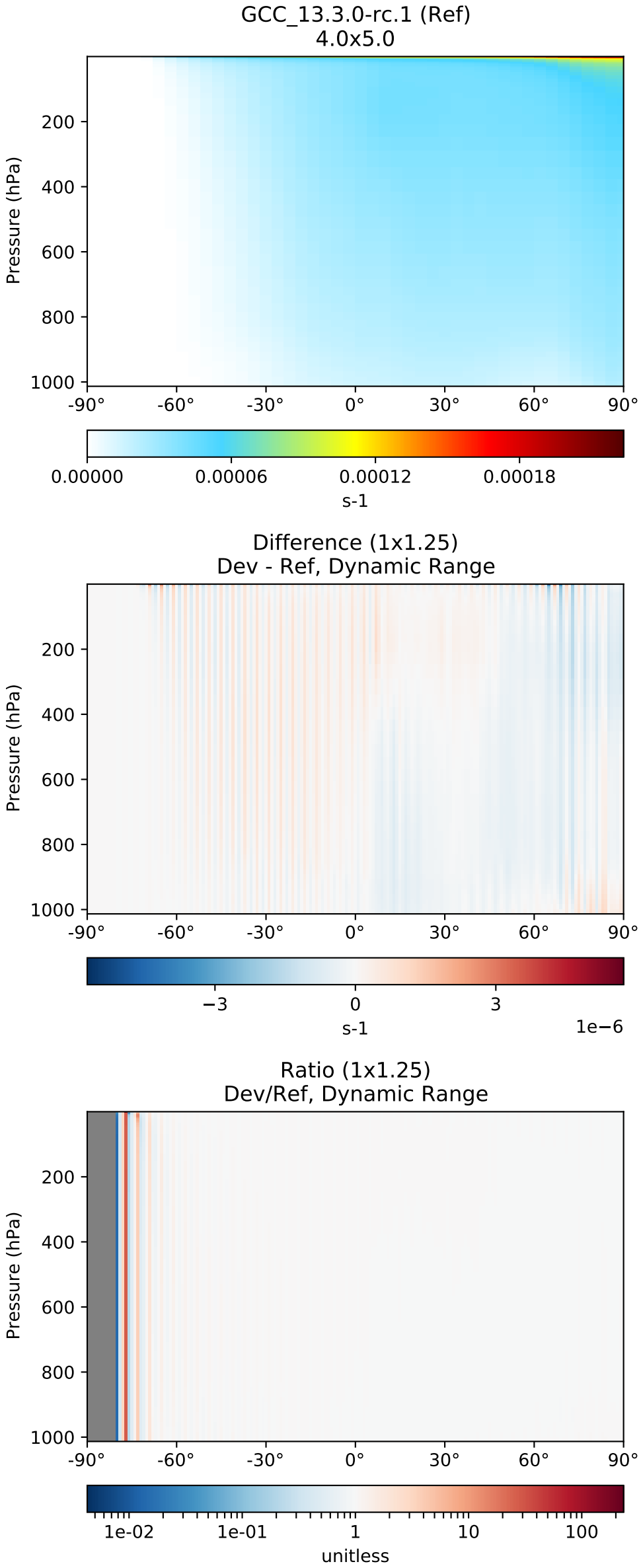


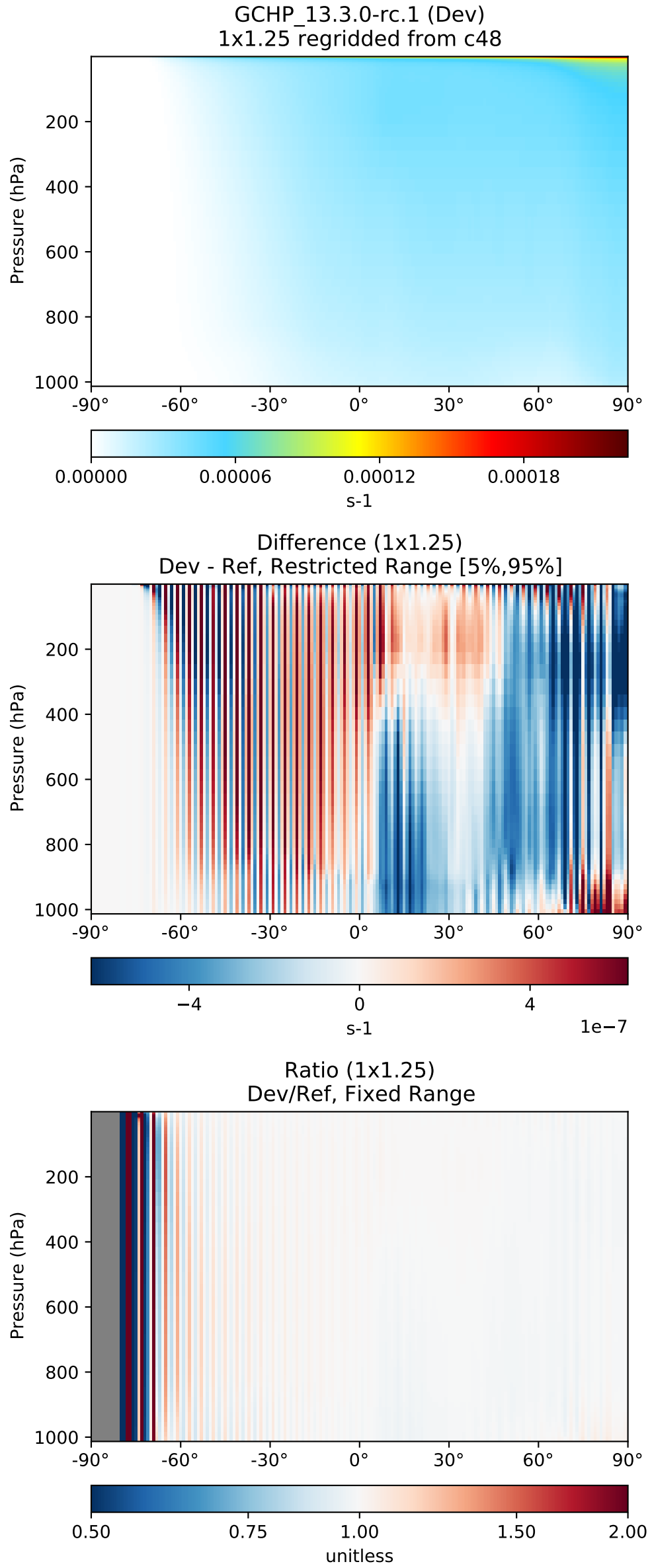
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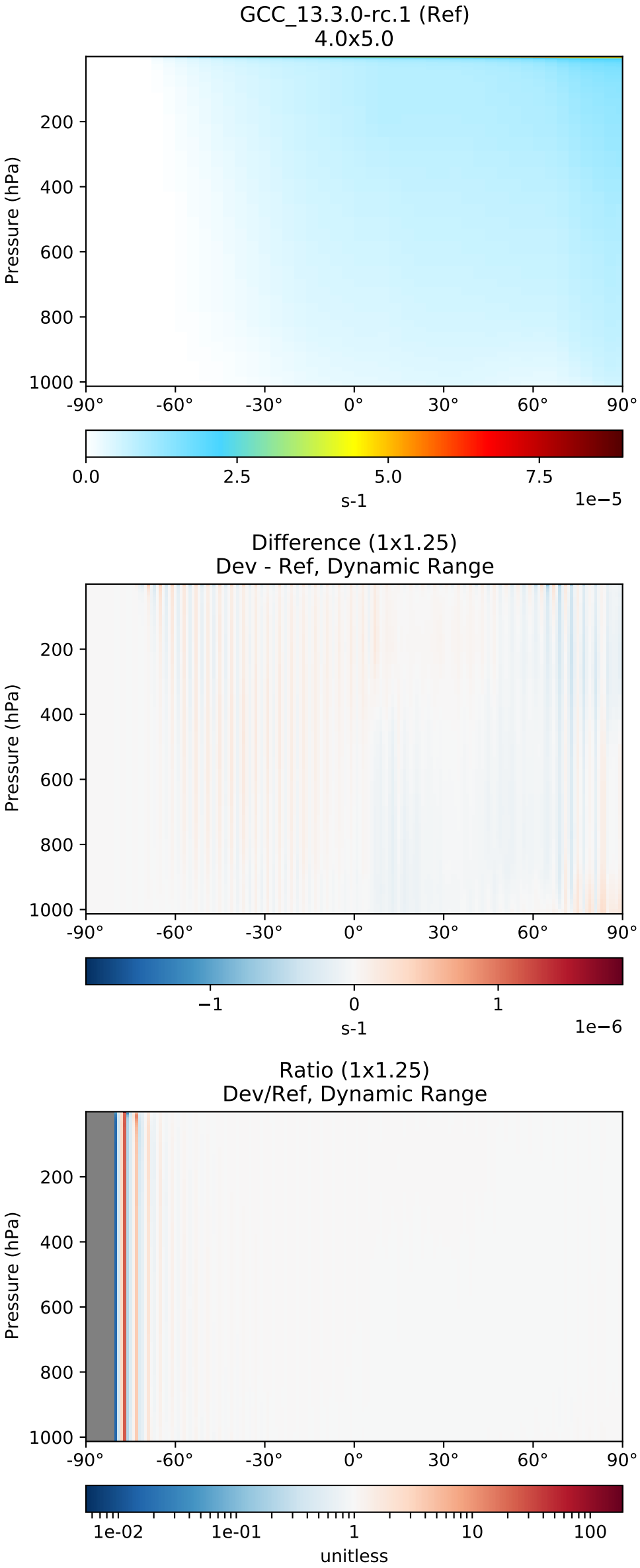


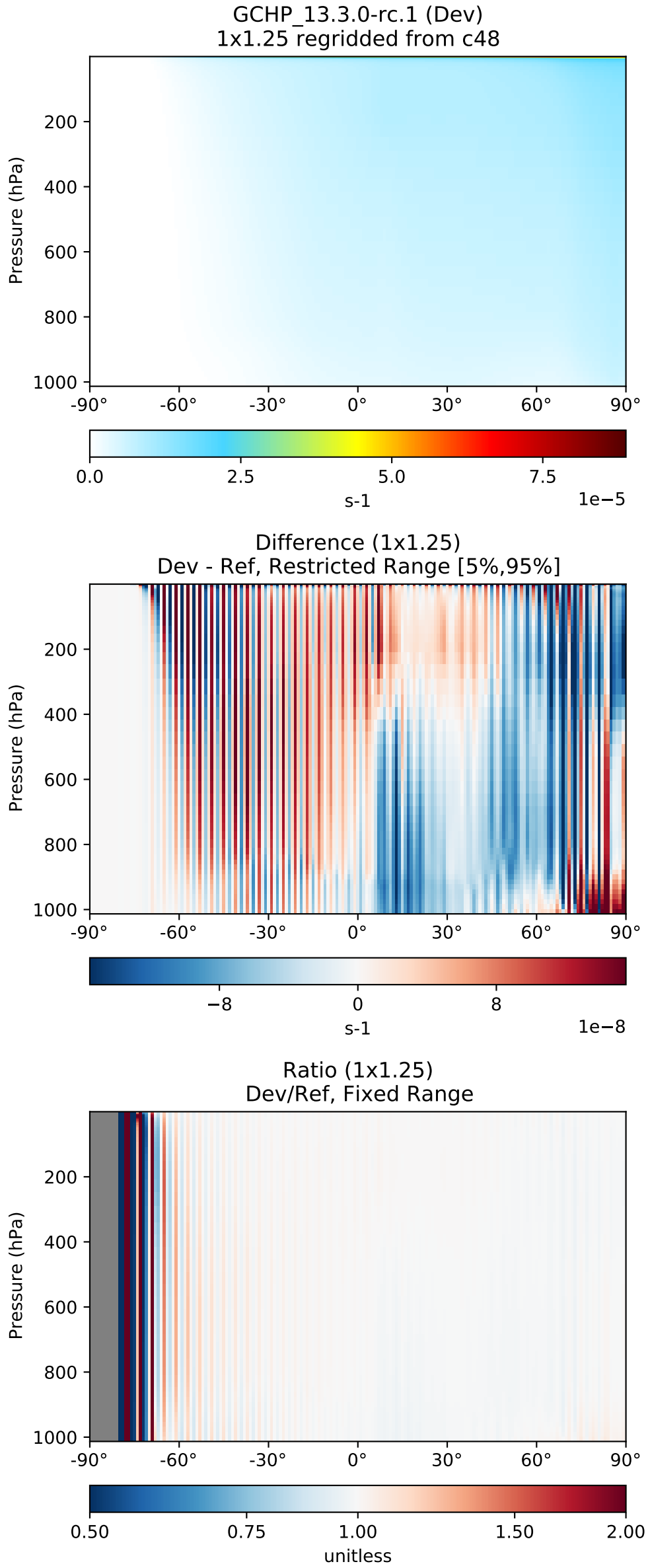
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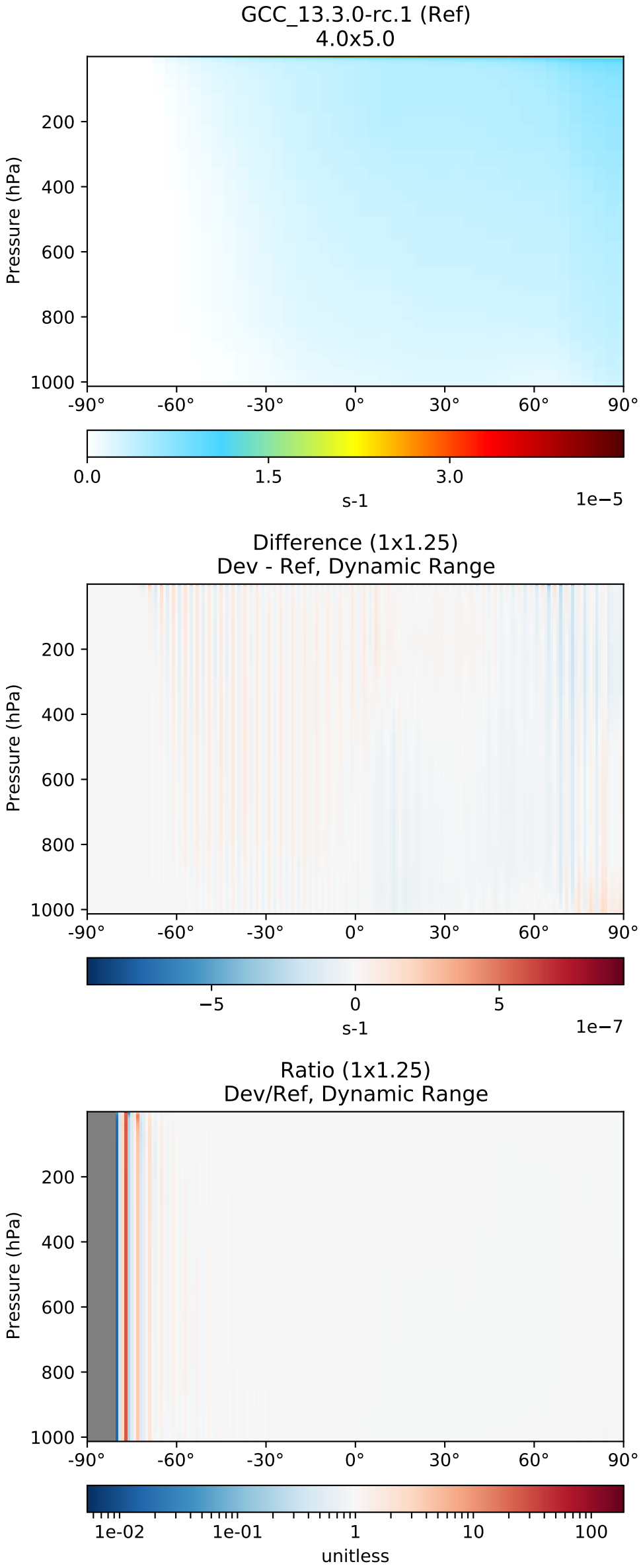


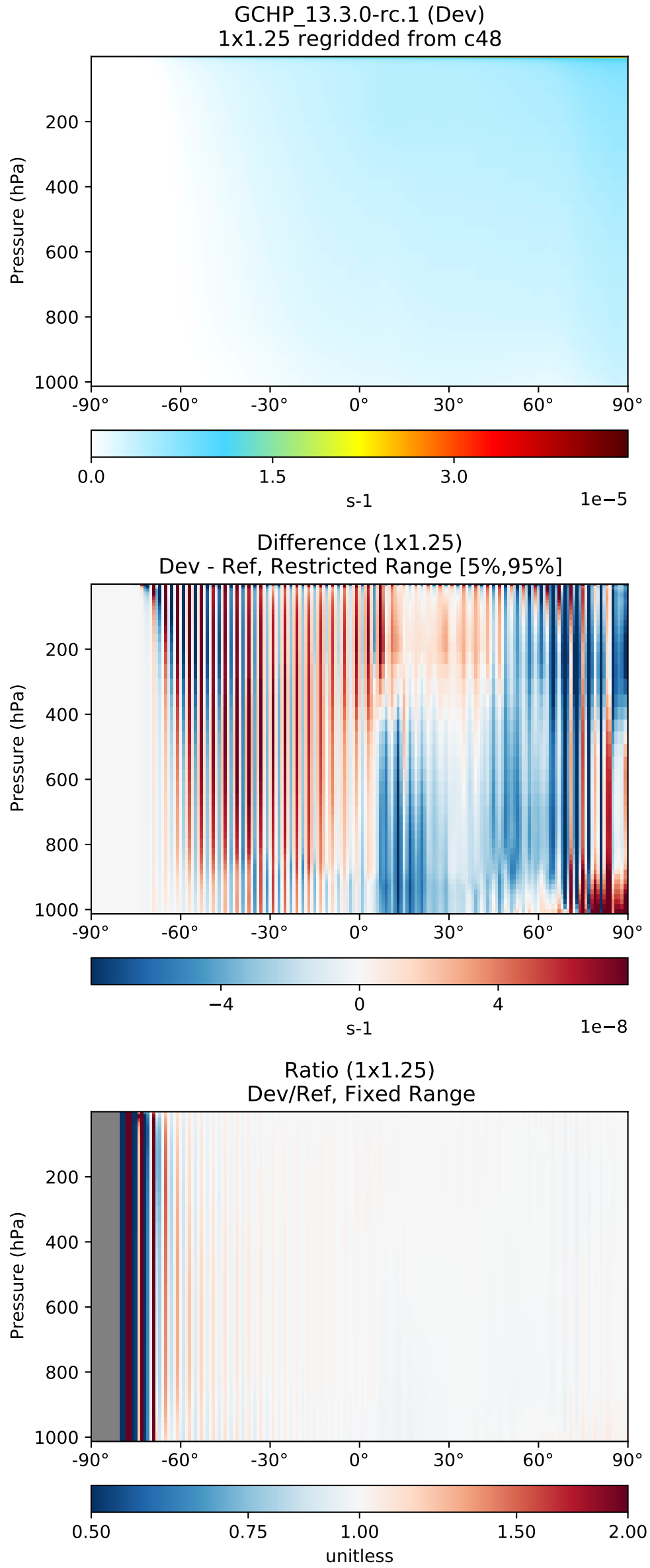
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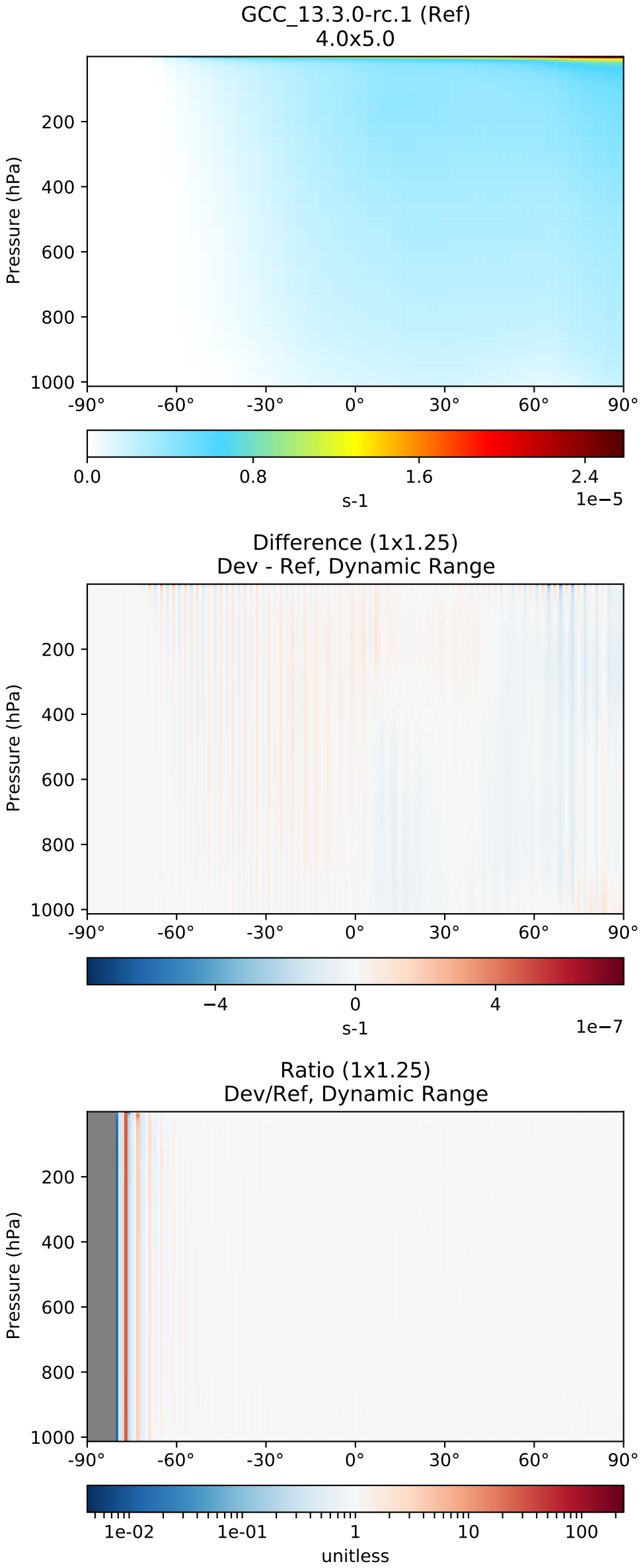


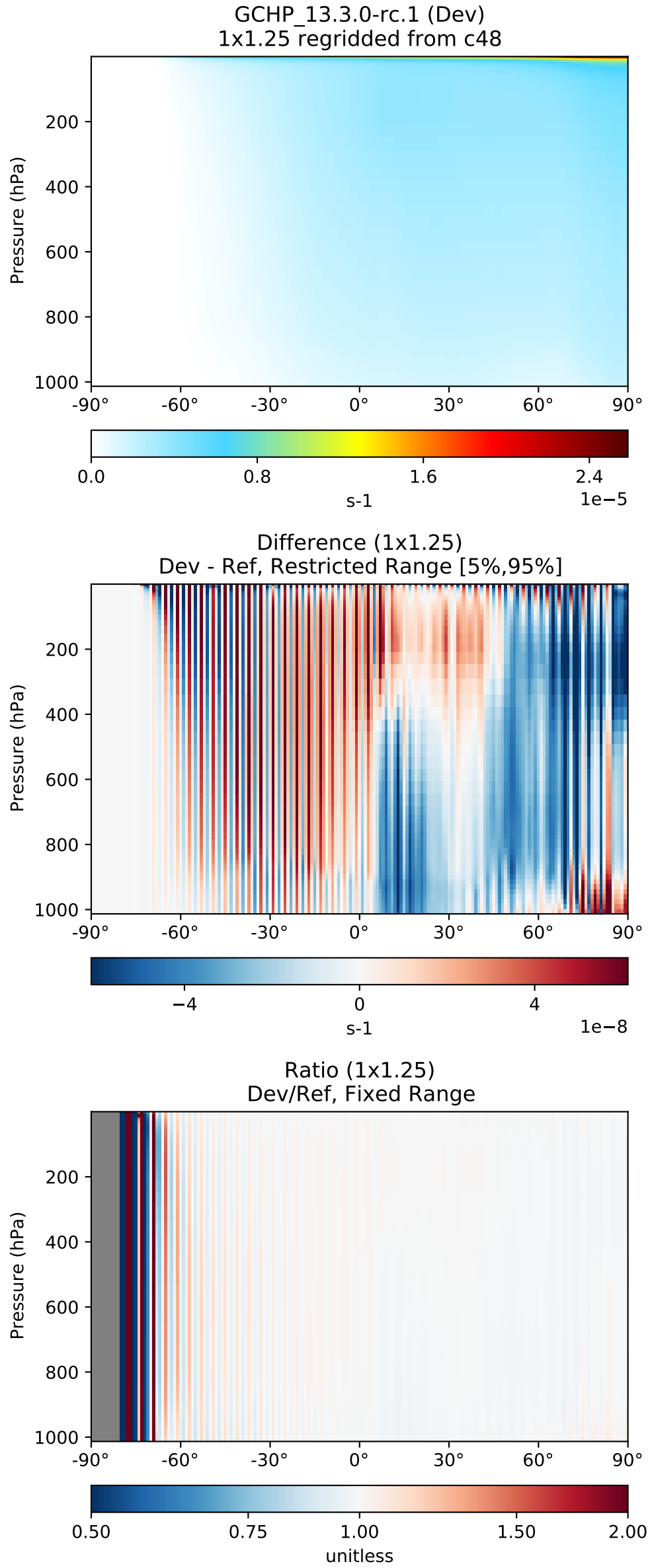
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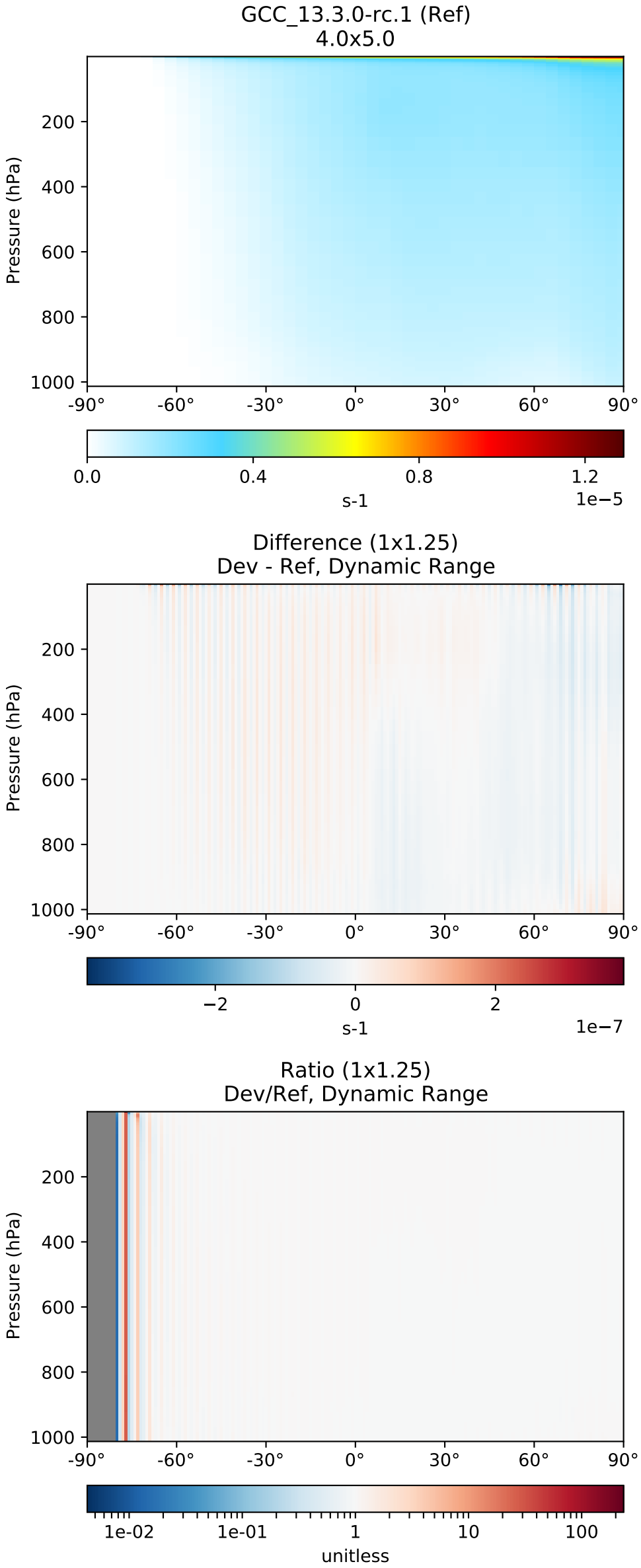


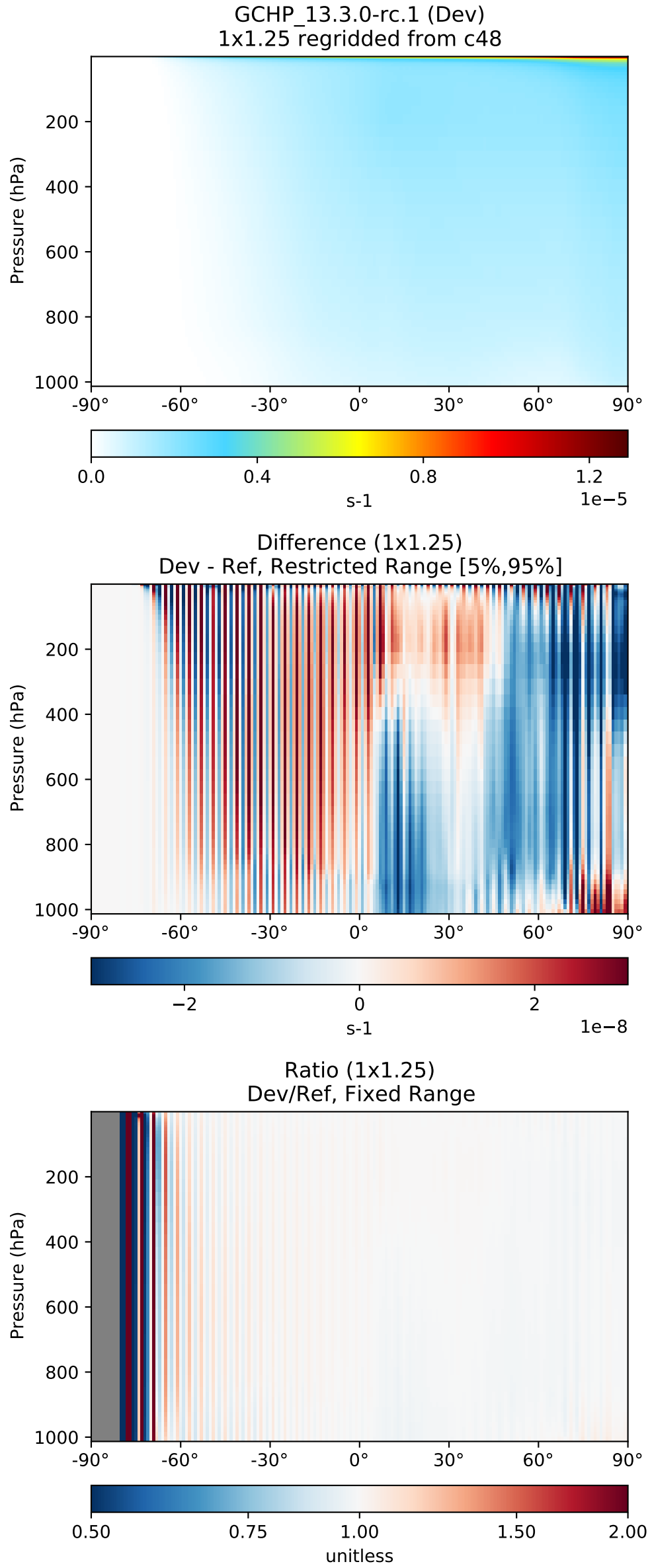
Jval_IDN, Zonal Mean



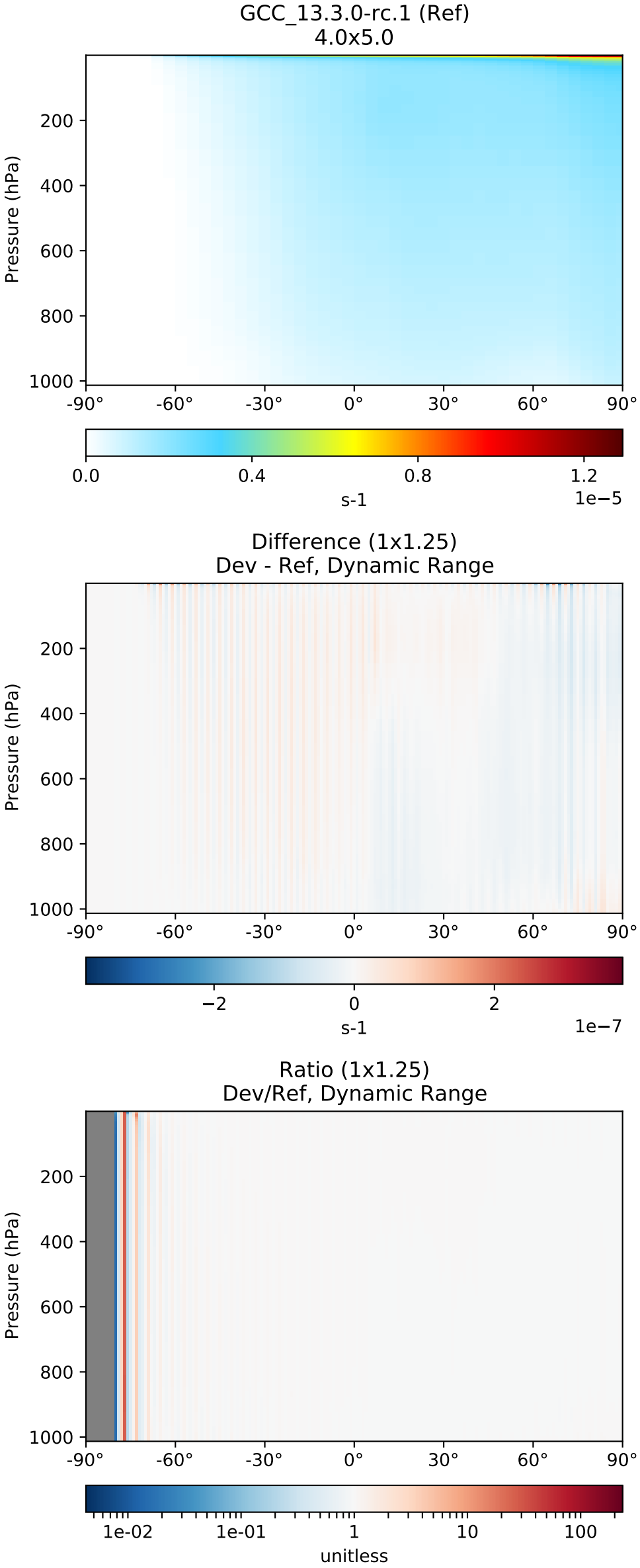


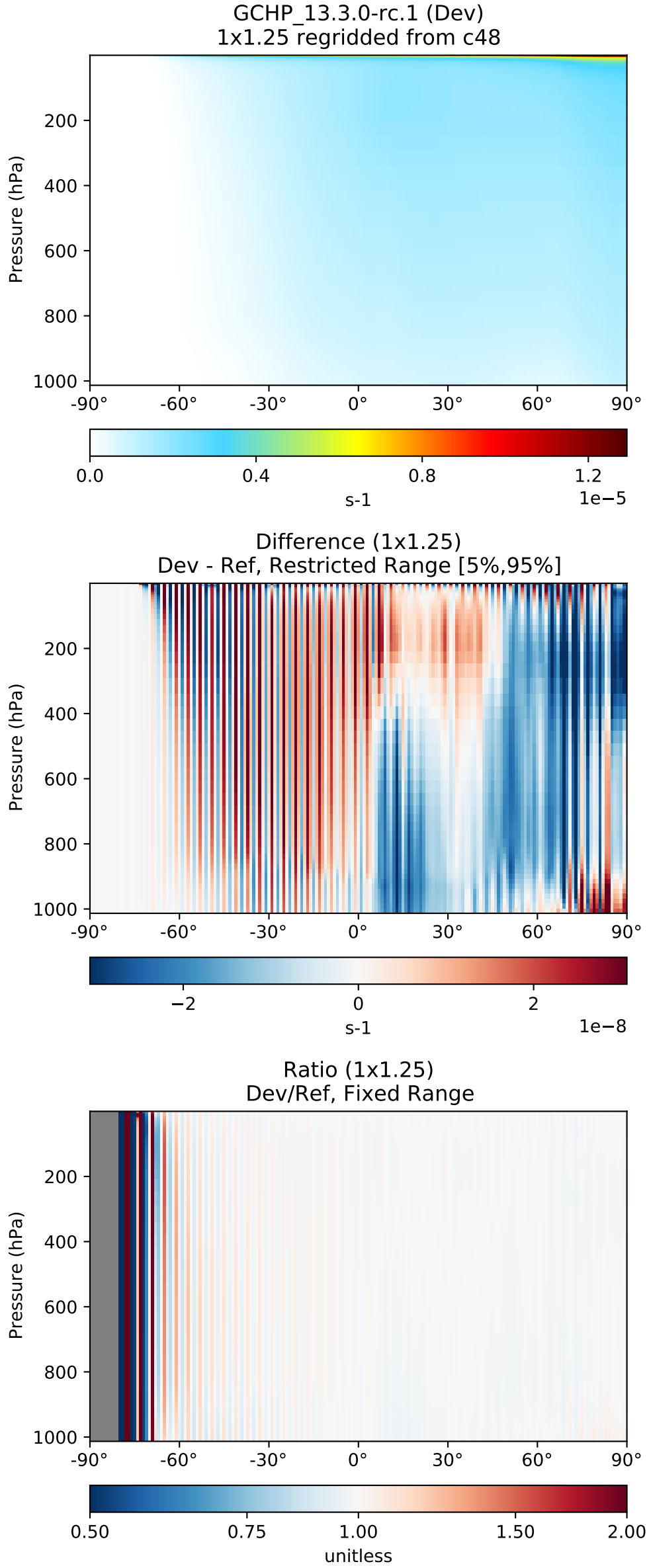
Jval_IHN1, Zonal Mean



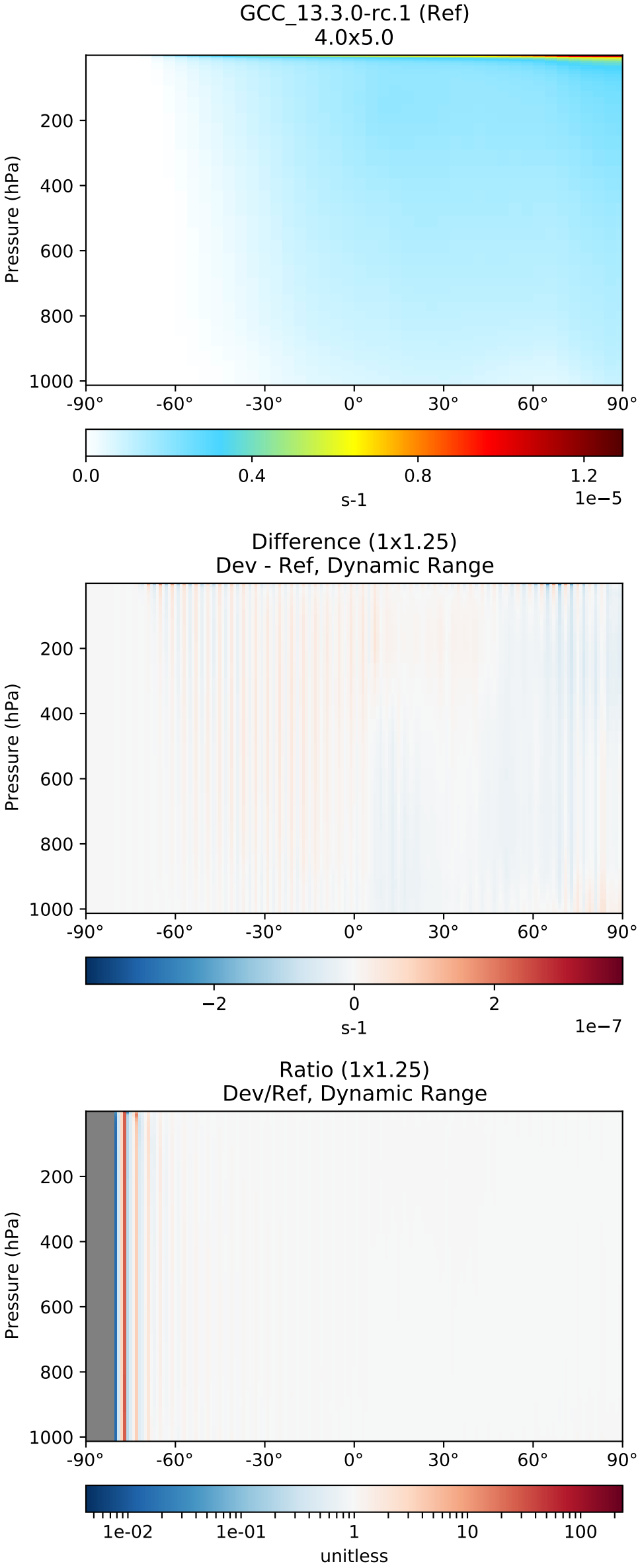


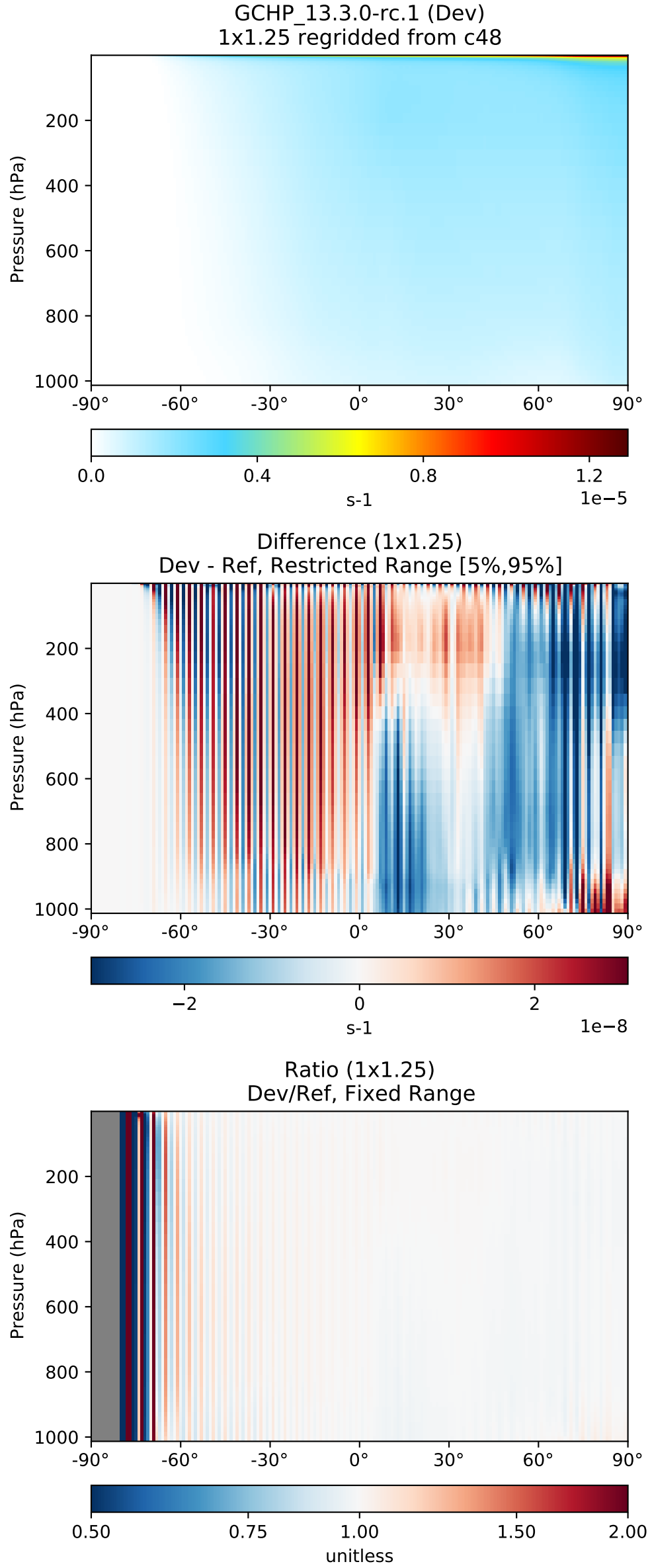
Jval_IHN2, Zonal Mean



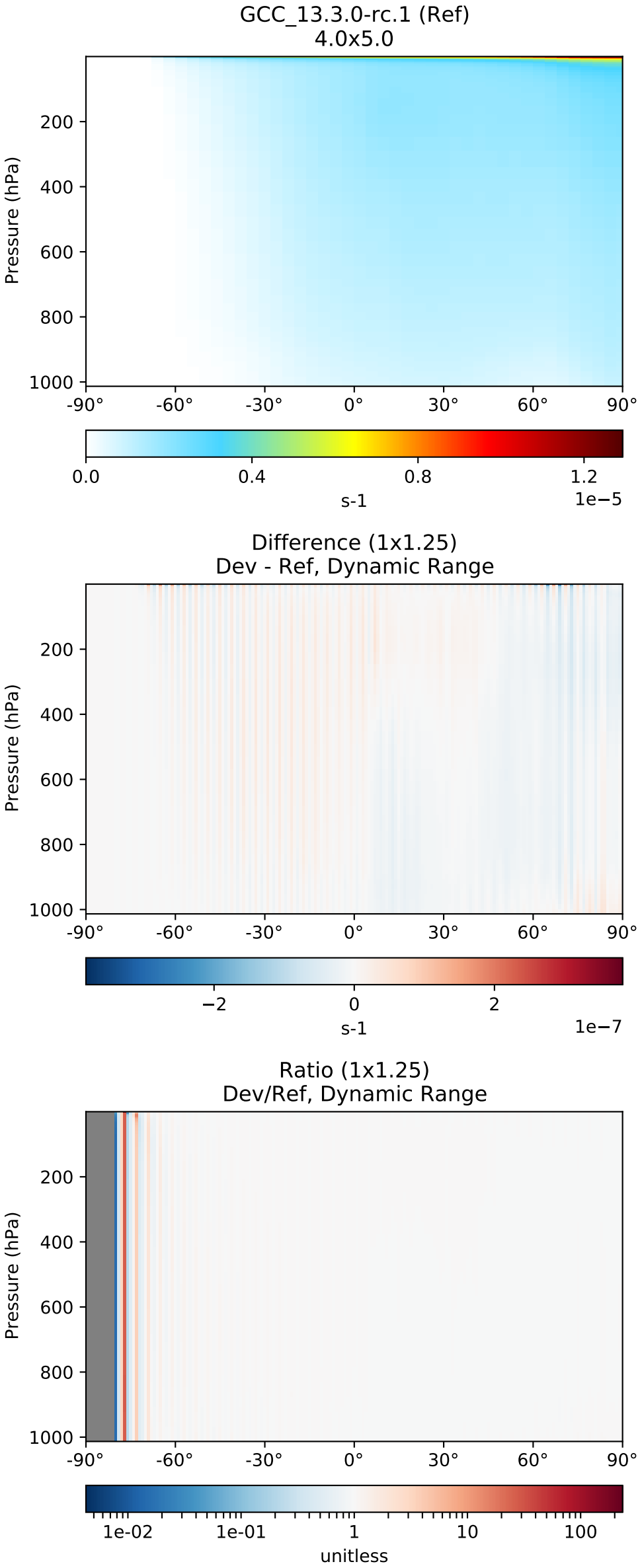


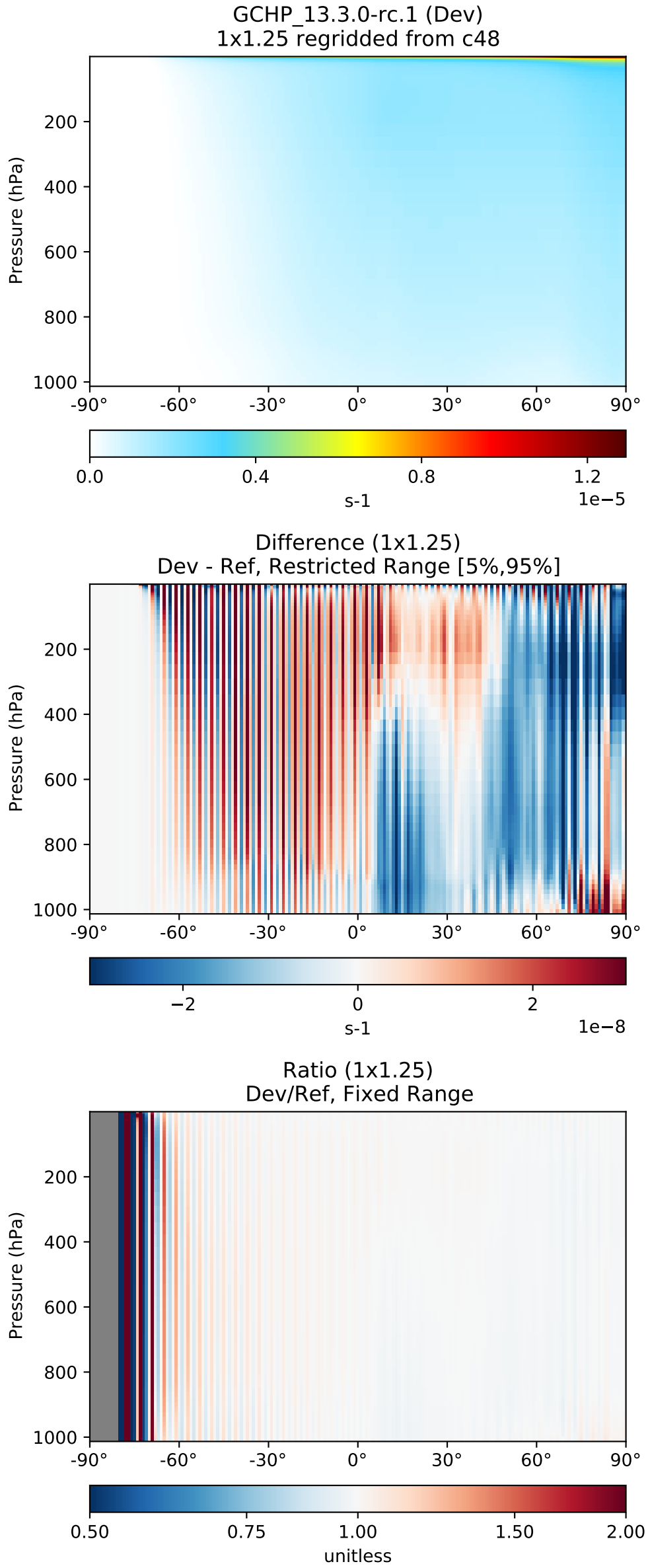
Jval_IHN3, Zonal Mean



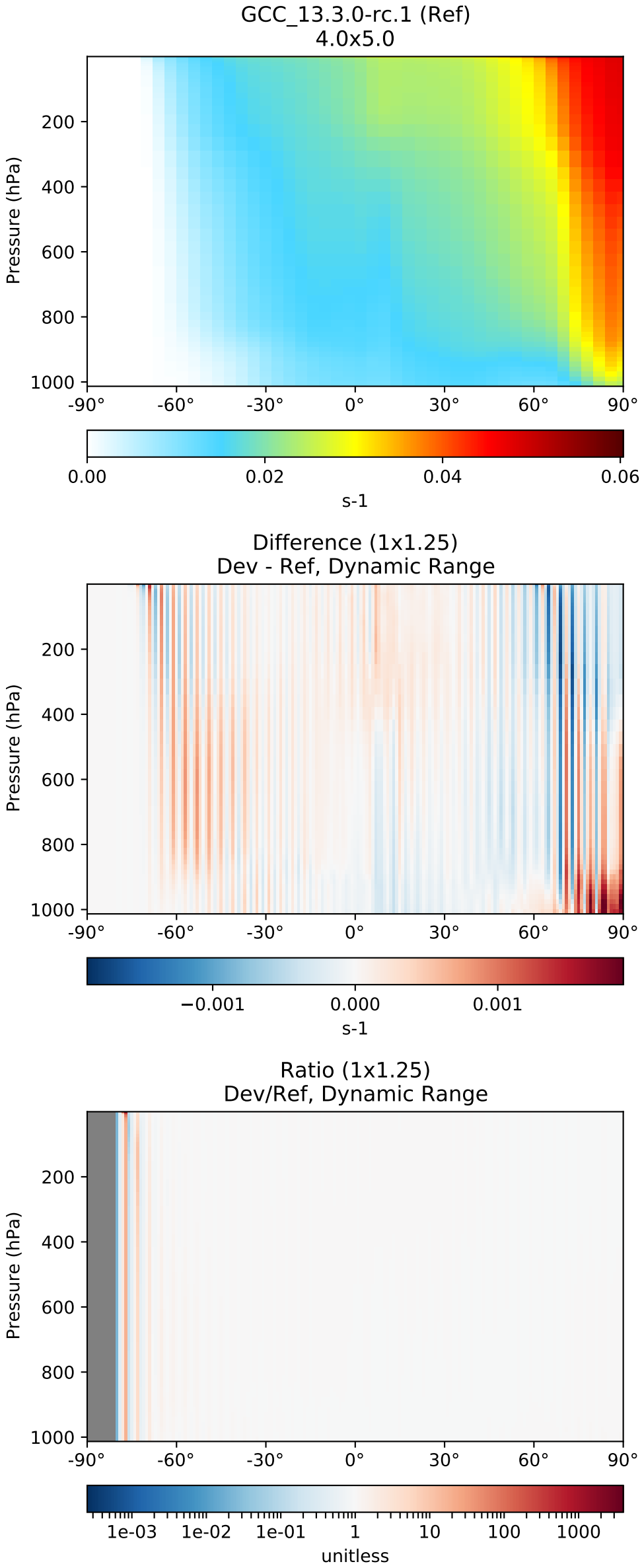


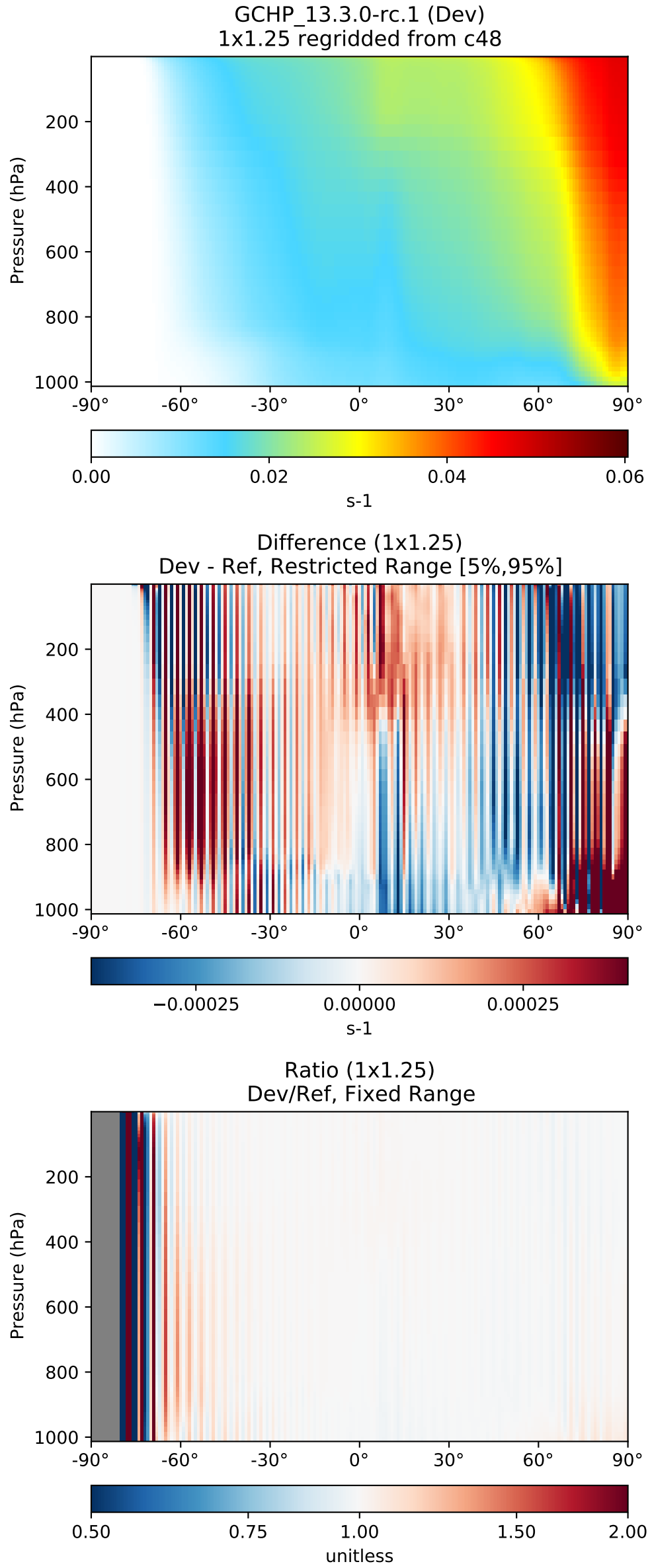
Jval_IHN4, Zonal Mean



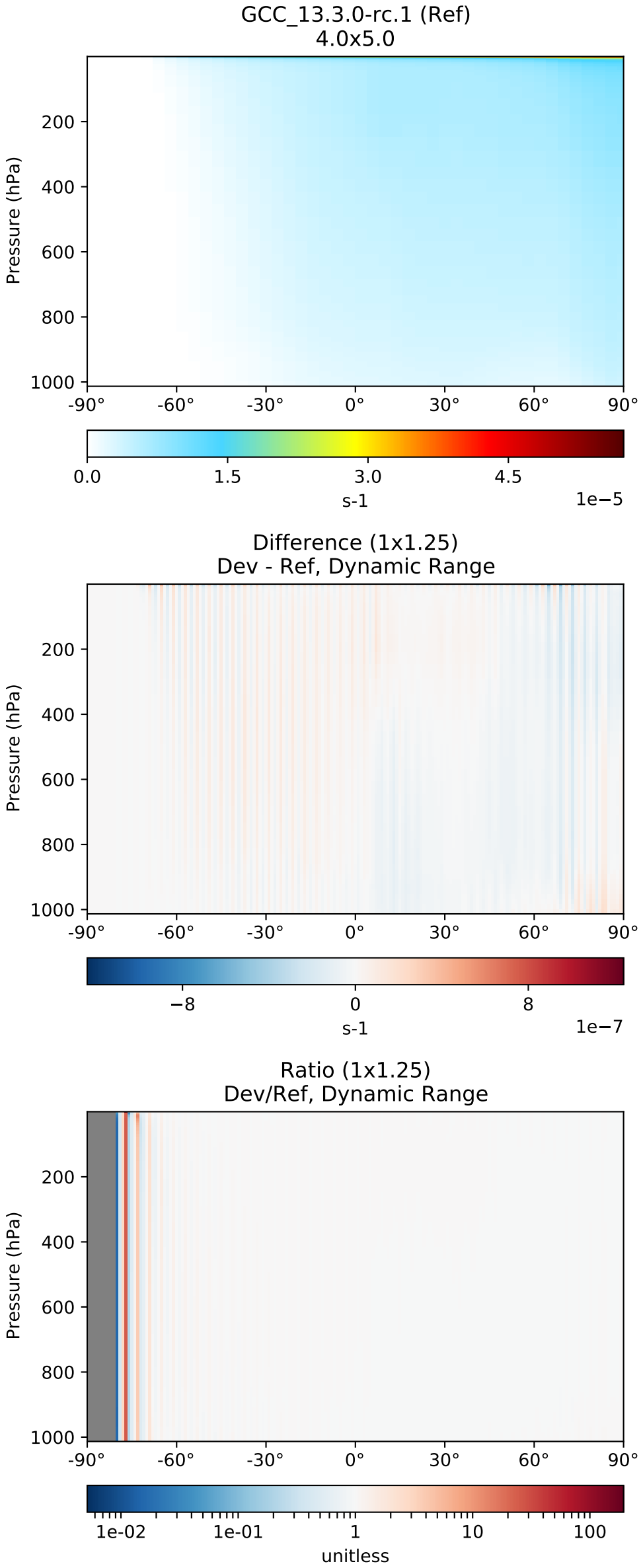


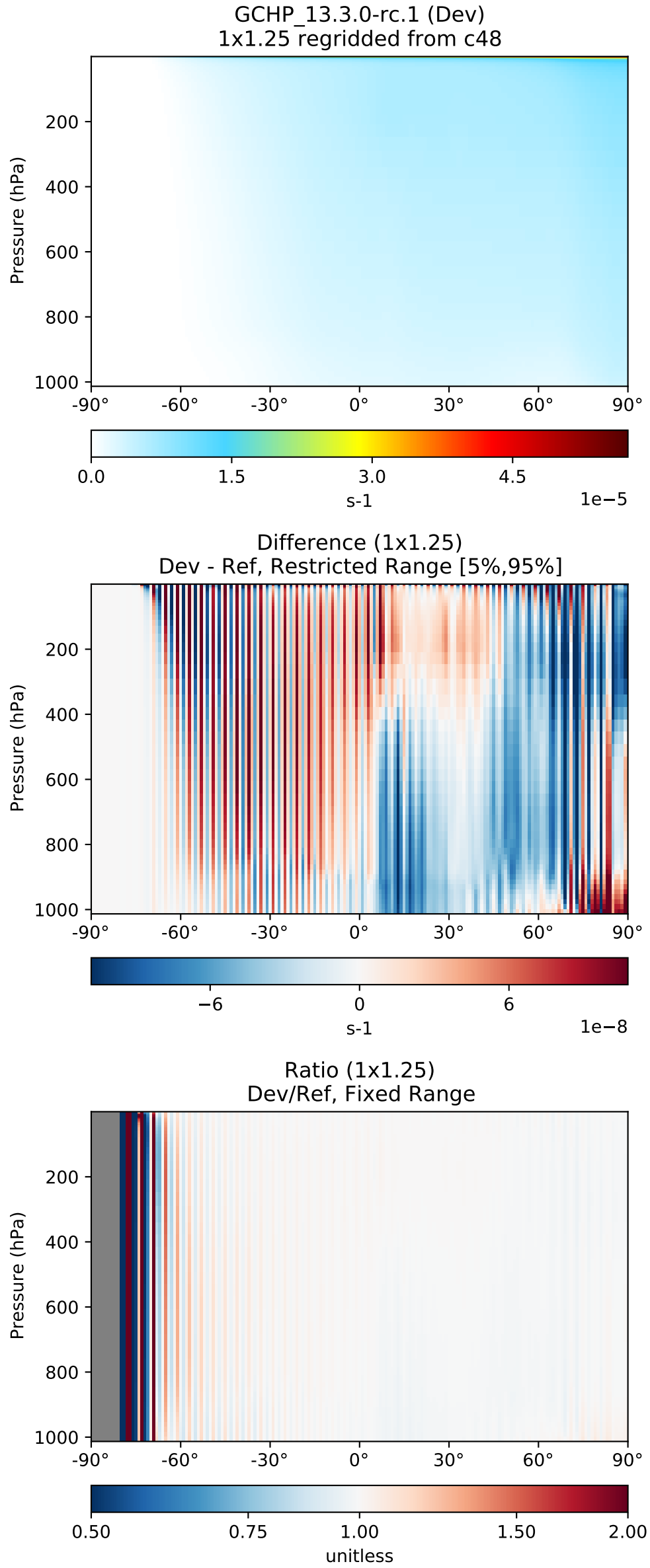
Jval_INO, Zonal Mean



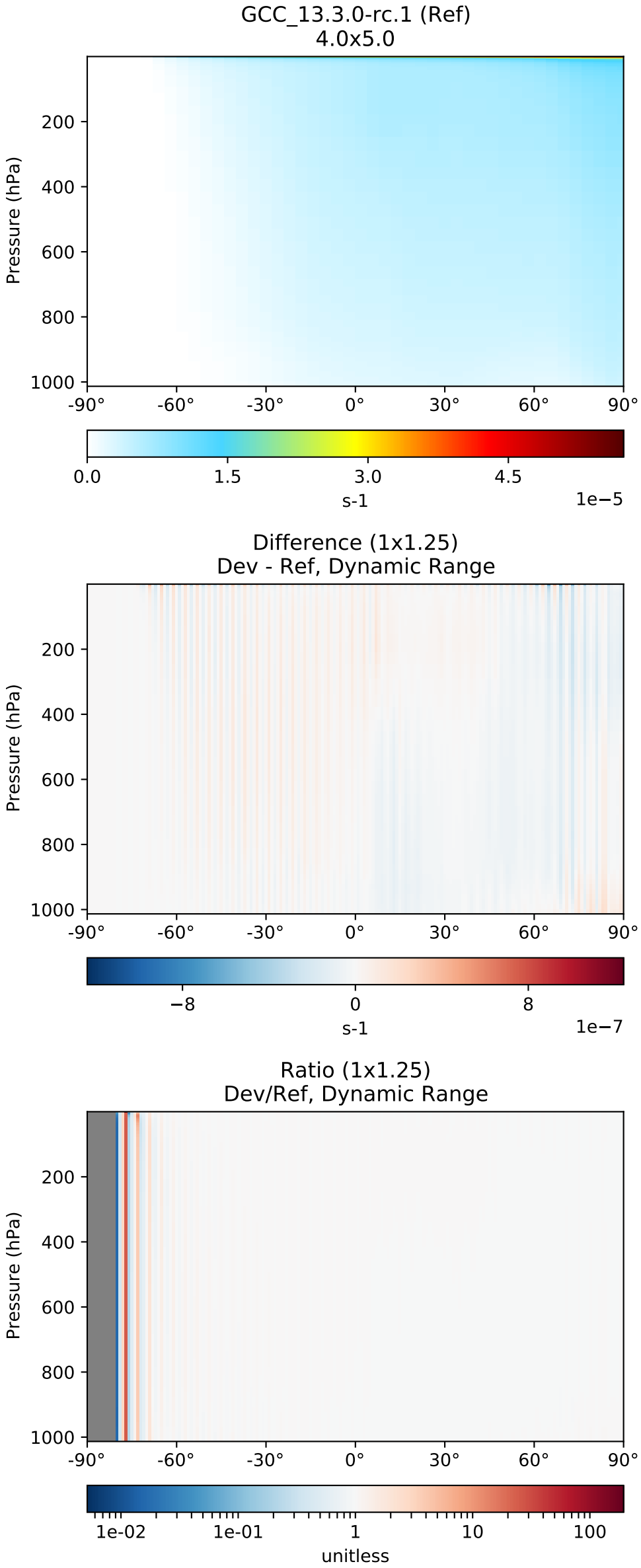


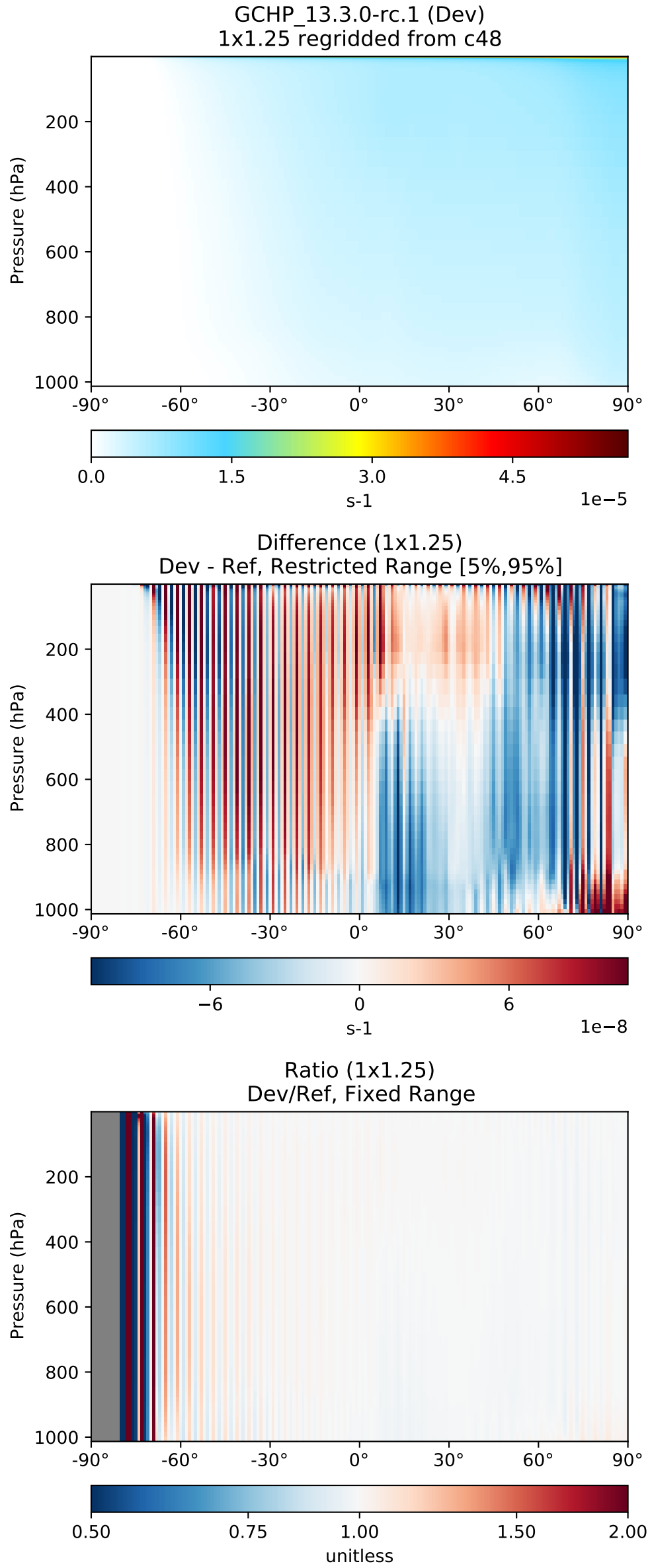
Jval_INPB, Zonal Mean



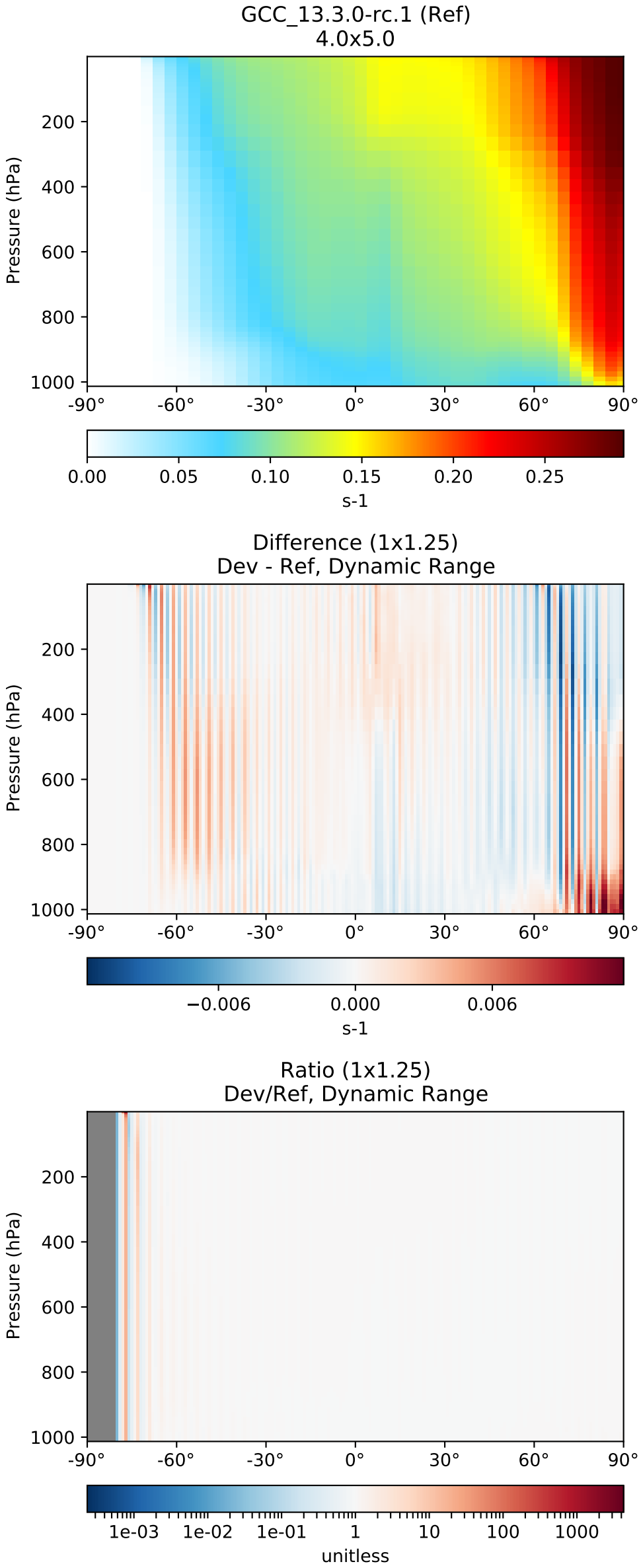


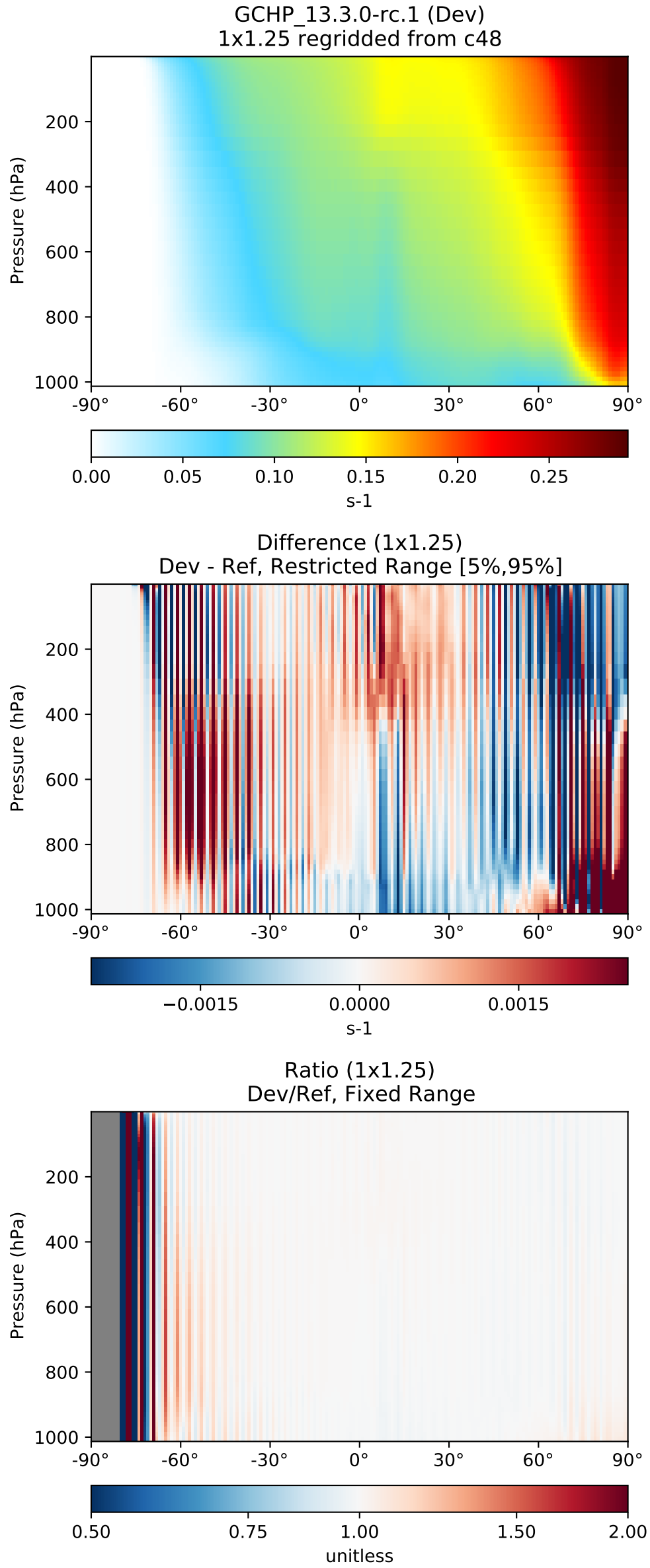
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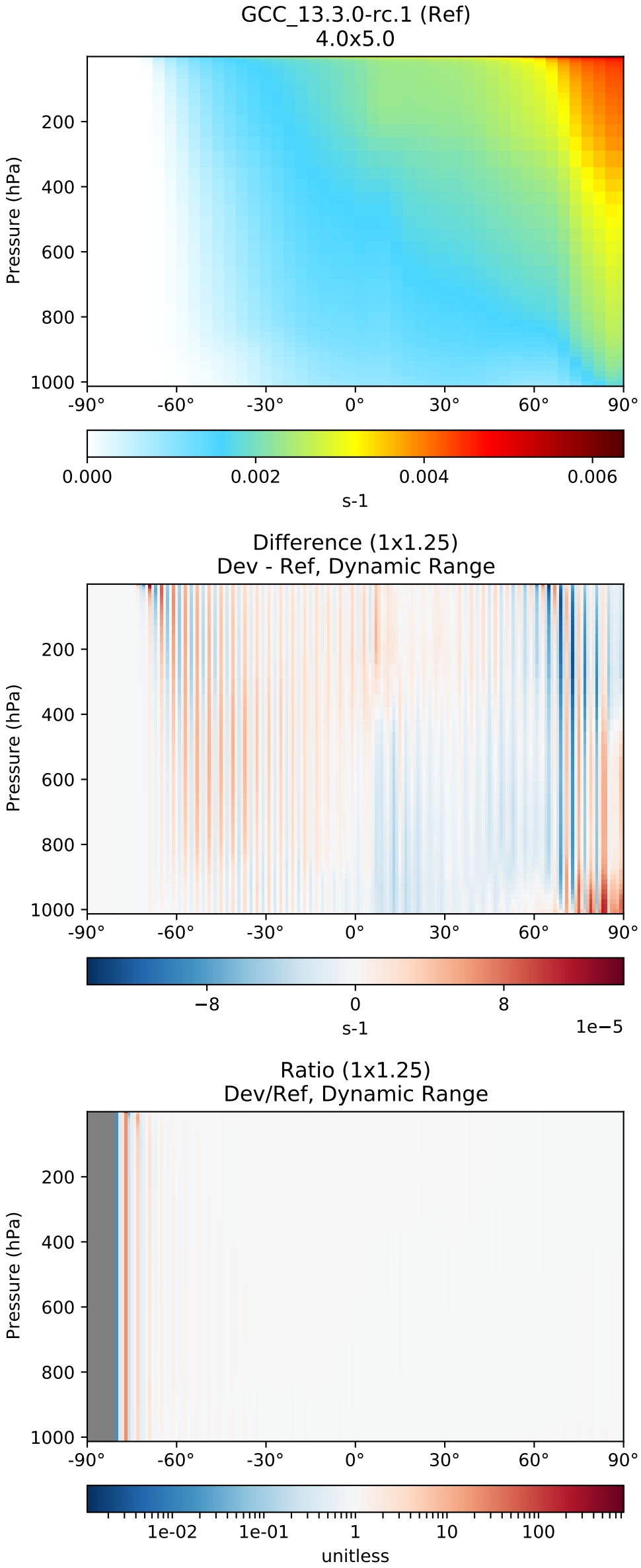


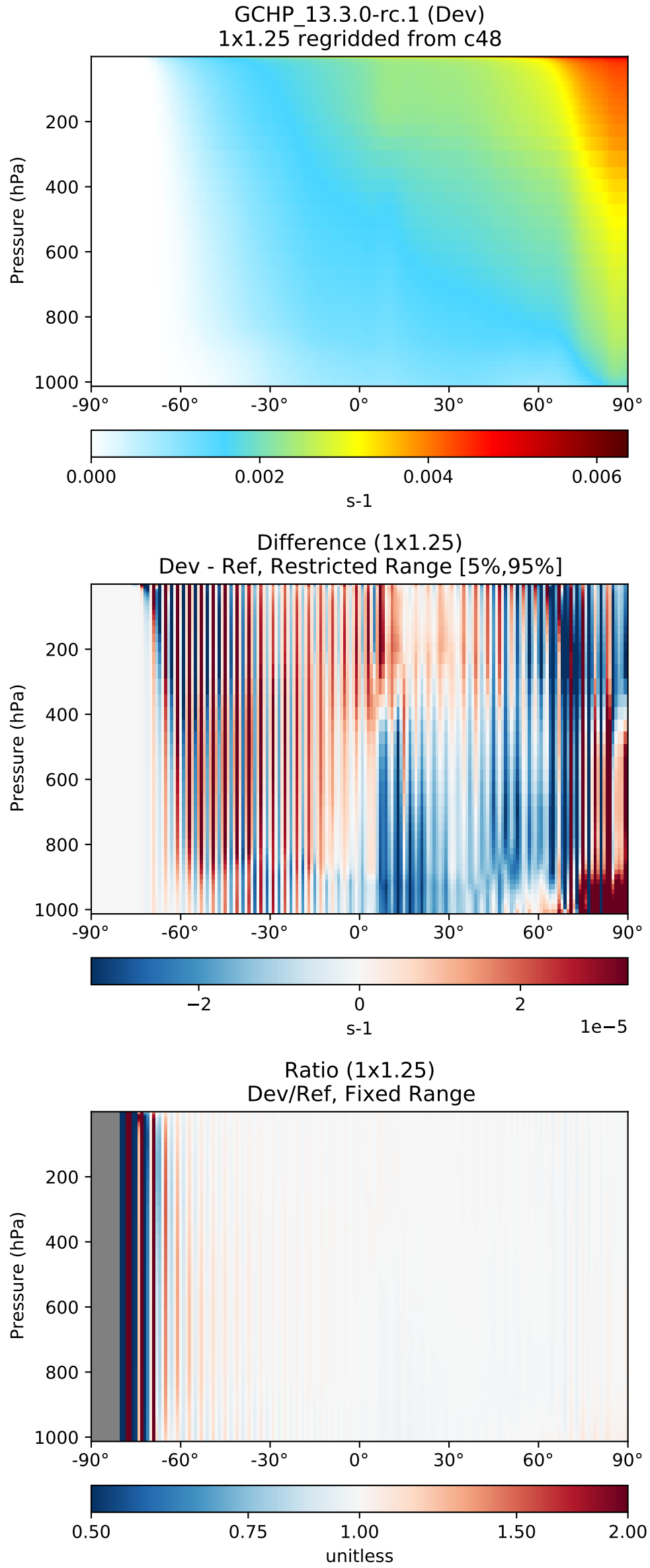
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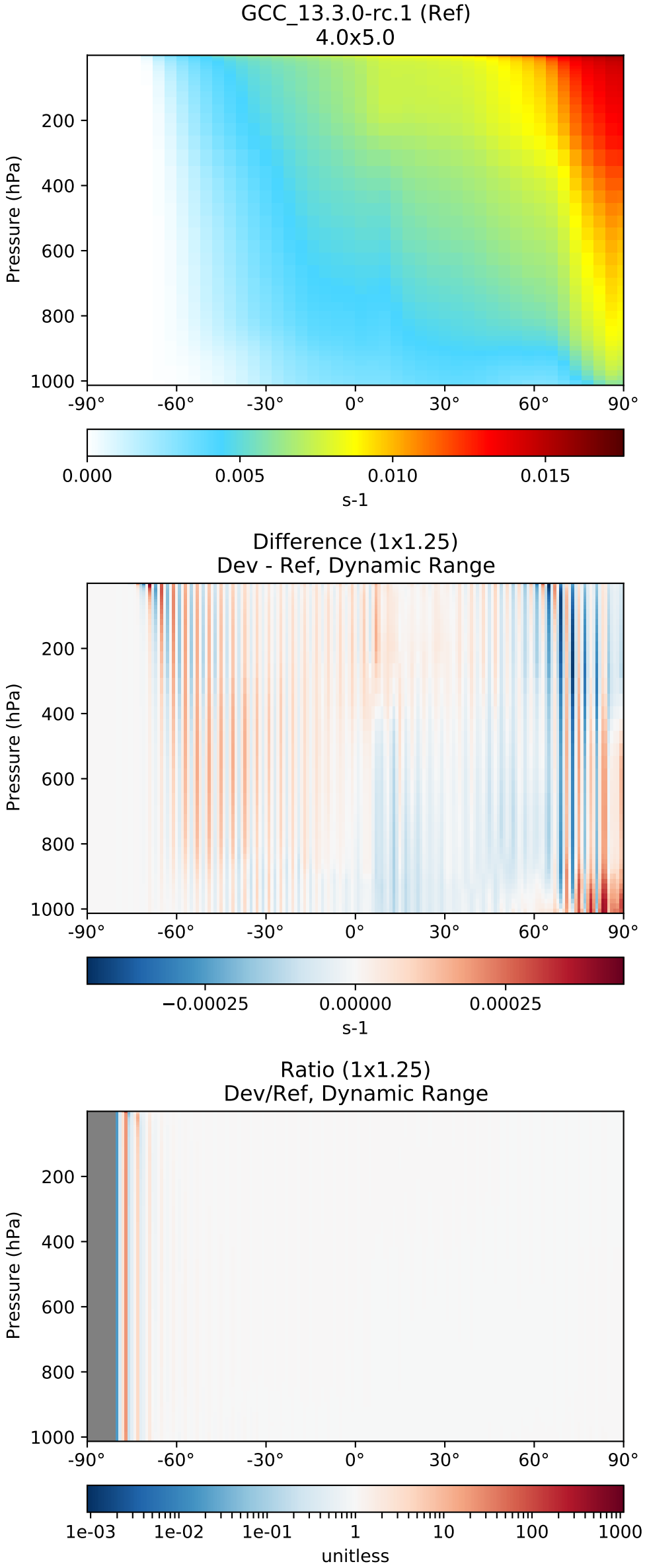


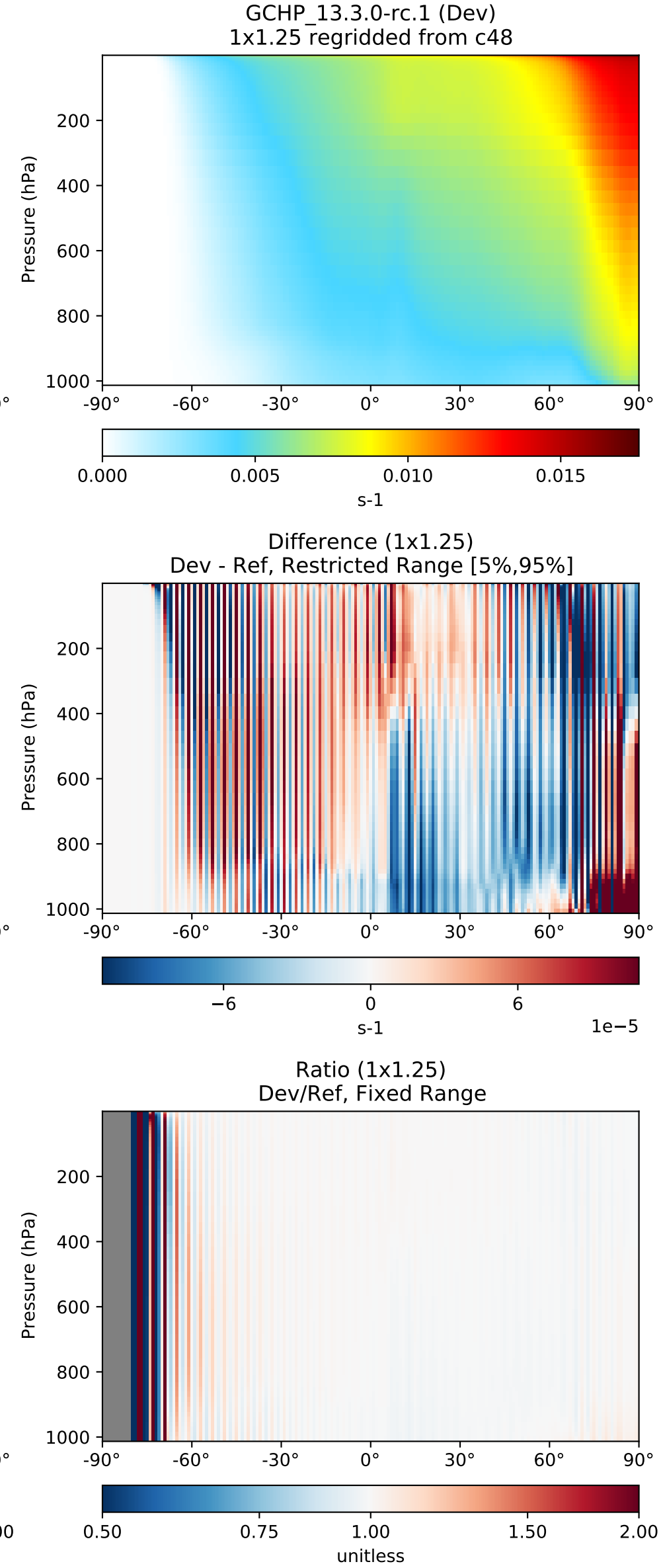
Jval_IONO, Zonal Mean



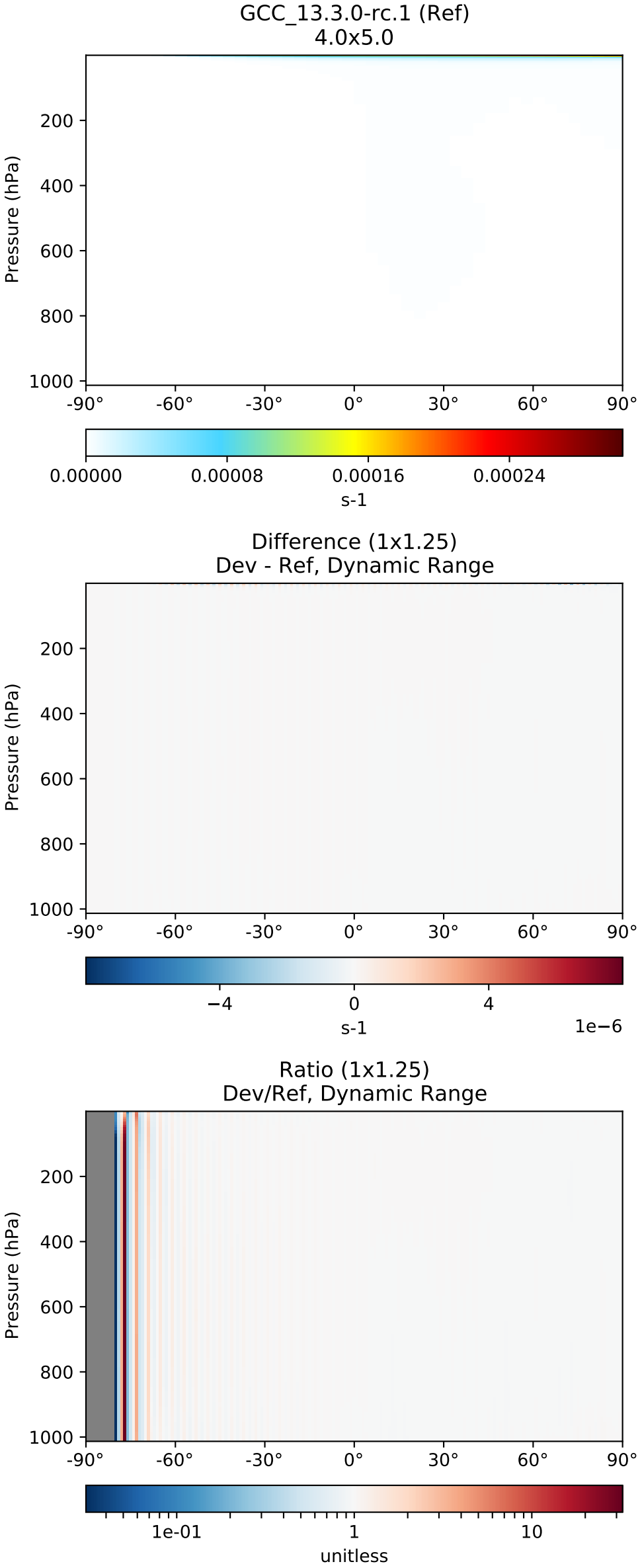


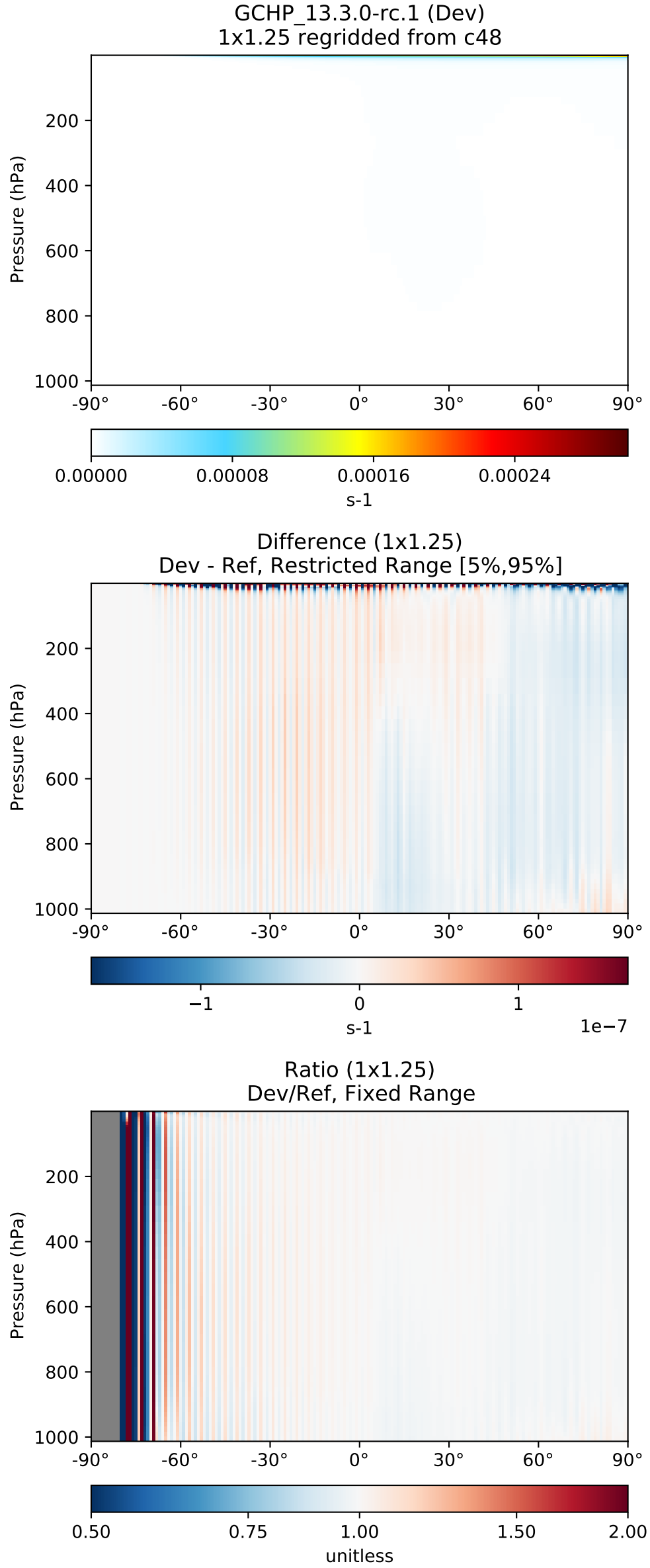
Jval_IONO2, Zonal Mean



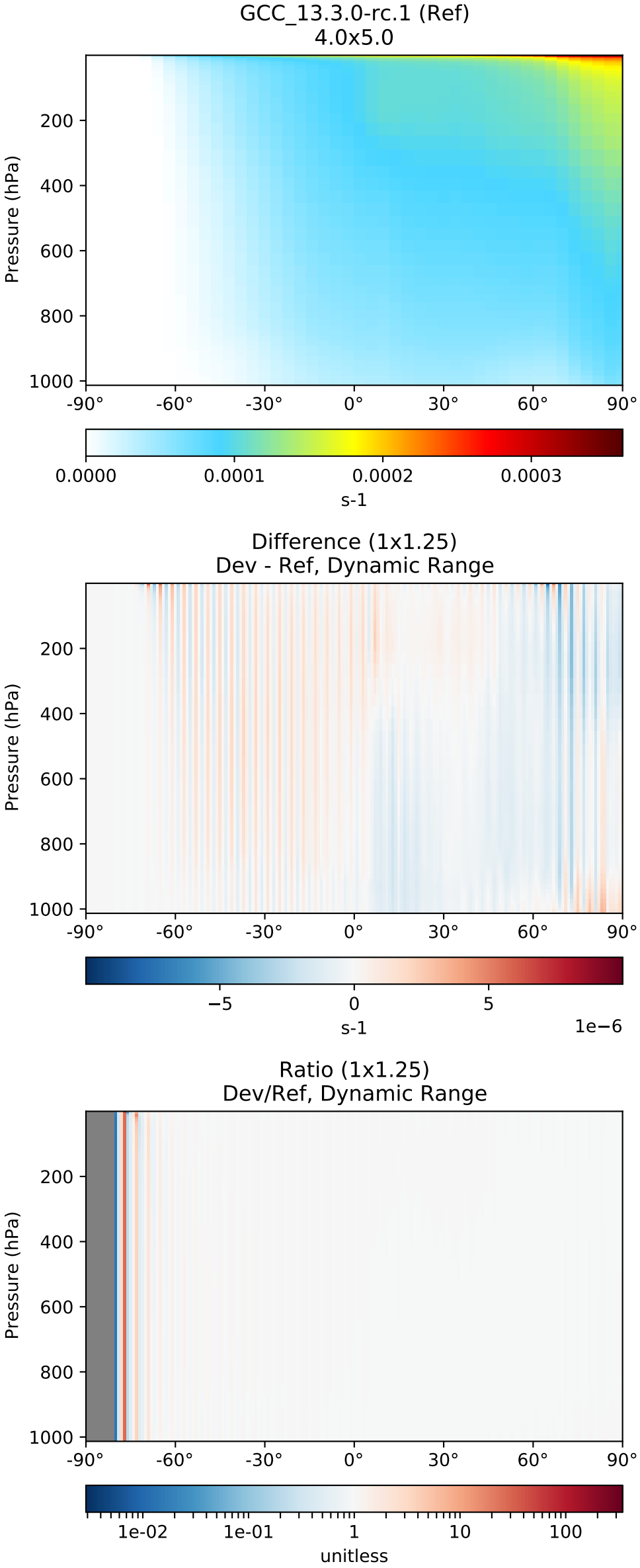


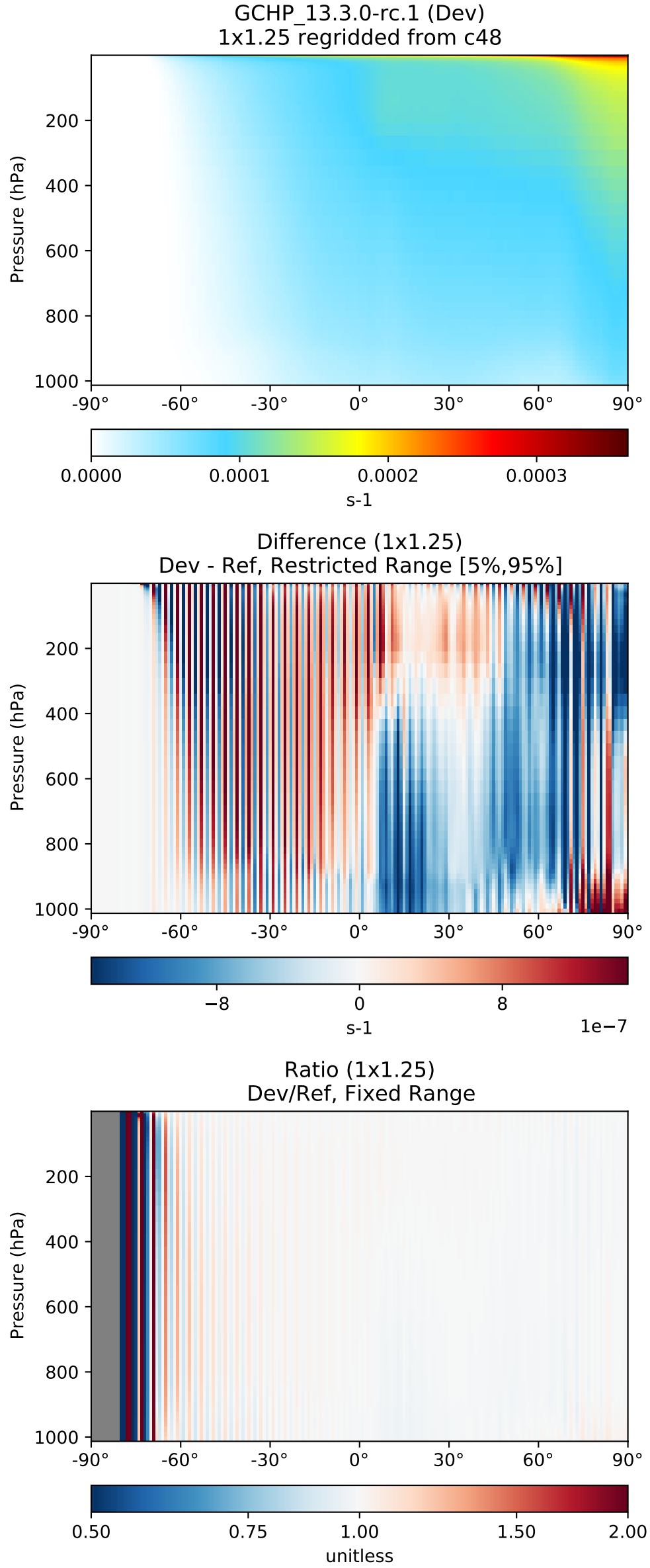
Jval_IPRNO3, Zonal Mean



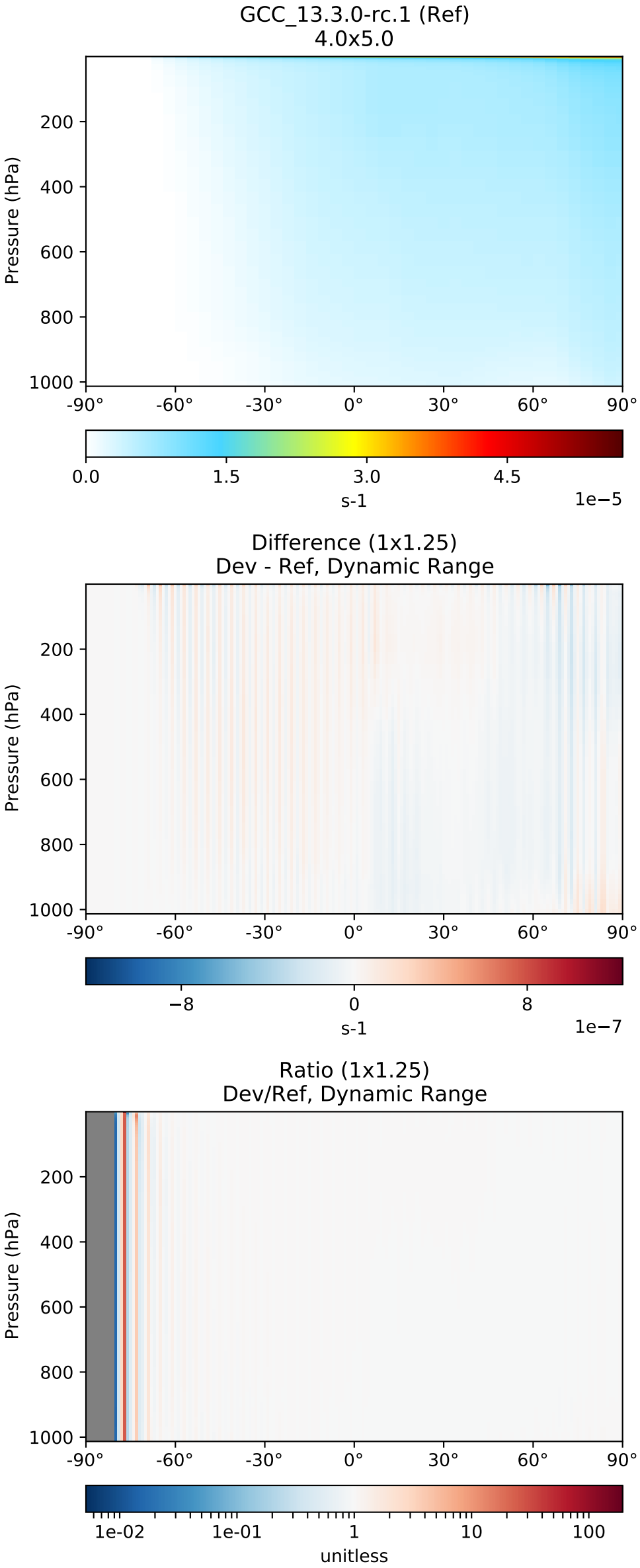


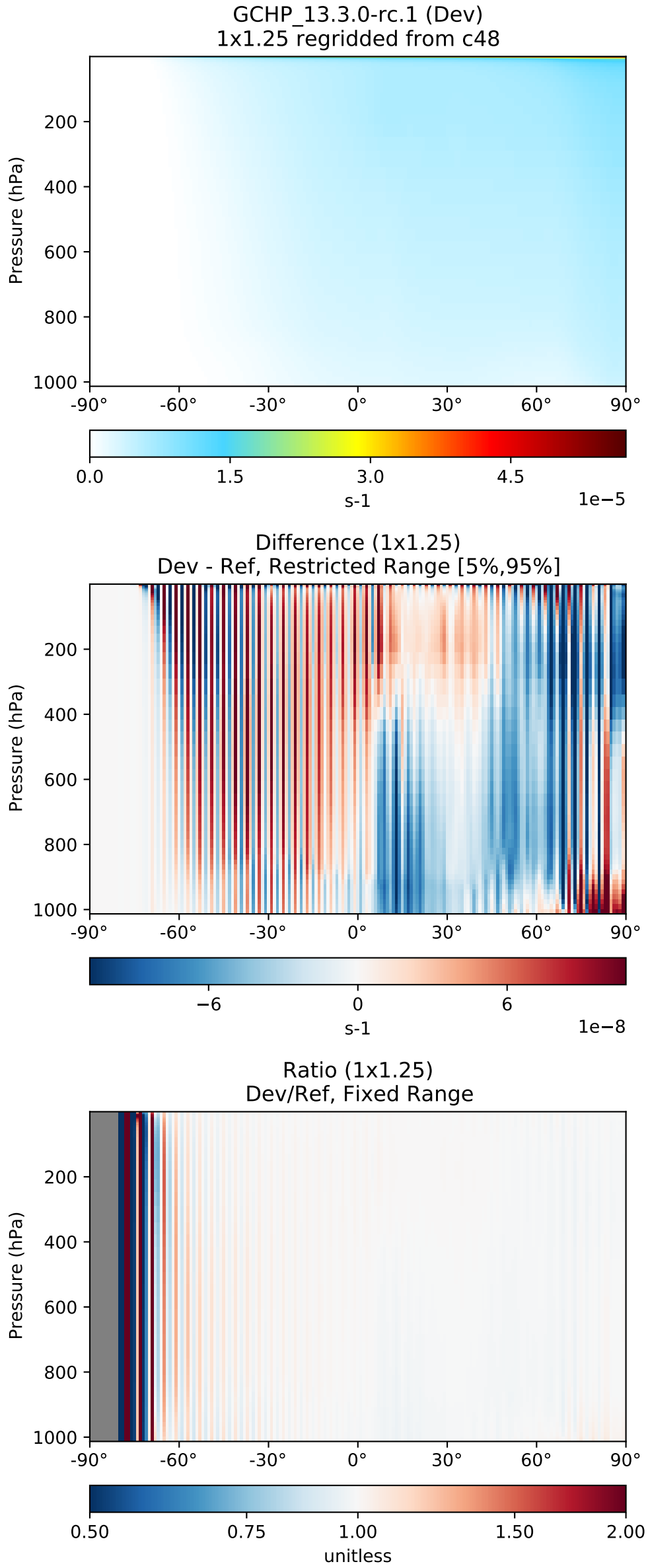
Jval_ITCN, Zonal Mean



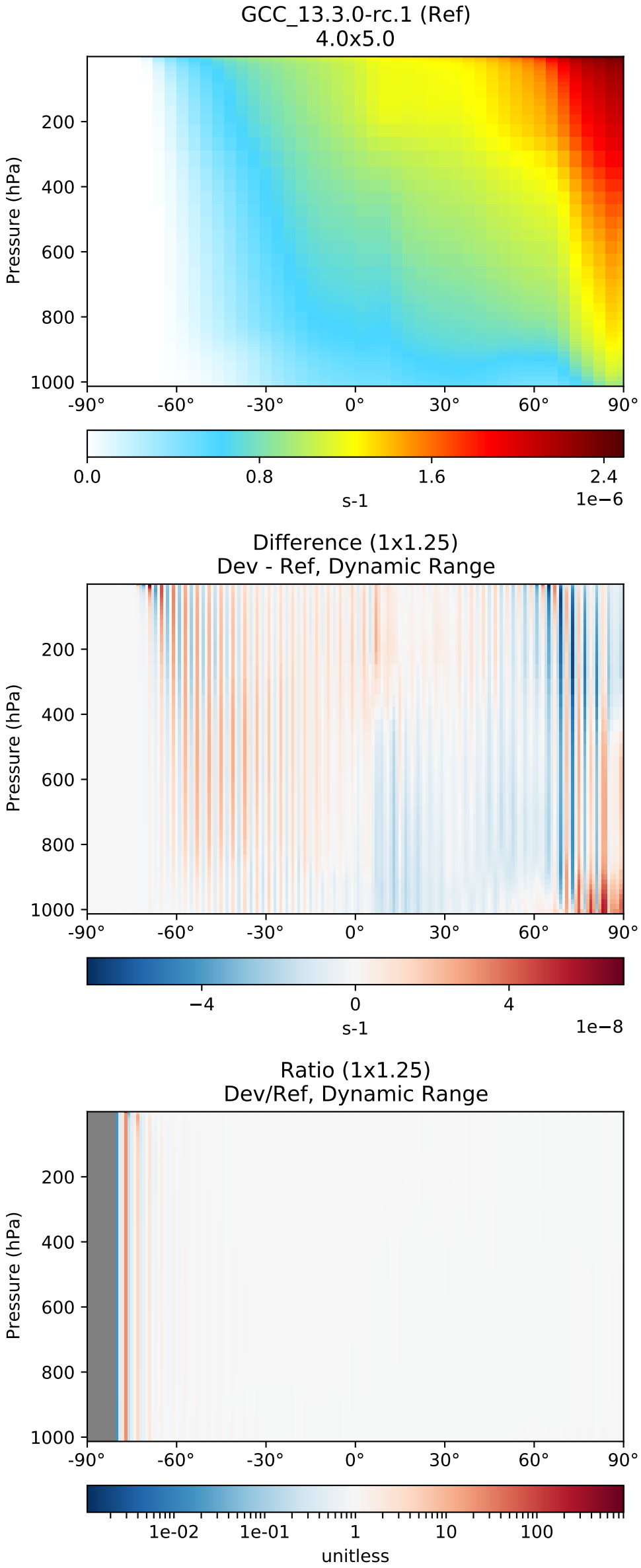


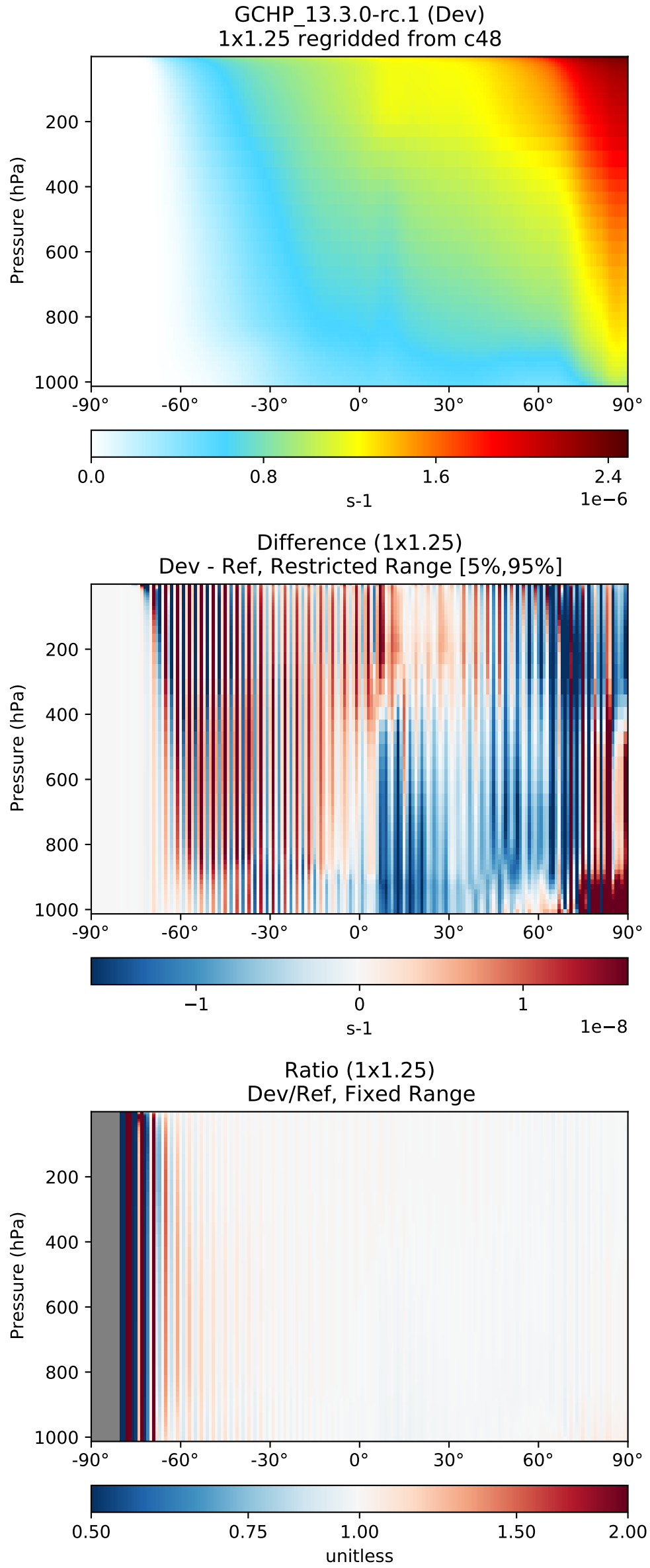
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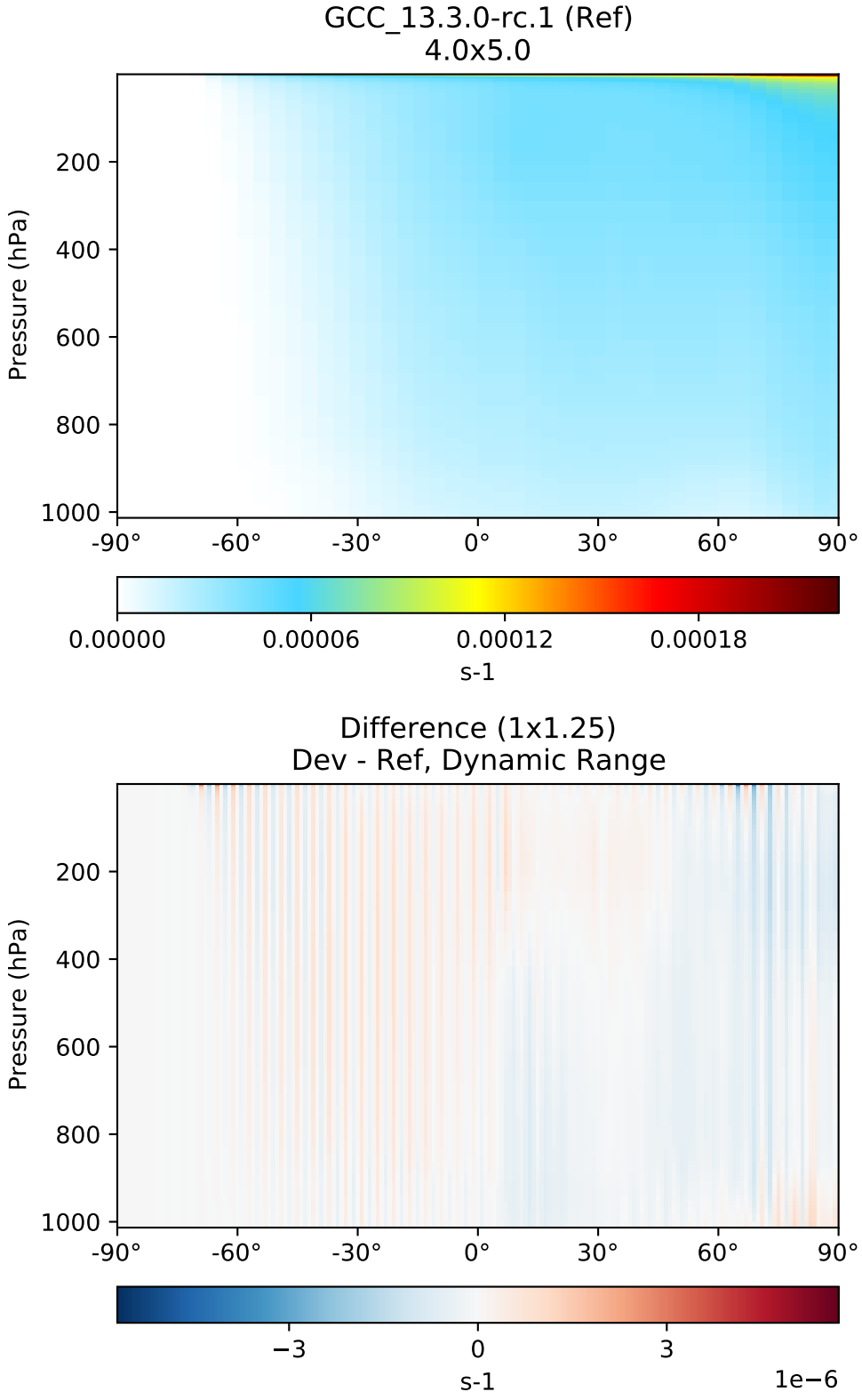


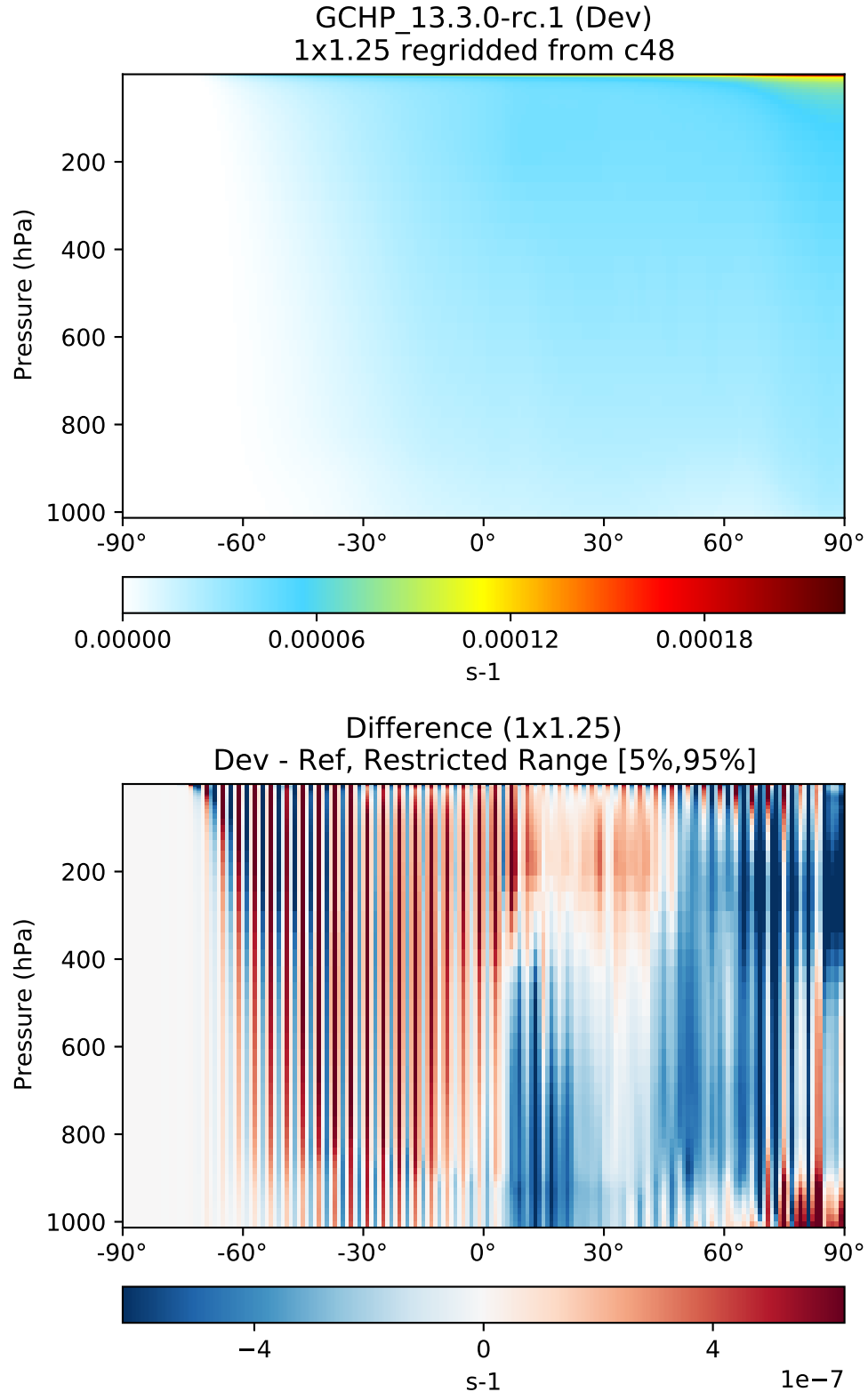
Jval_MACR, Zonal Mean

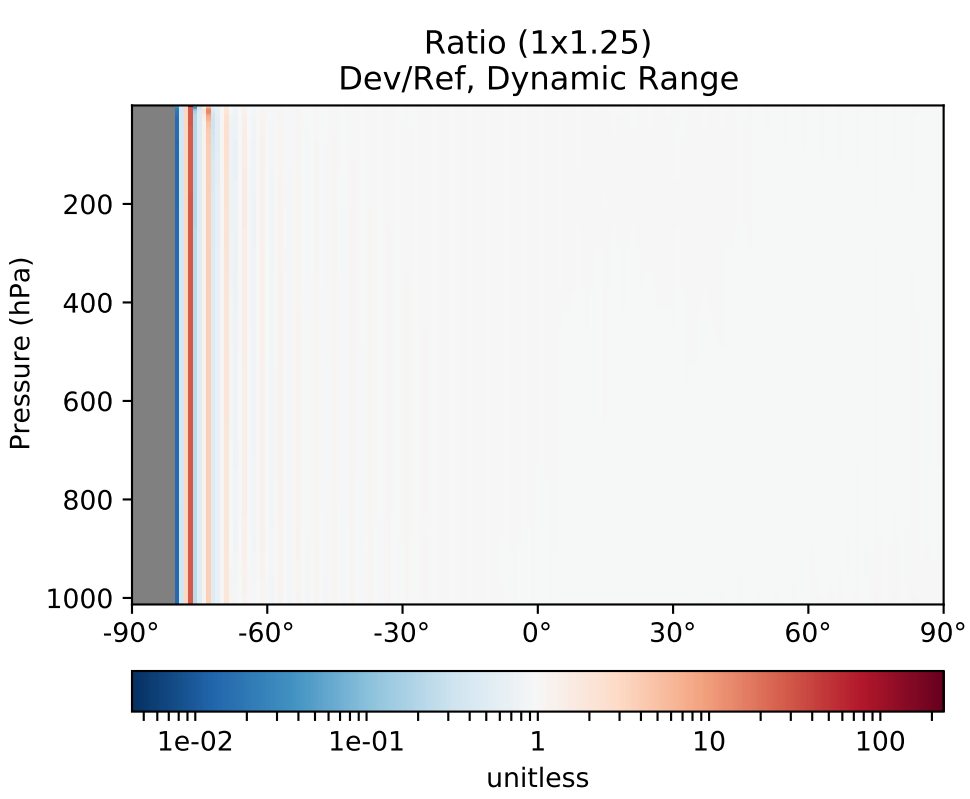


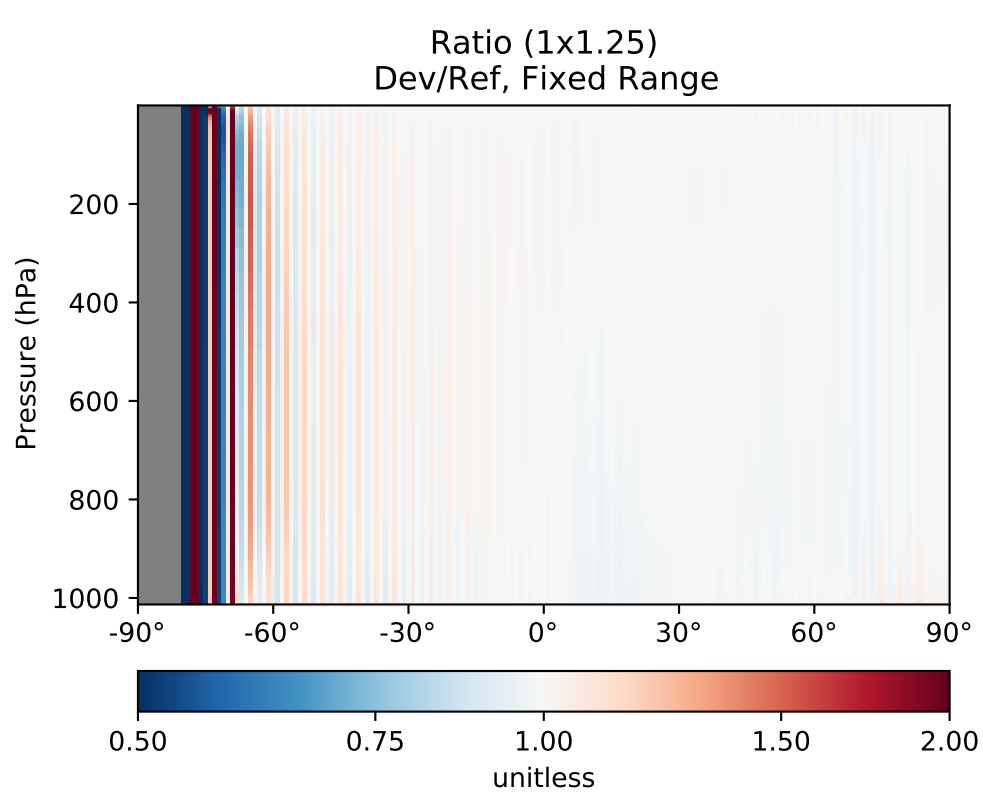


Jval_MACR1OOH, Zonal Mean

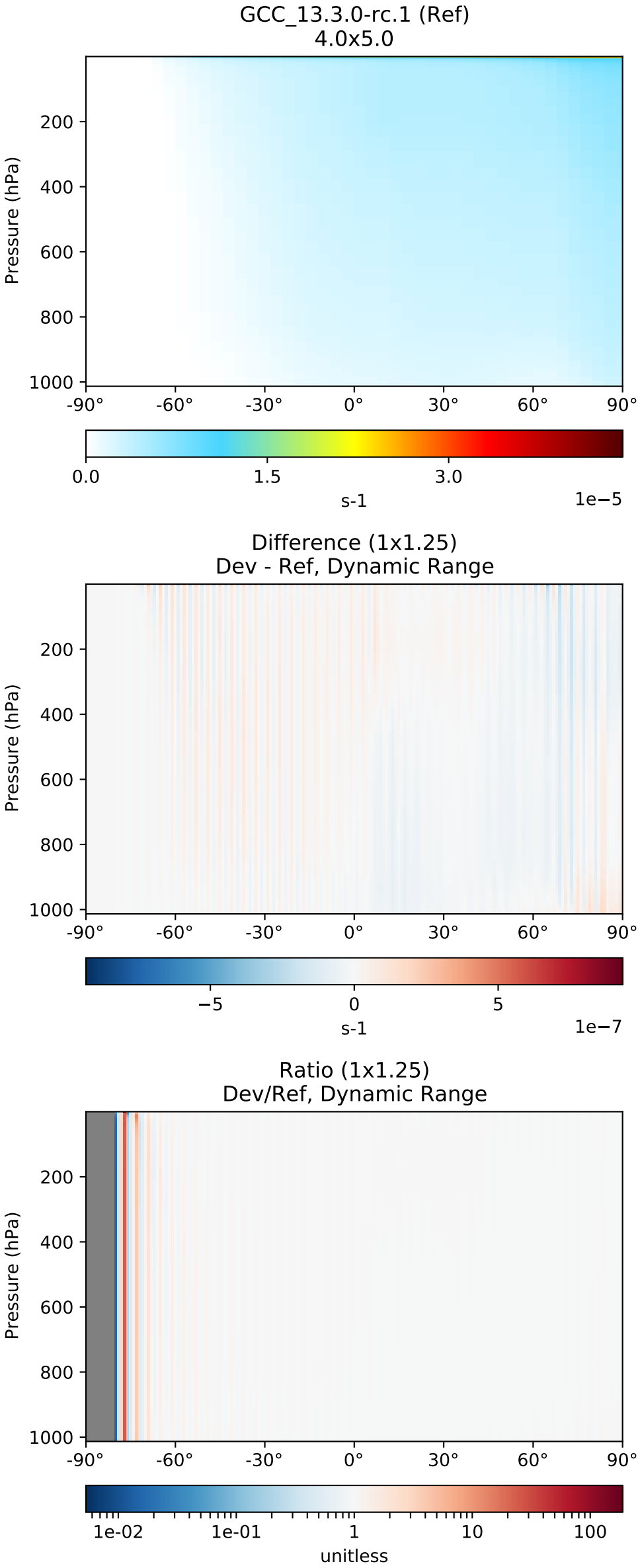


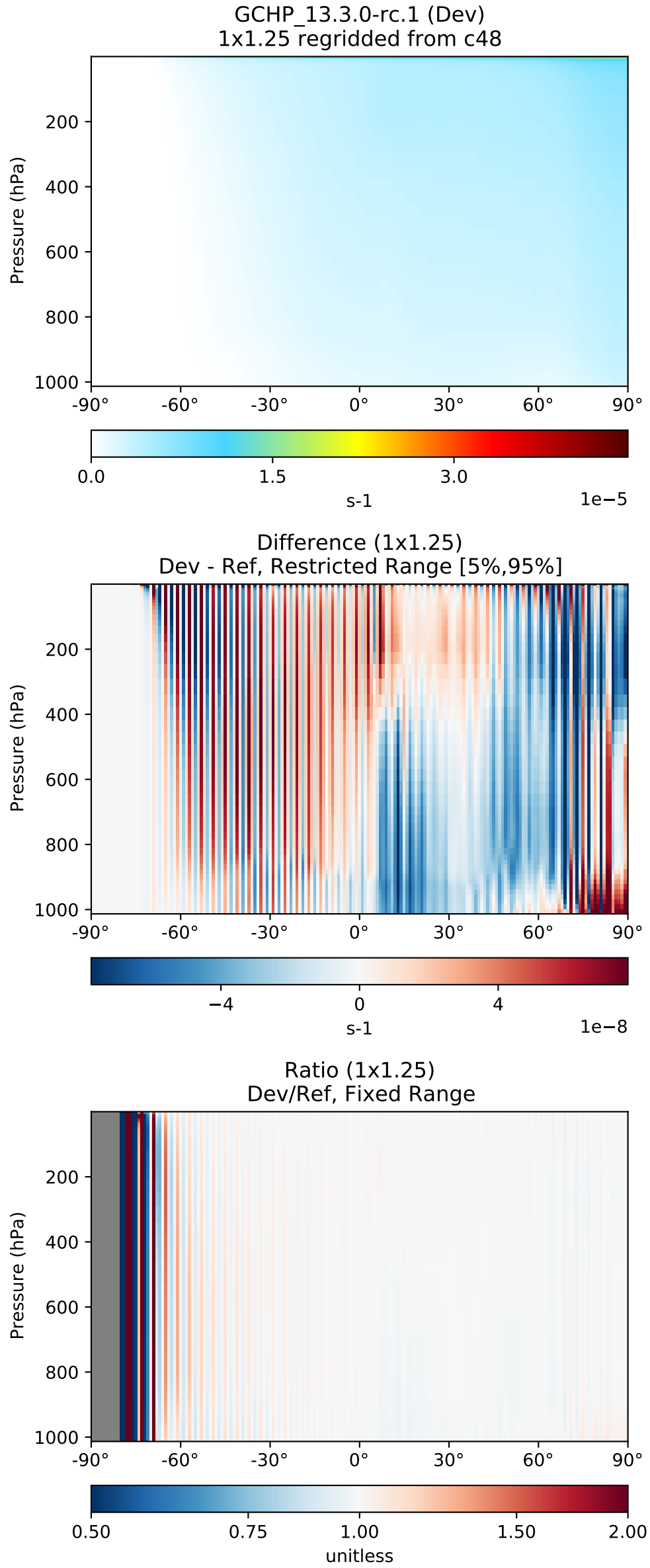




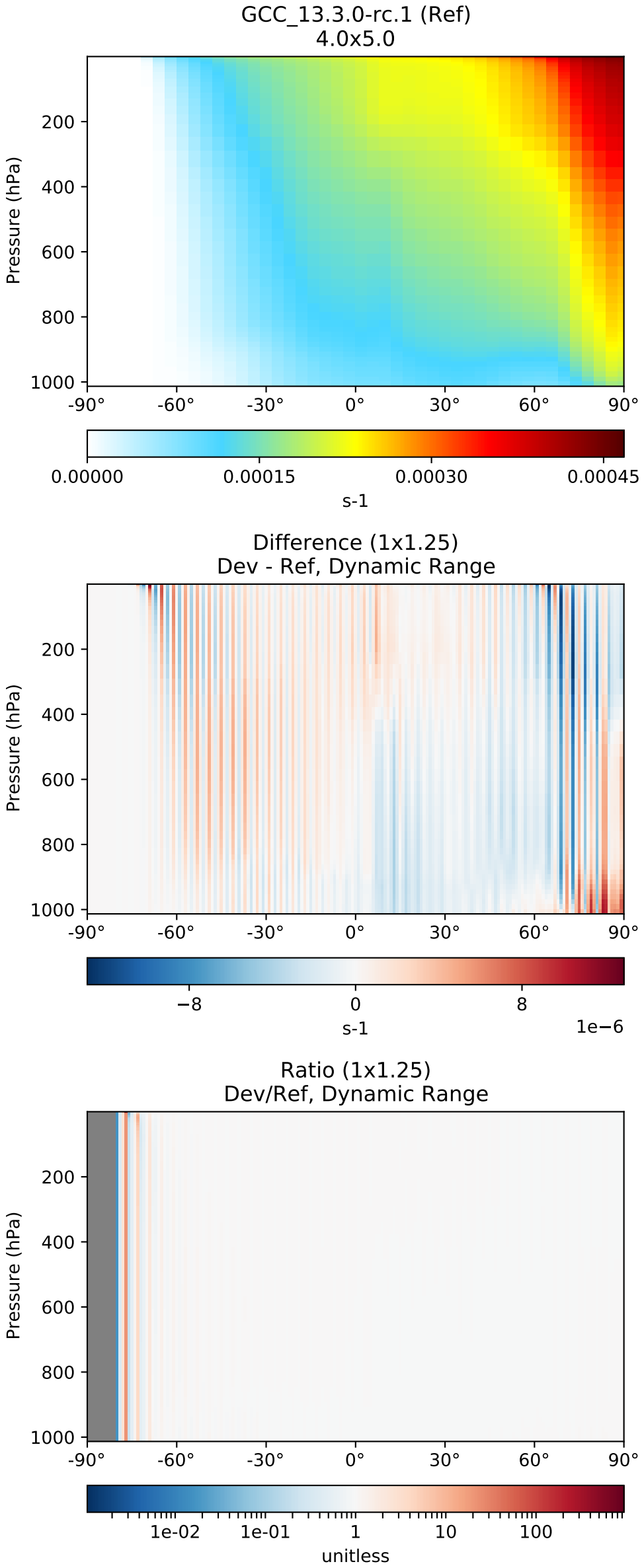


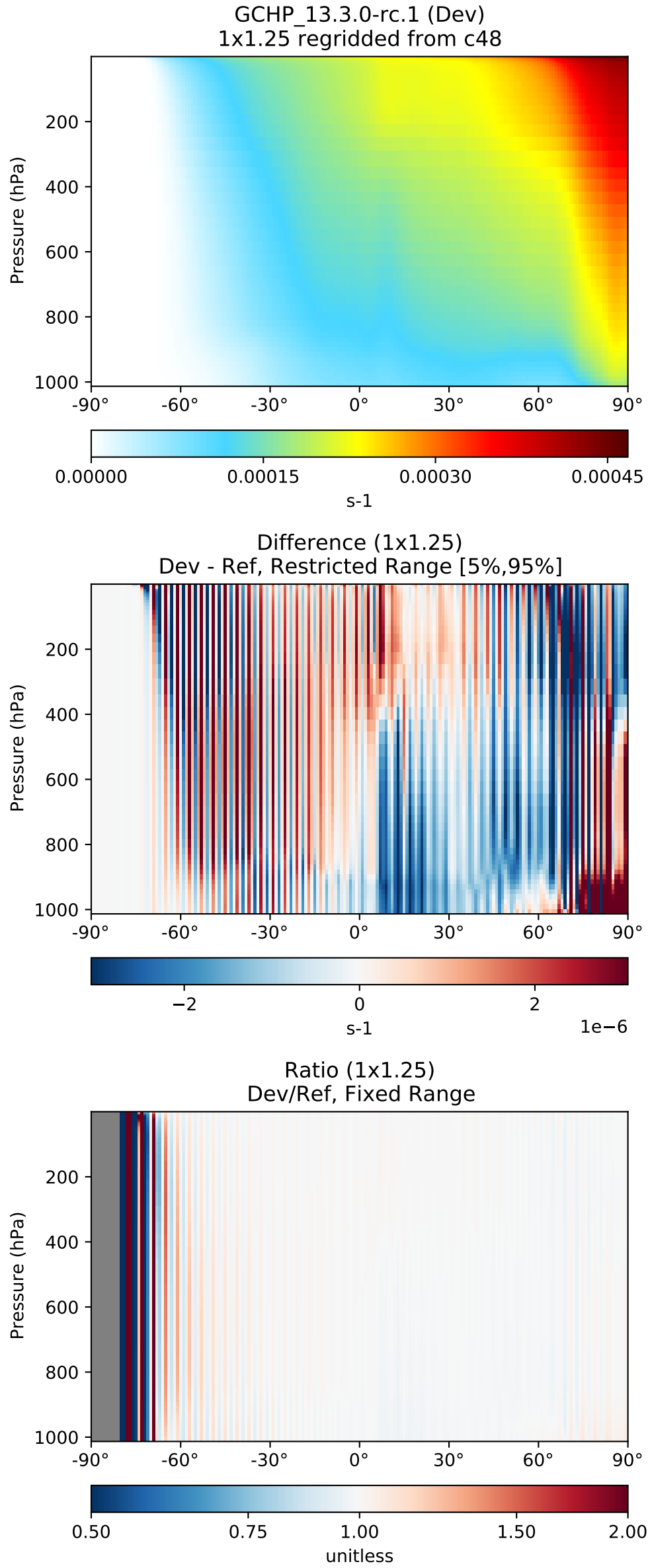
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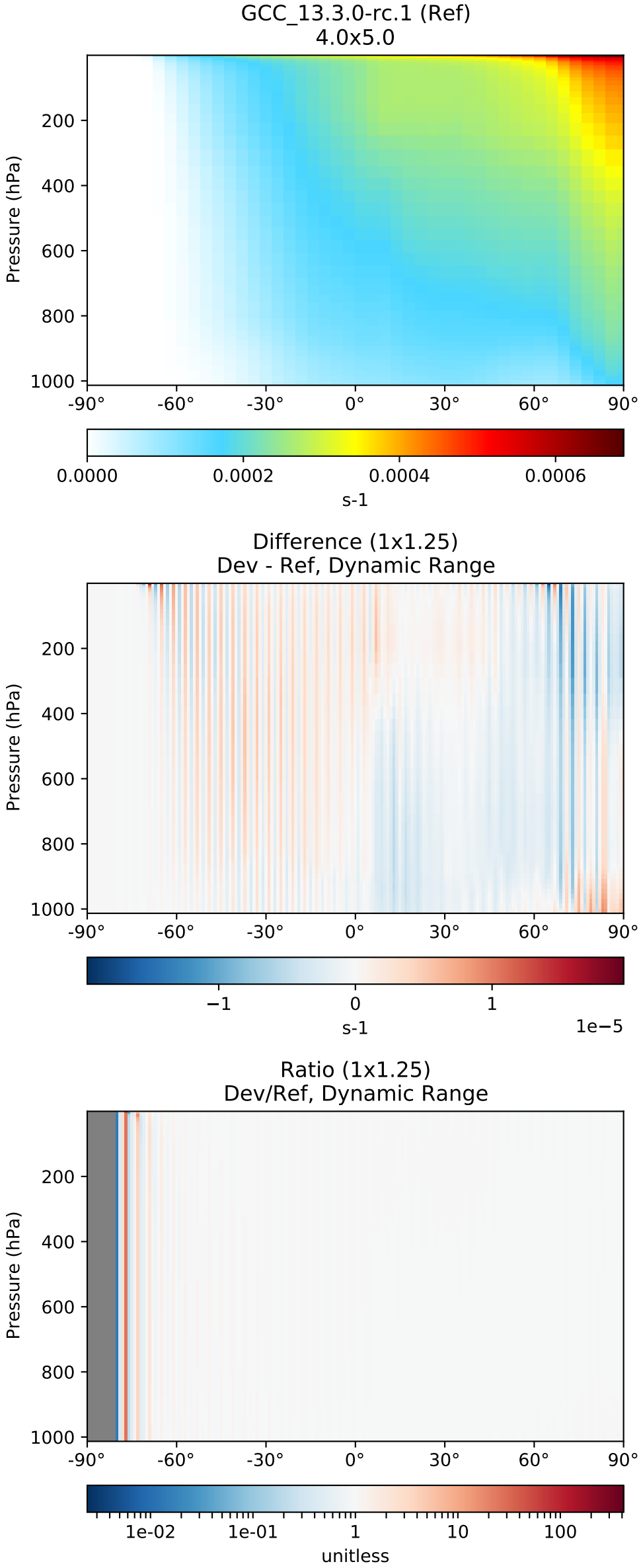


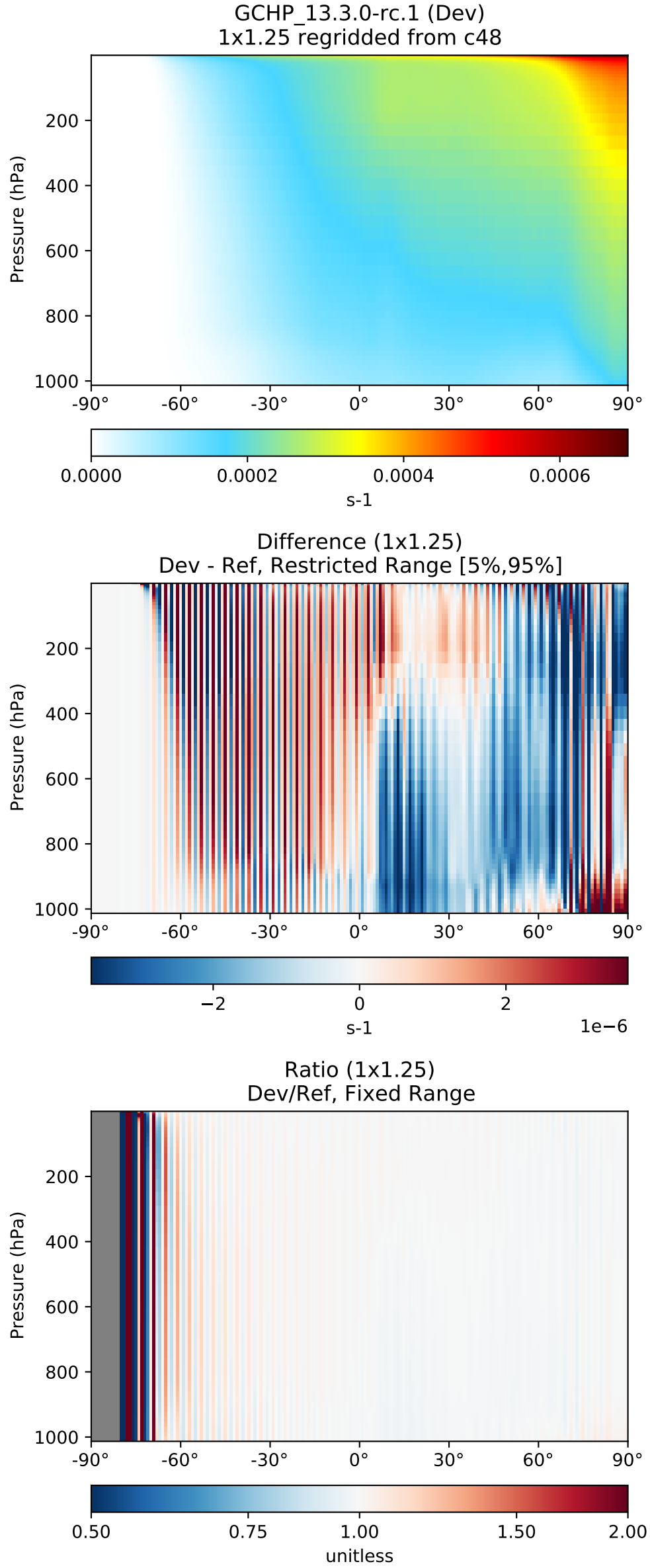
Jval_MCRENOL, Zonal Mean



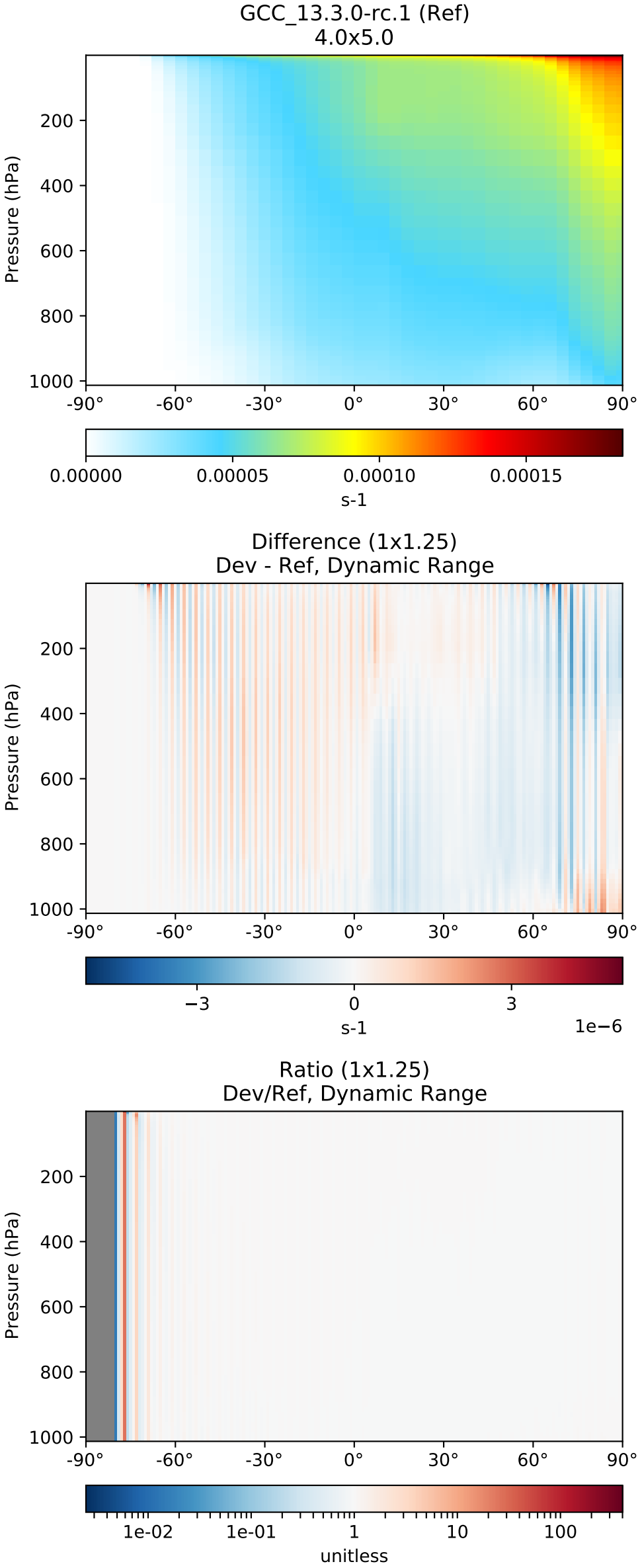


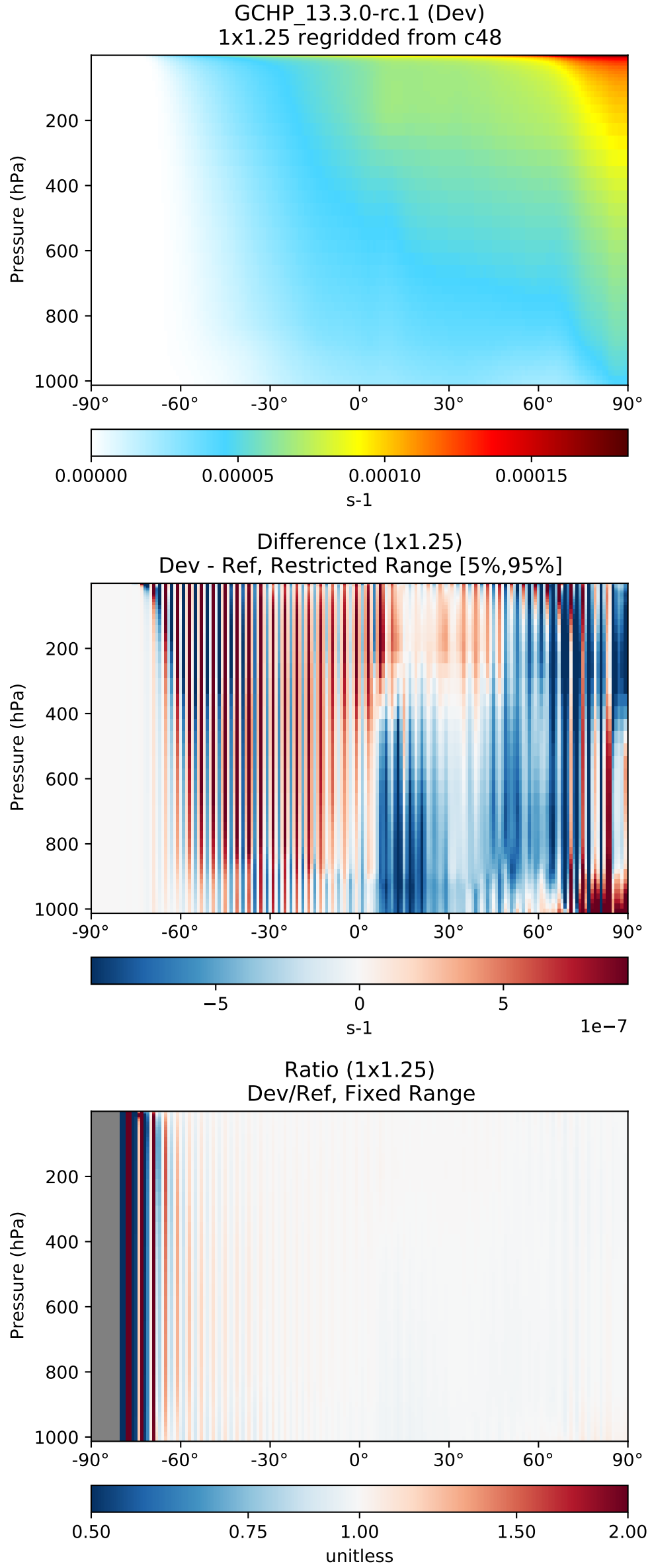
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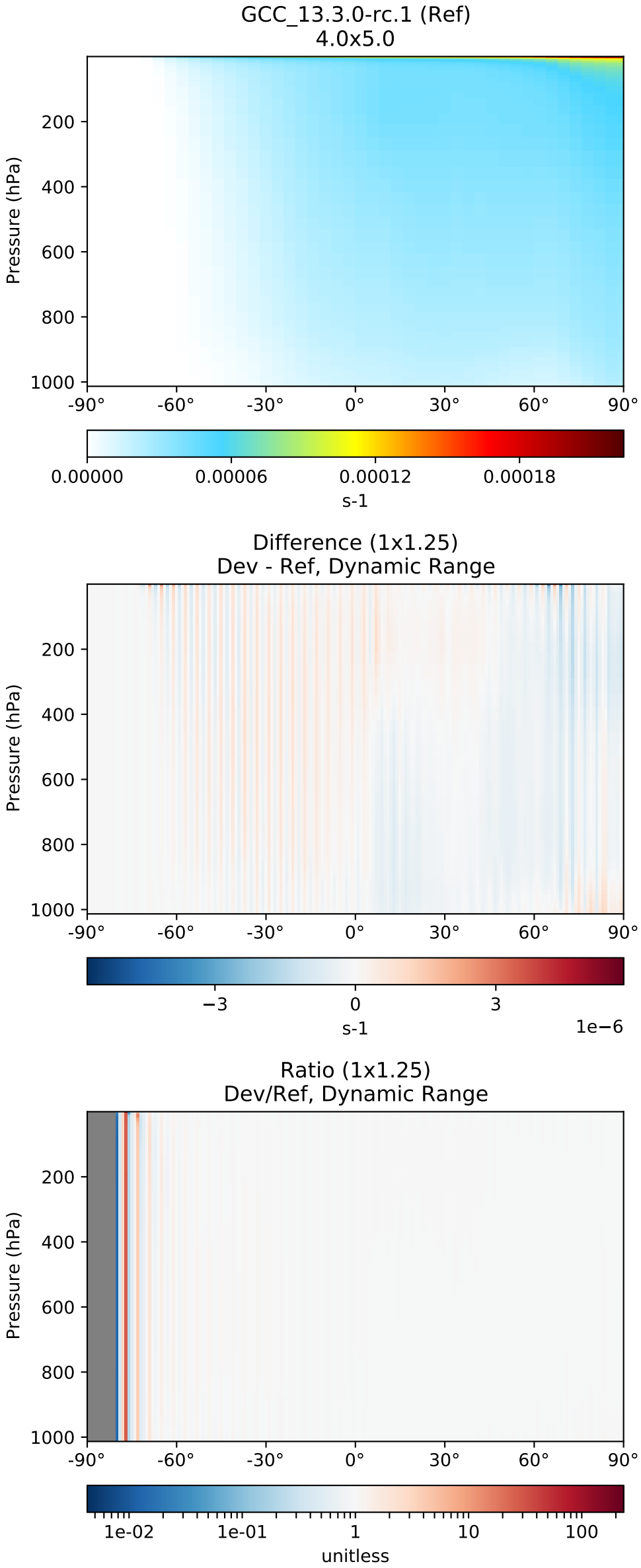


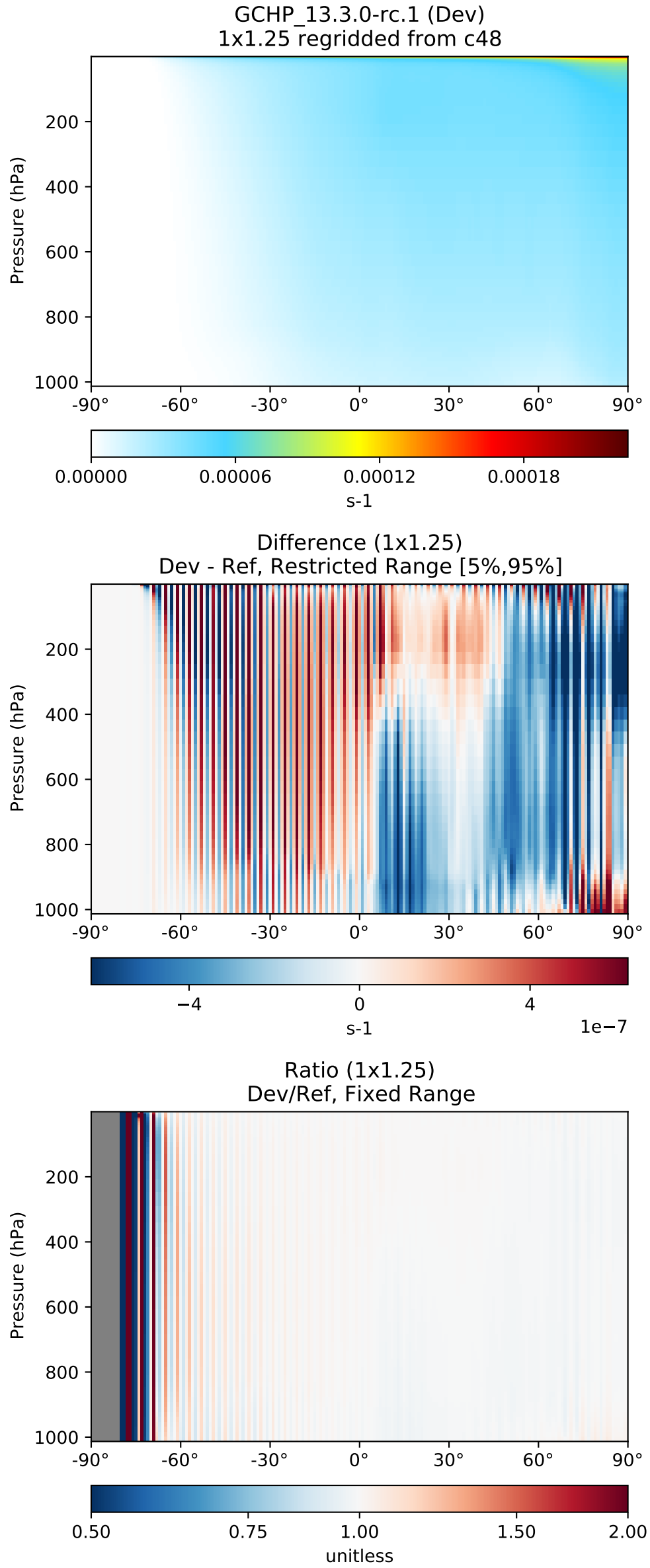
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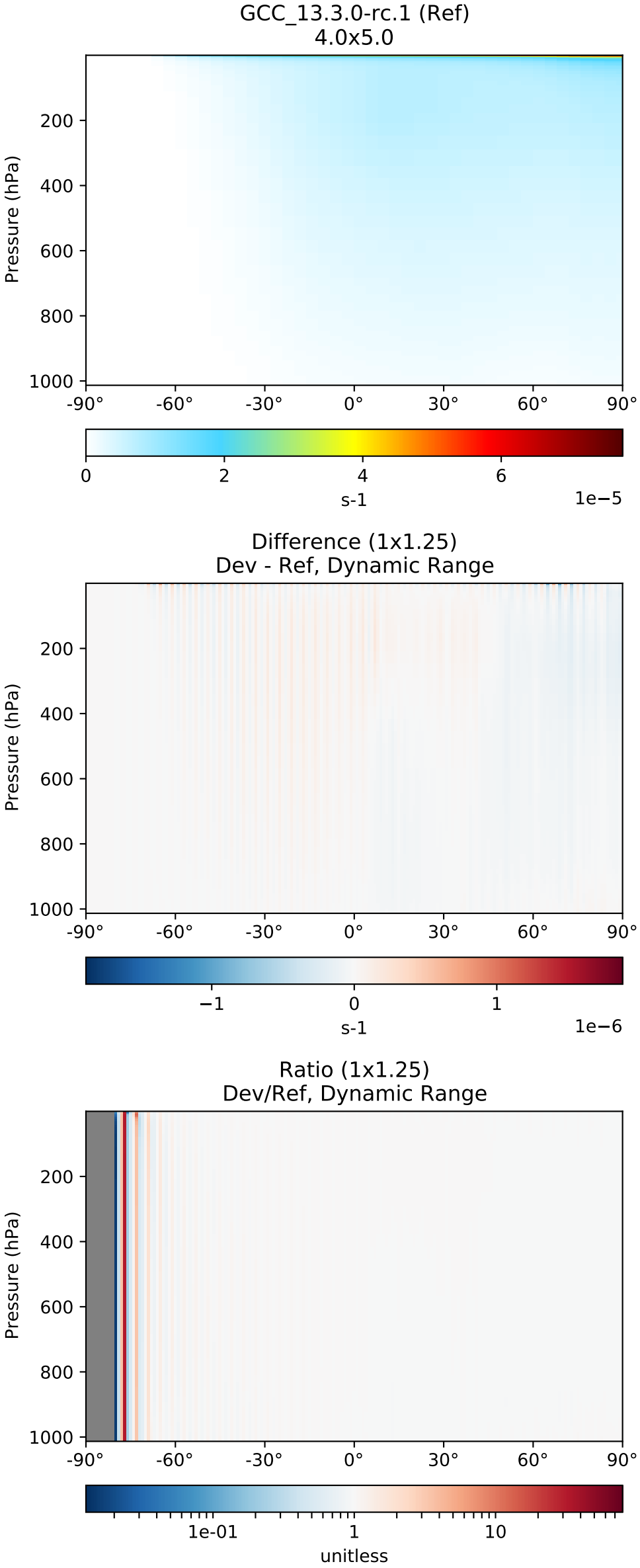


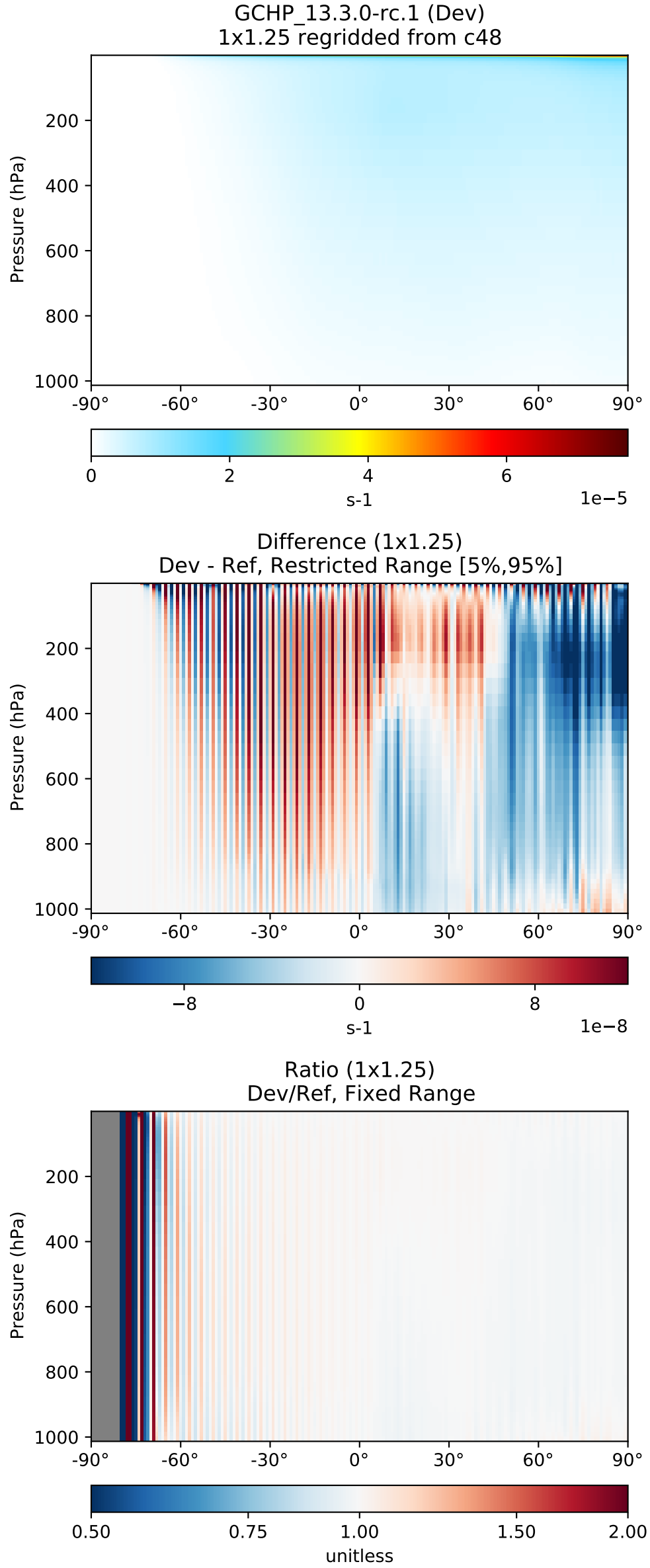
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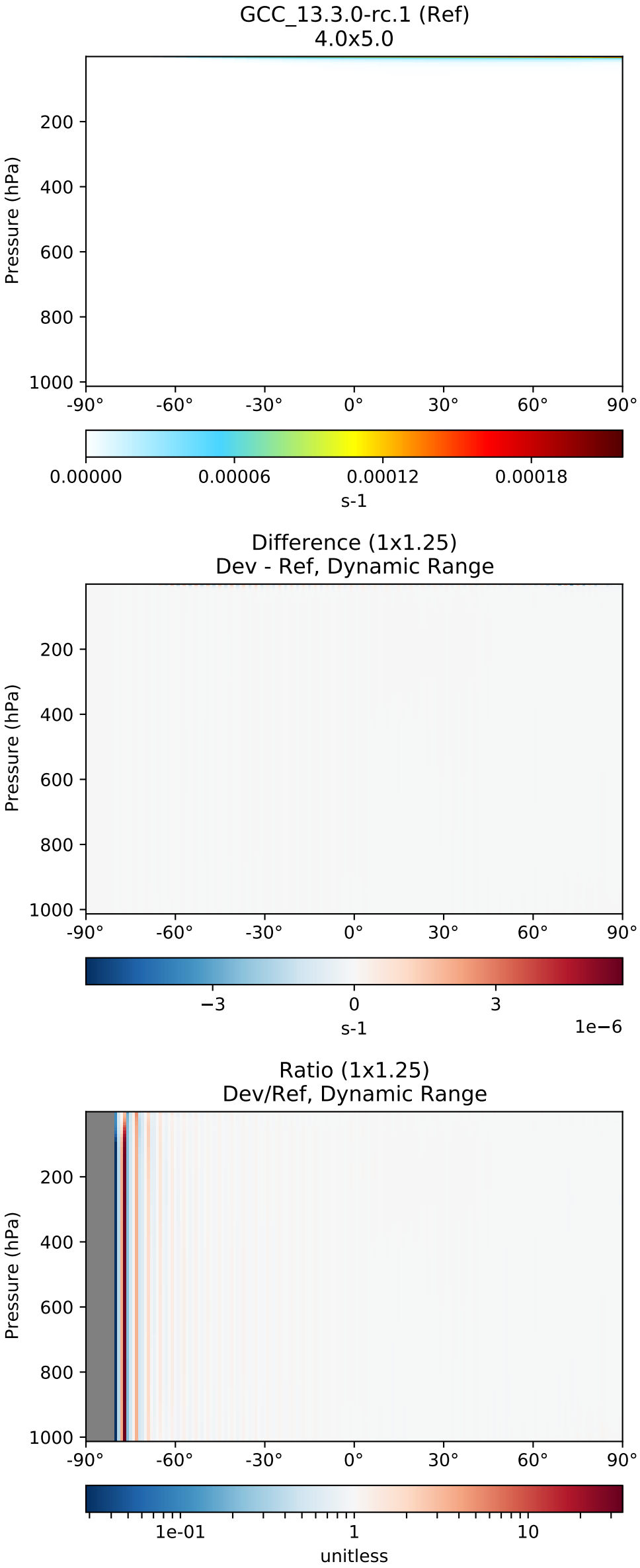


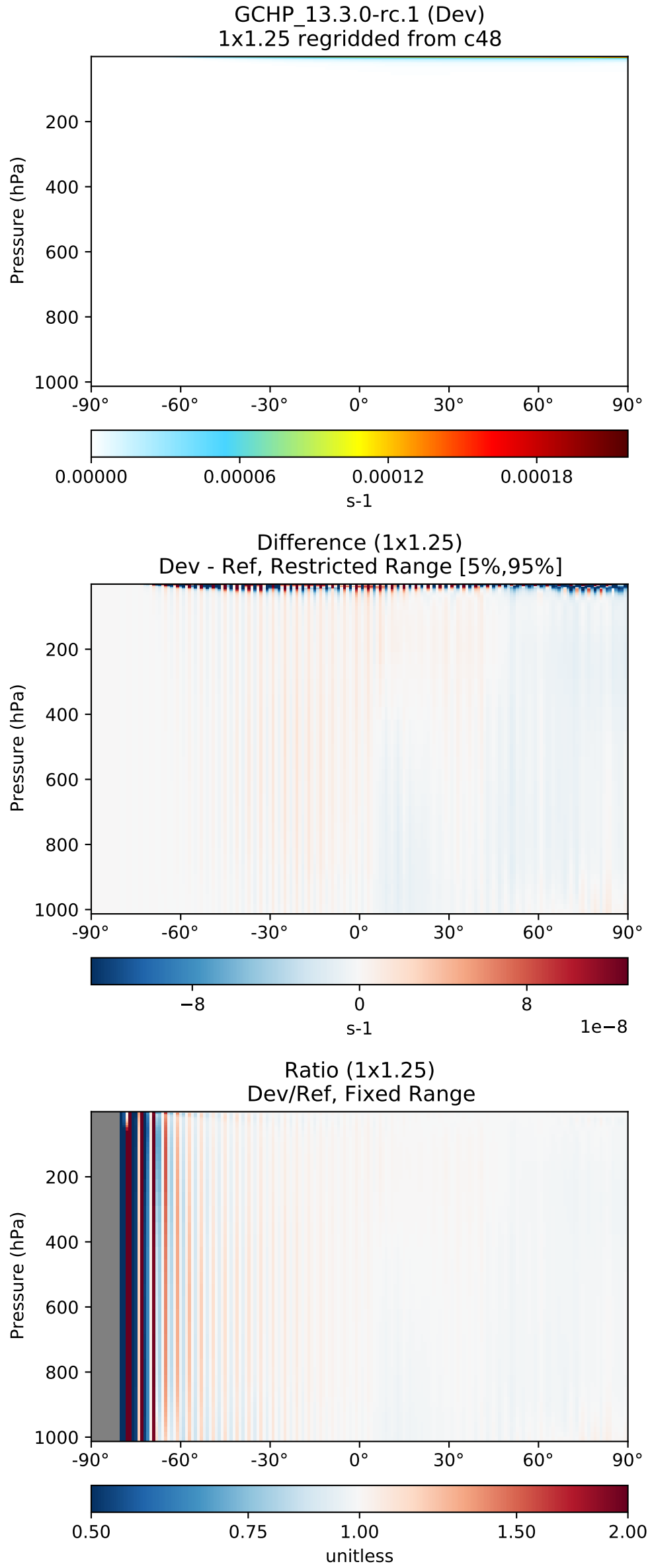
Jval_MEK, Zonal Mean



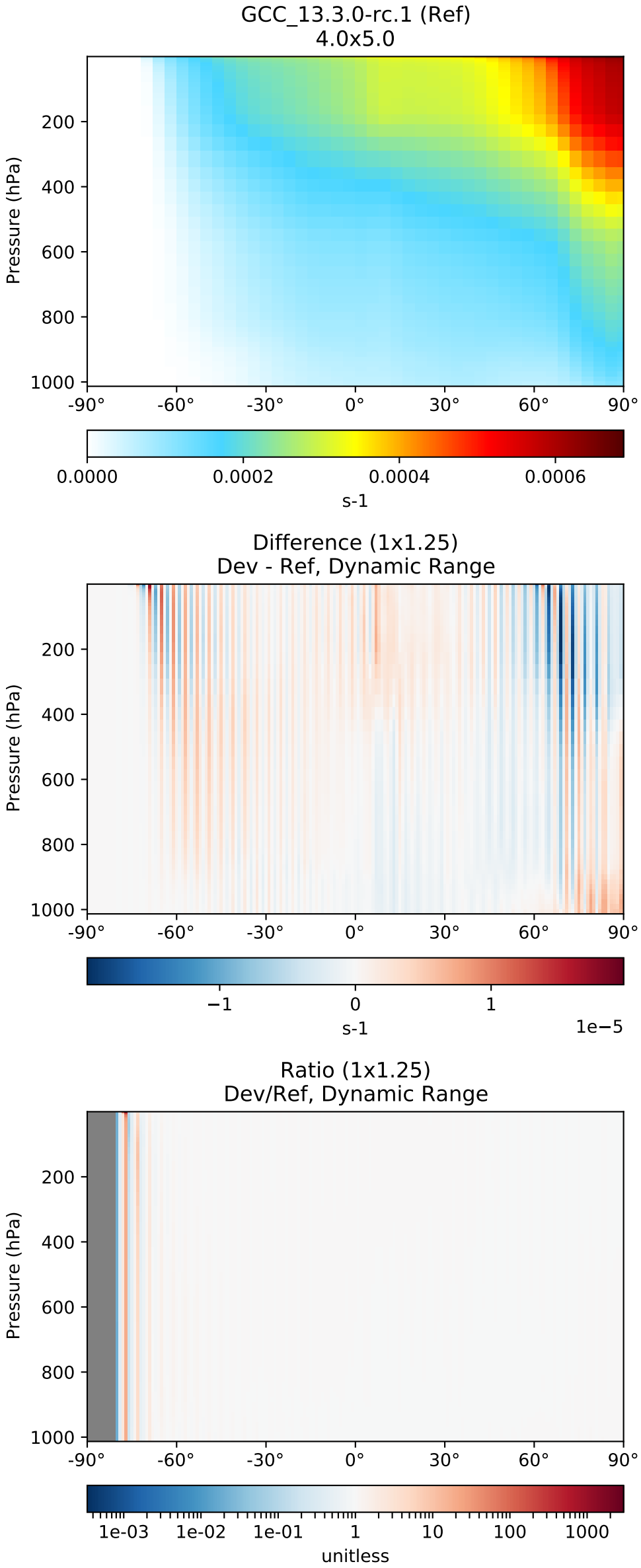


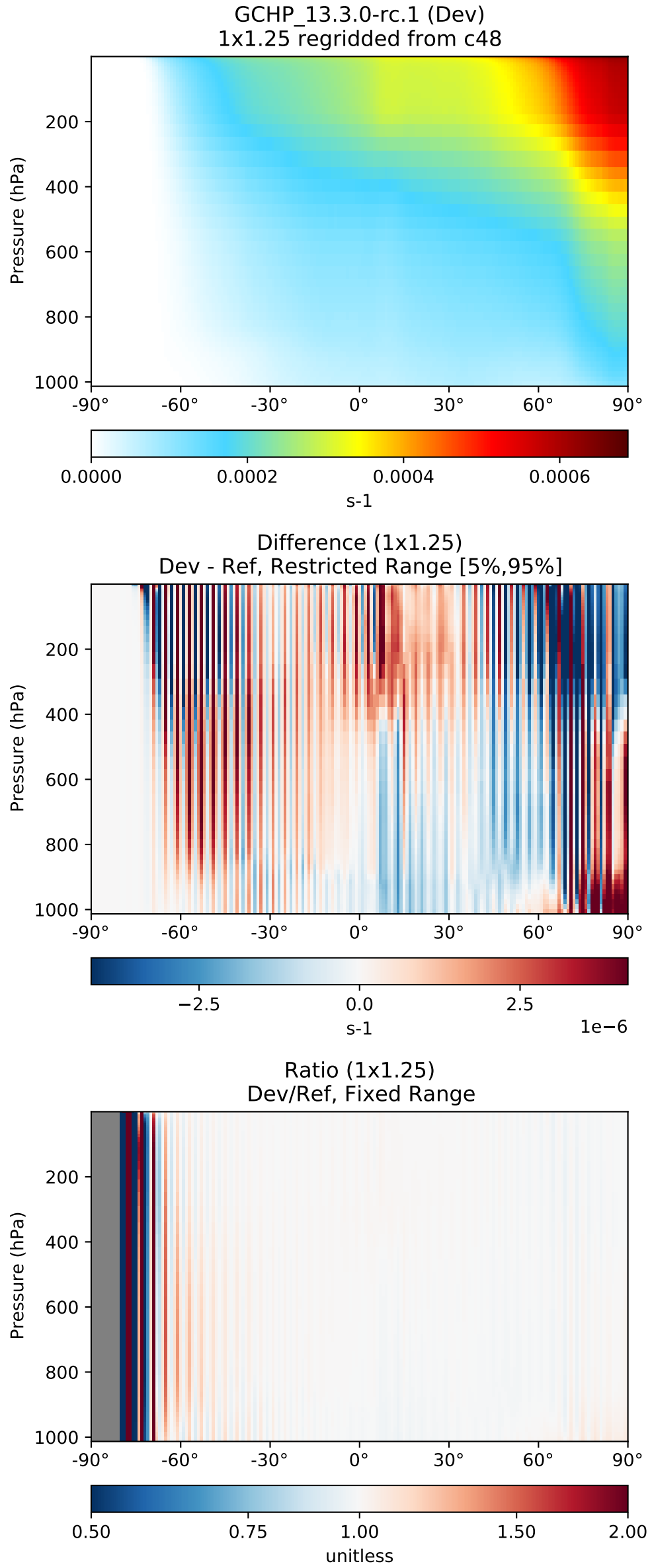
Jval_MENO3, Zonal Mean



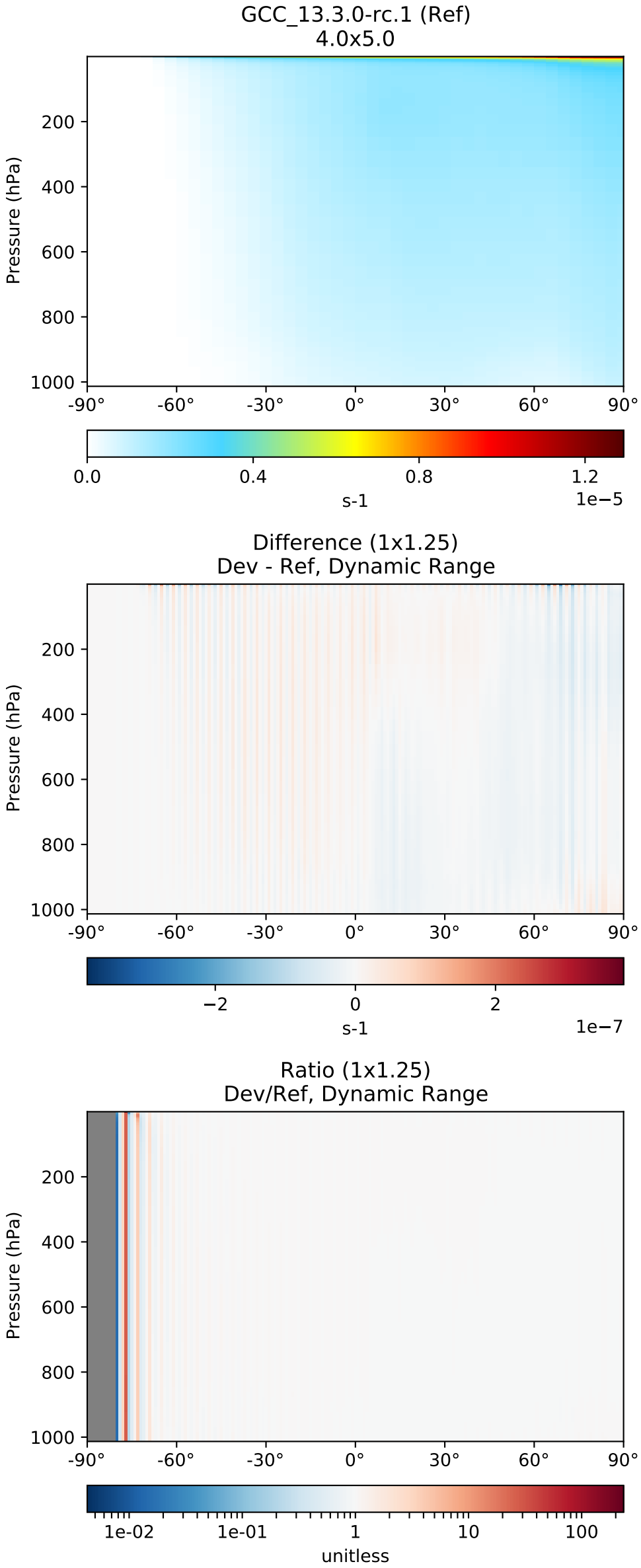


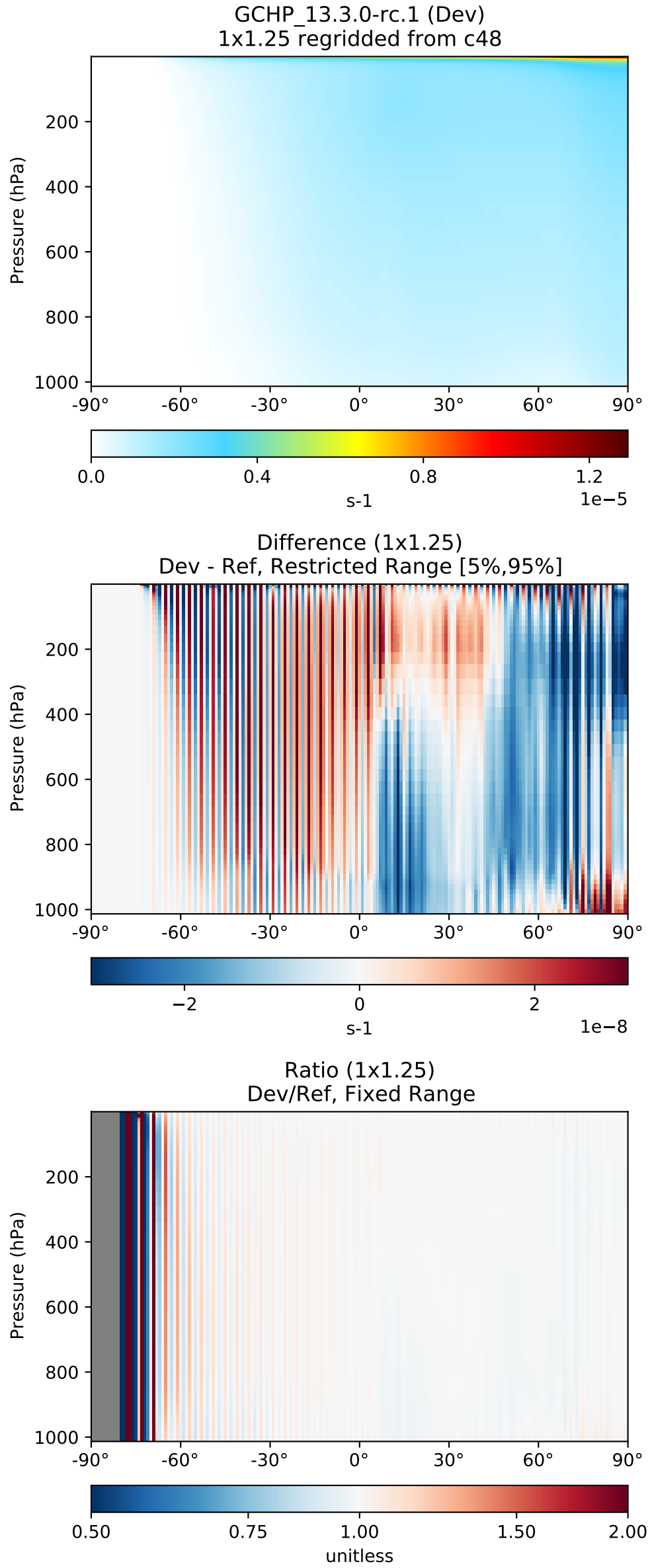
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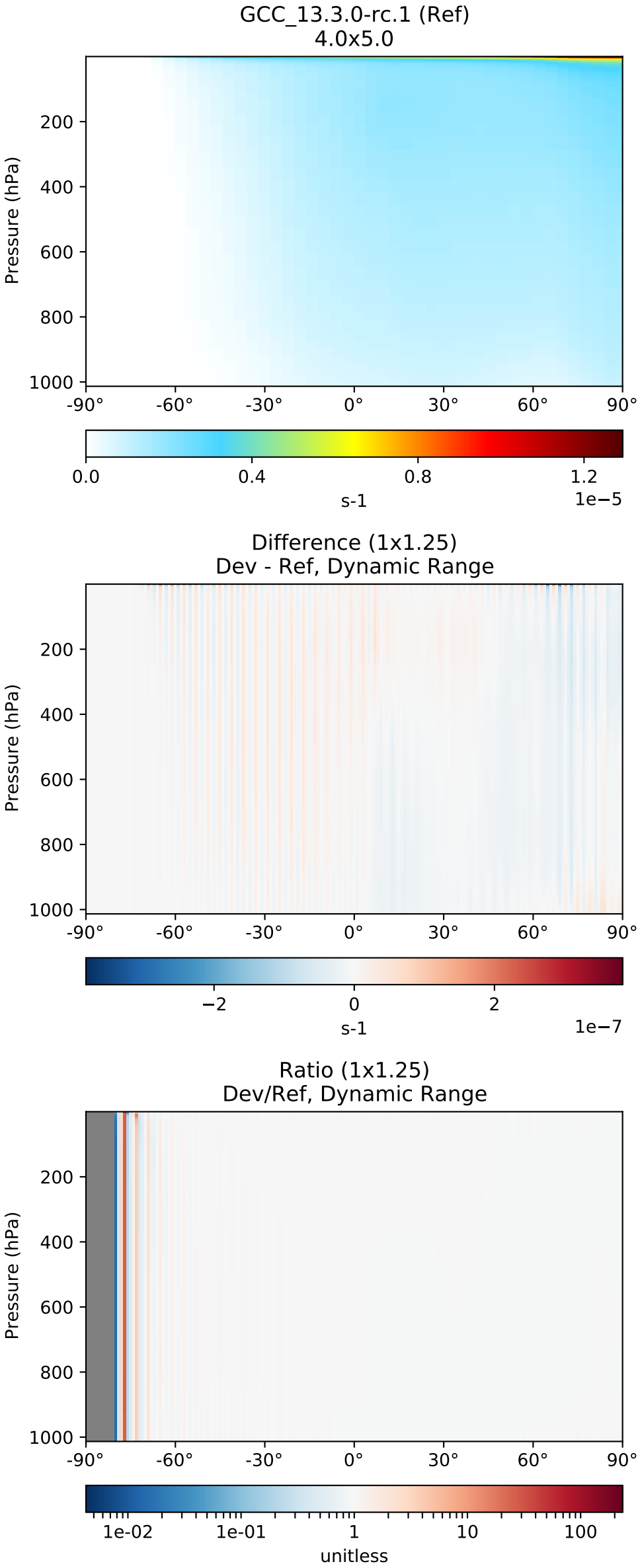


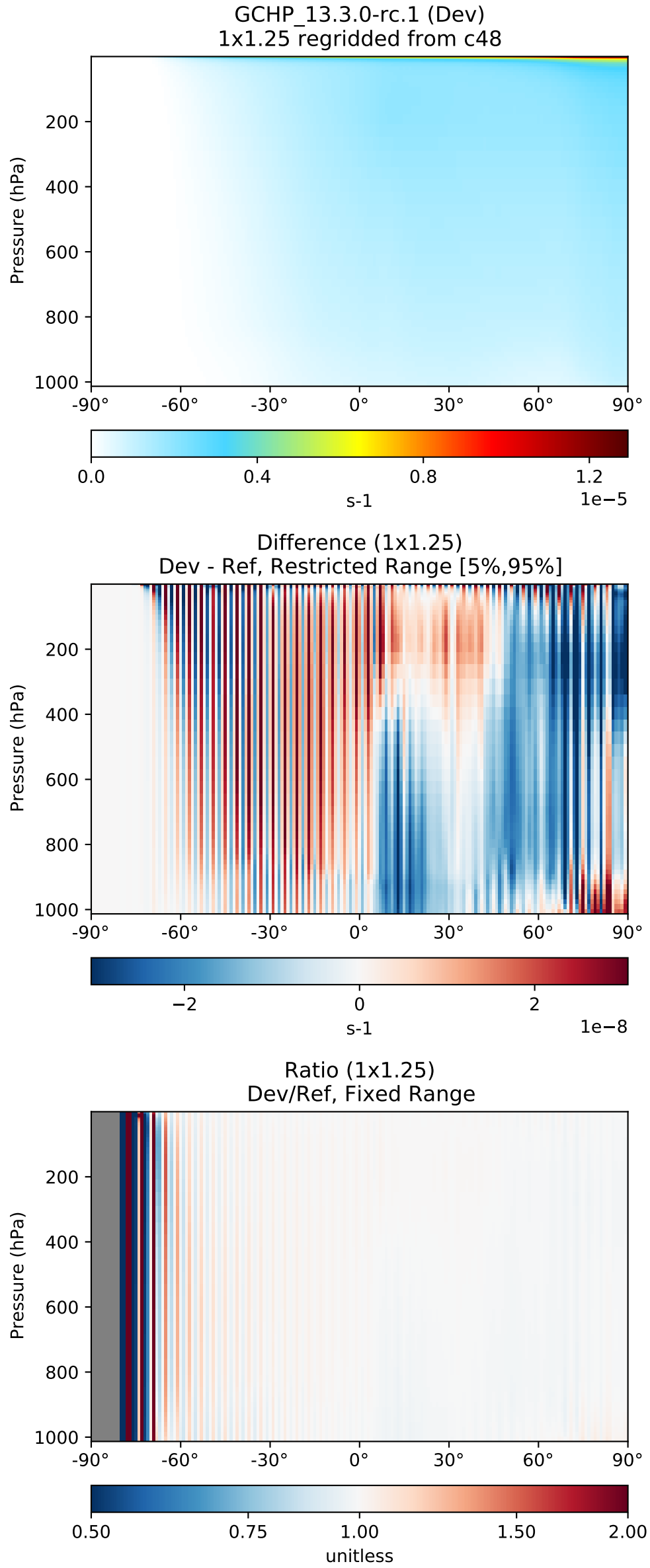
Jval_MONITS, Zonal Mean



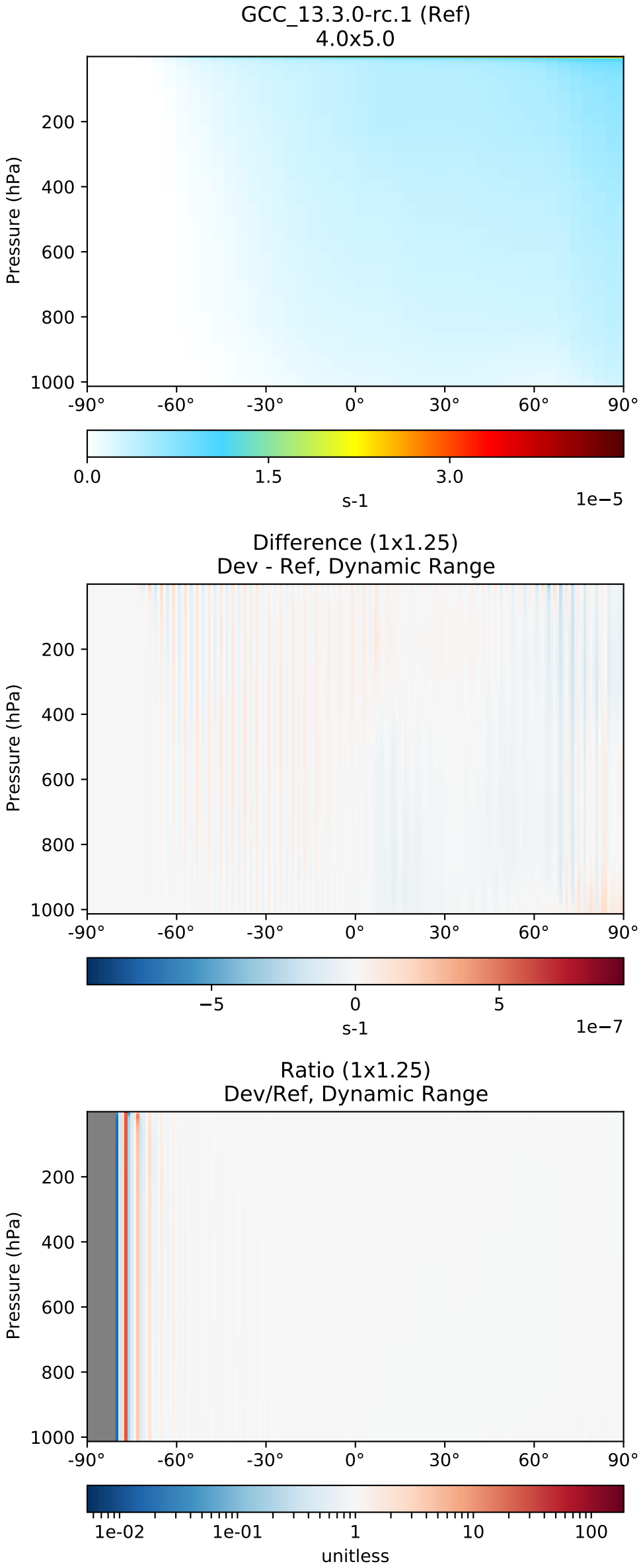


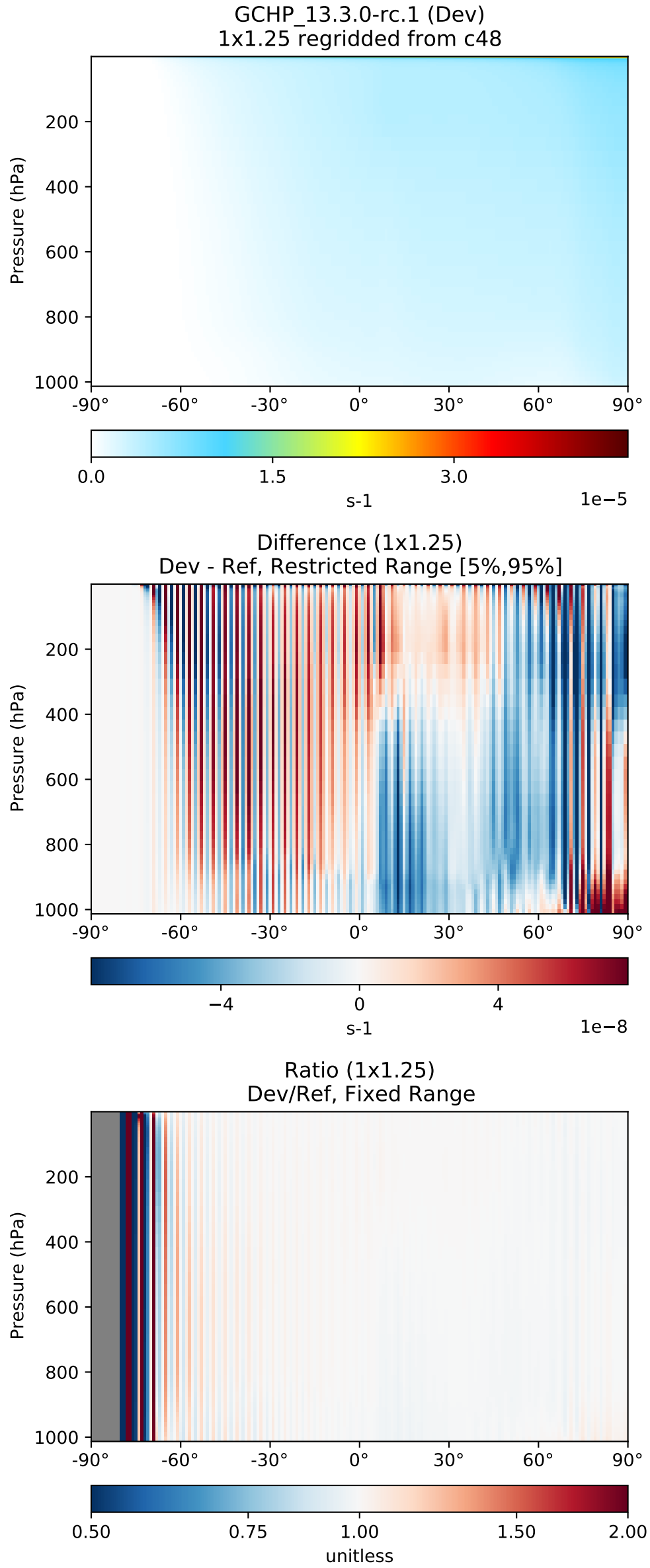
Jval_MONITU, Zonal Mean



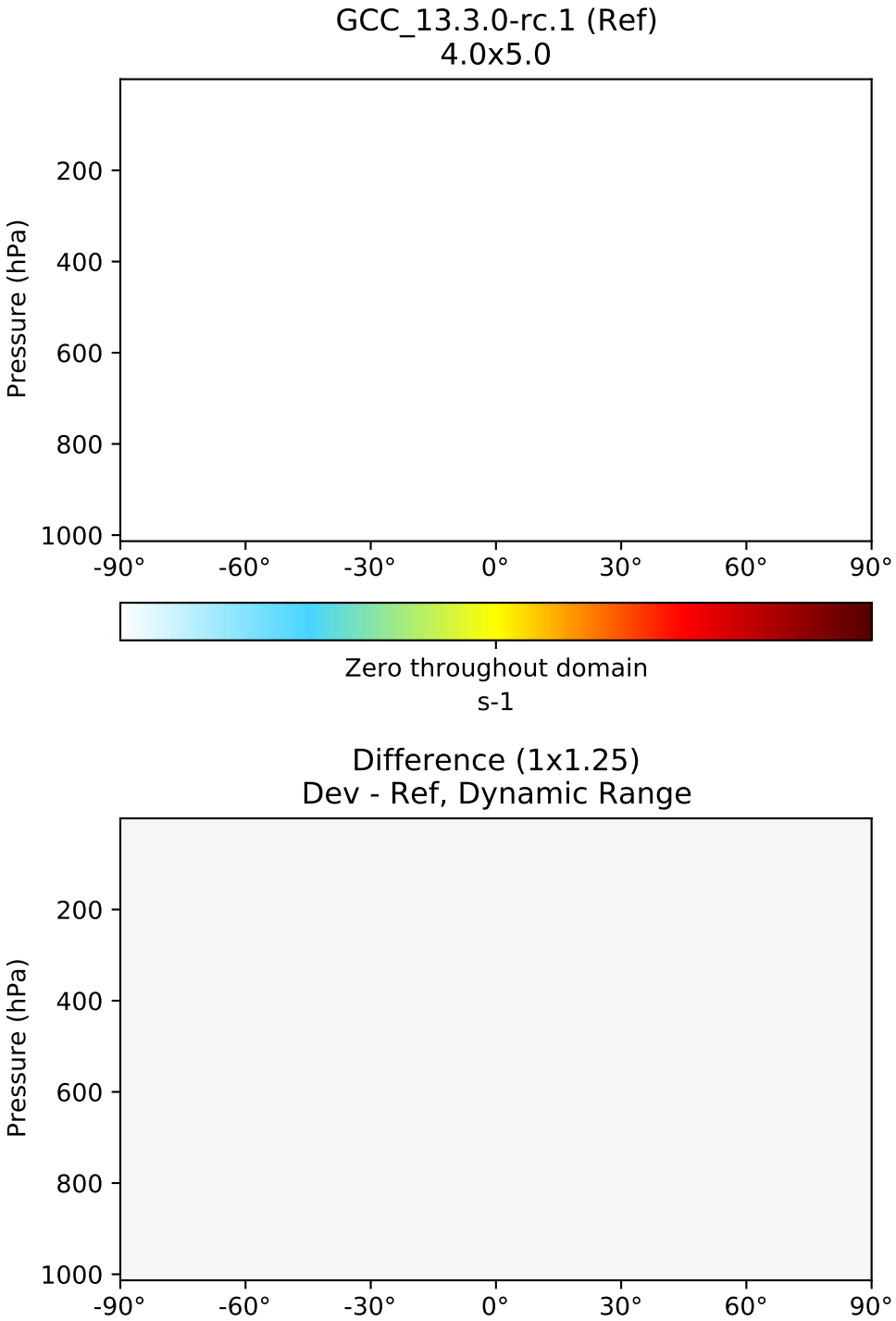


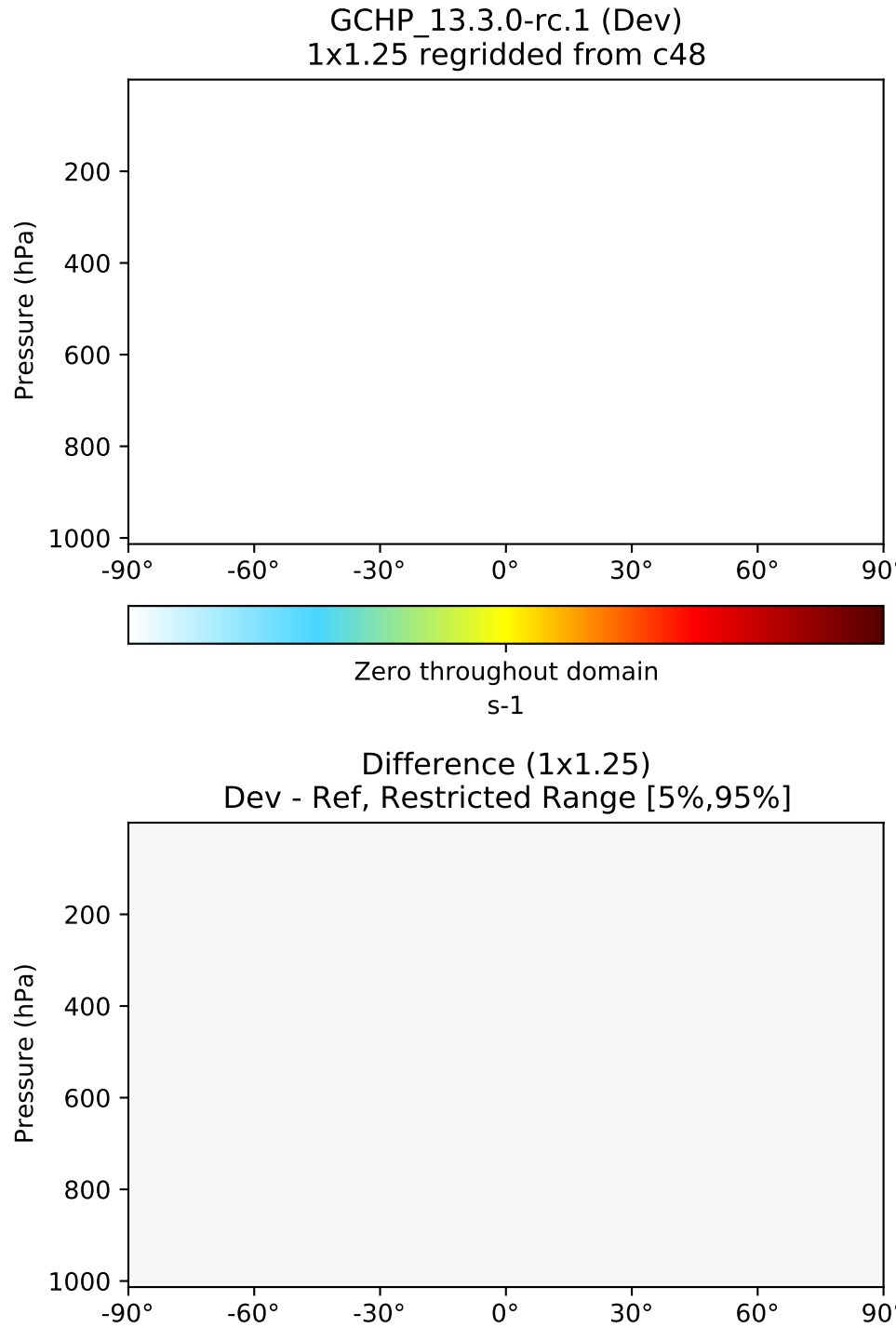
Jval_MP, Zonal Mean

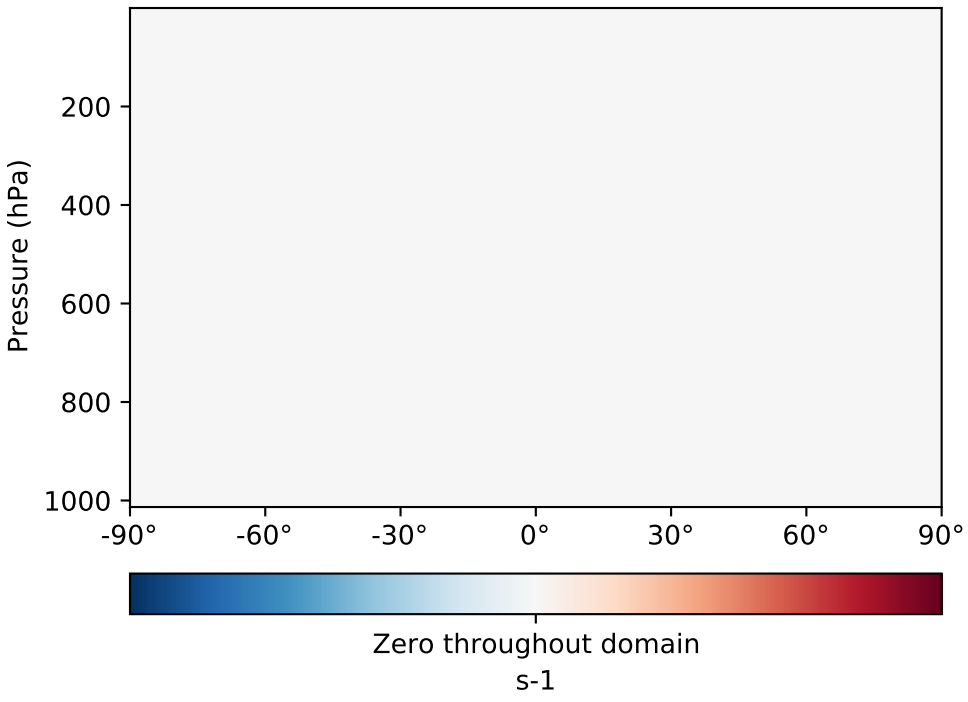


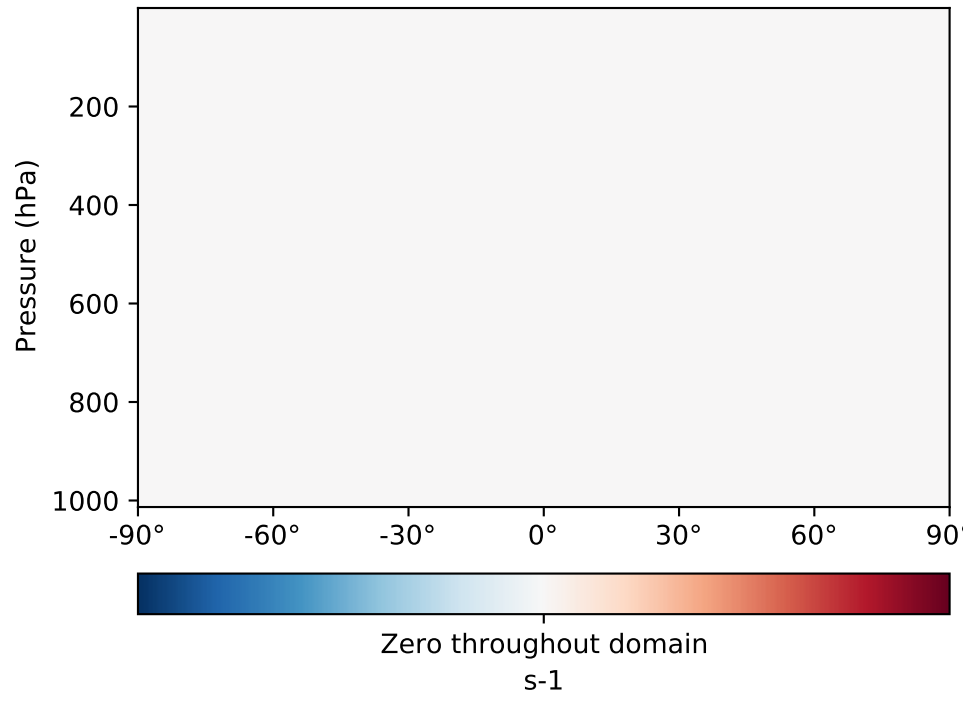


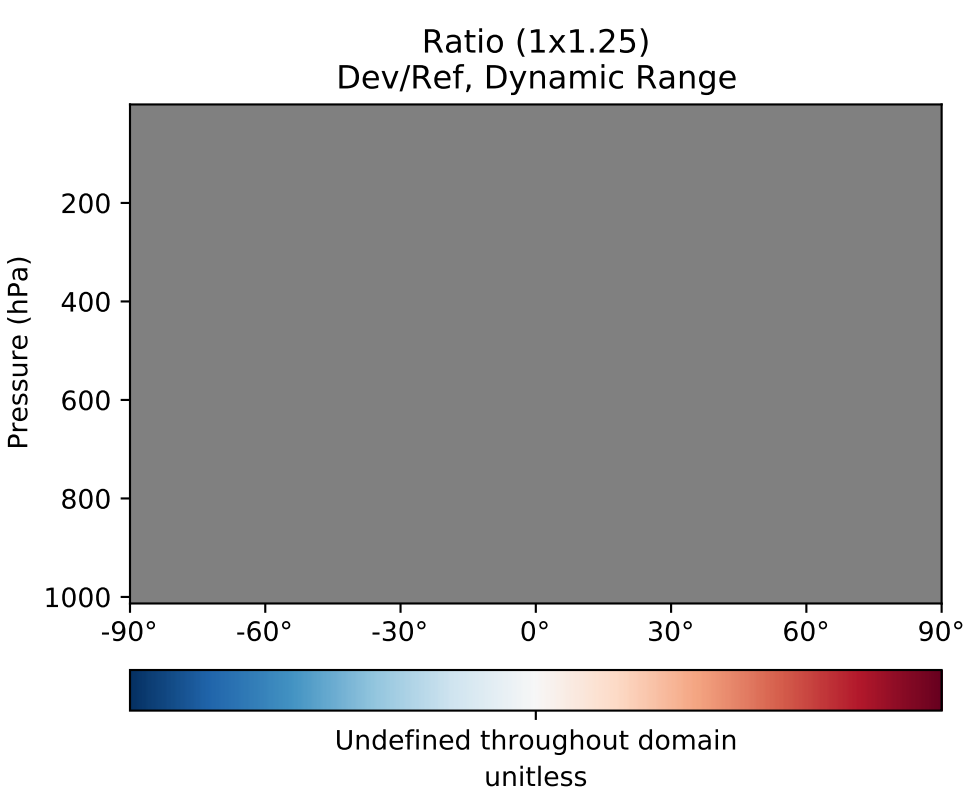
Jval_MPAN, Zonal Mean

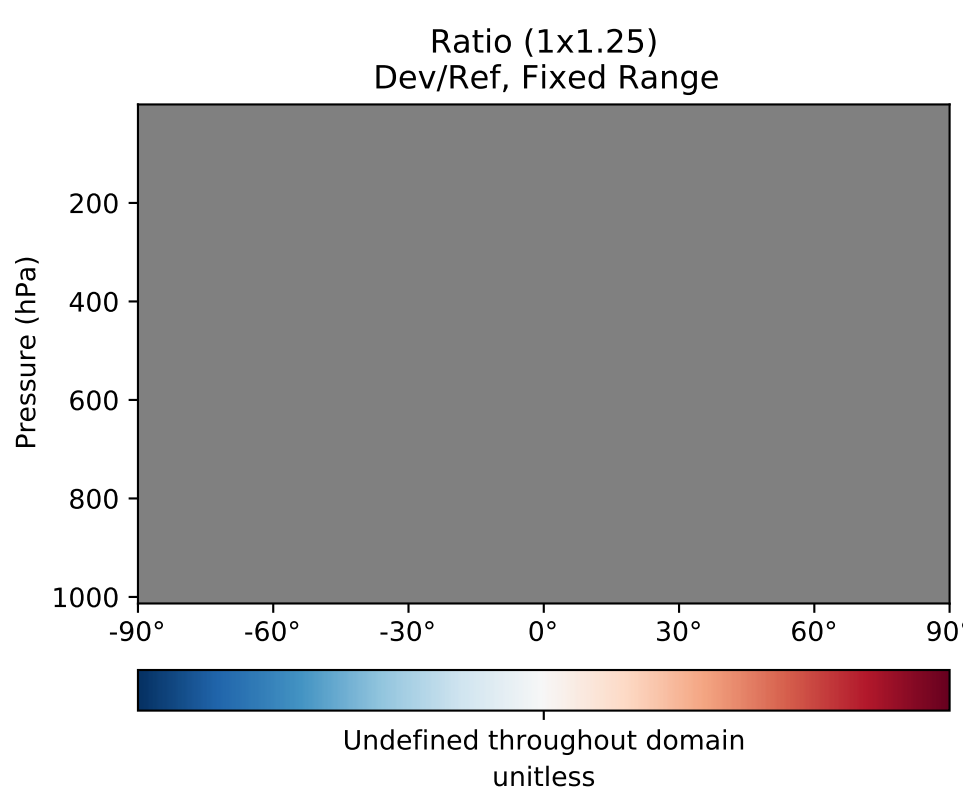




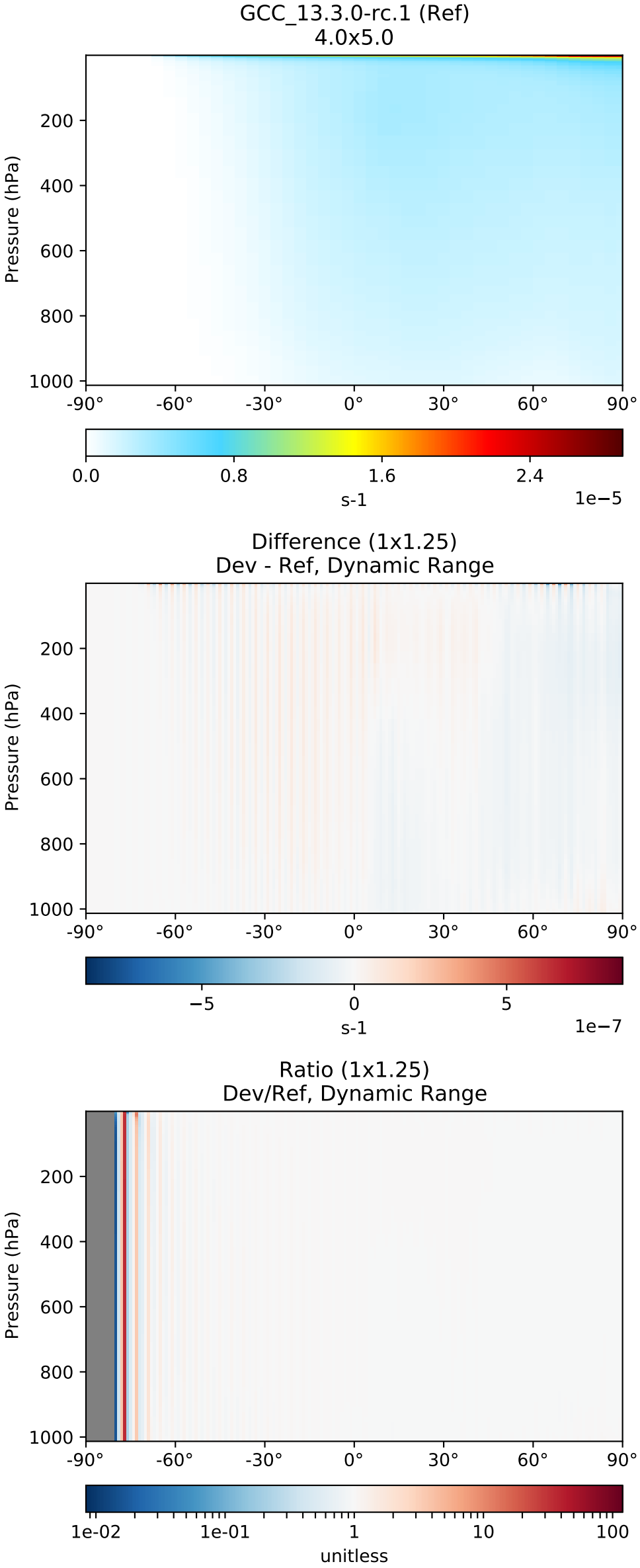


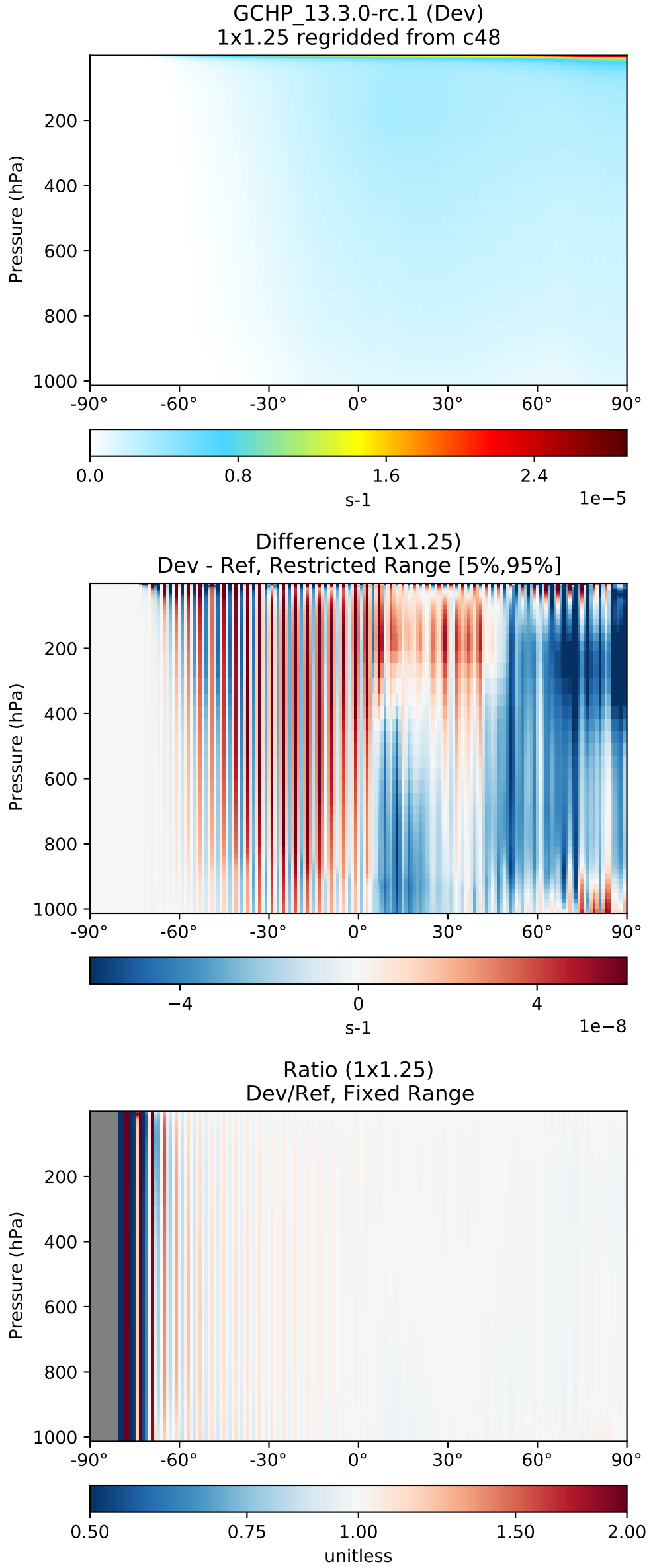




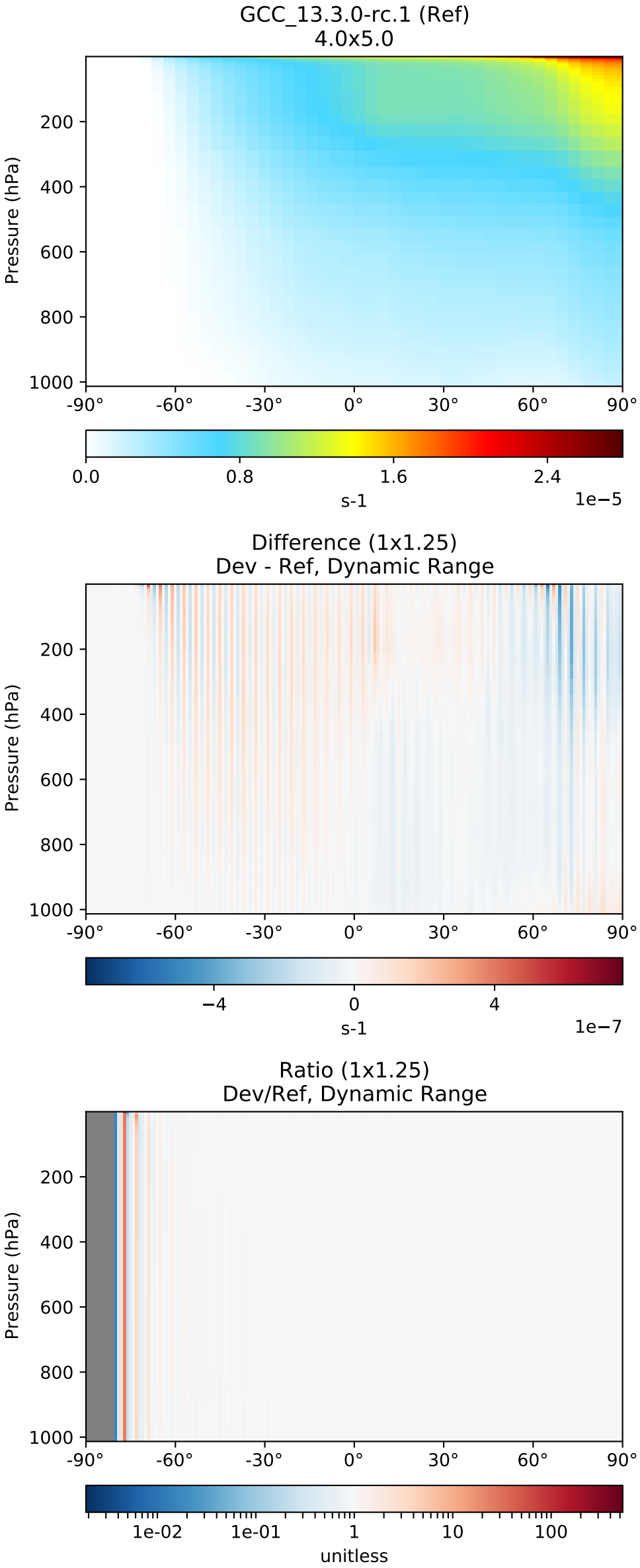


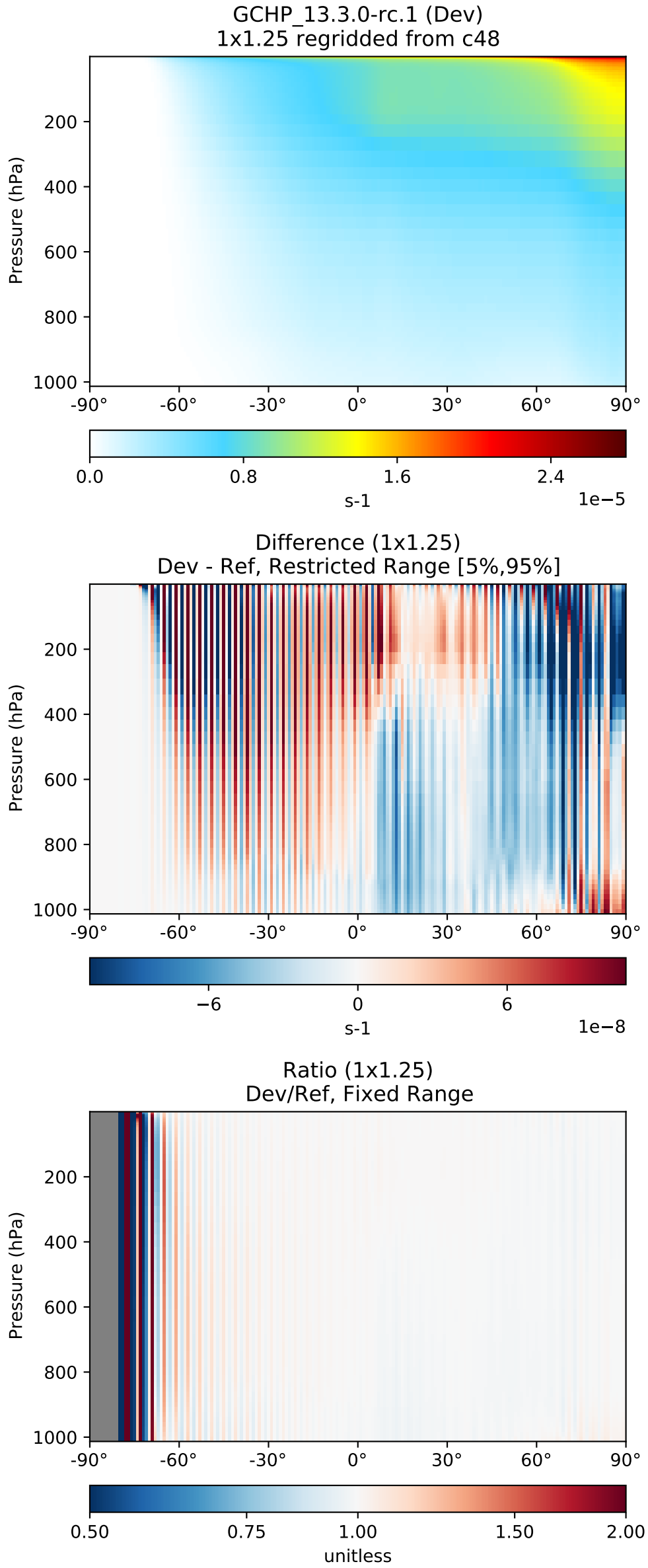
Jval_MPN, Zonal Mean



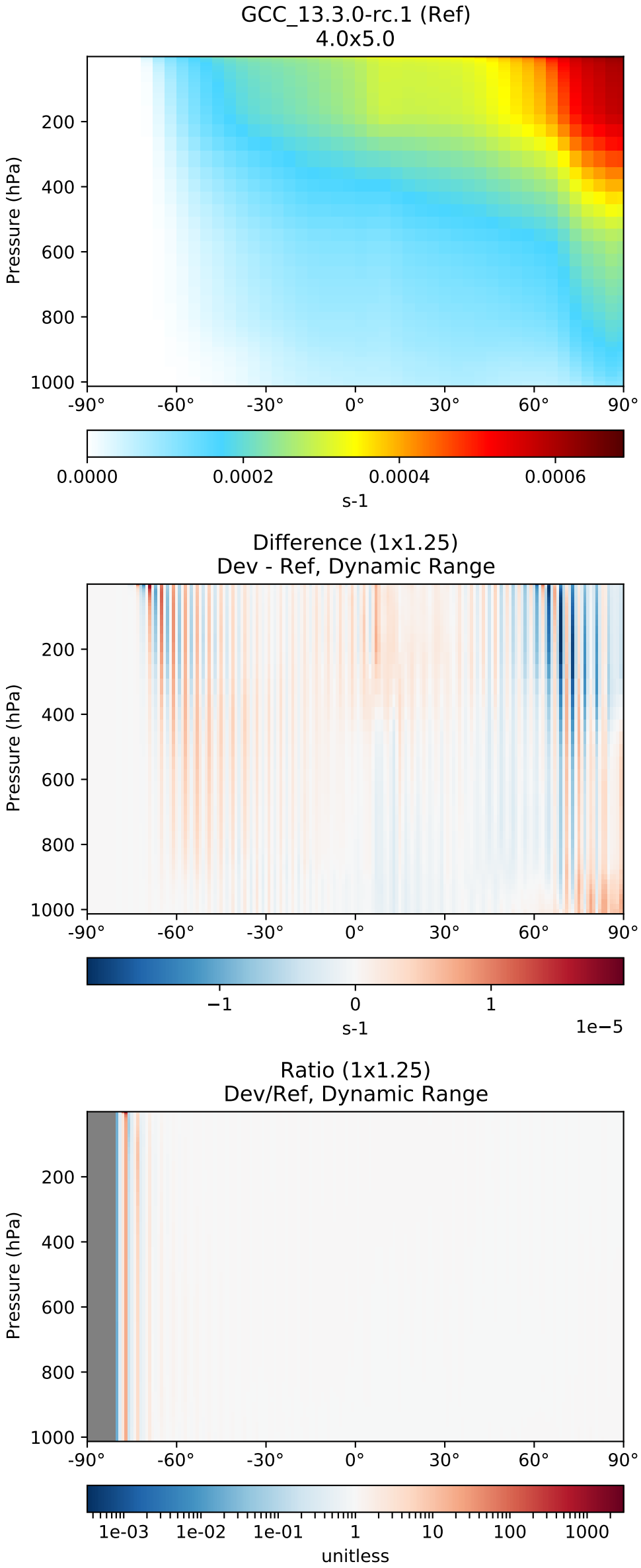


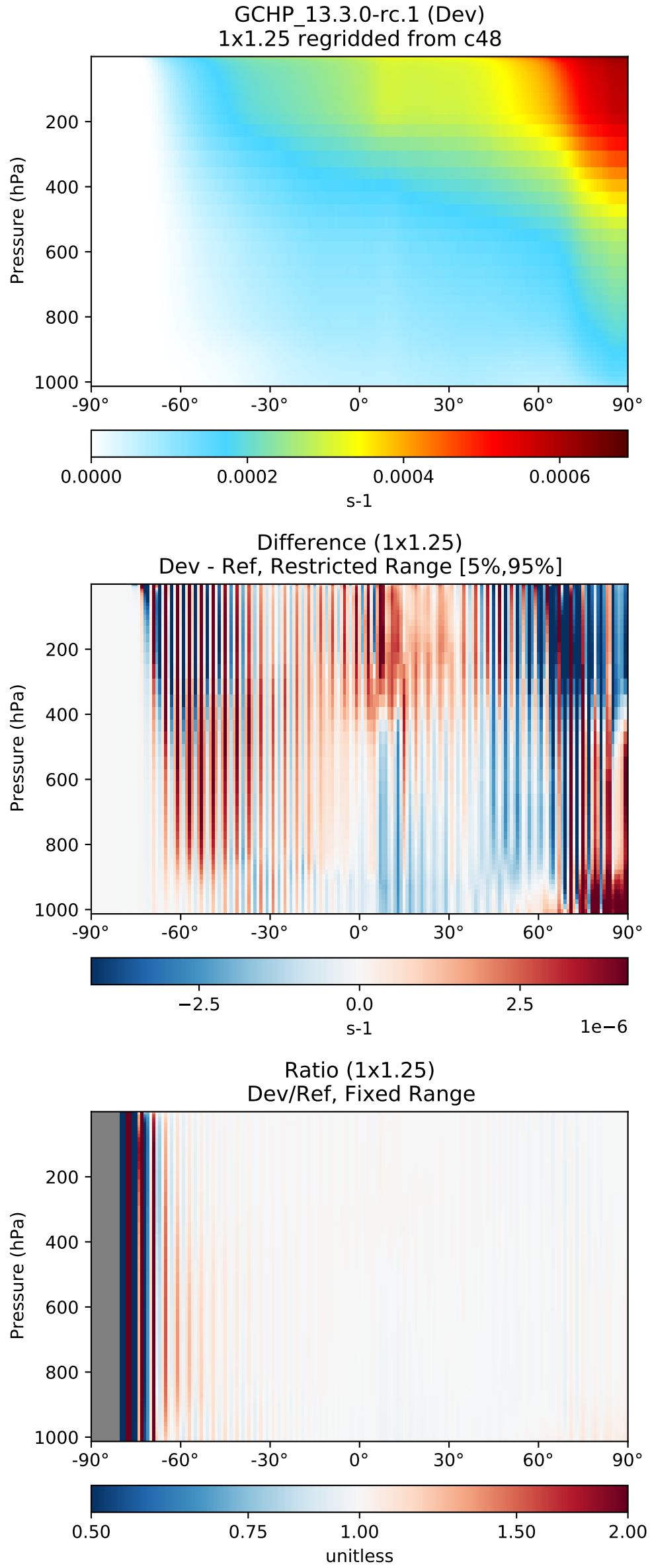
Jval_MVK, Zonal Mean



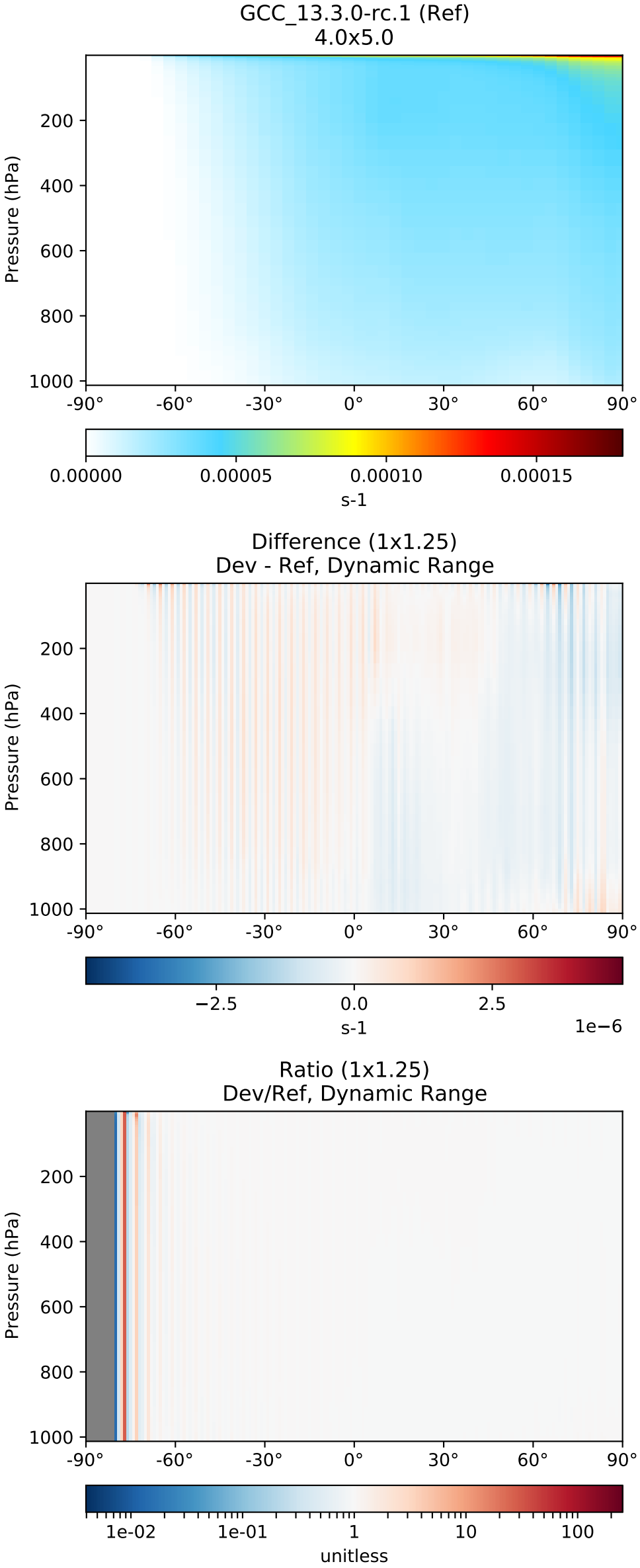


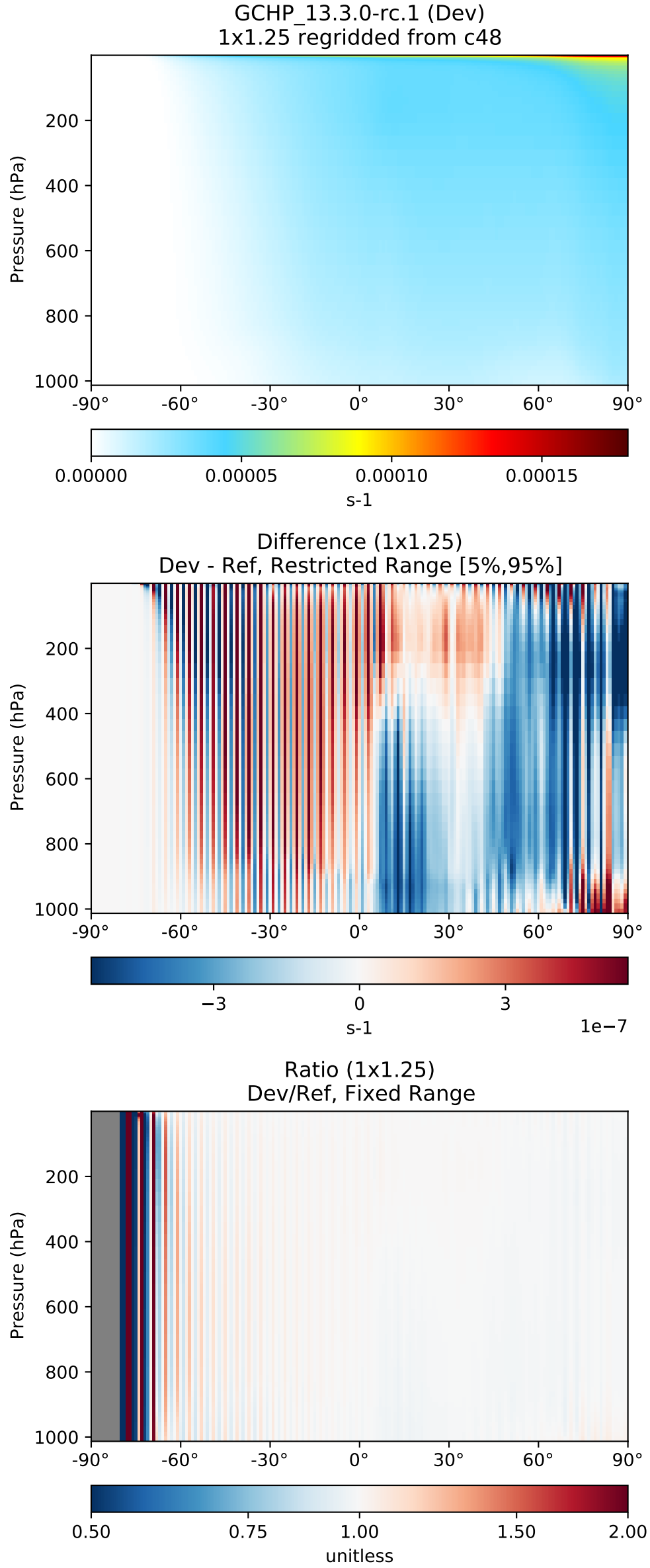
Jval_MVKHC, Zonal Mean



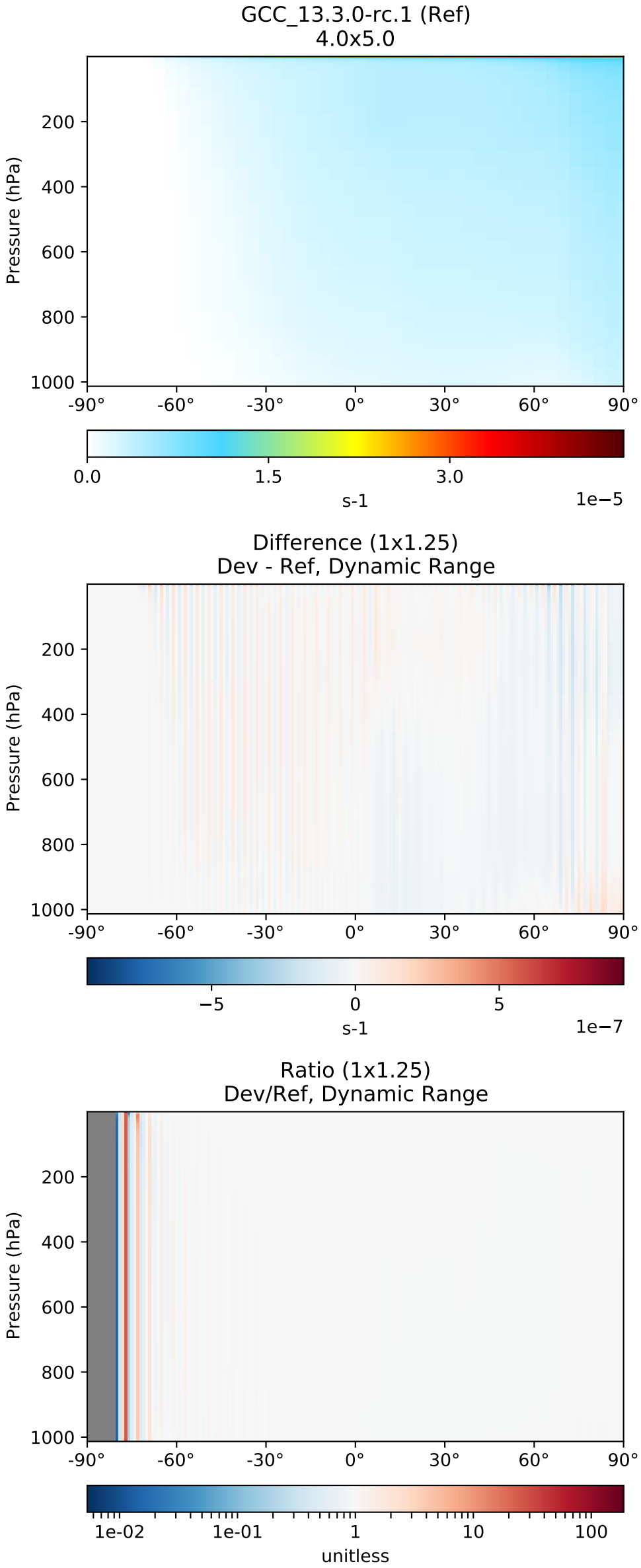


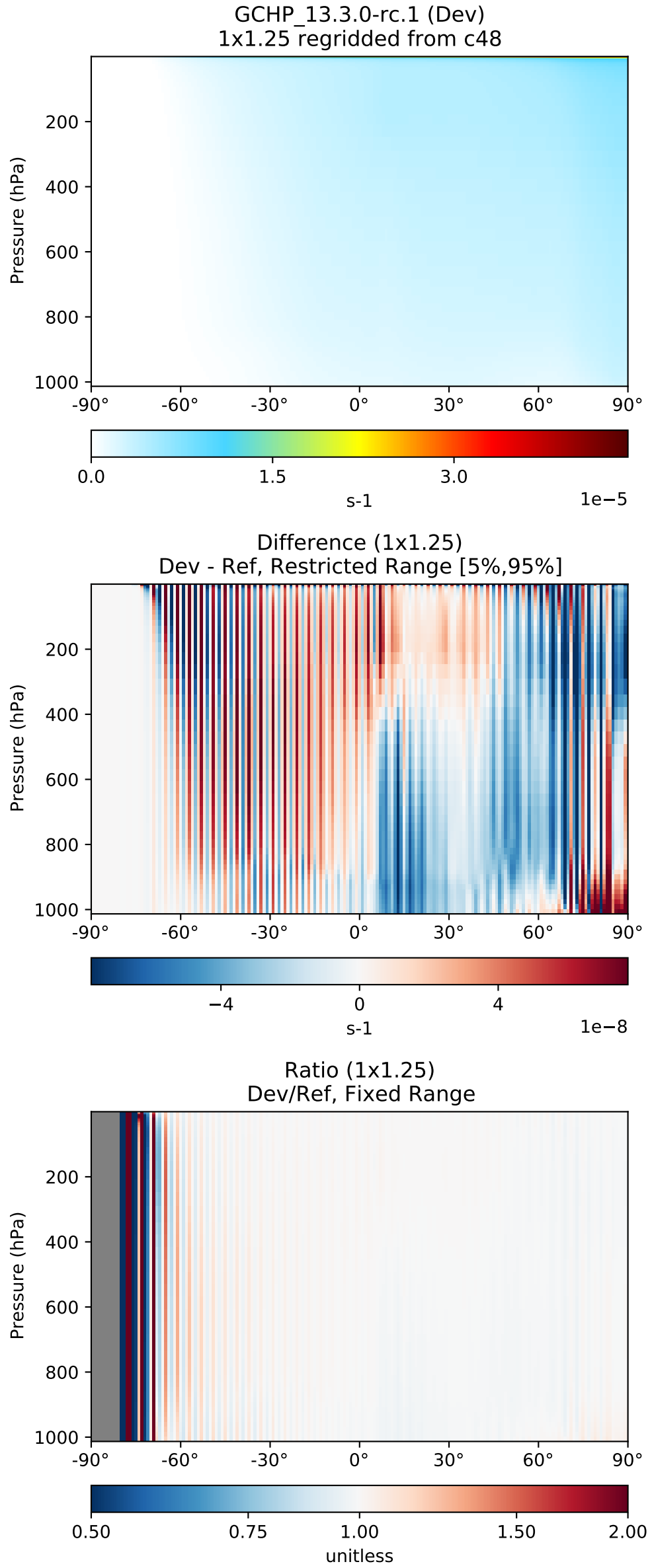
Jval_MVKHCB, Zonal Mean



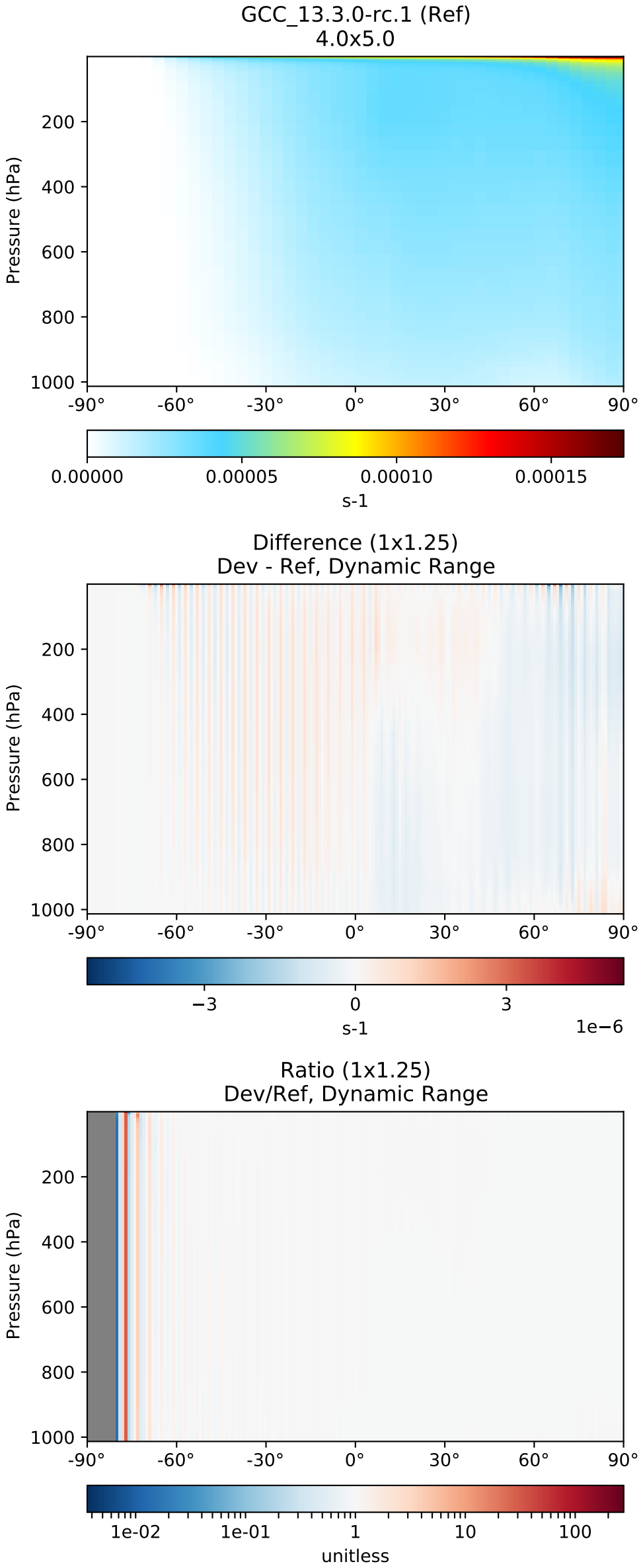


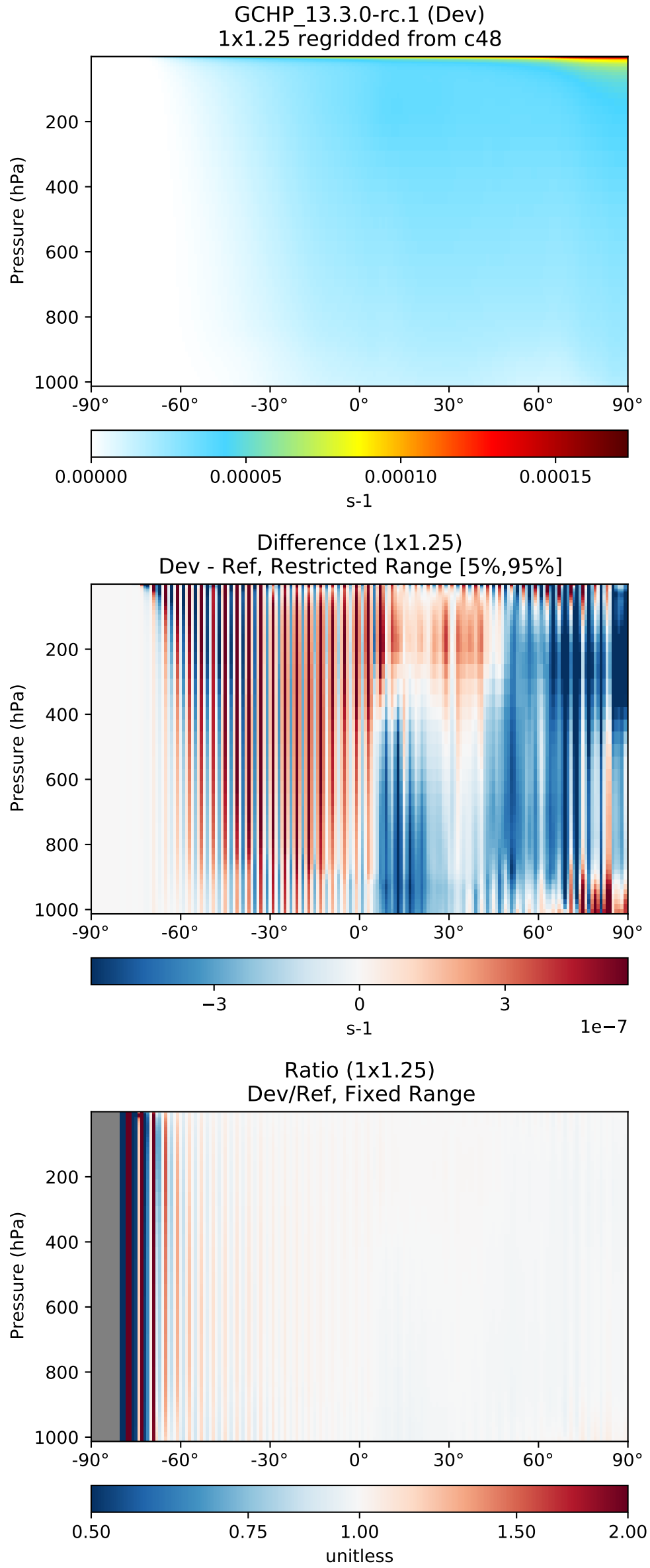
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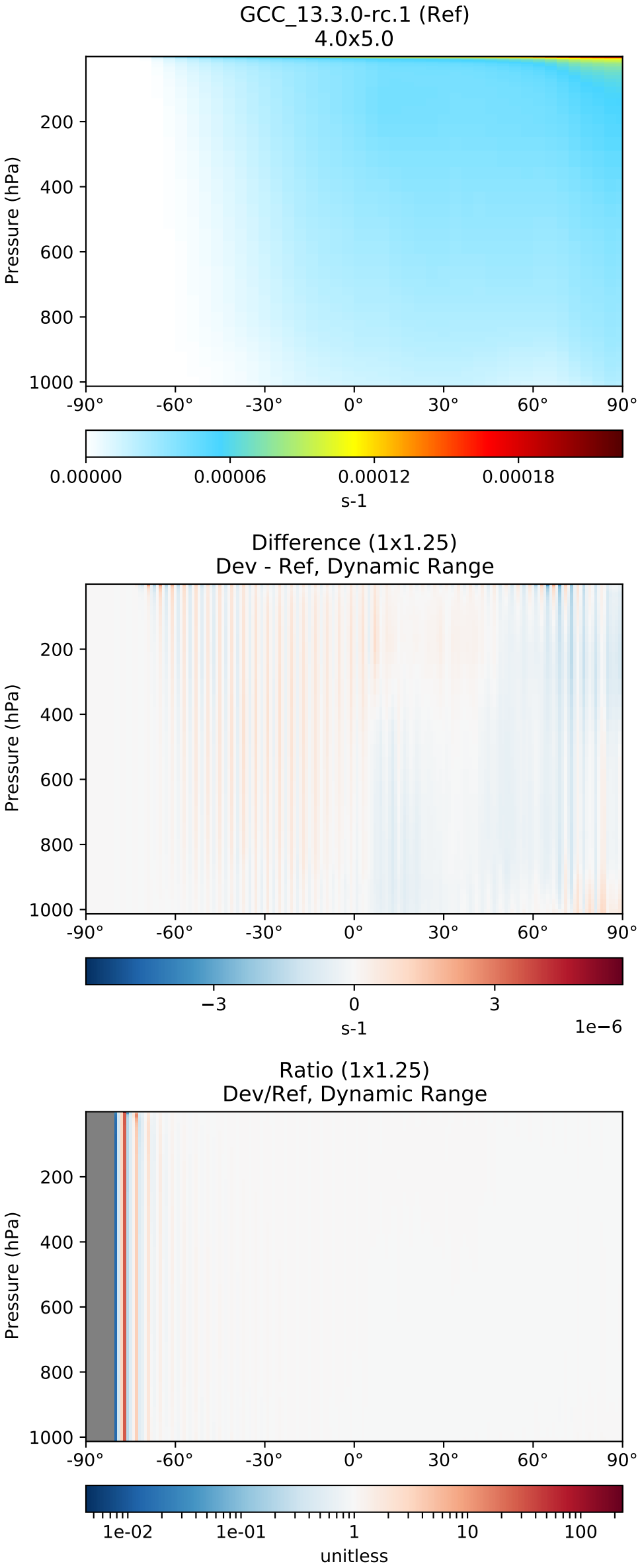


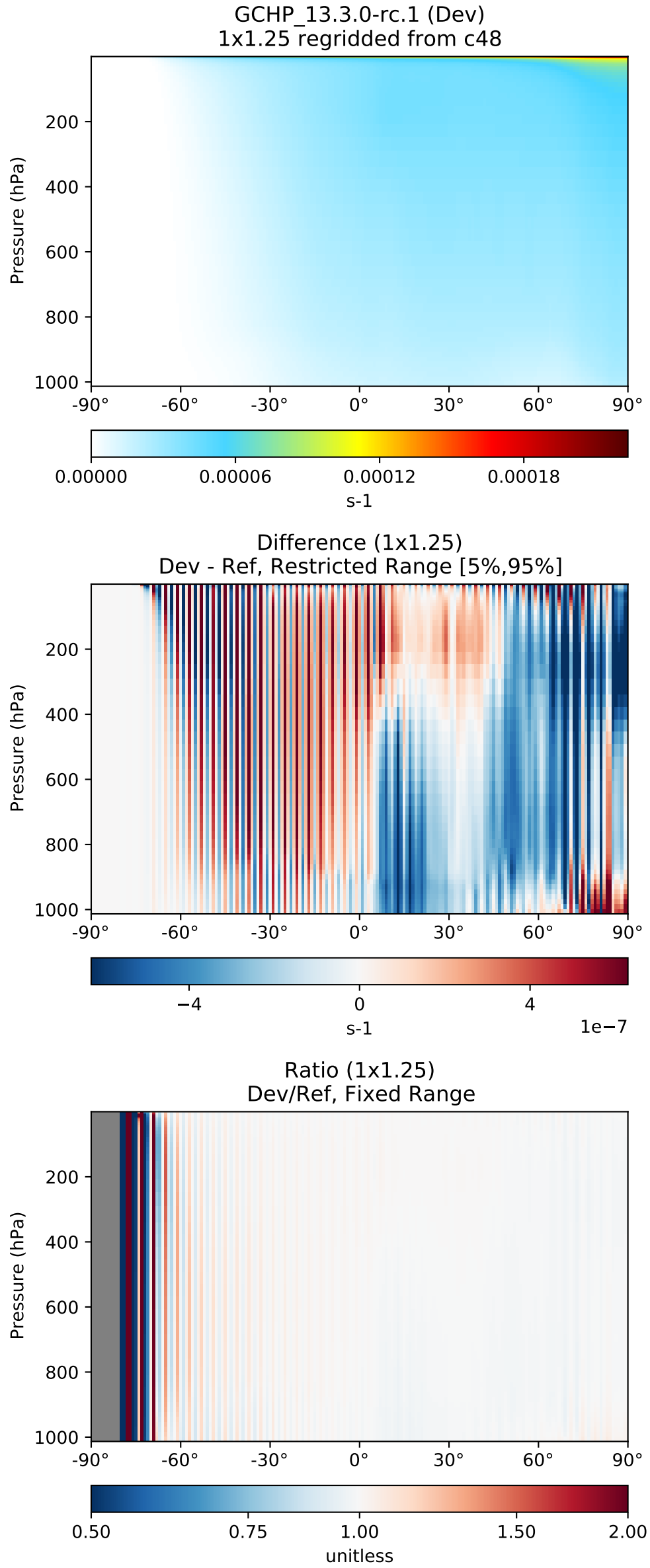
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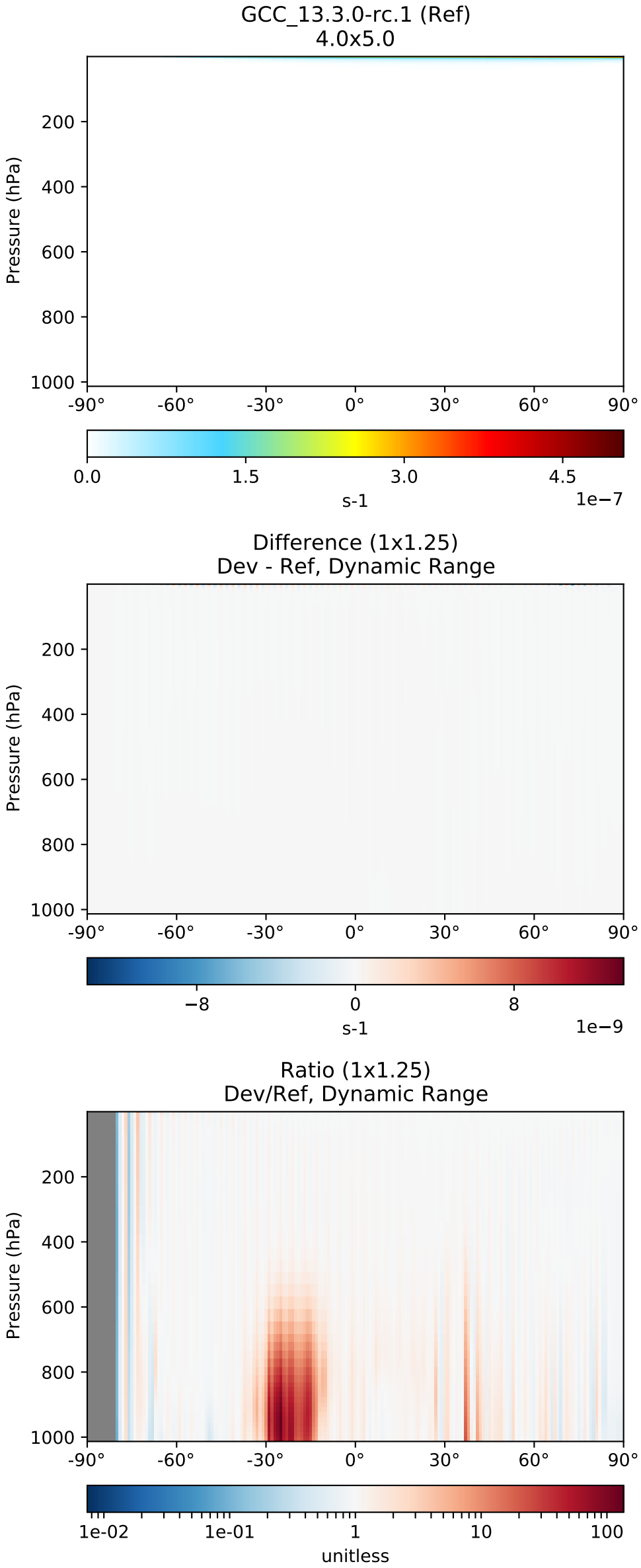


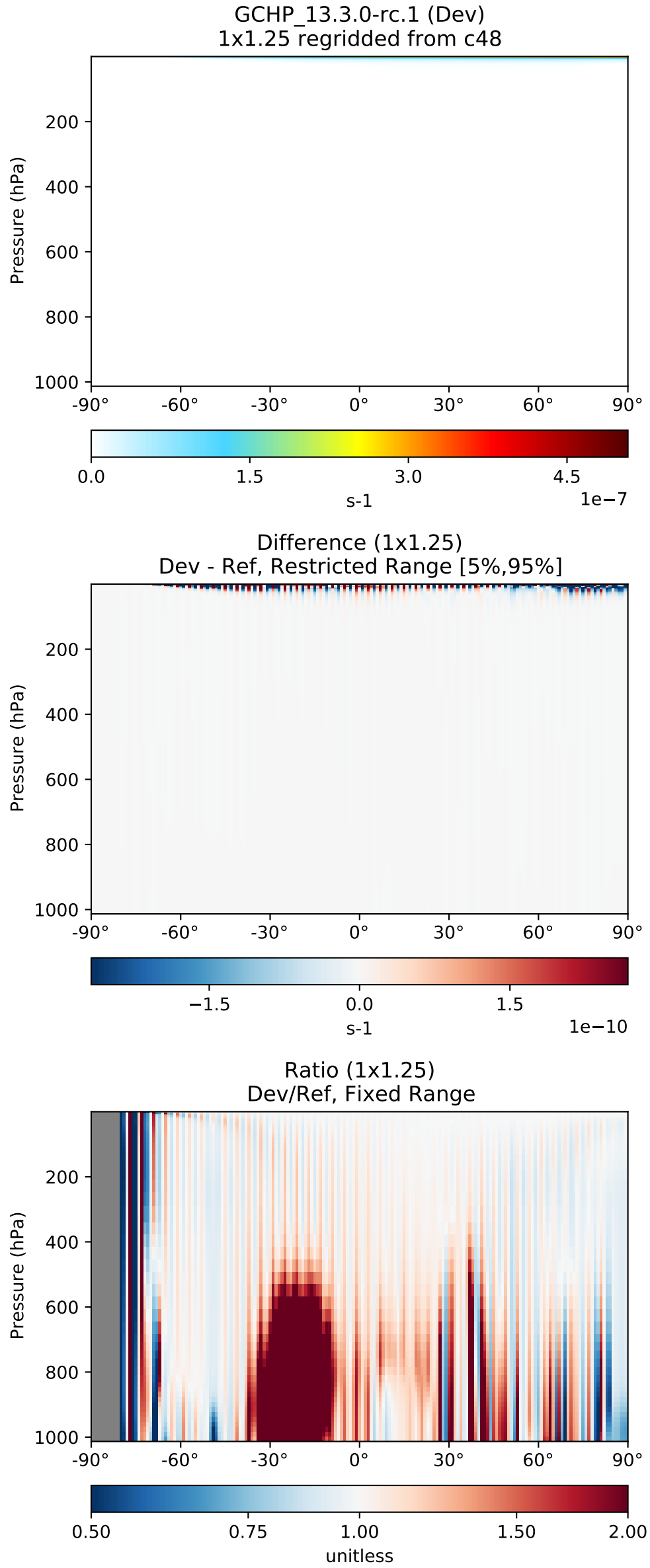
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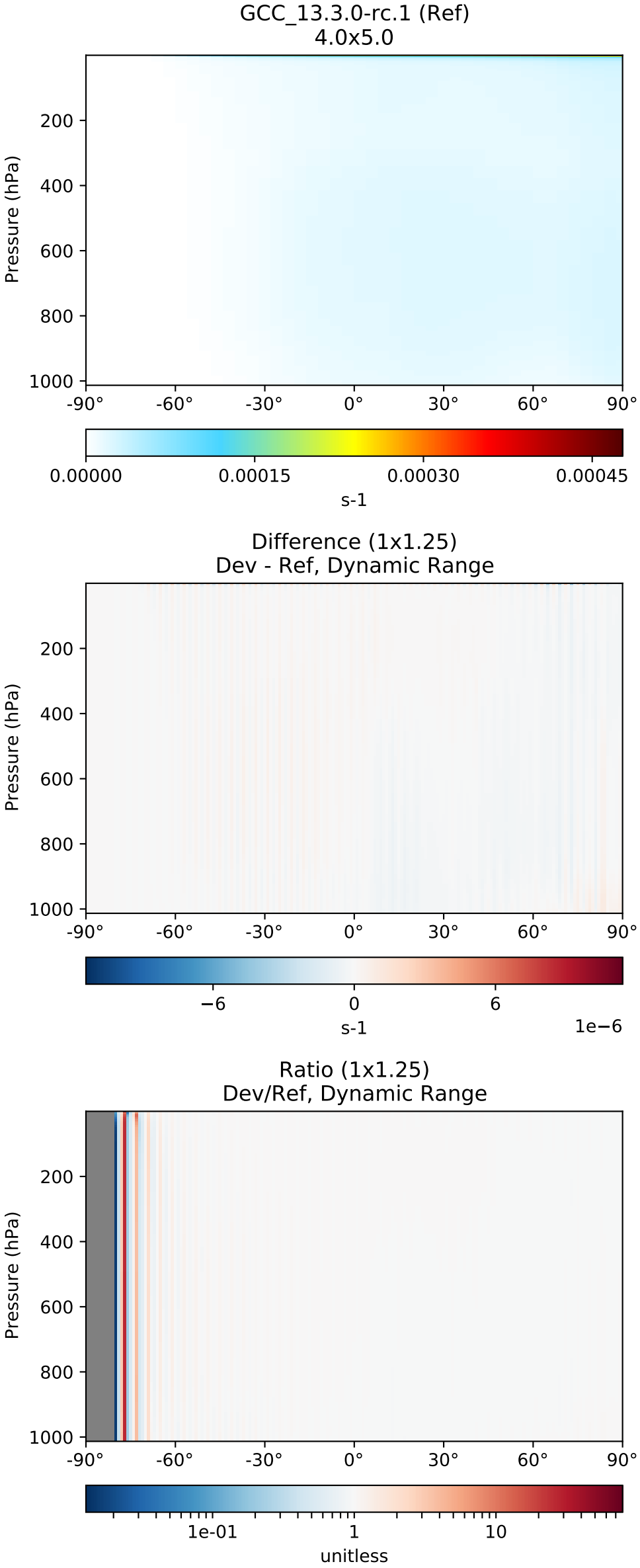


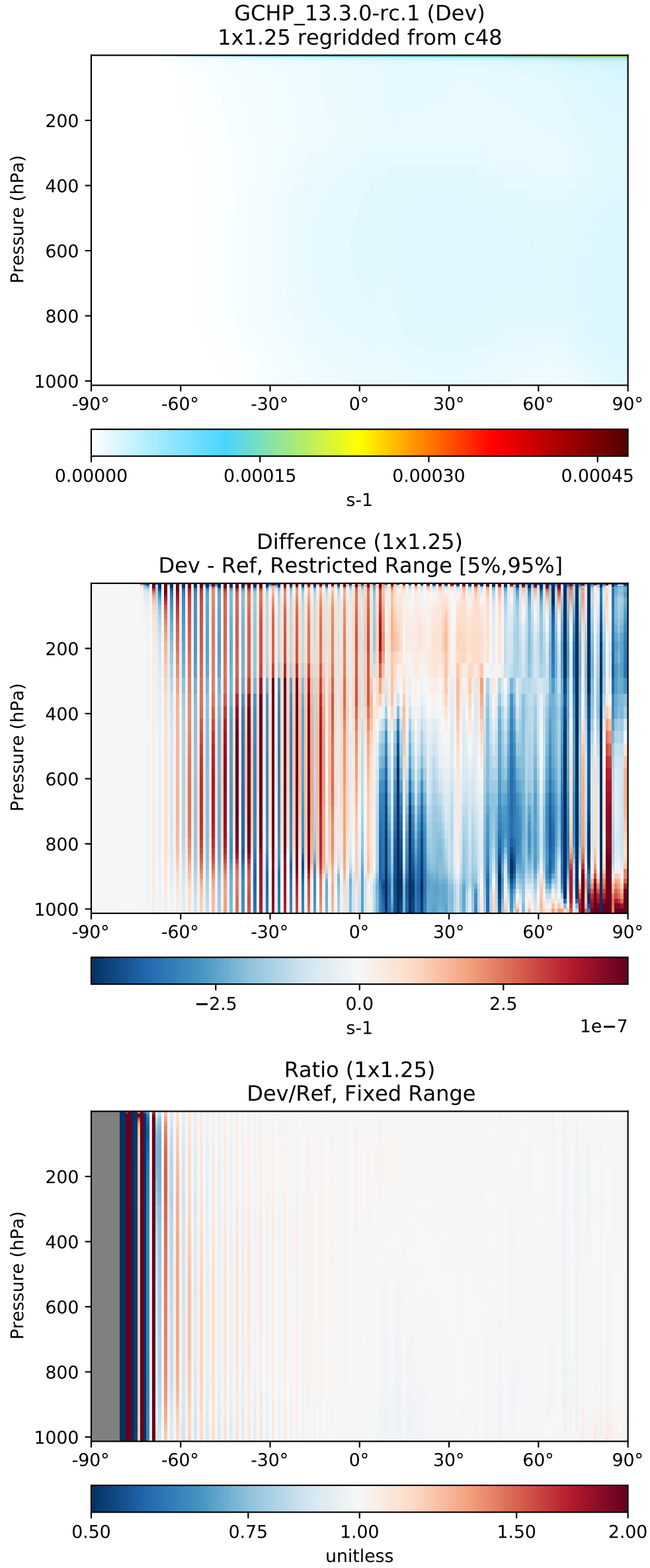
Jval_N2O, Zonal Mean



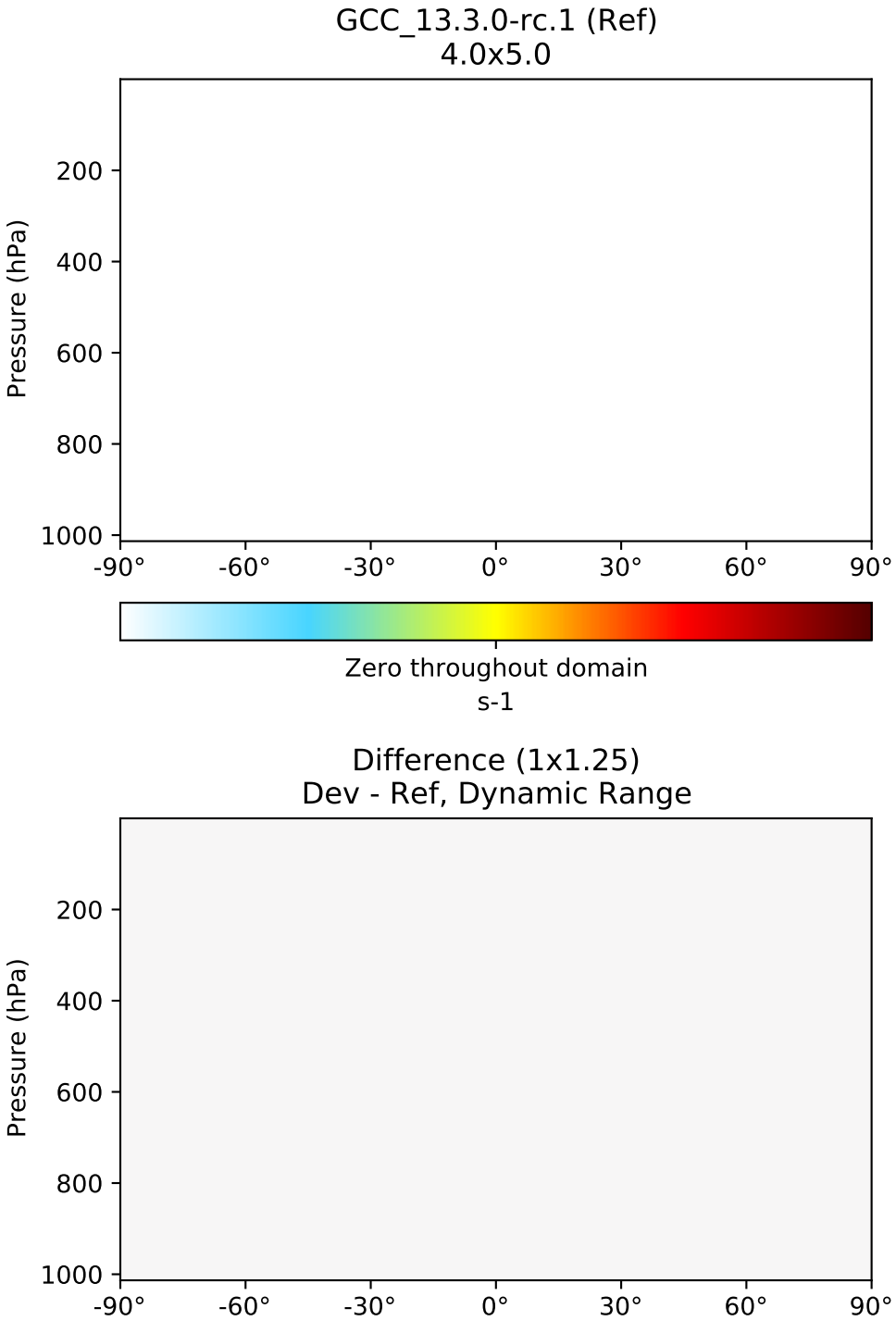


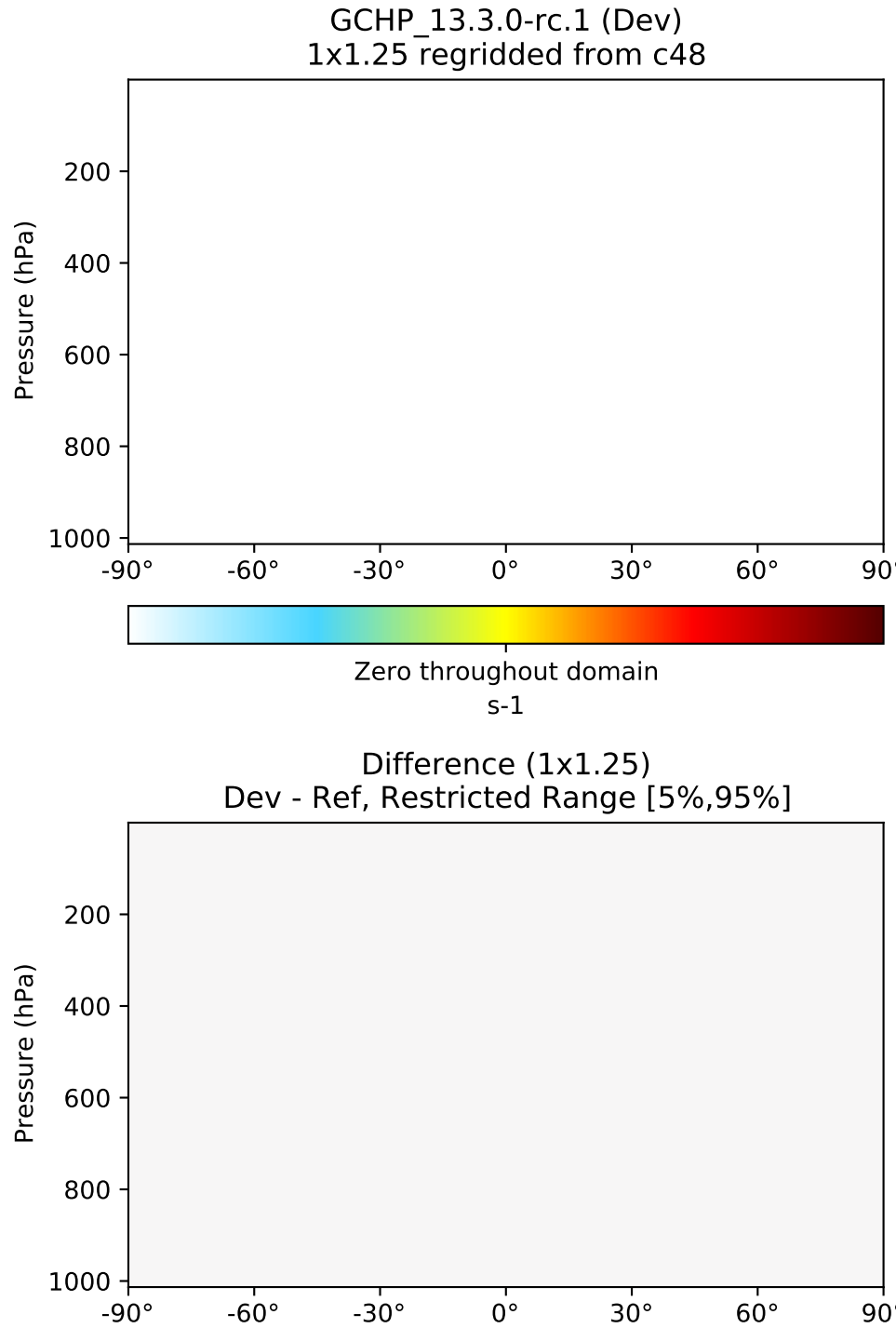
Jval_N2O5, Zonal Mean

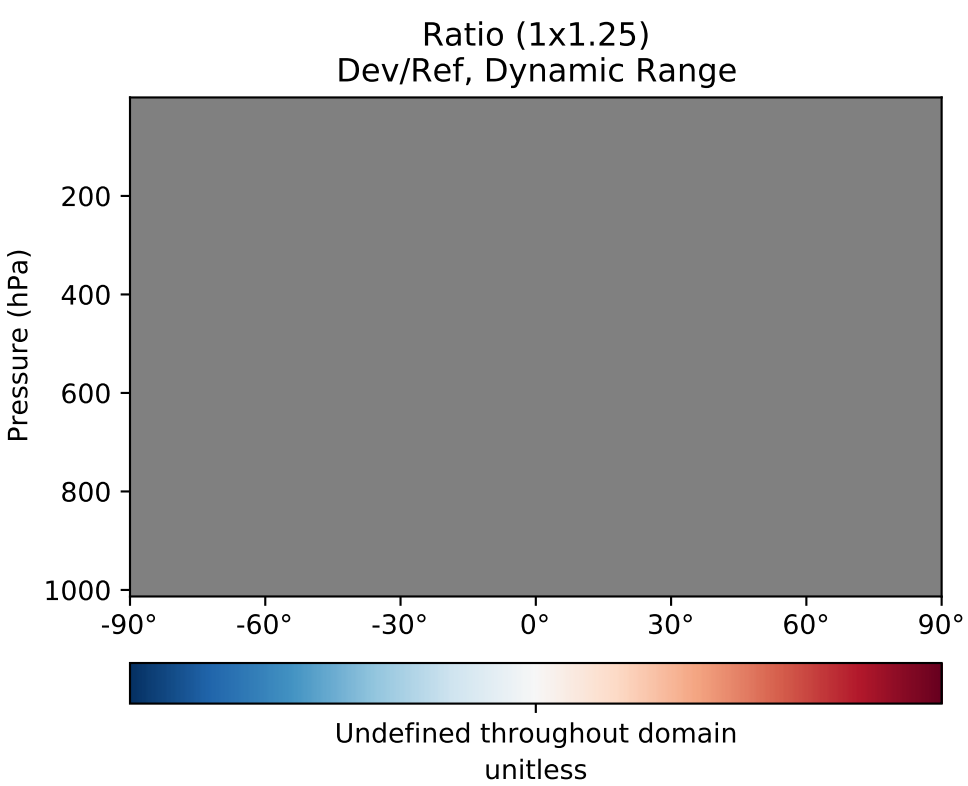


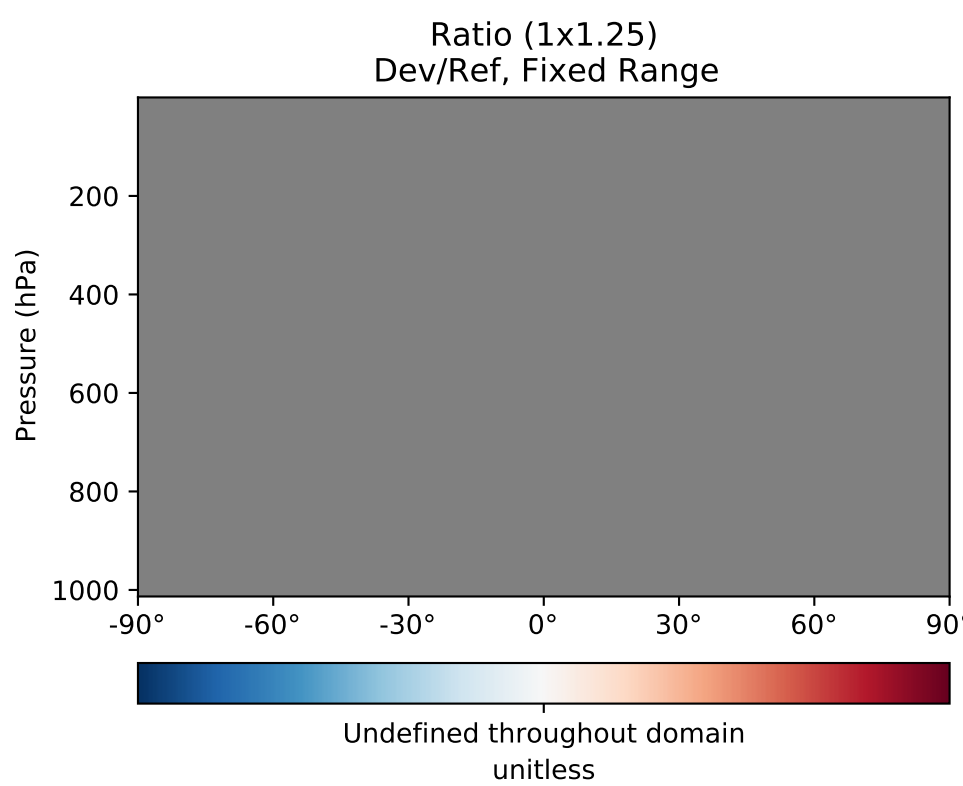


Jval_NIT, Zonal Mean

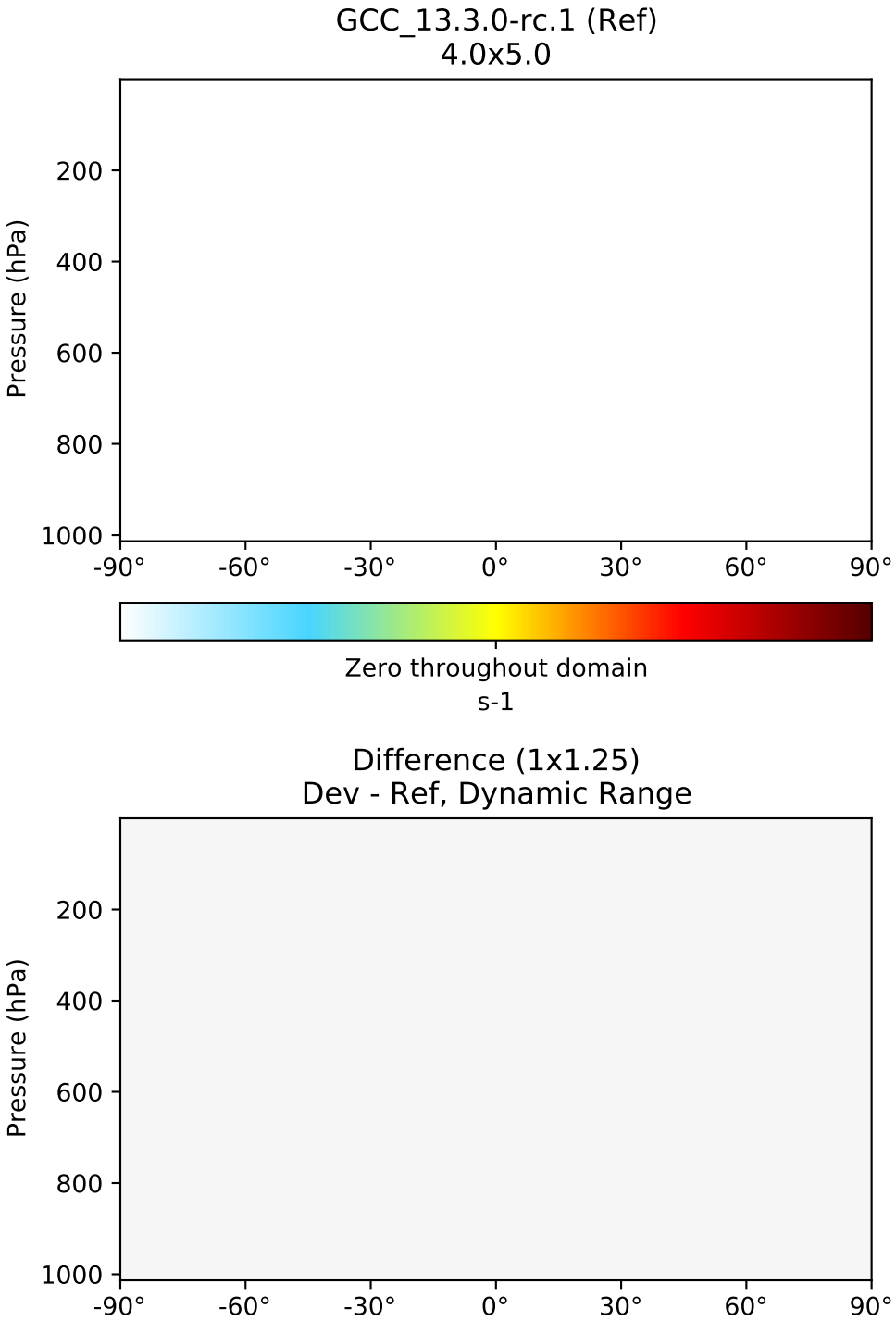


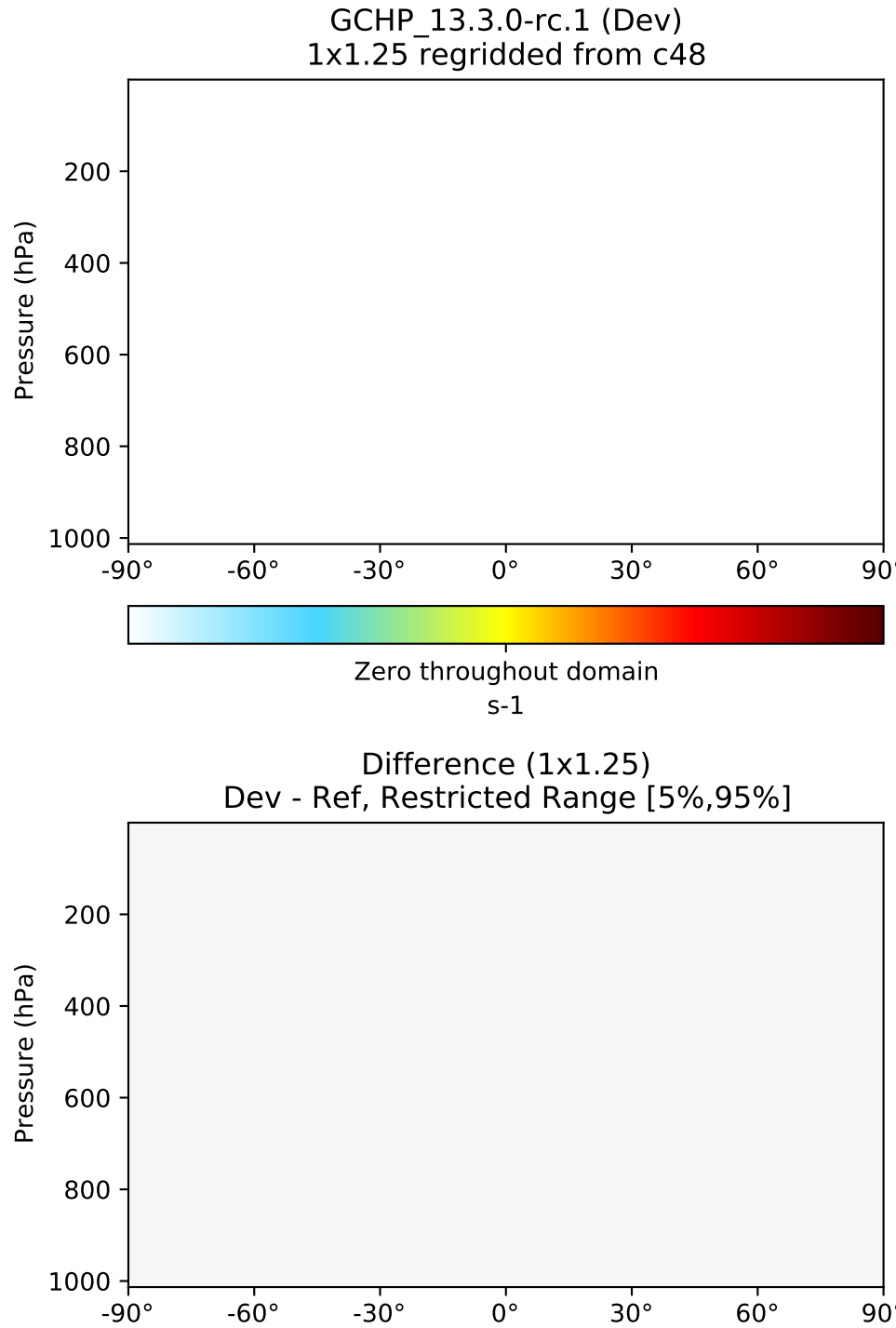


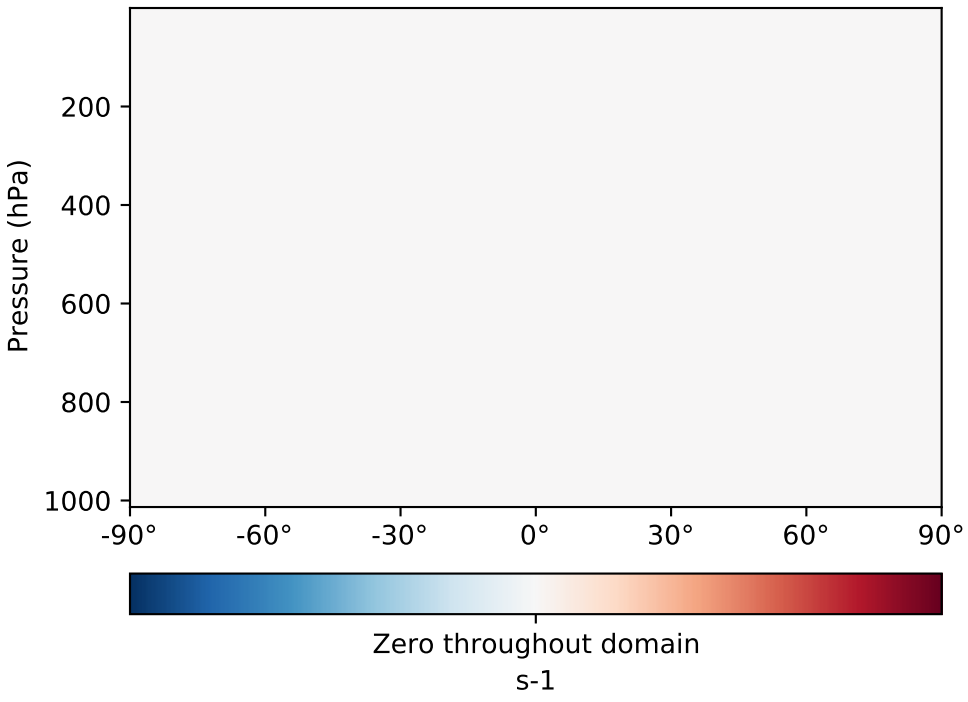


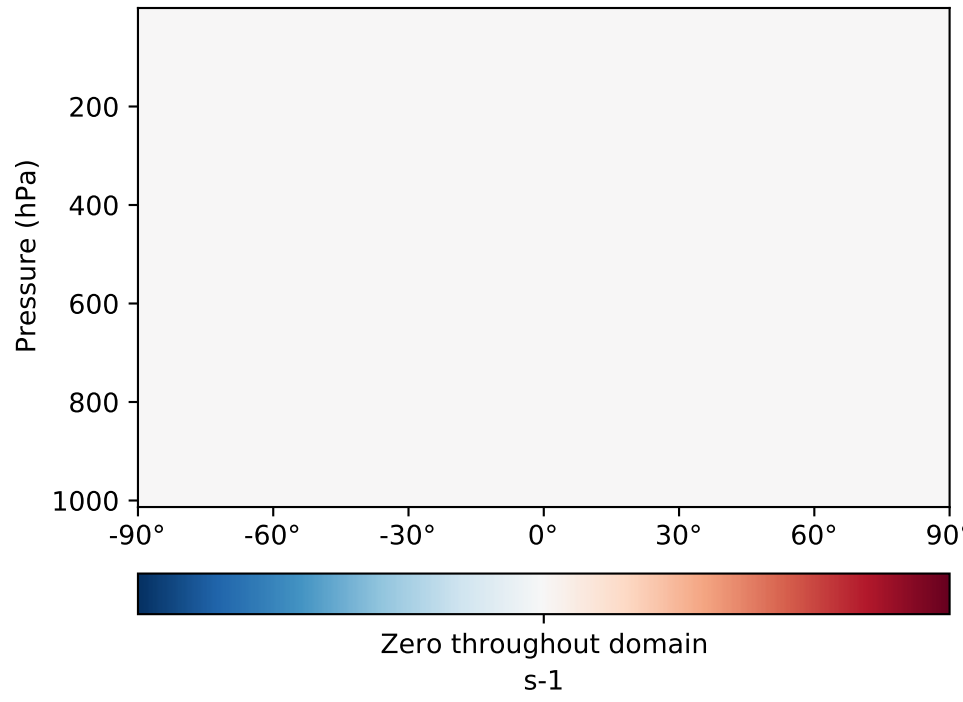


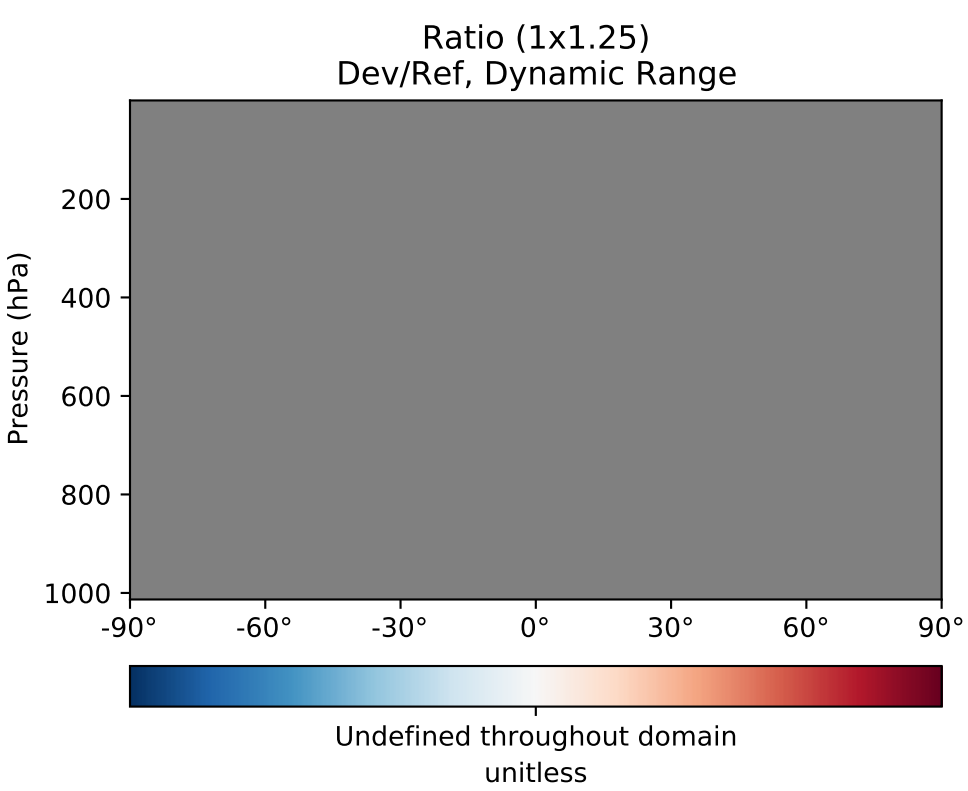
Jval_NITs, Zonal Mean

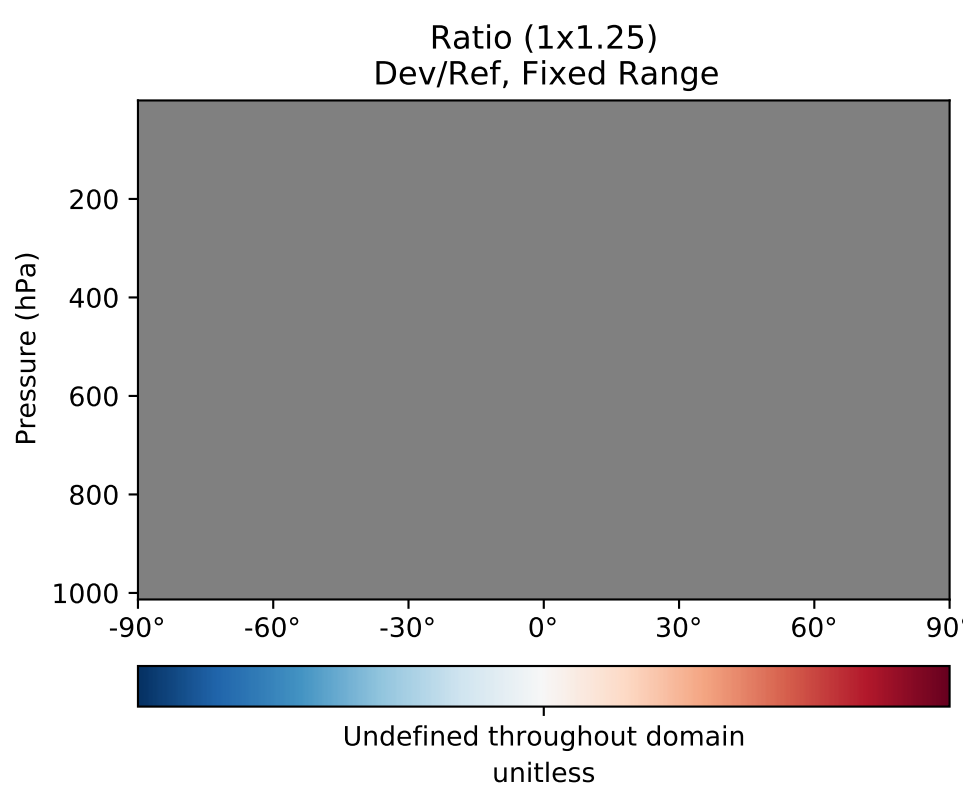




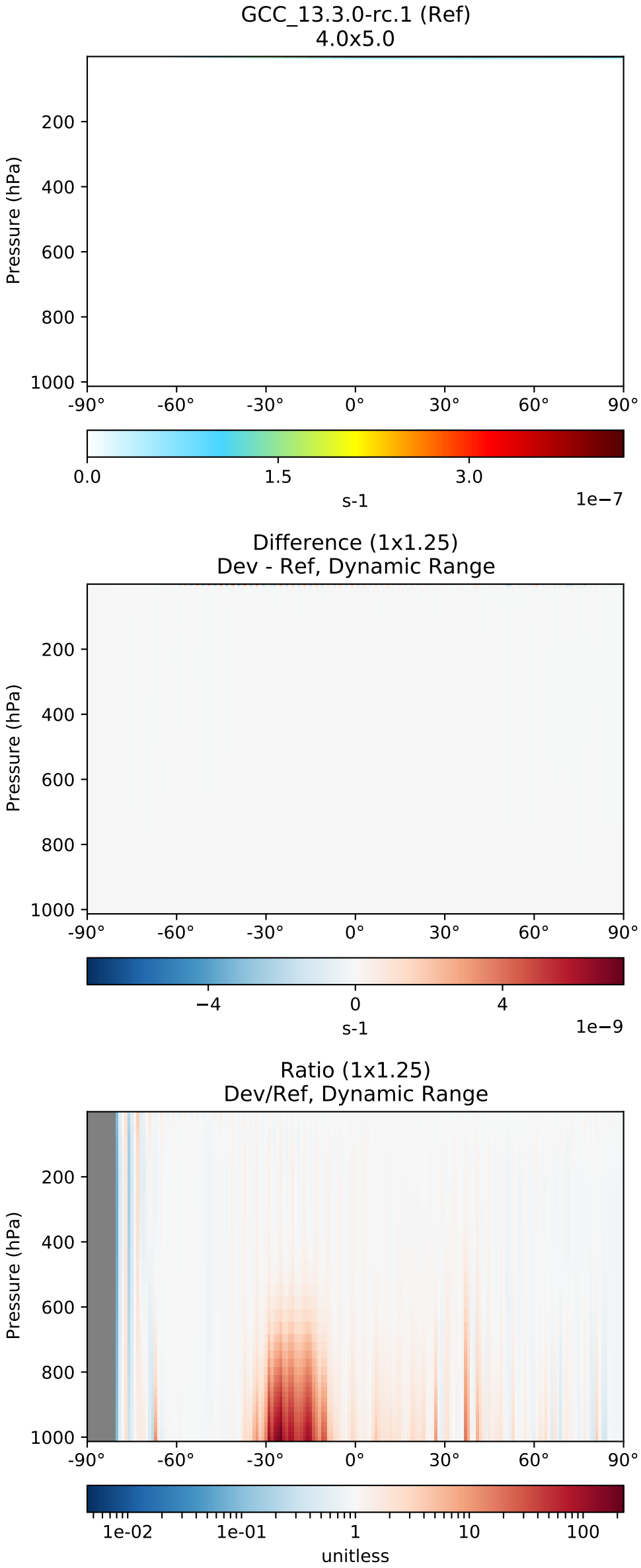


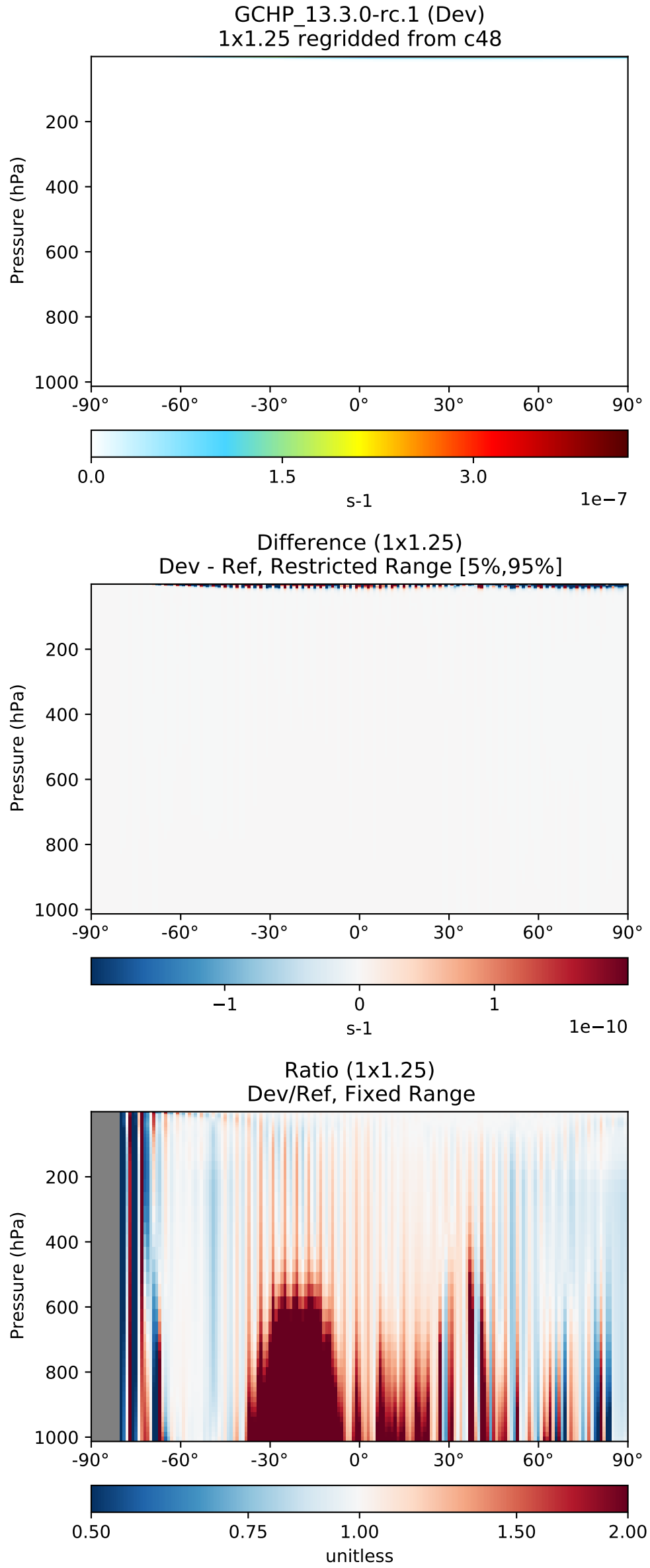




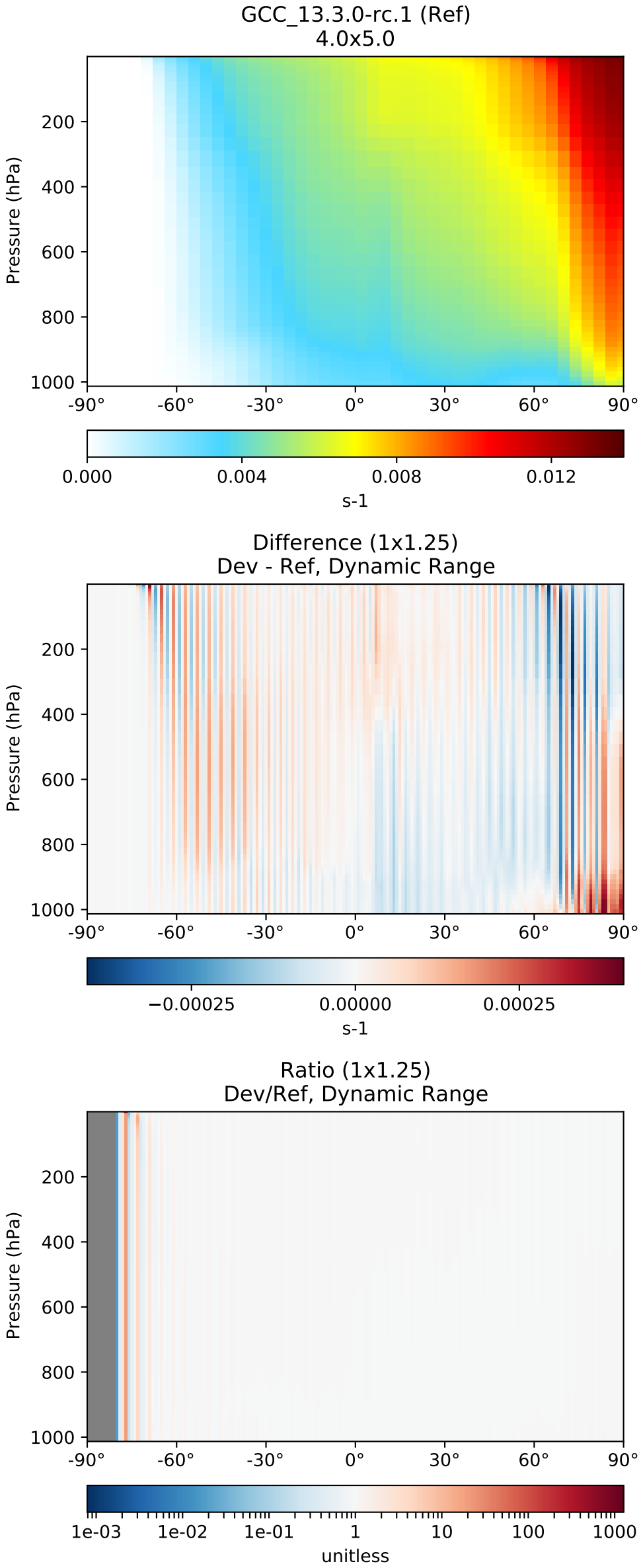


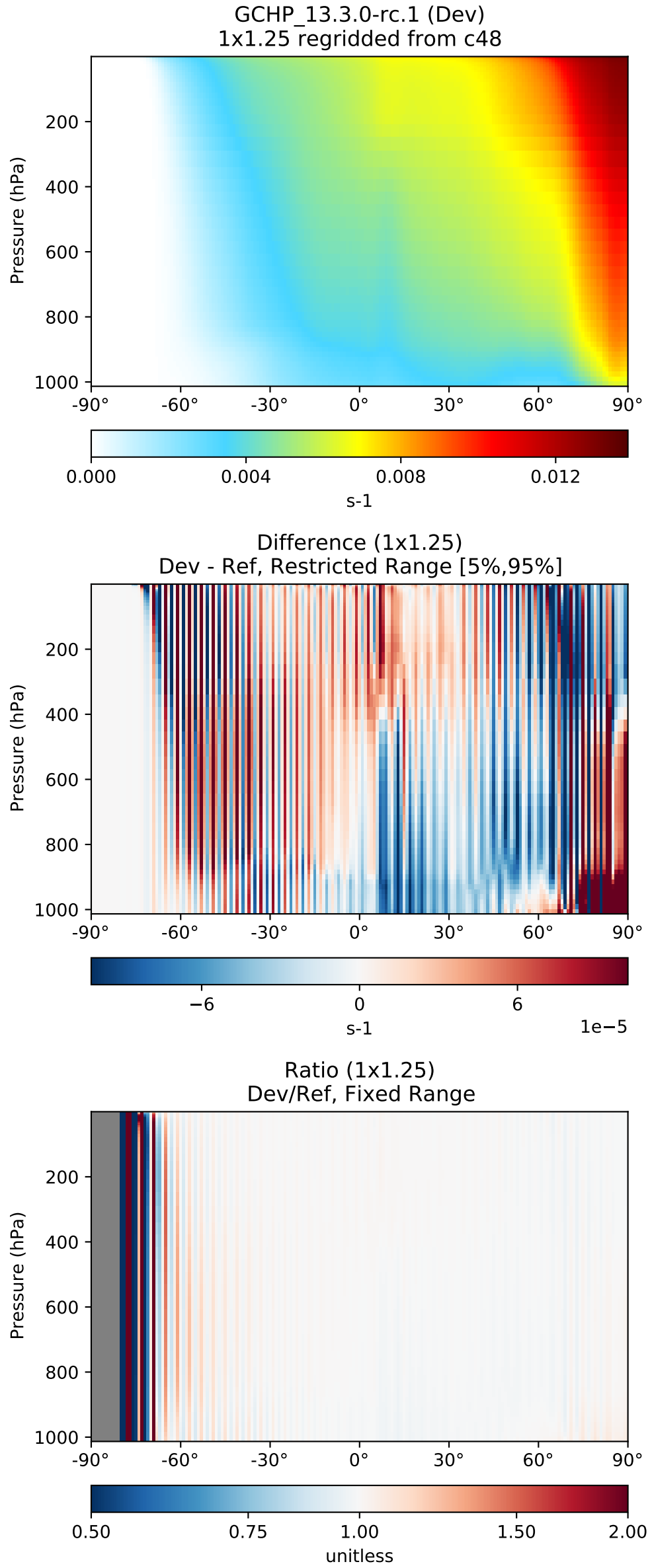
Jval_NO, Zonal Mean



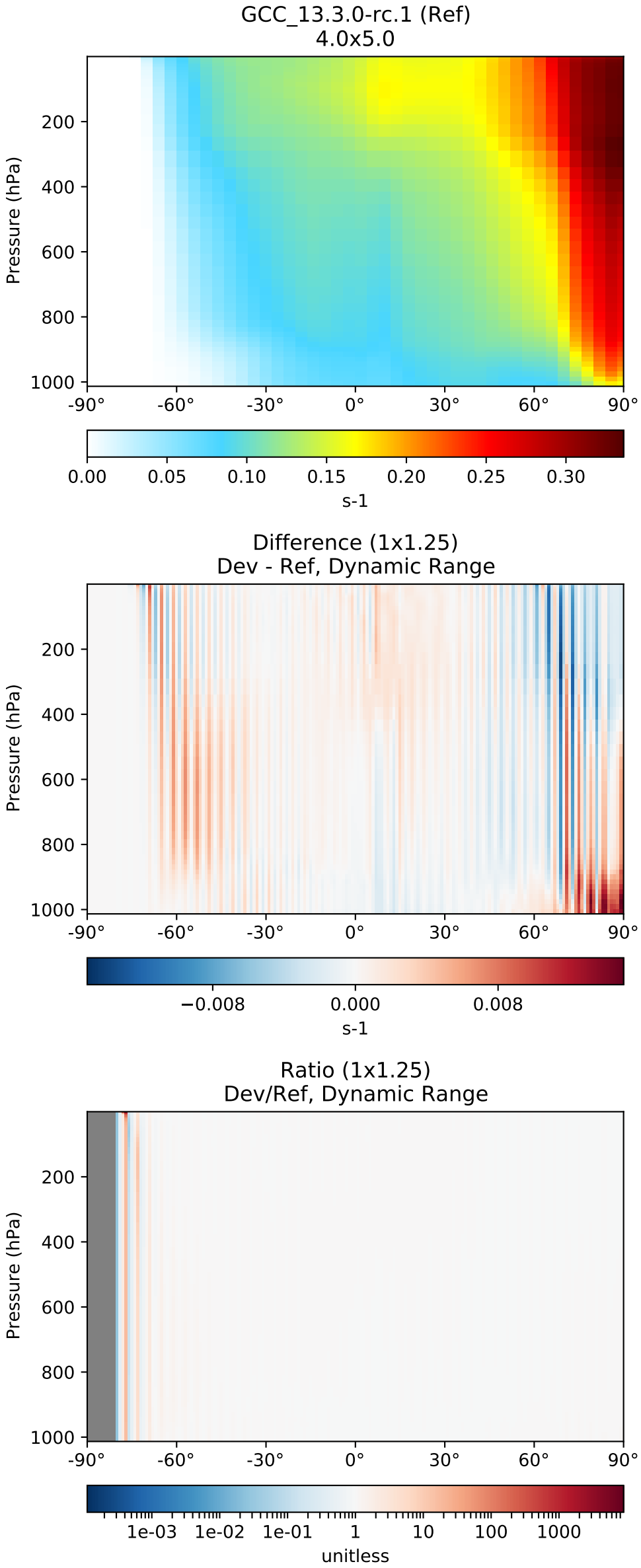


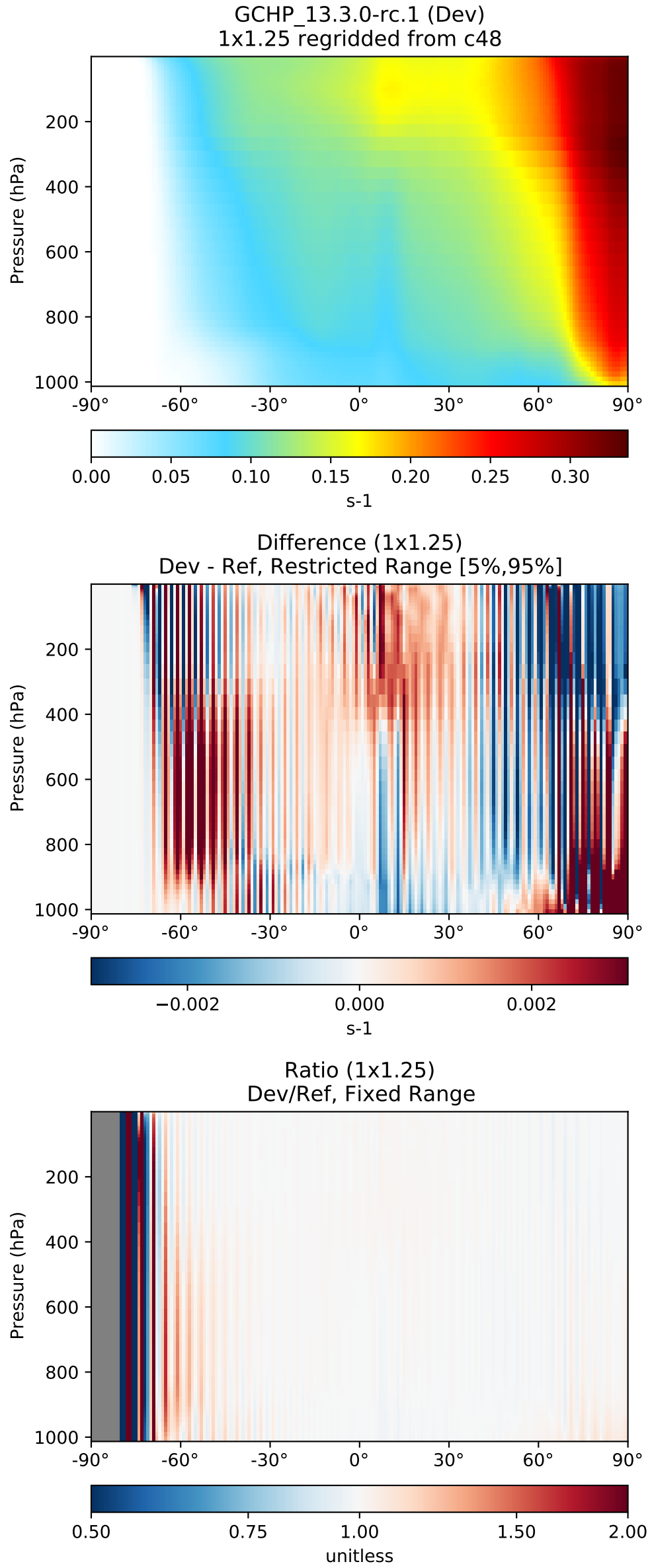
Jval_NO2, Zonal Mean



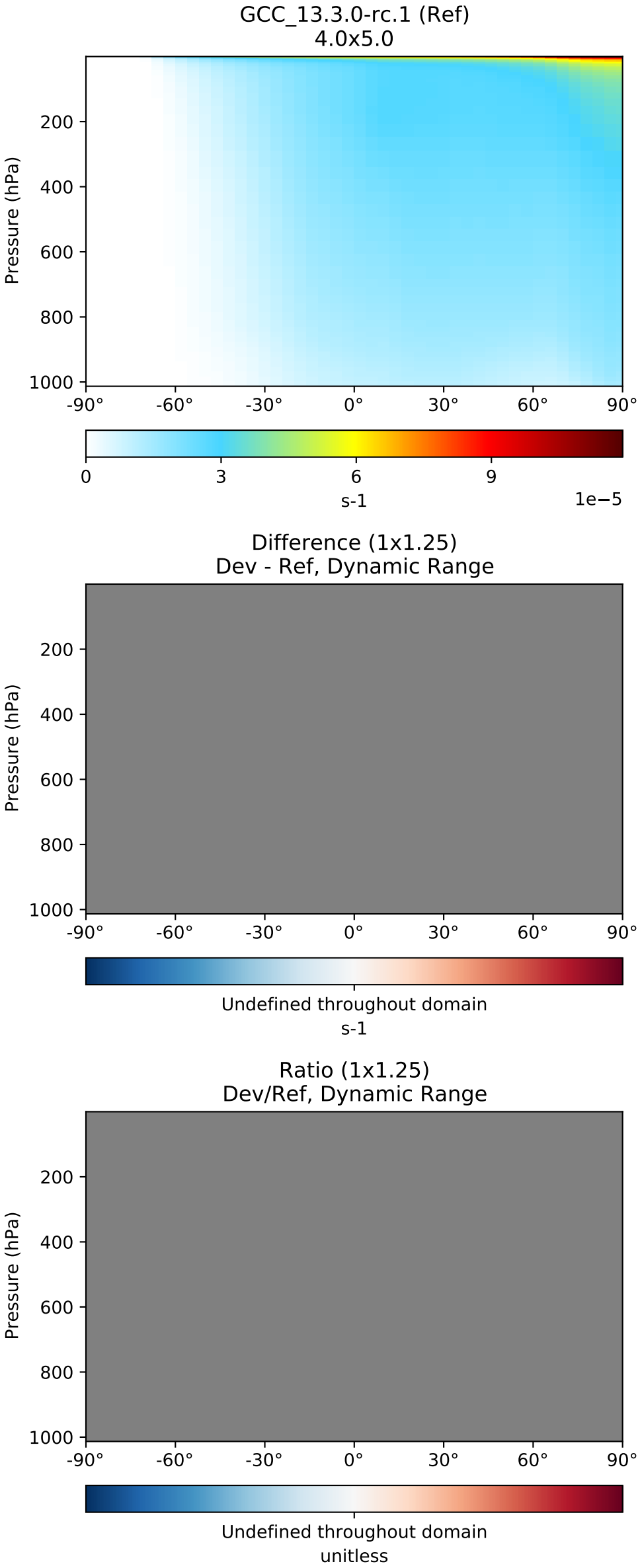


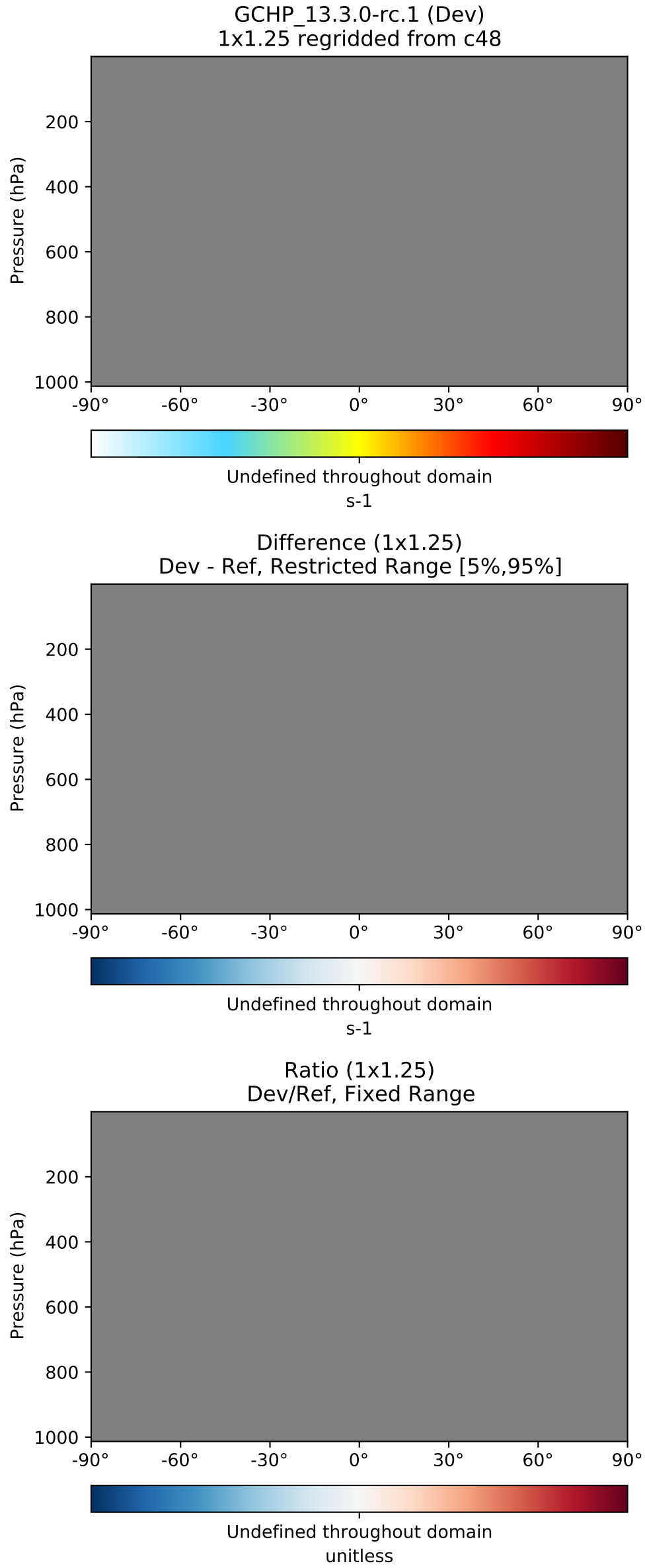
Jval_NO3, Zonal Mean



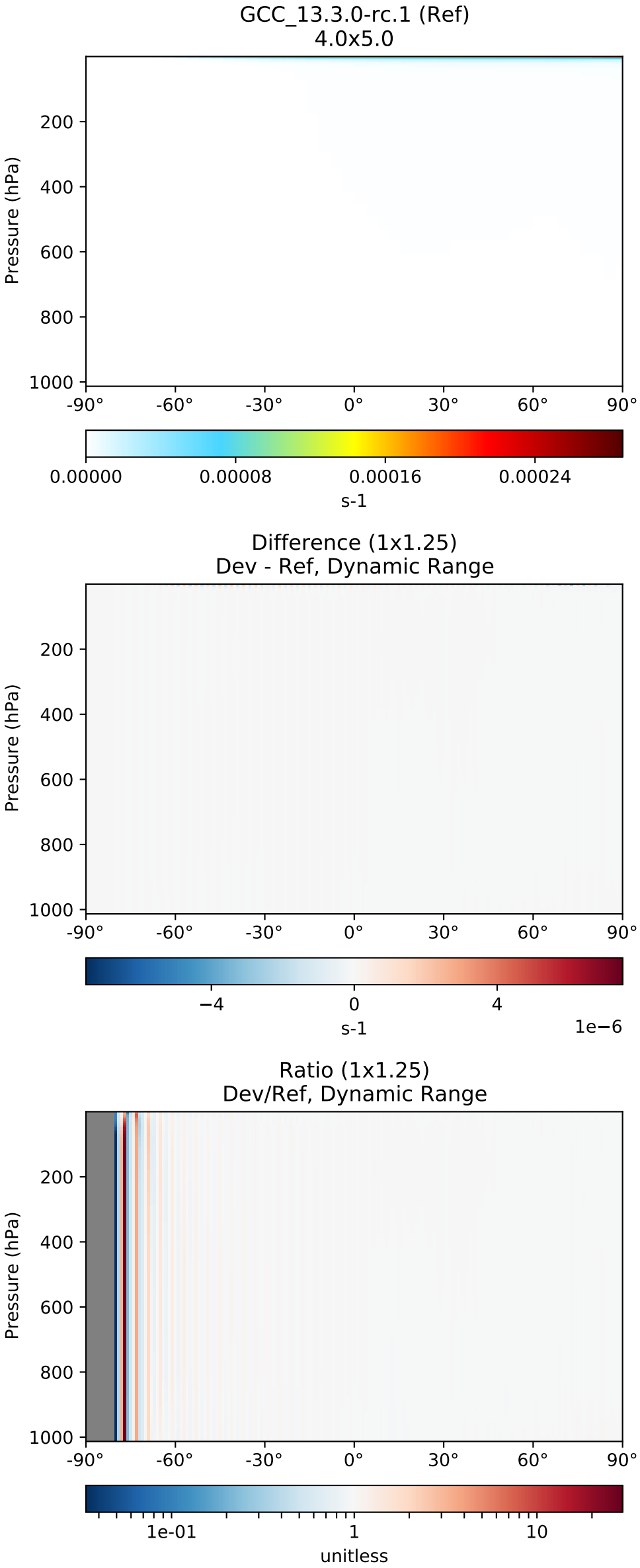


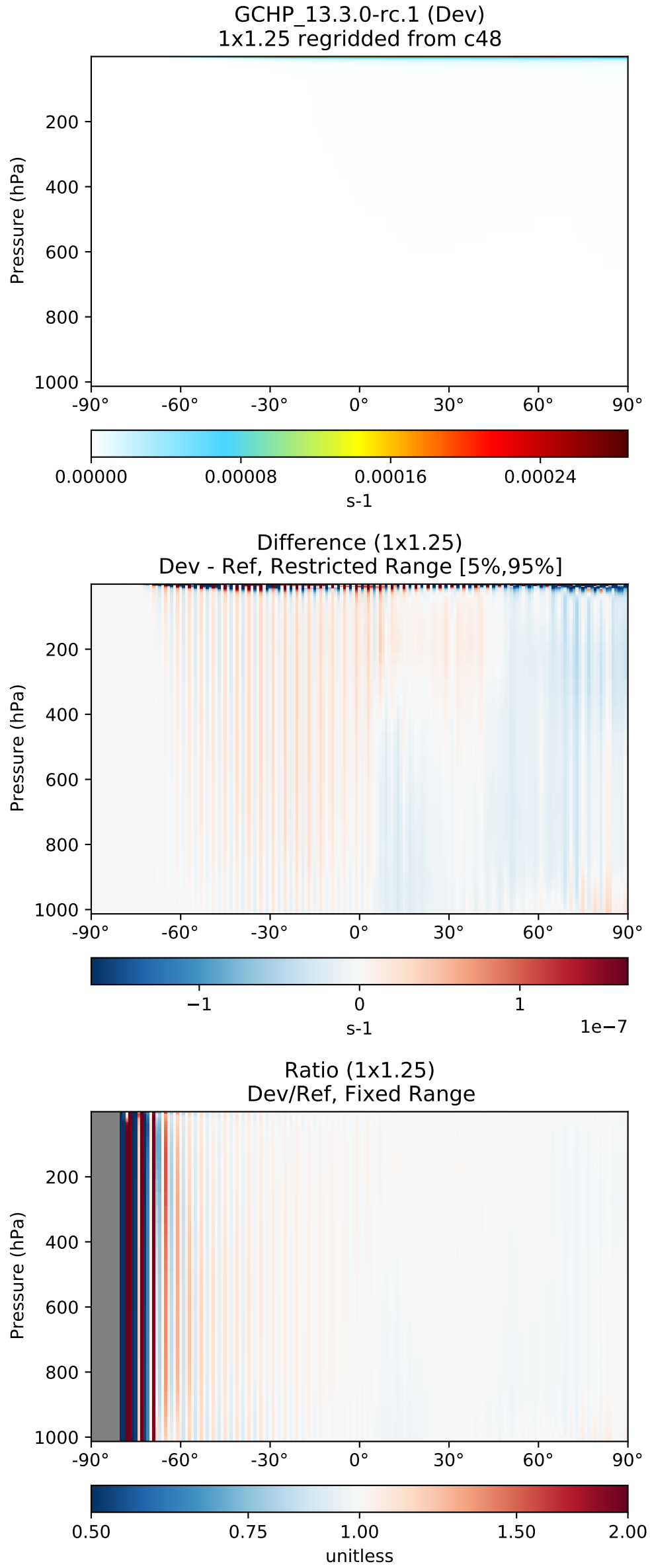
Jval_NPHEN, Zonal Mean



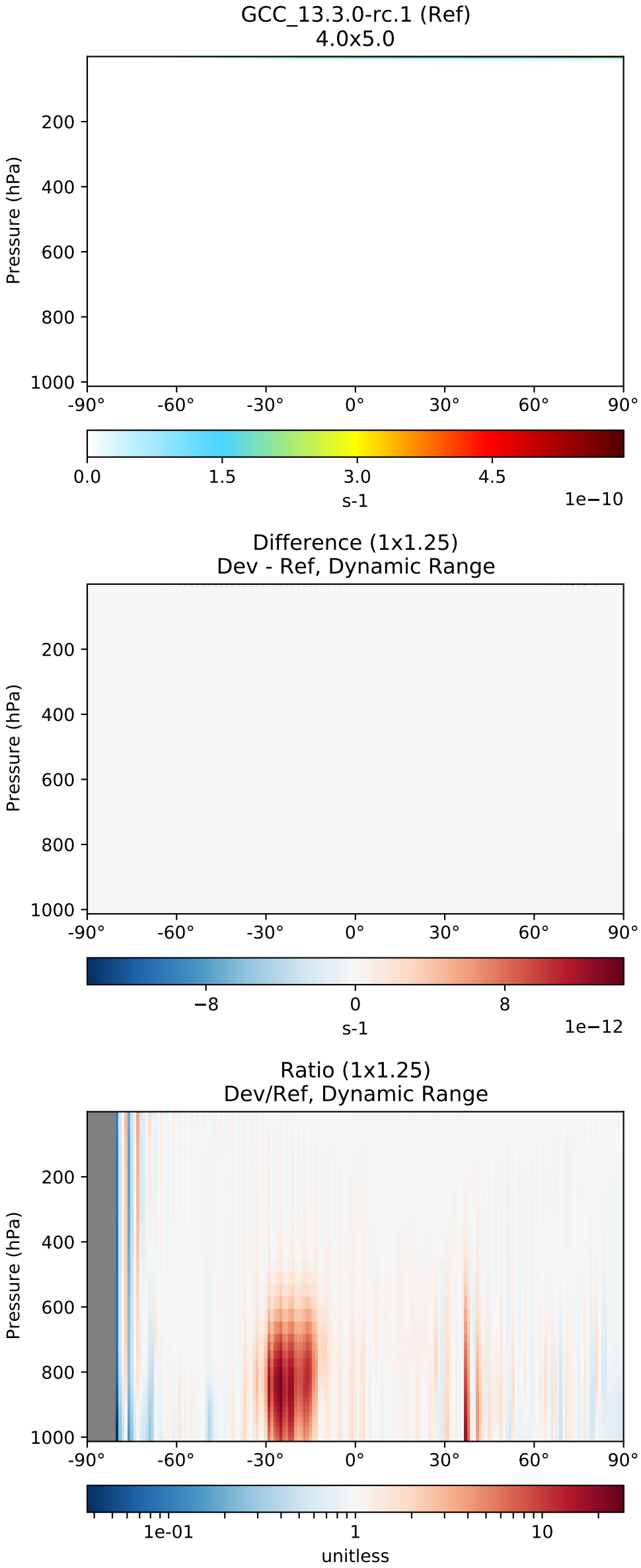


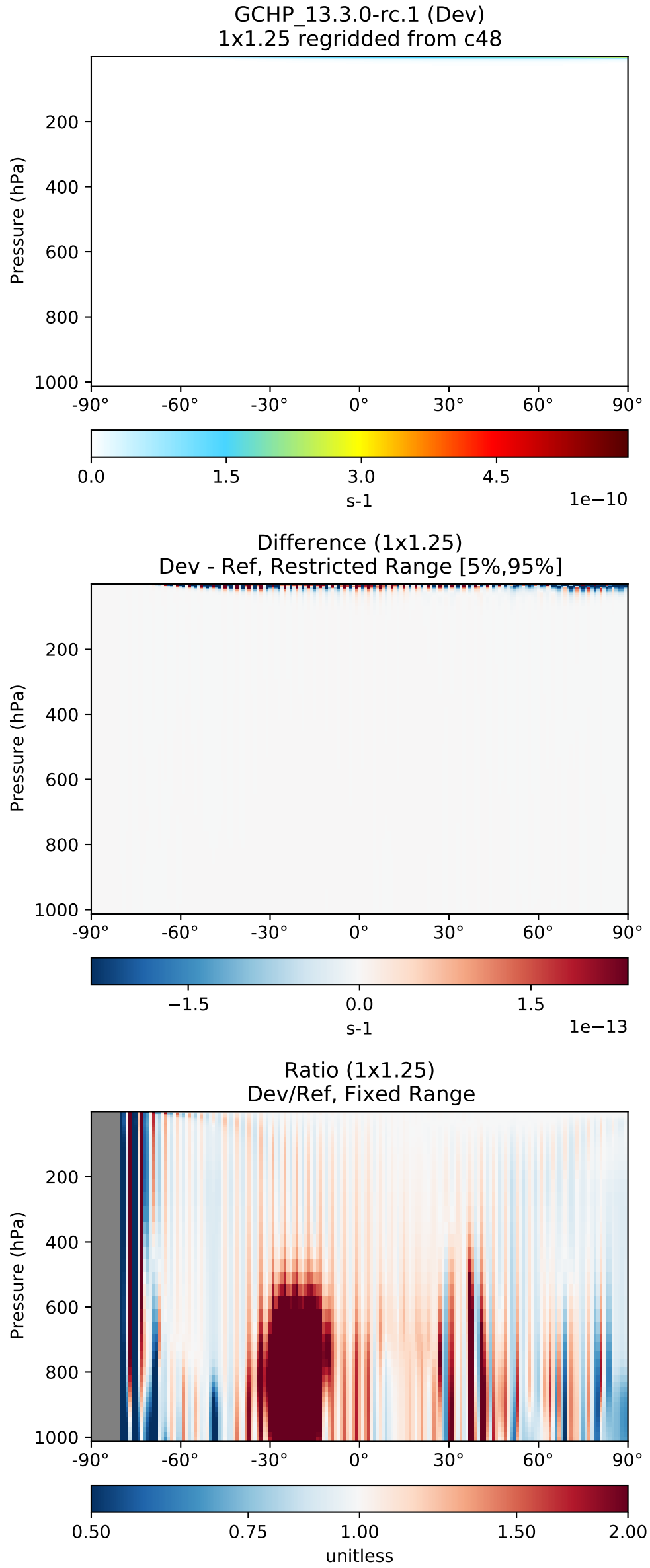
Jval_NPRNO3, Zonal Mean



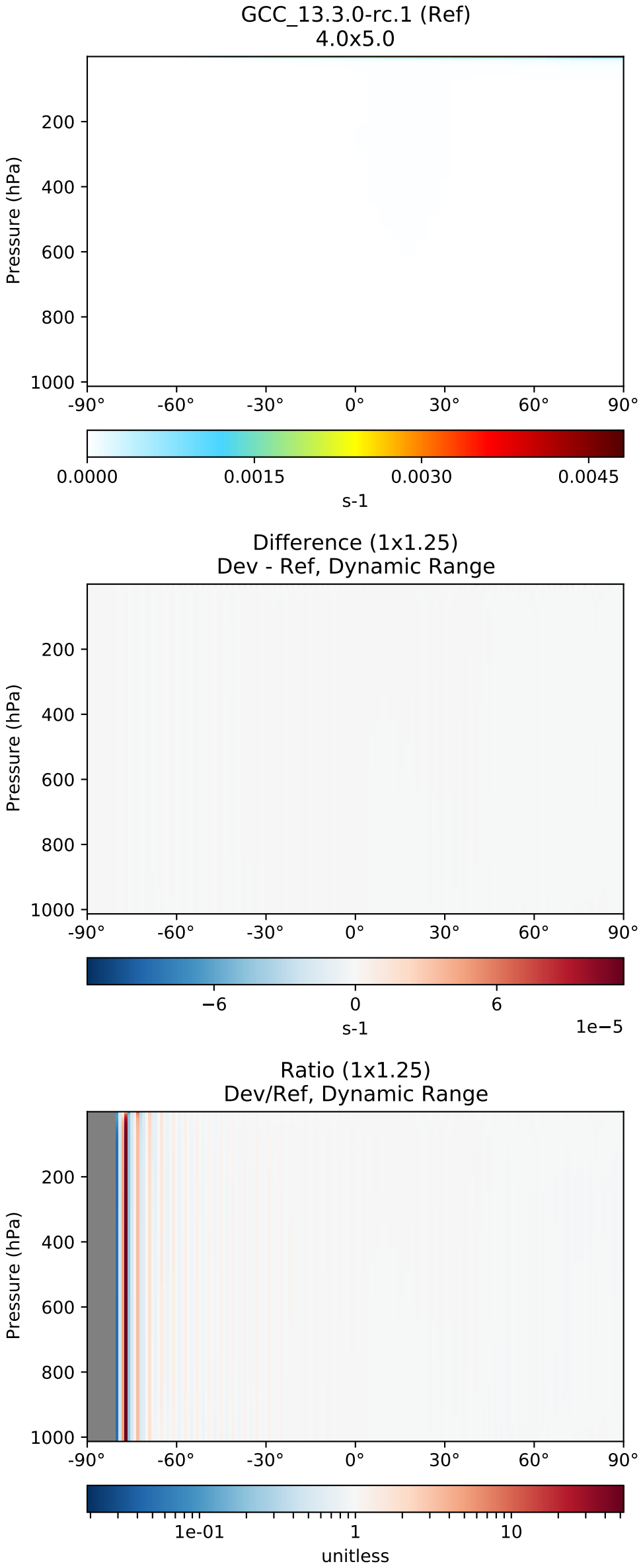


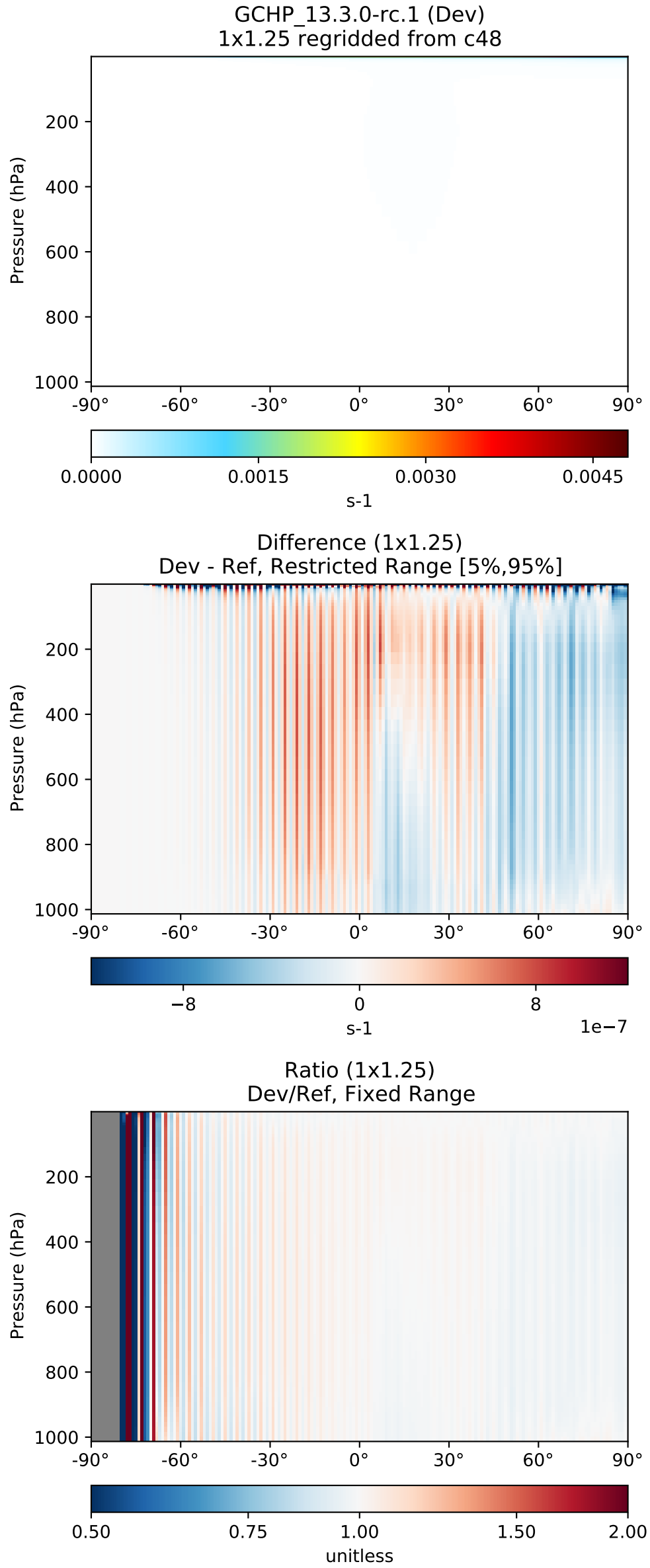
Jval_O2, Zonal Mean



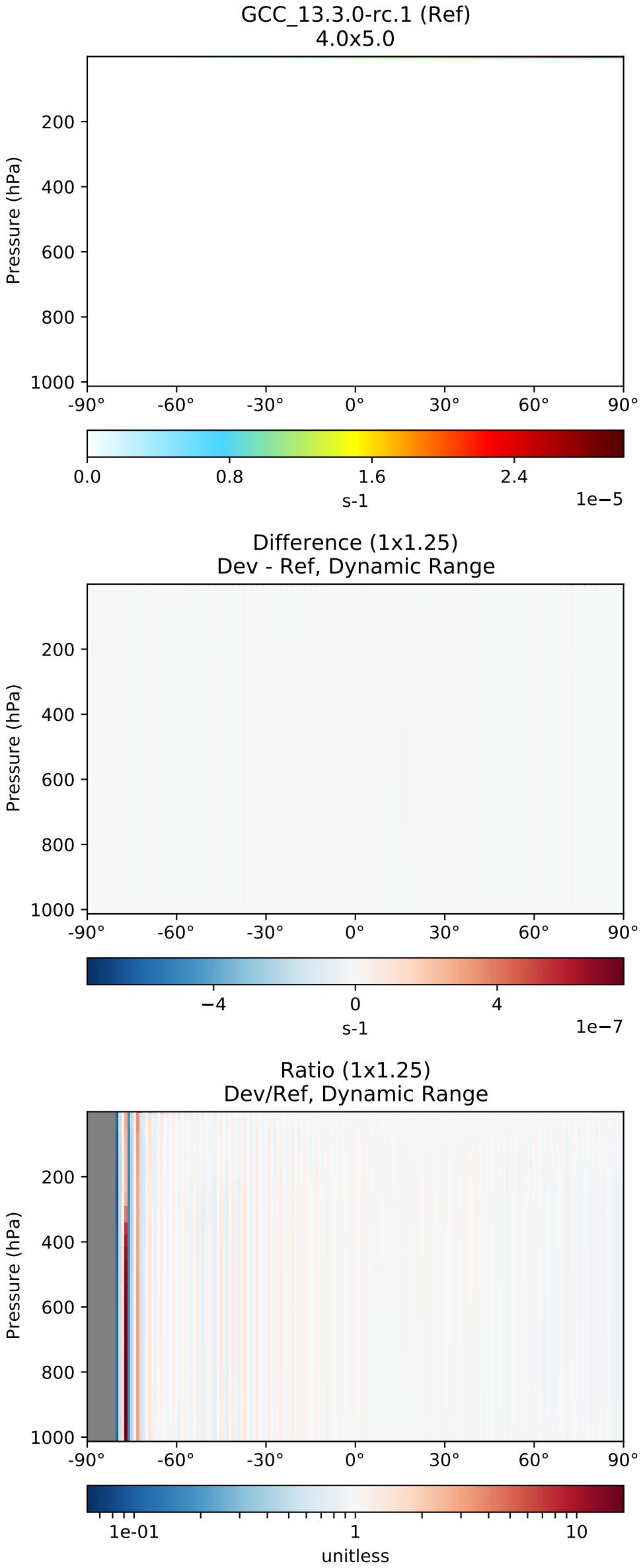


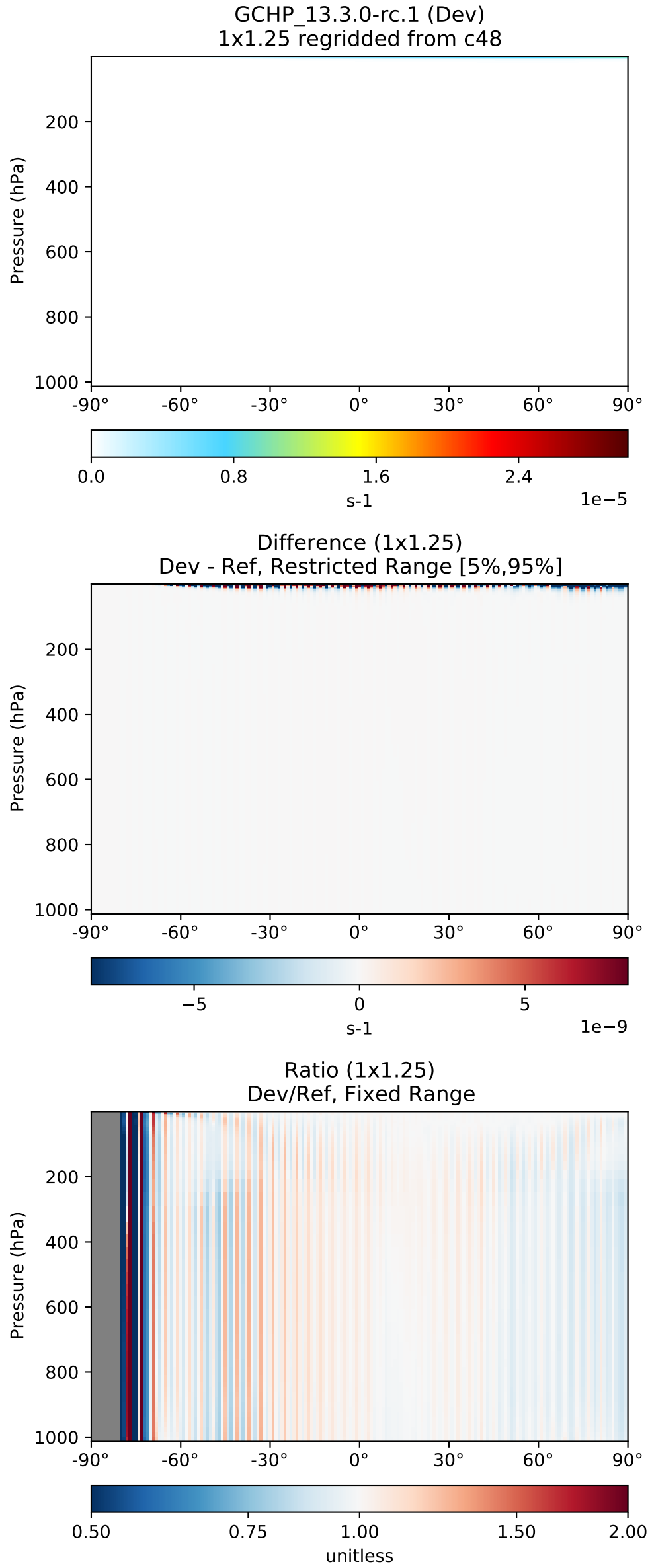
Jval_O3, Zonal Mean



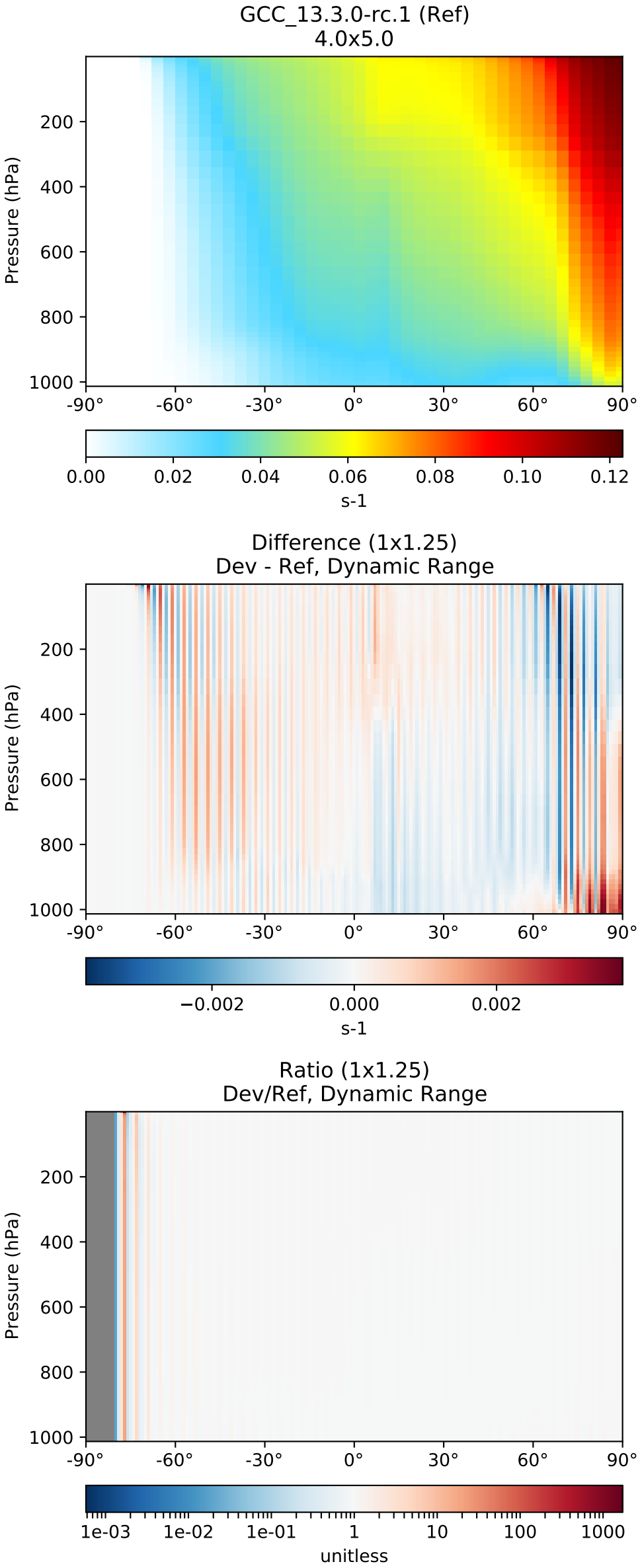


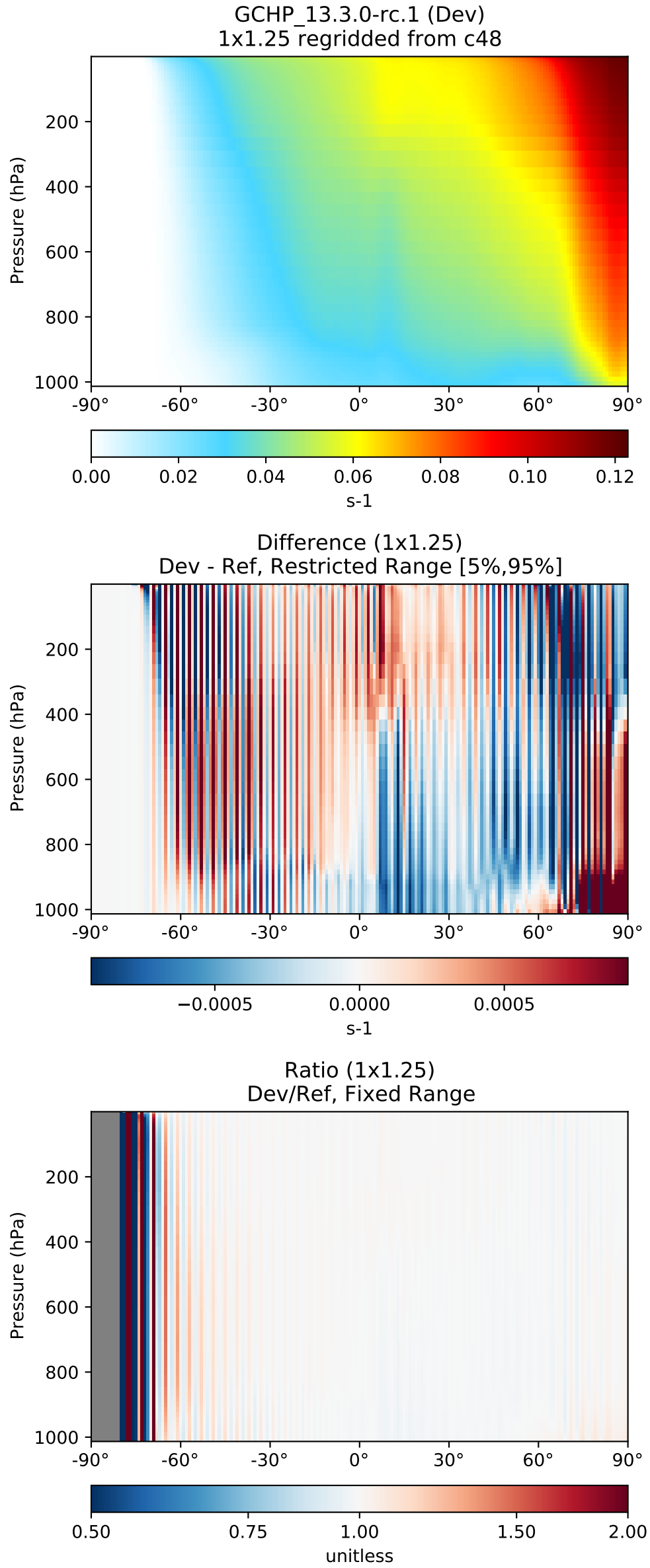
Jval_OCS, Zonal Mean



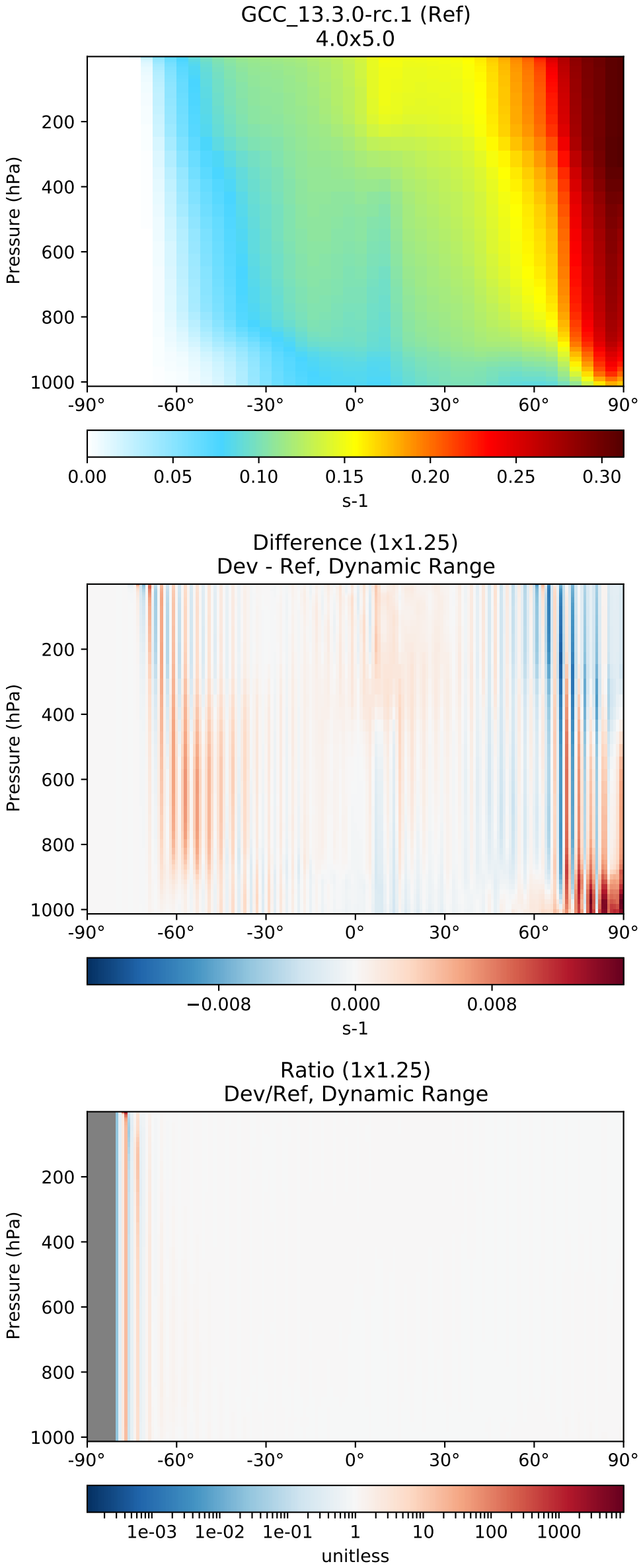


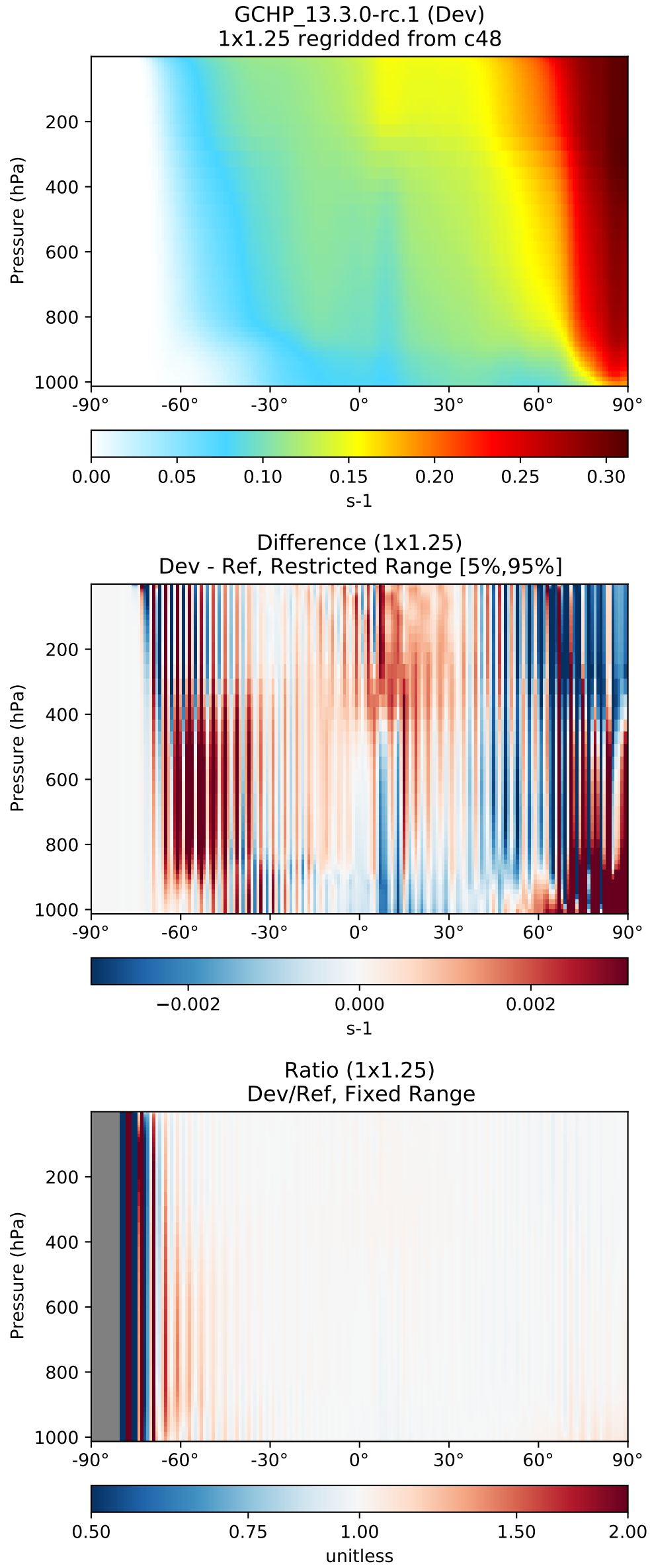
Jval_OClO, Zonal Mean



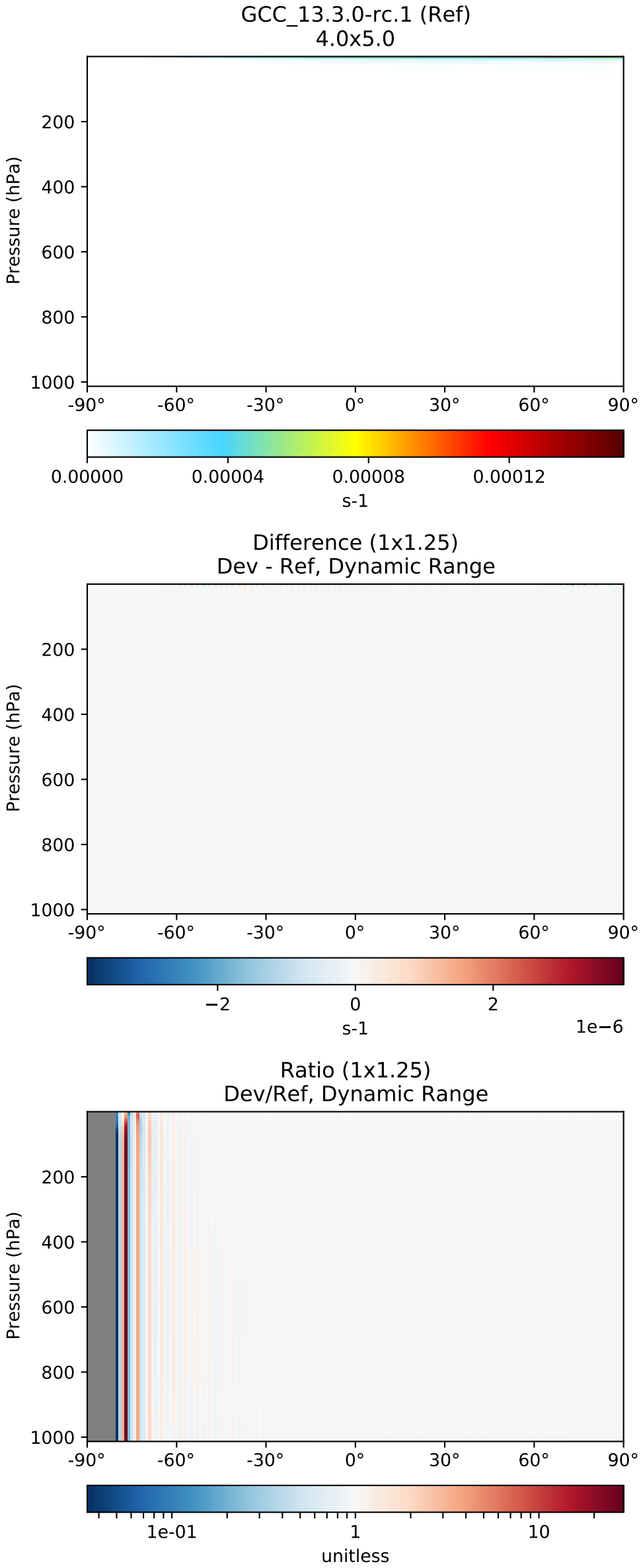


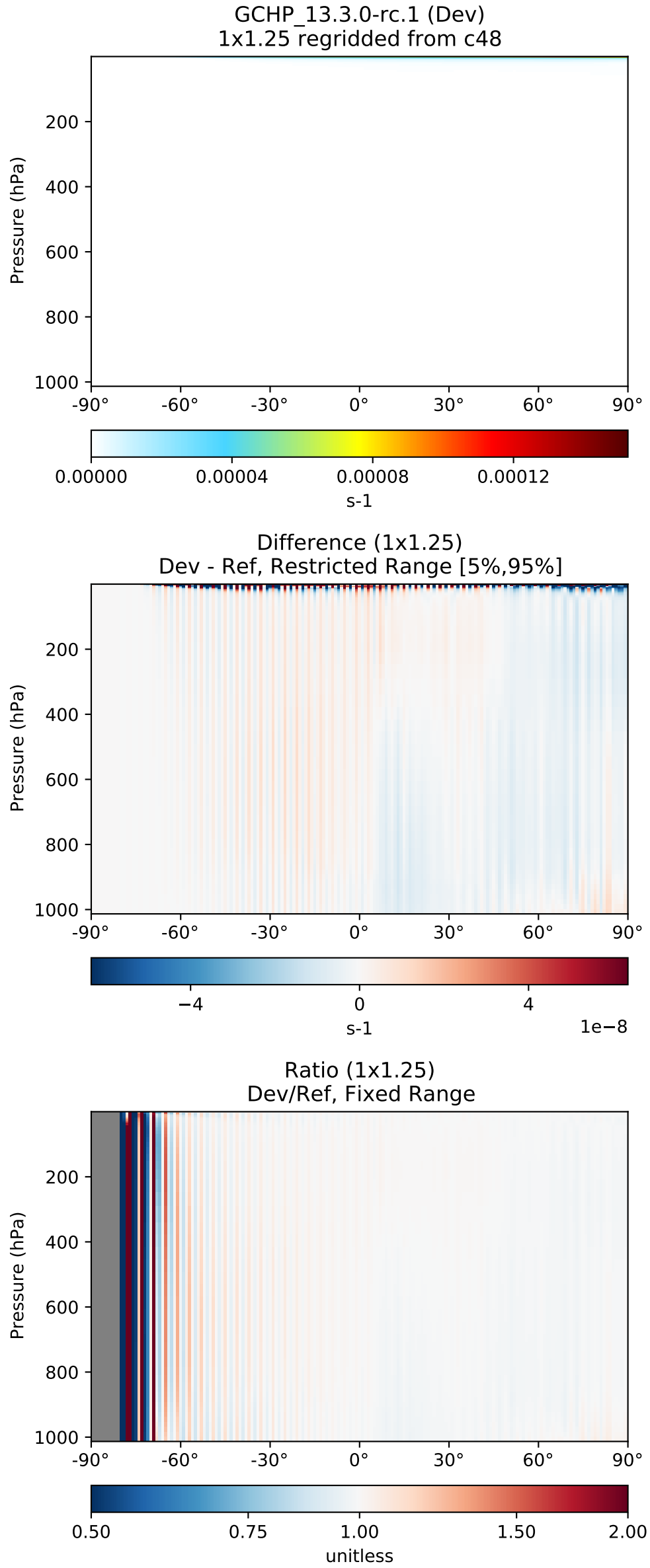
Jval_OIO, Zonal Mean



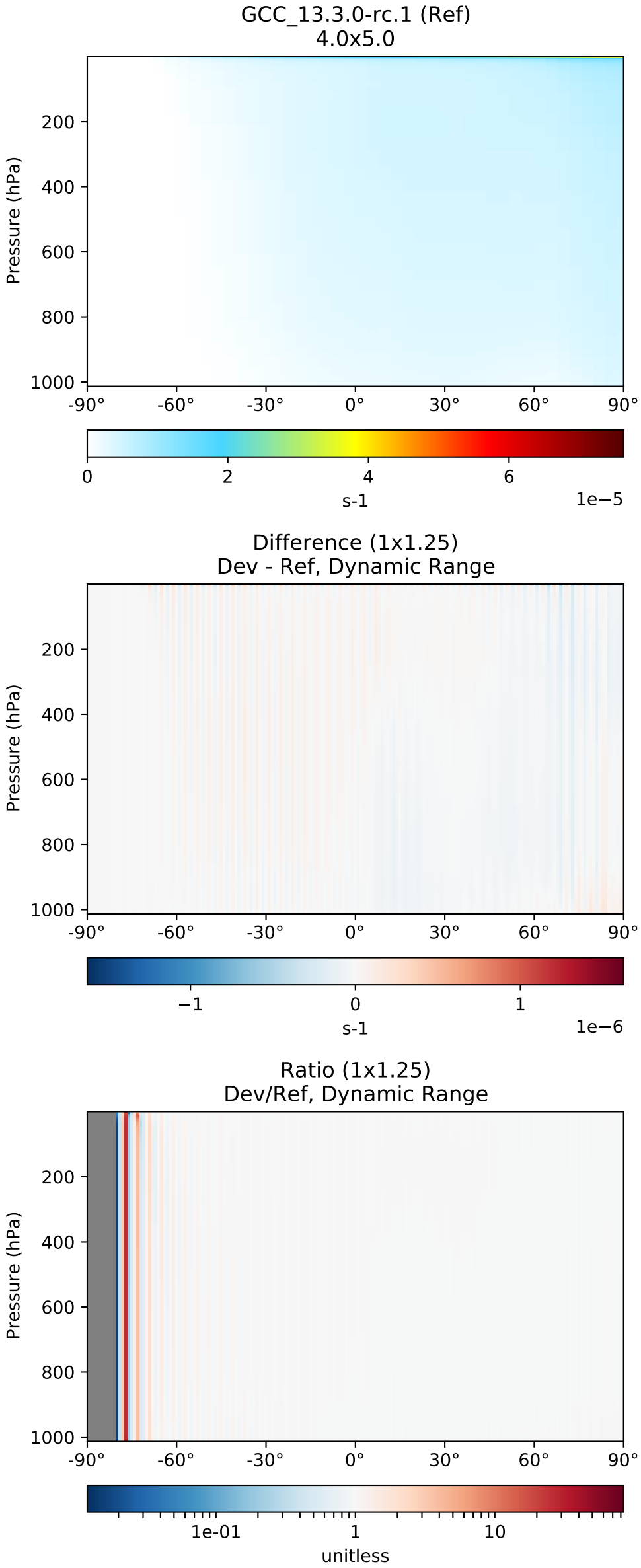


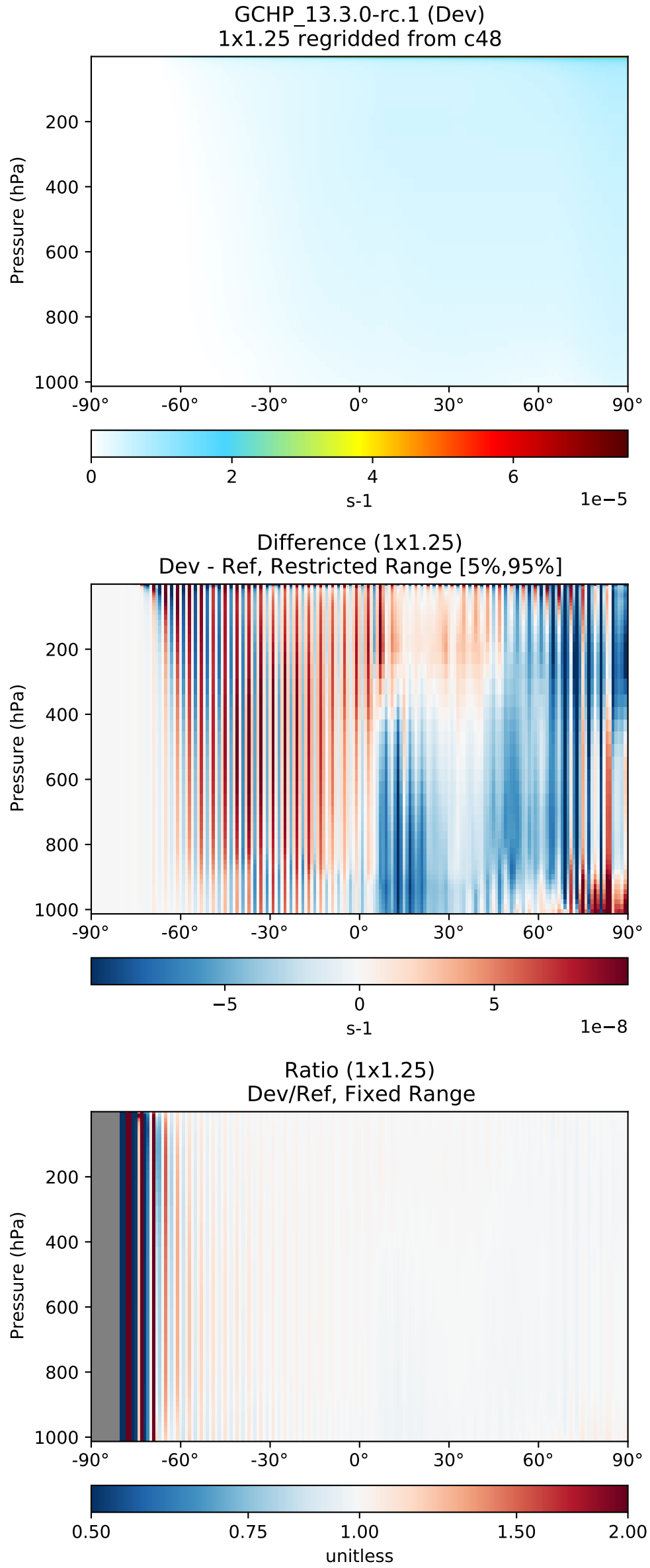
Jval_PAN, Zonal Mean



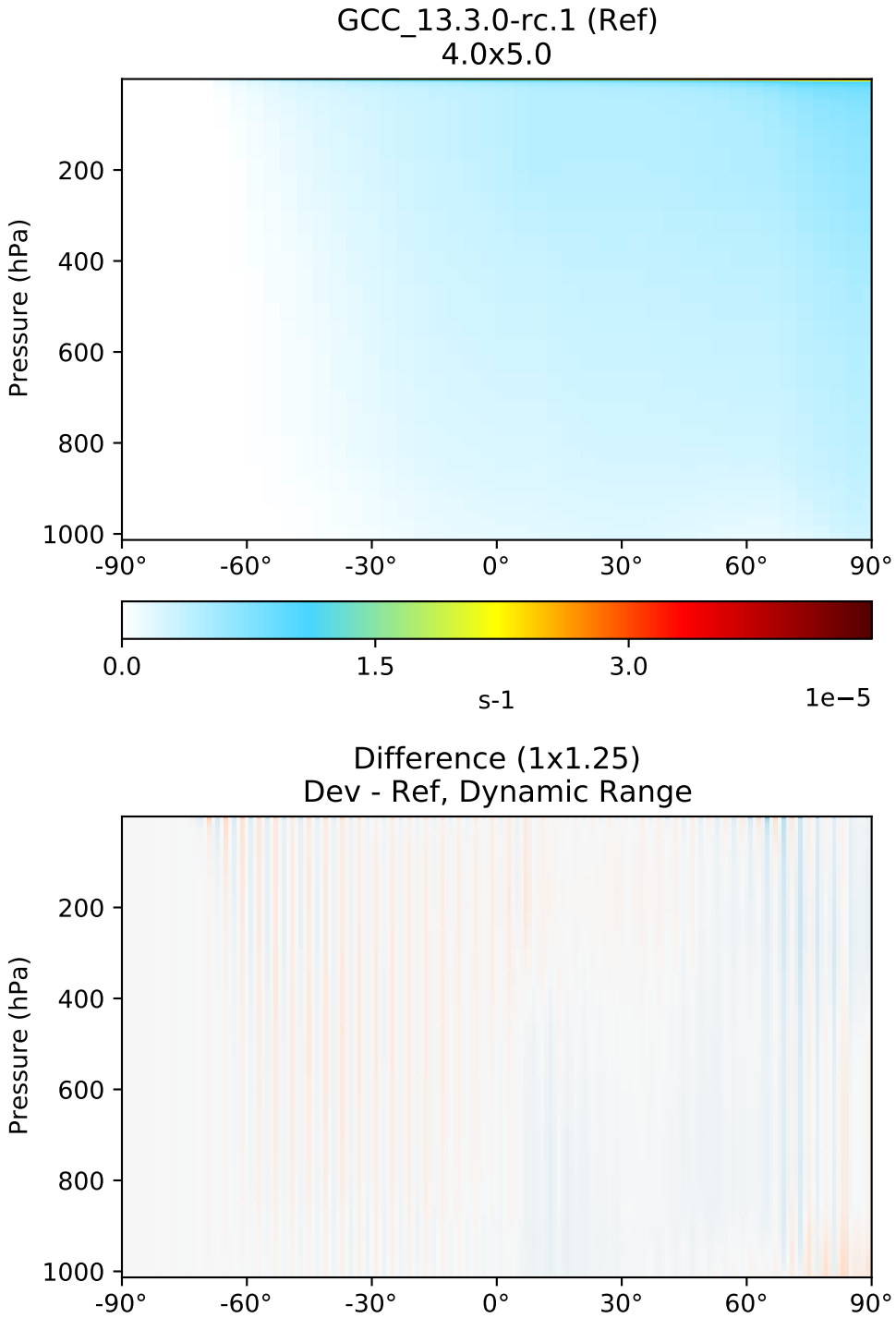


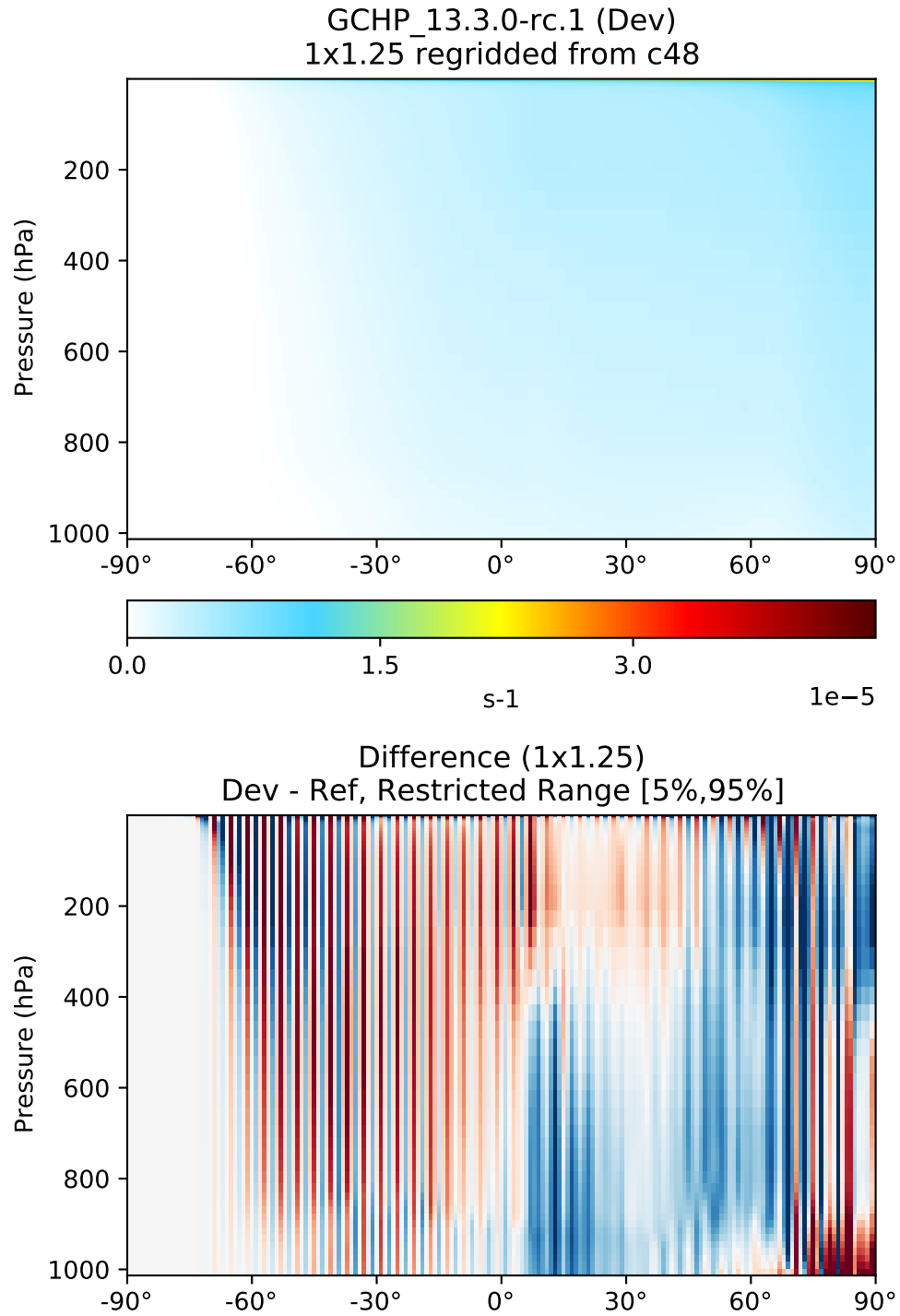
Jval_PIP, Zonal Mean

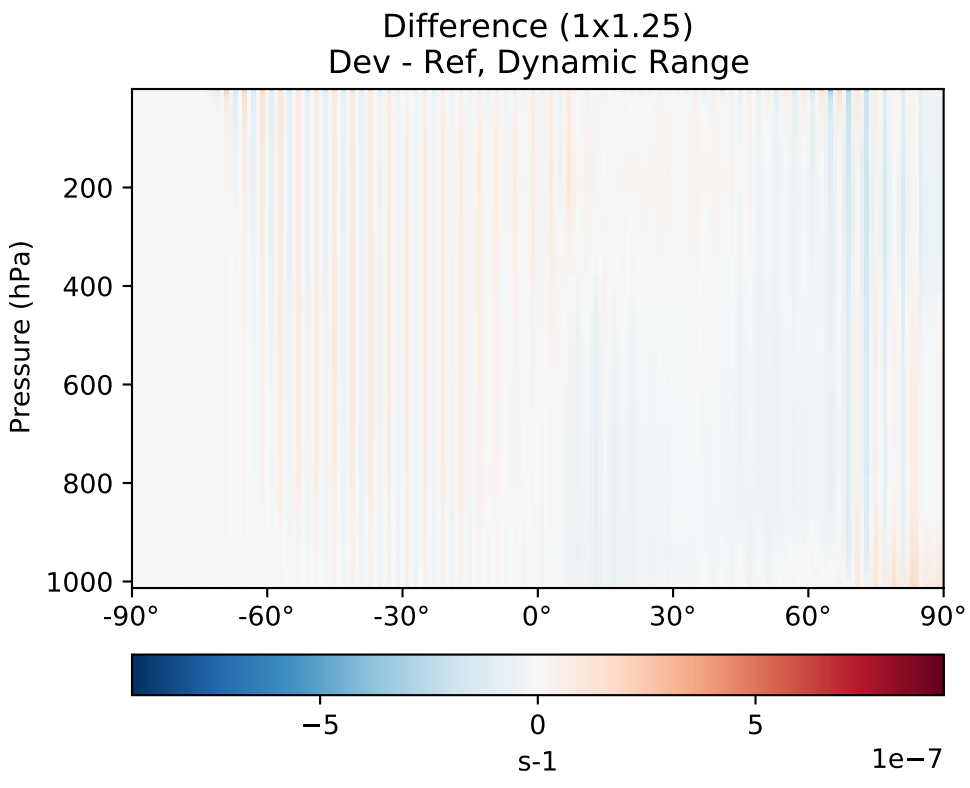


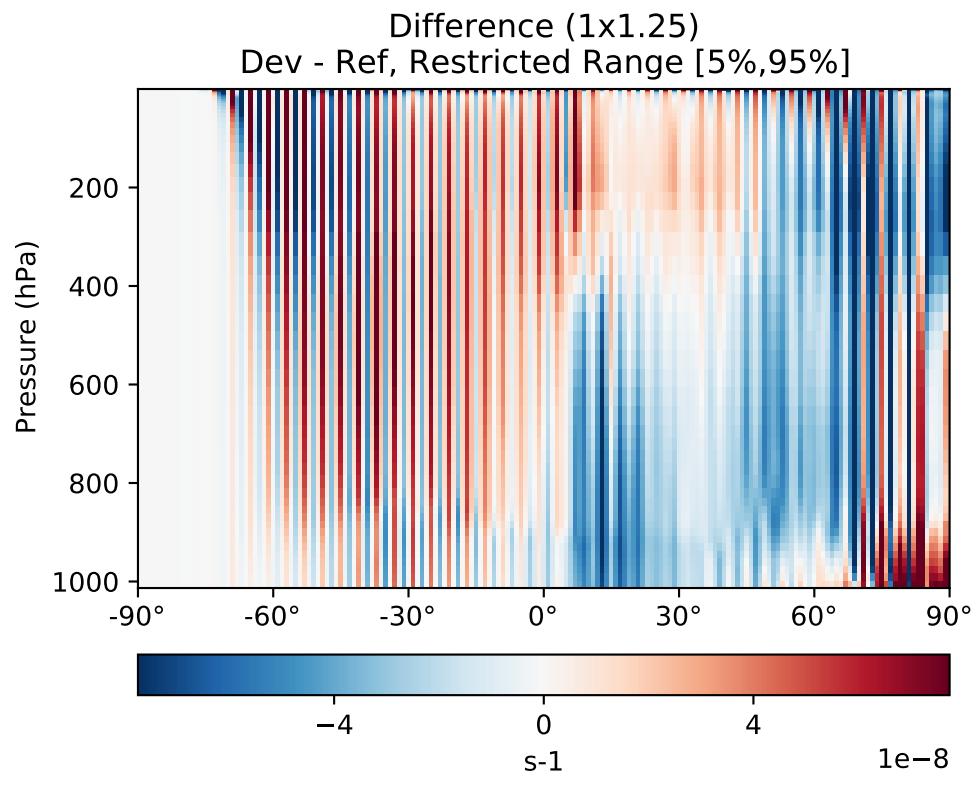


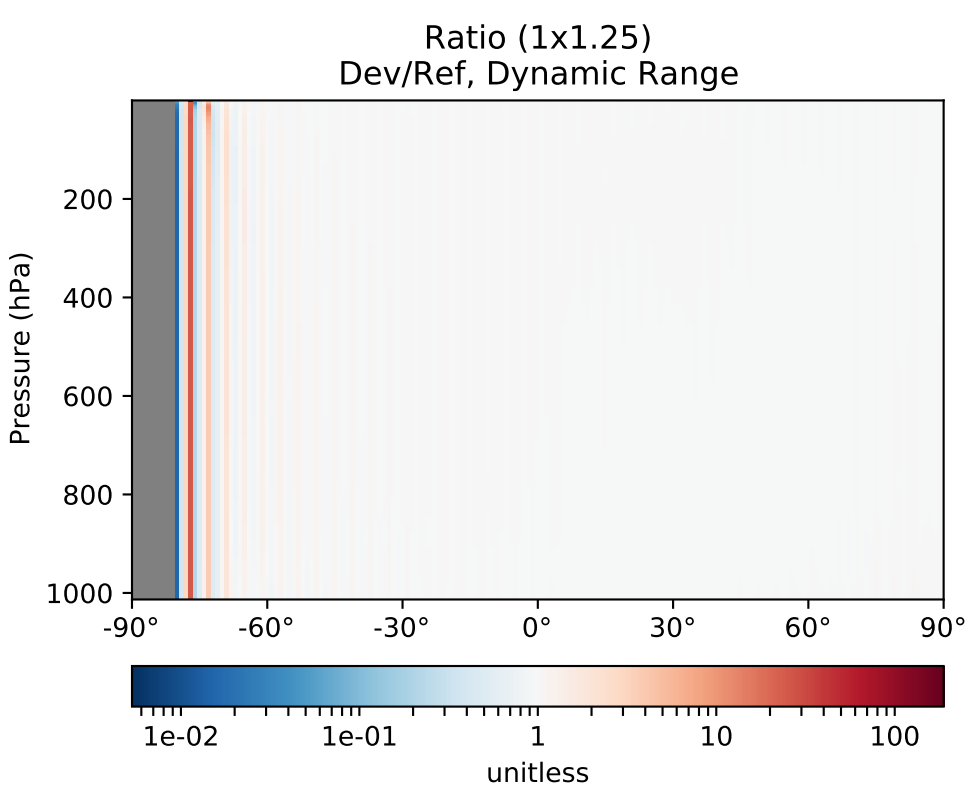
Jval_PP, Zonal Mean

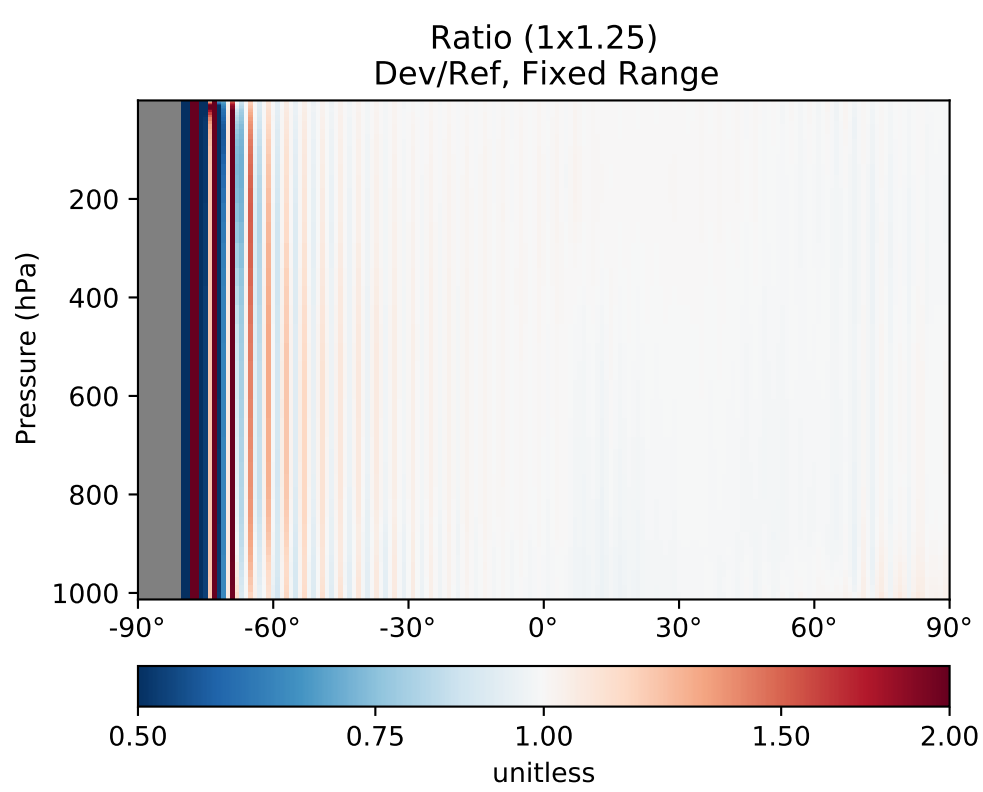




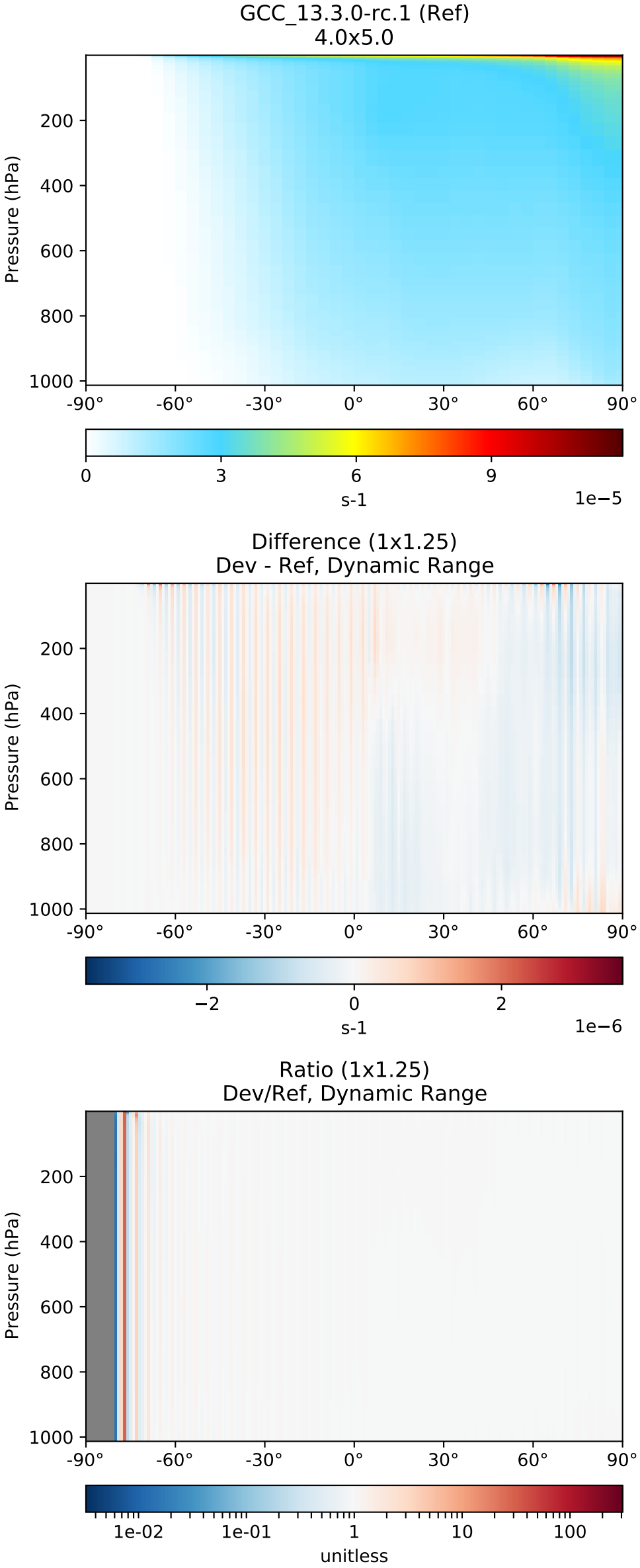


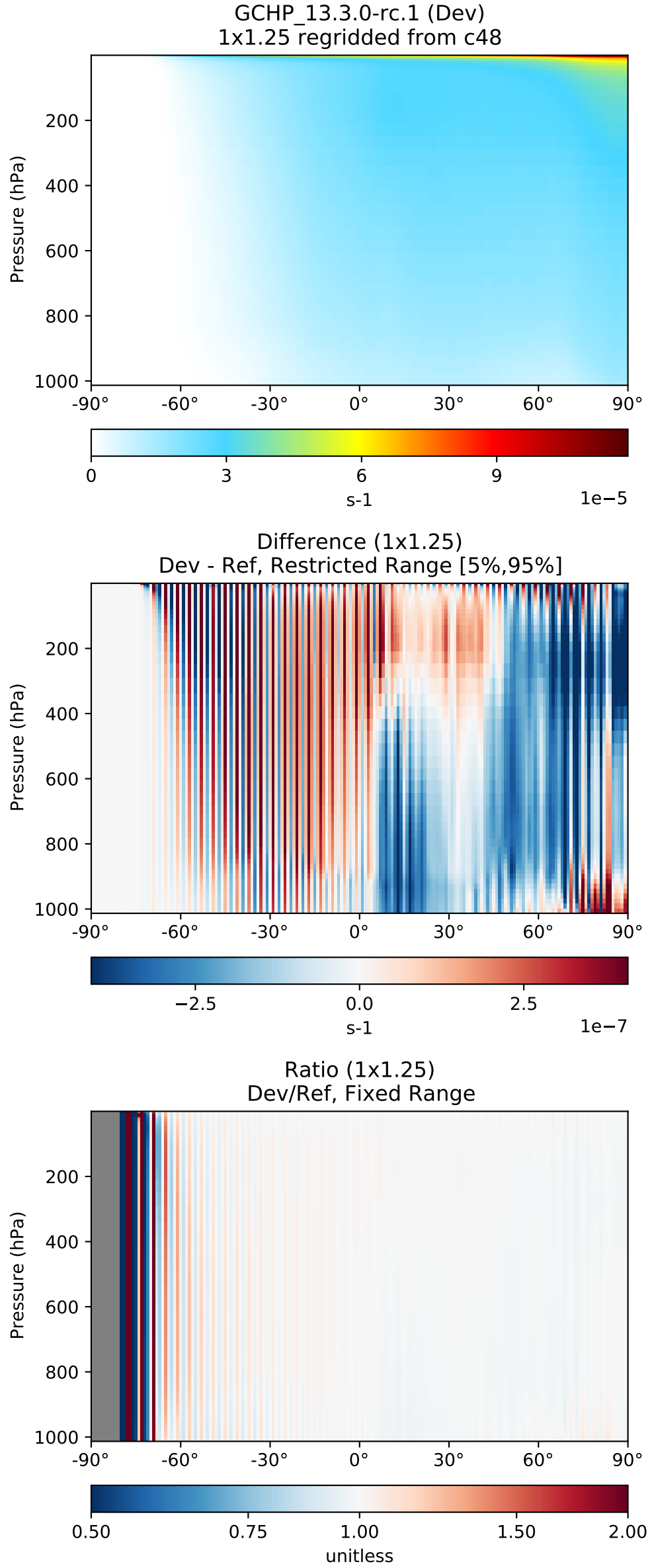




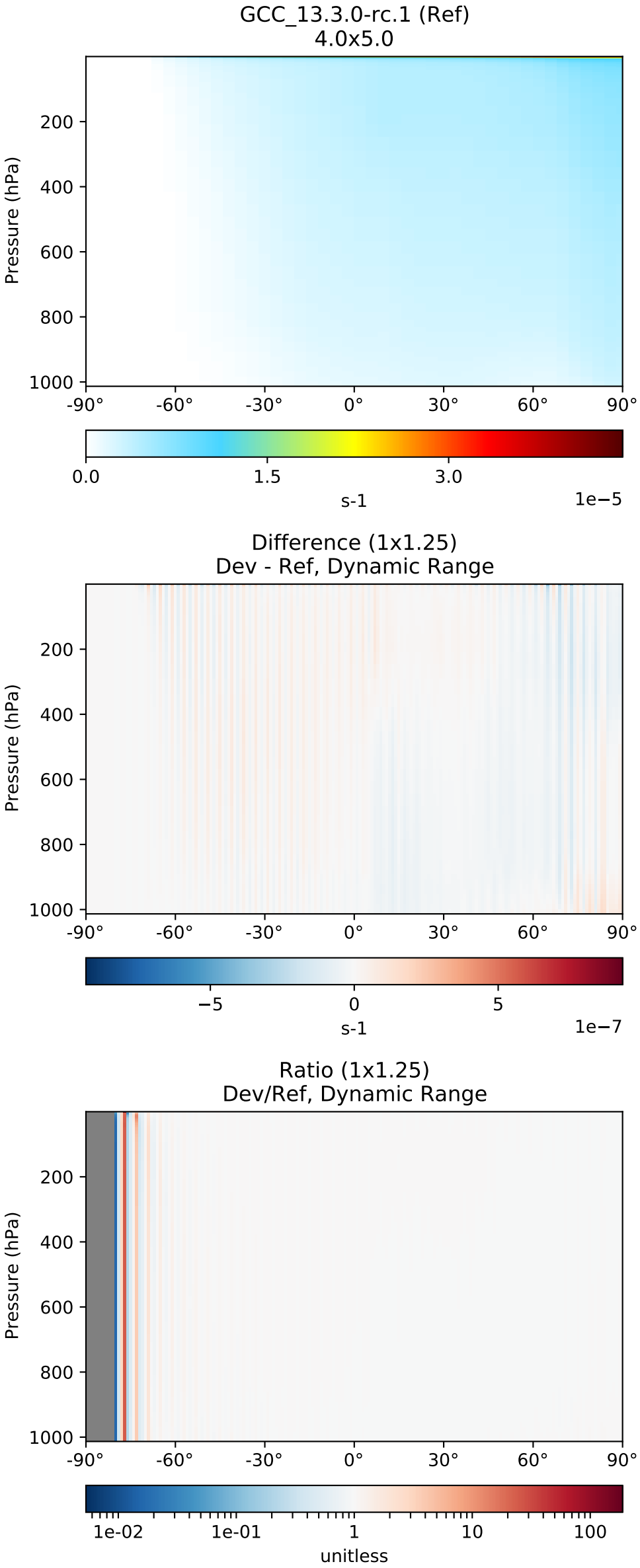


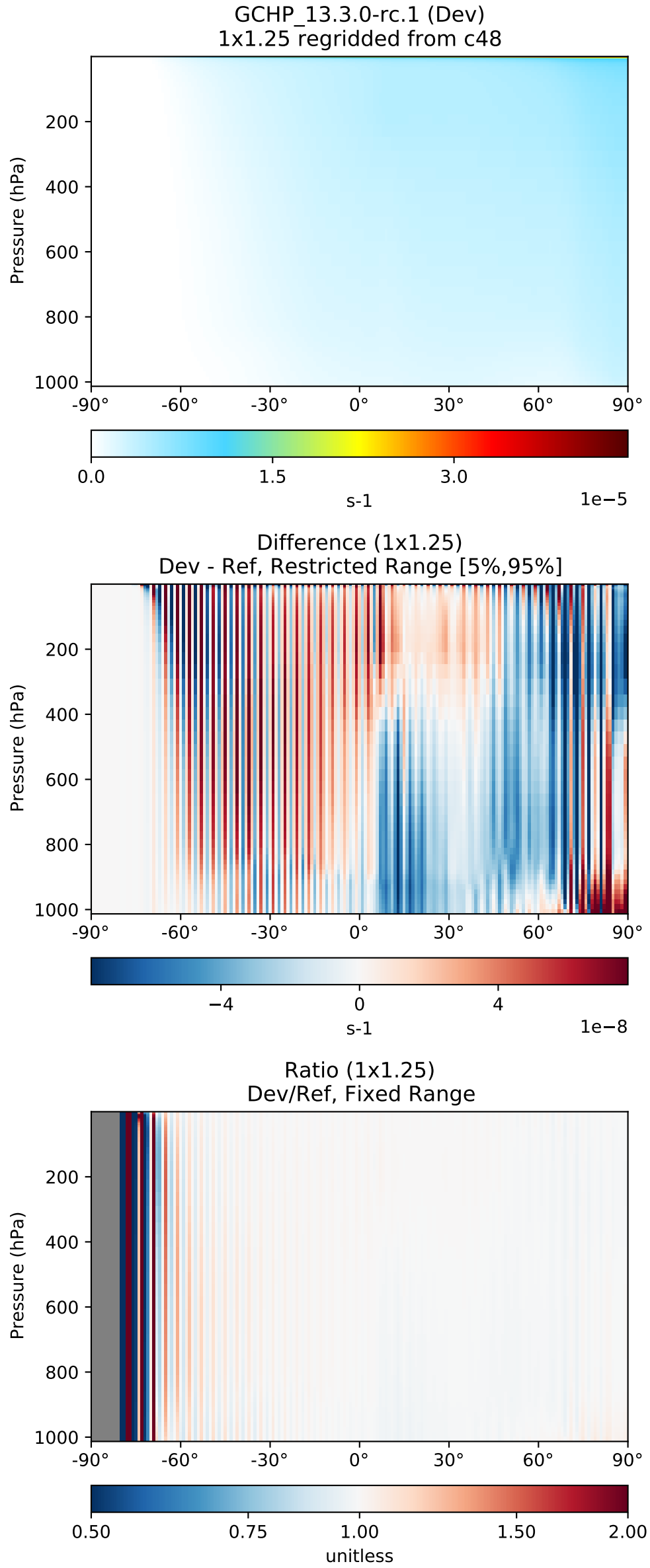
Jval_PROPNN, Zonal Mean





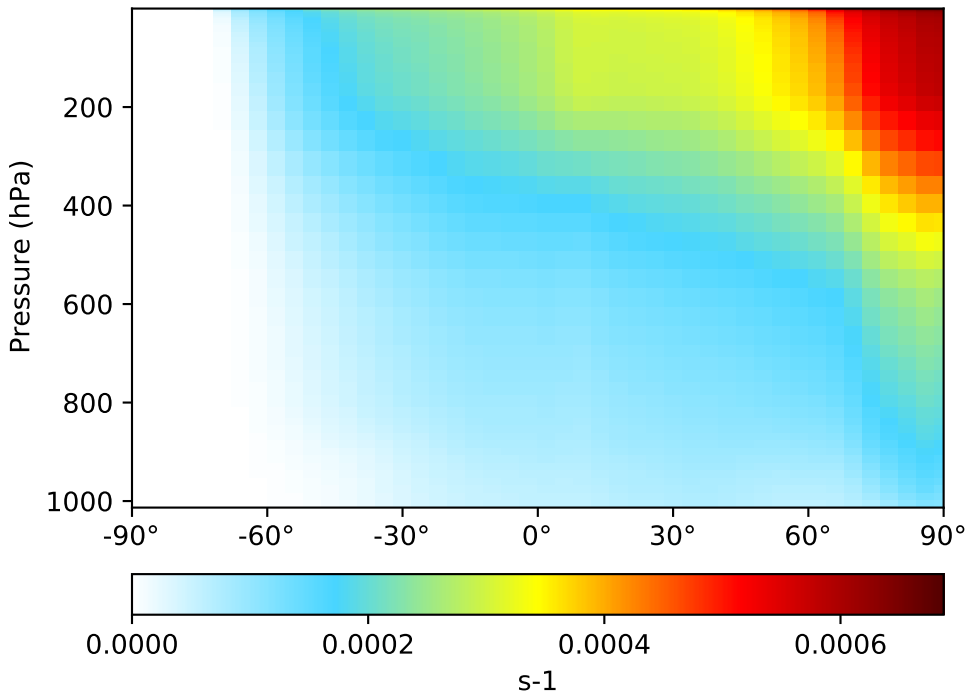
Jval_PRPN, Zonal Mean



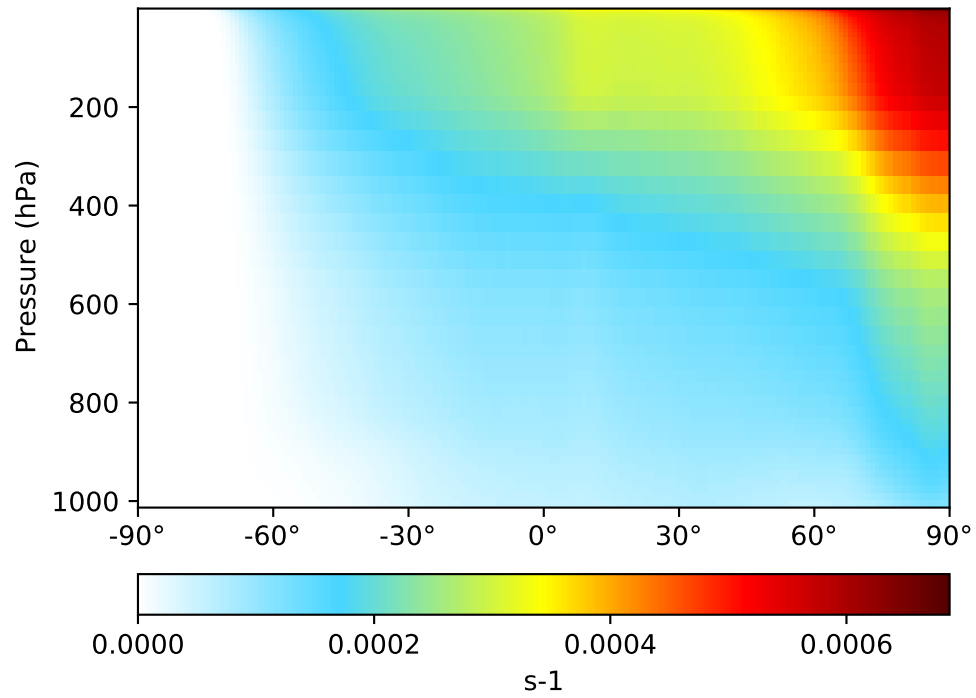


Jval_PYAC, Zonal Mean

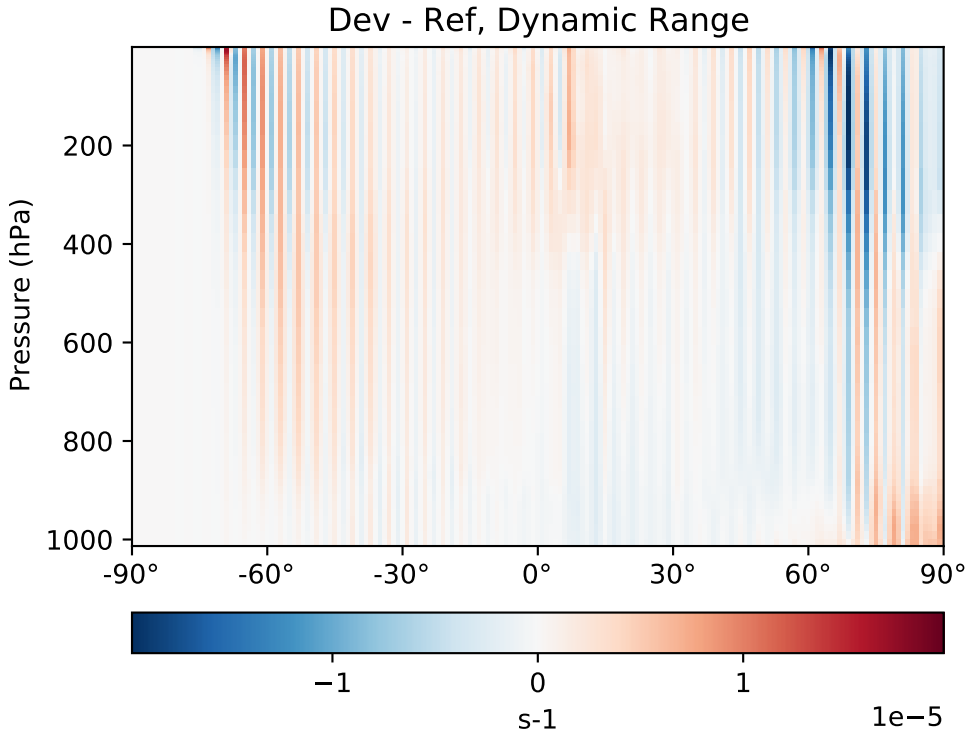
GCC_13.3.0-rc.1 (Ref)
4.0x5.0



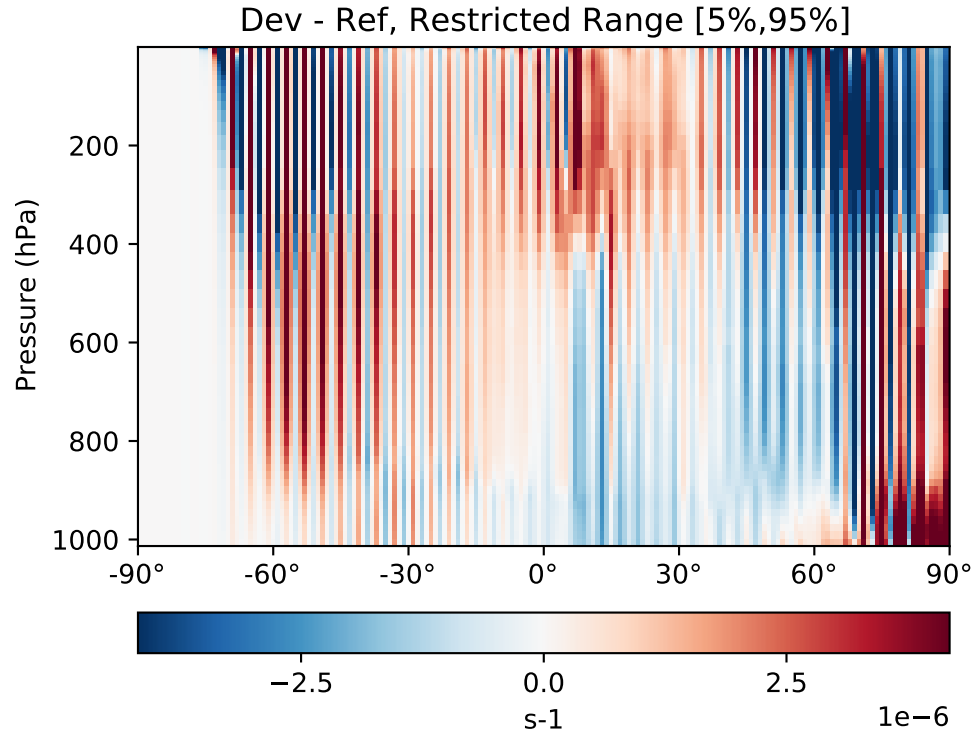
GCHP_13.3.0-rc.1 (Dev)
1x1.25 regridded from c48



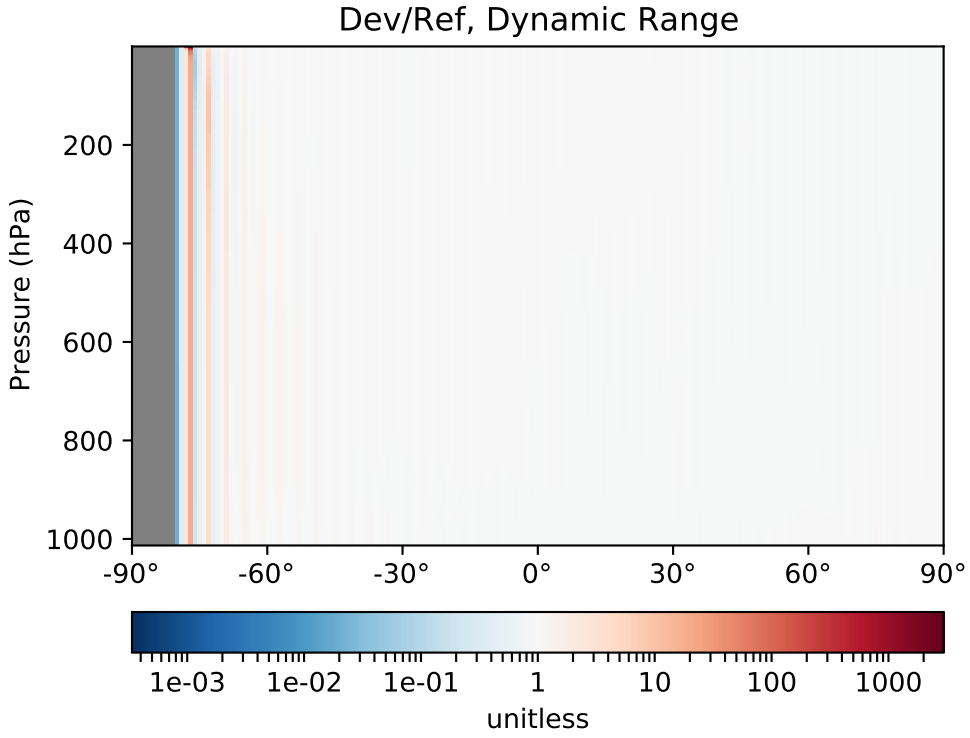
Difference (1x1.25)
Dev - Ref, Dynamic Range



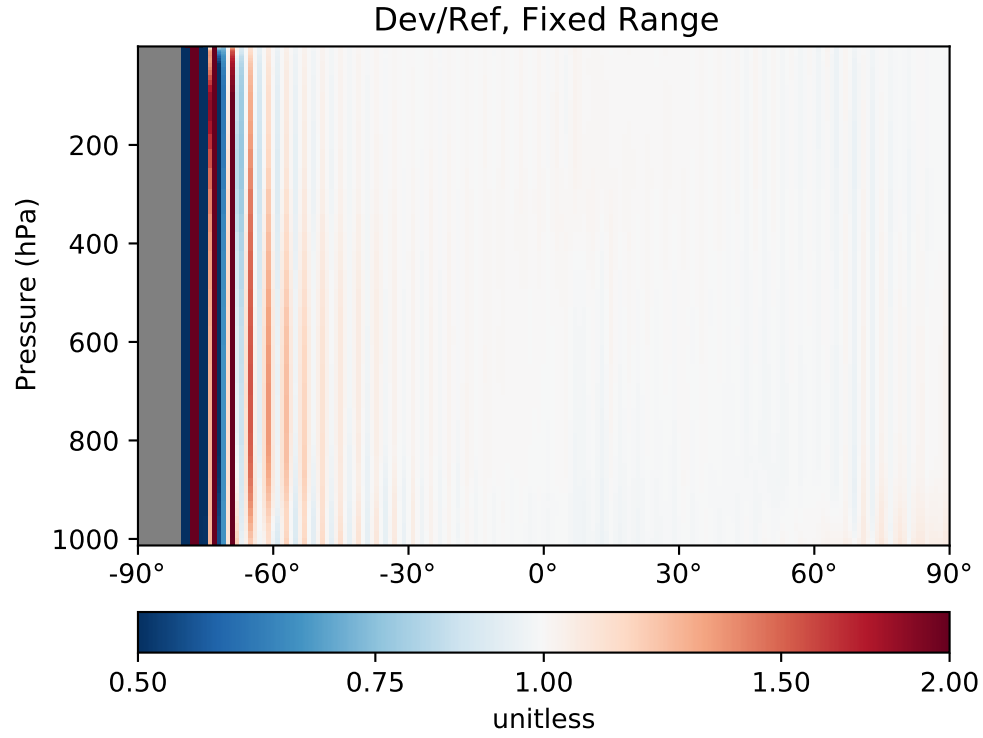
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



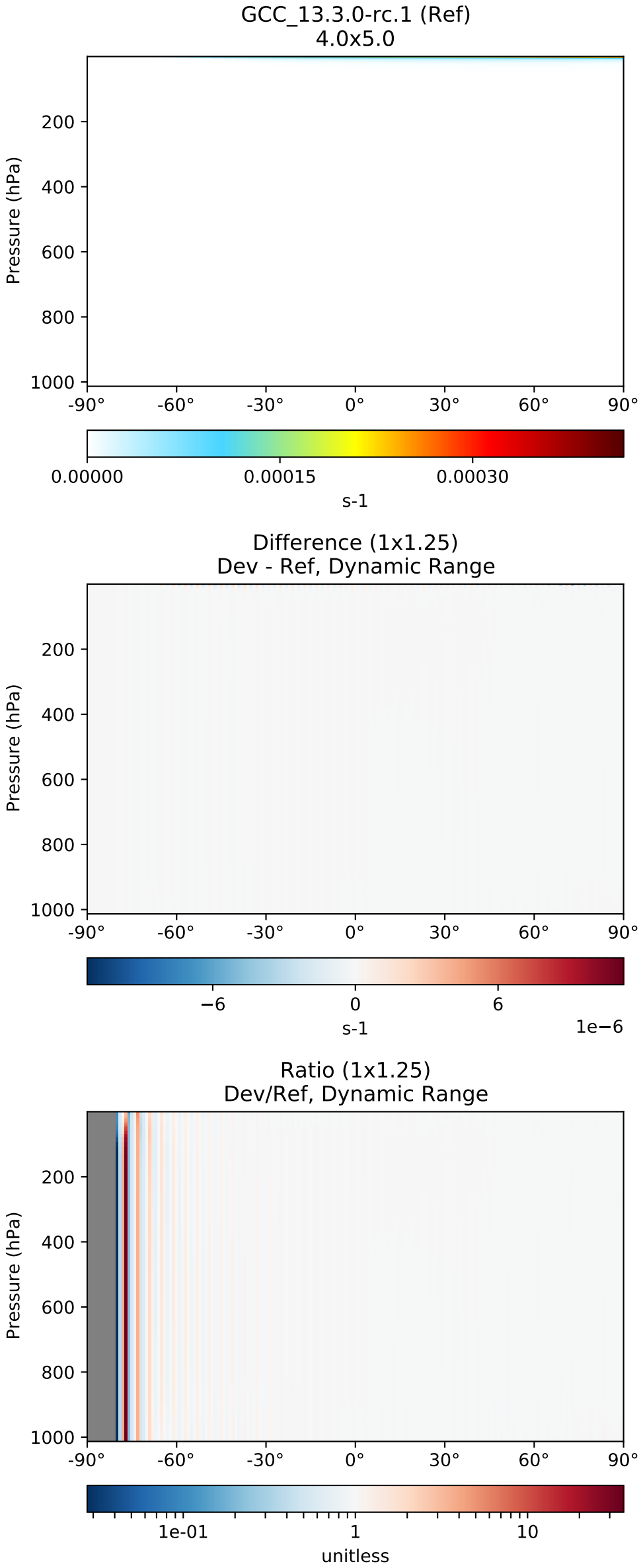
Ratio (1x1.25)
Dev/Ref, Dynamic Range

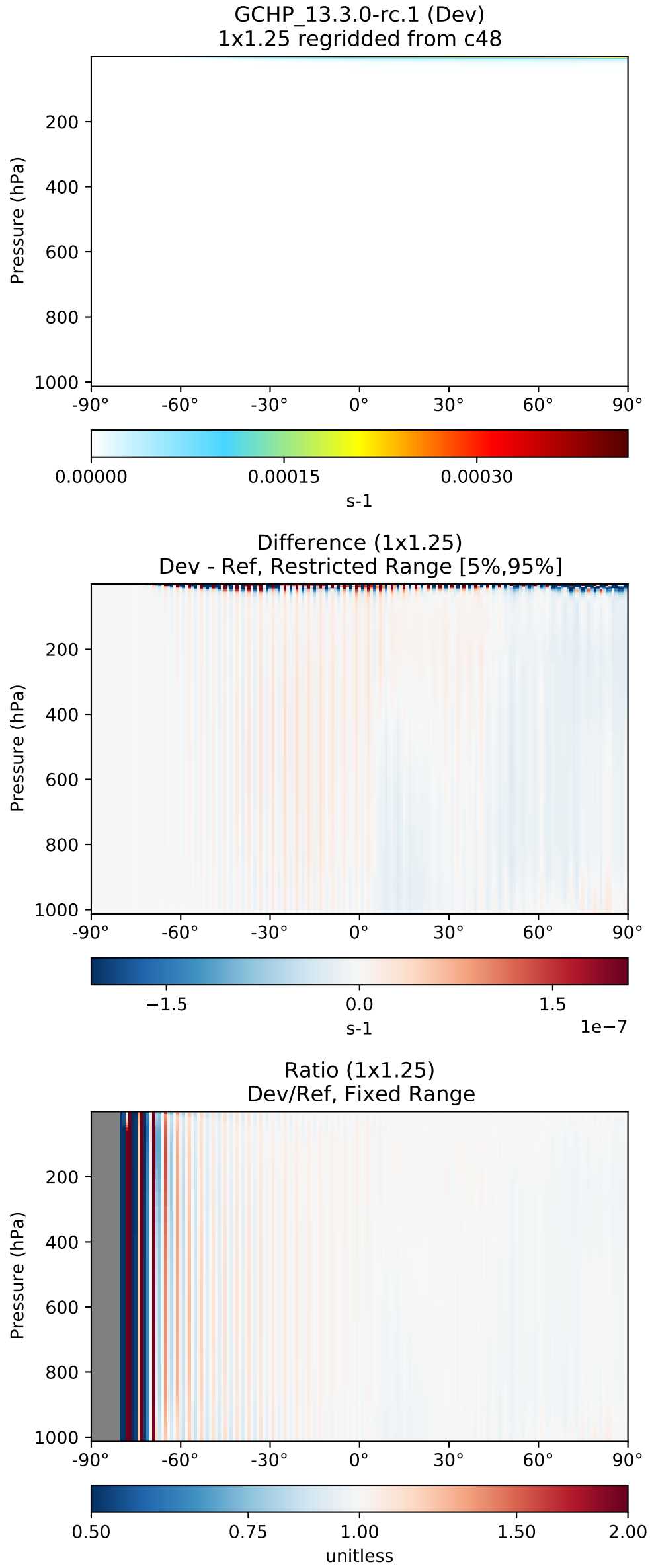


Ratio (1x1.25)
Dev/Ref, Fixed Range

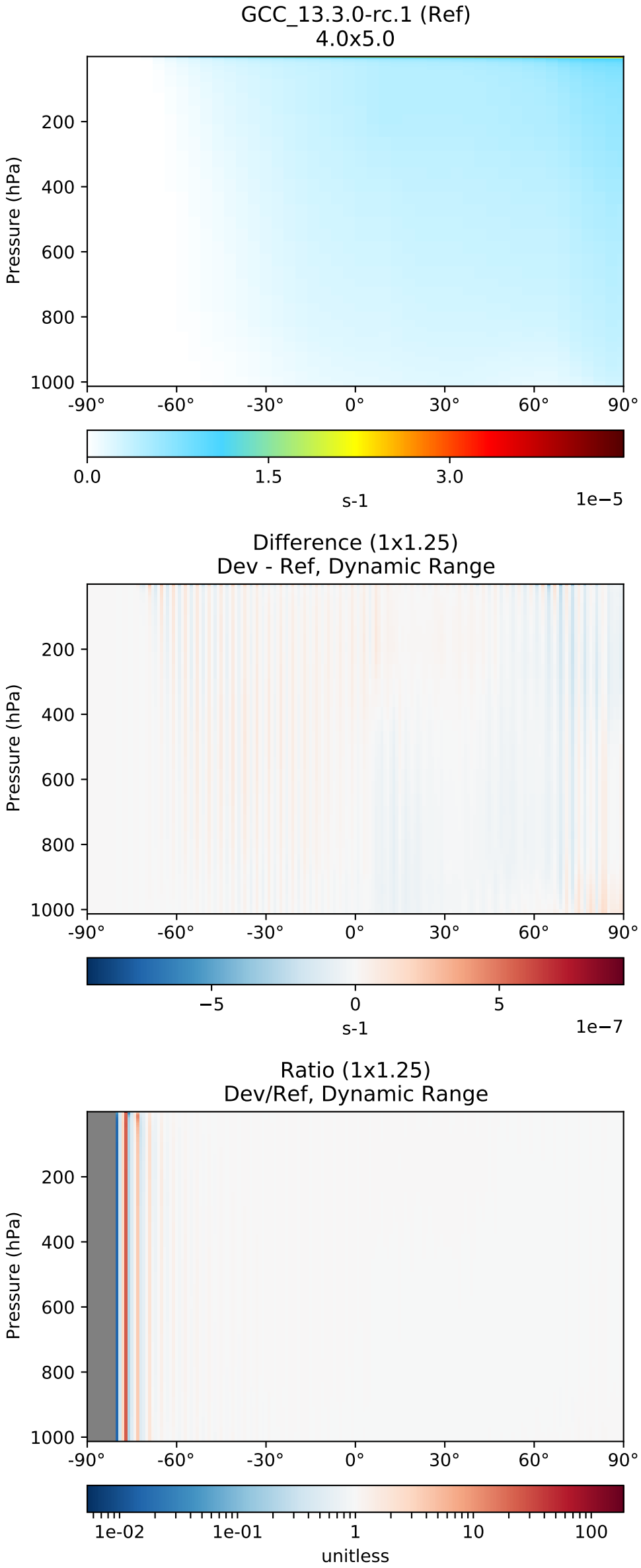


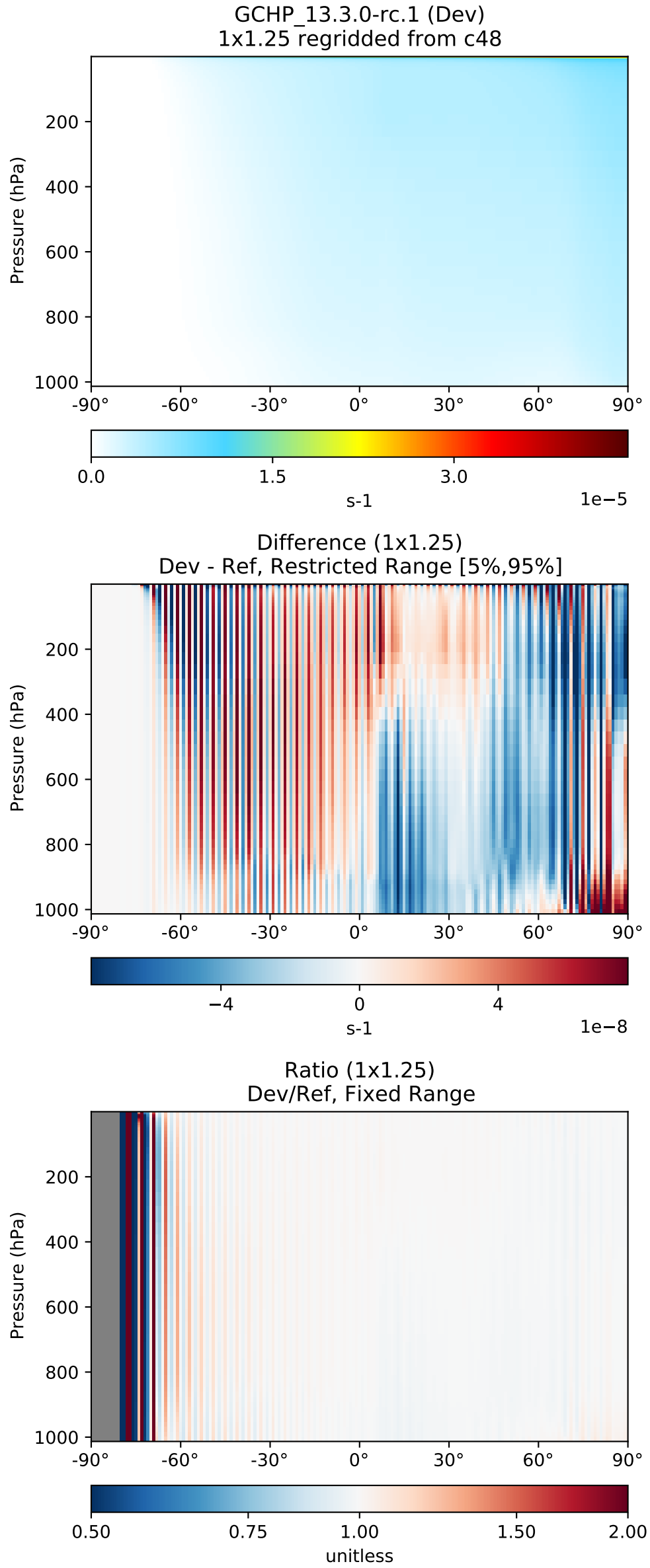
Jval_R4N2, Zonal Mean



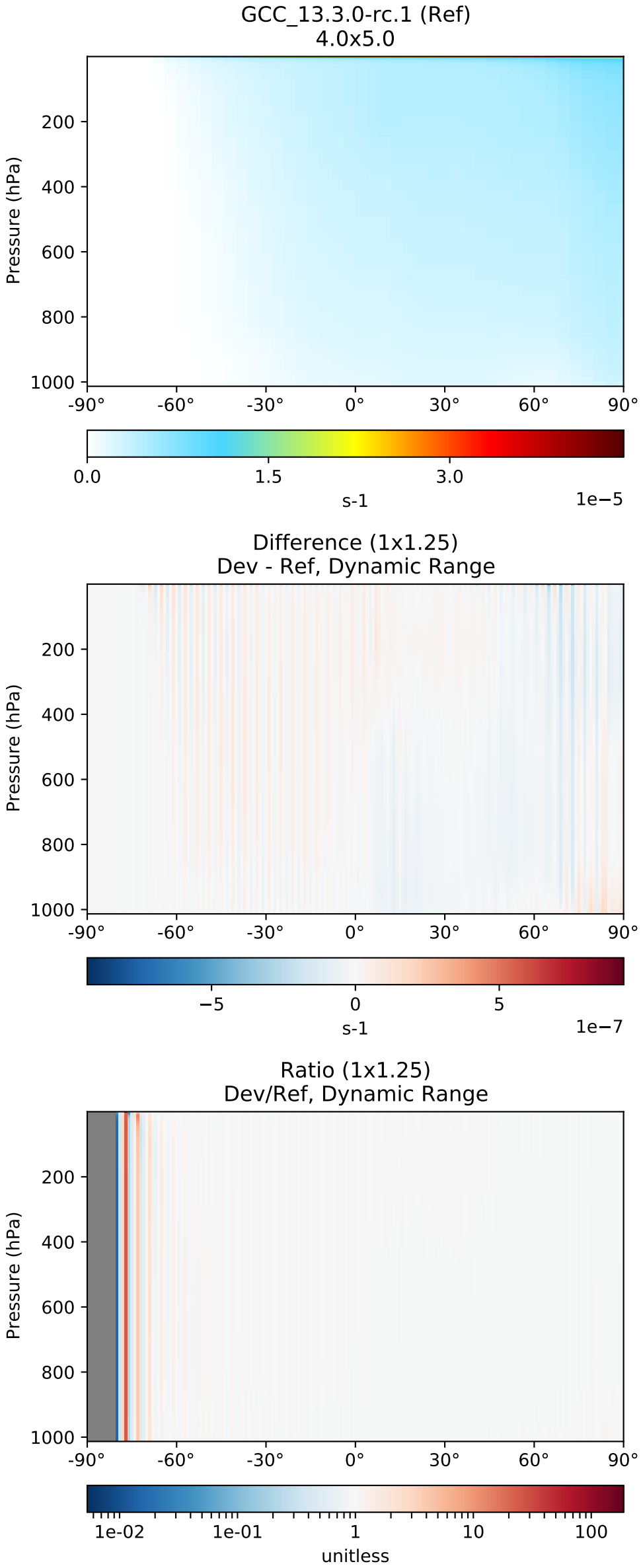


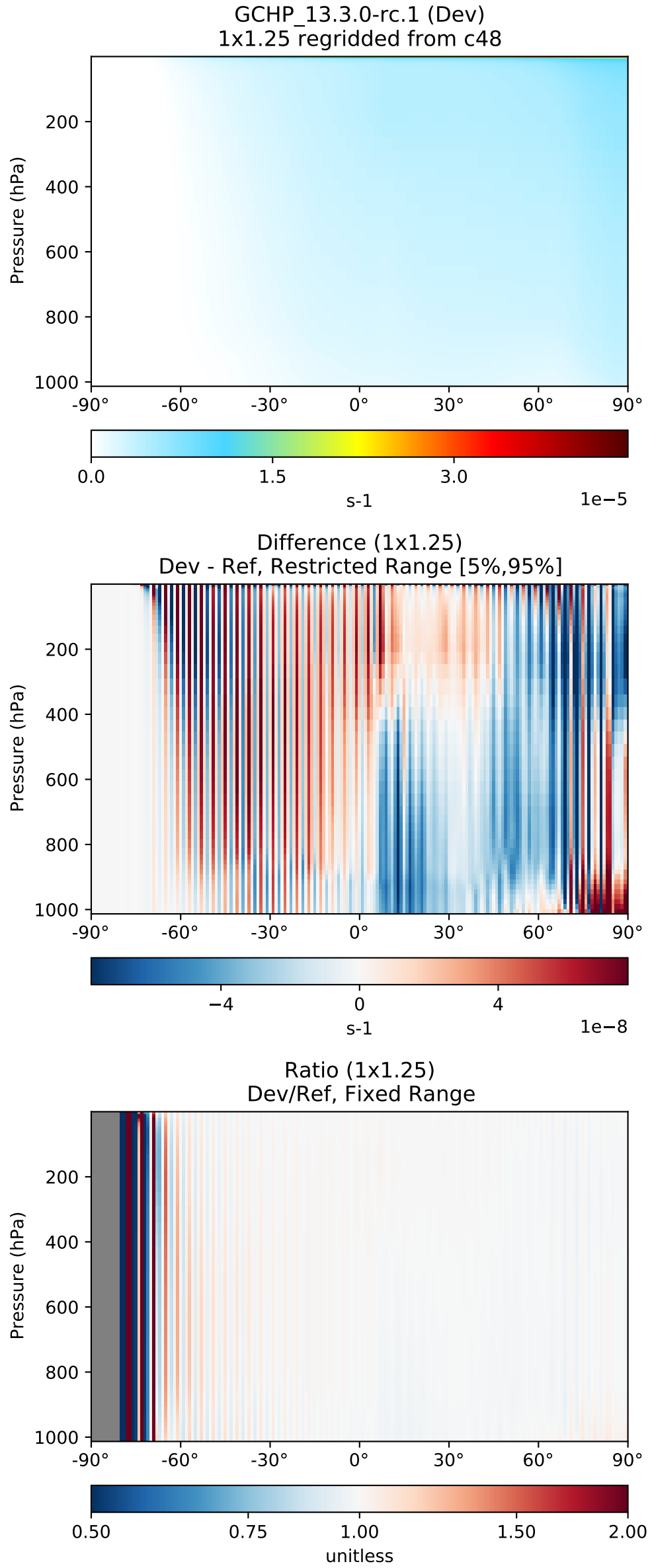
Jval_R4P, Zonal Mean



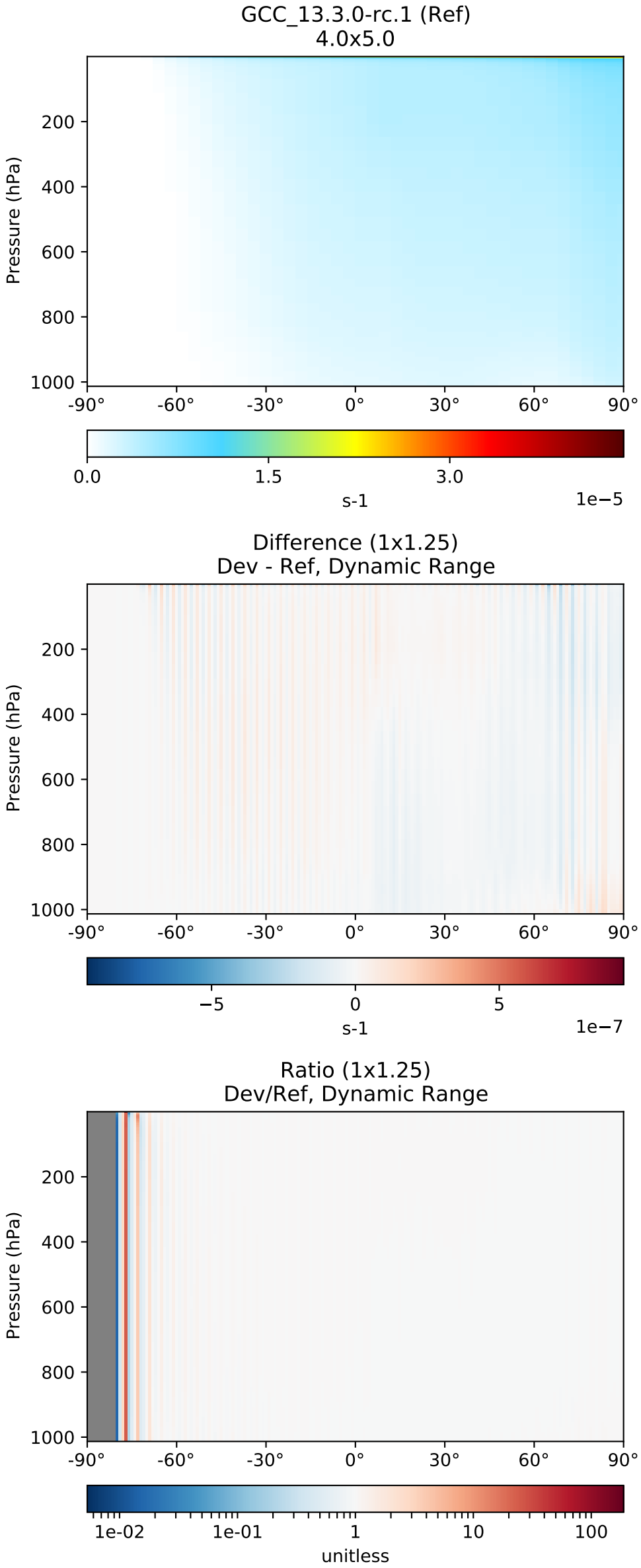


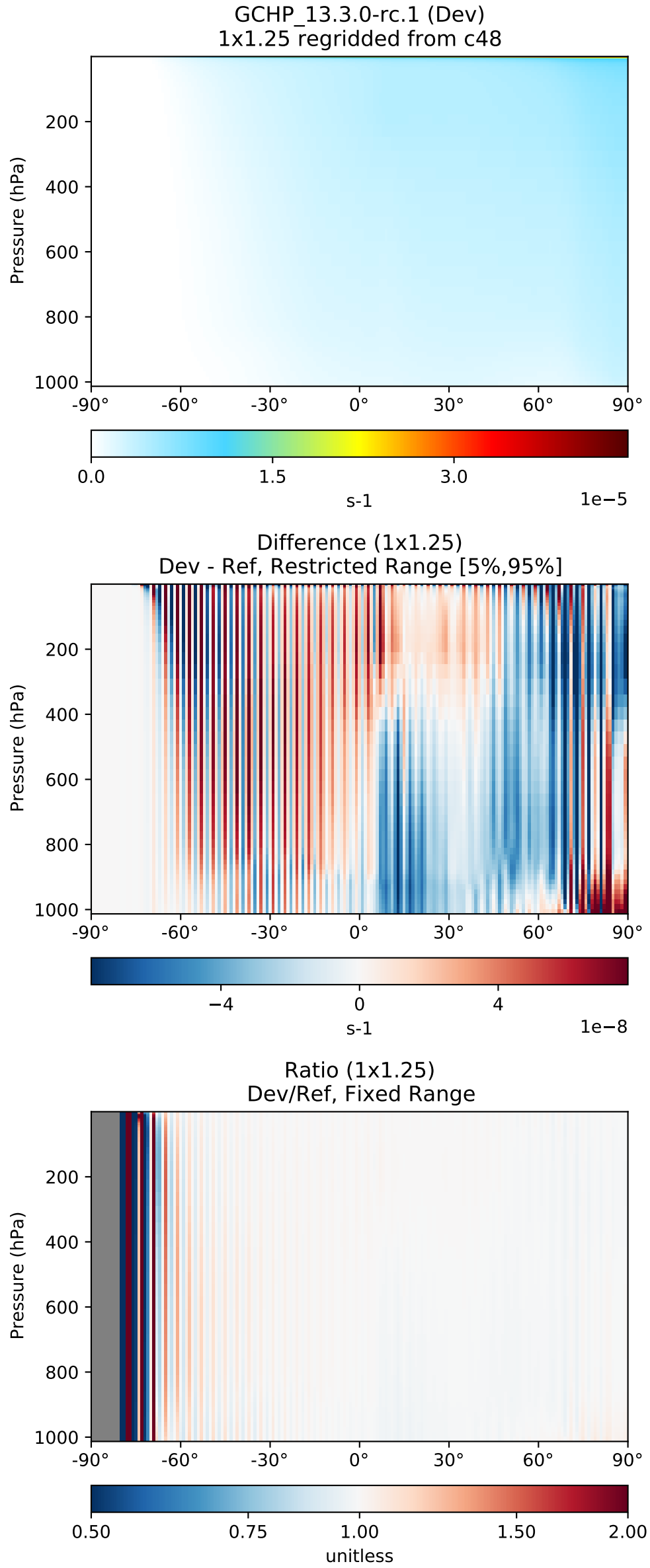
Jval_RA3P, Zonal Mean



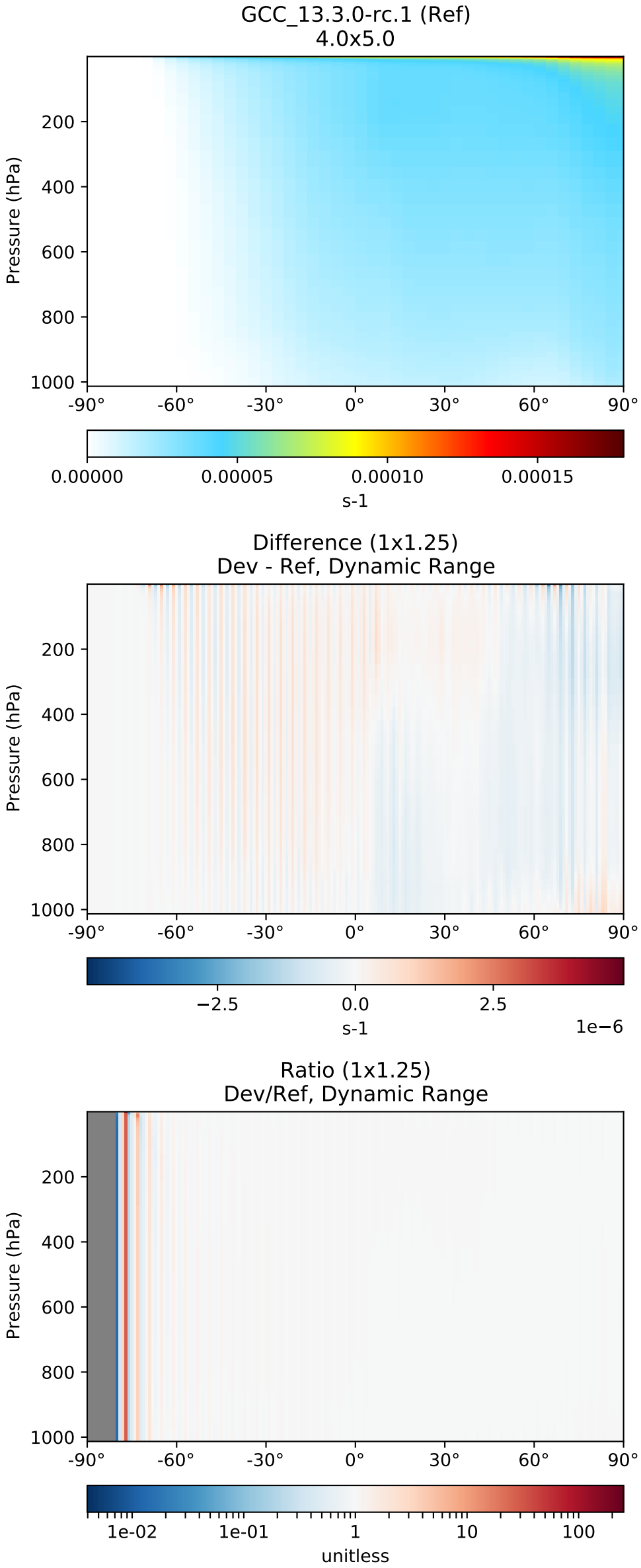


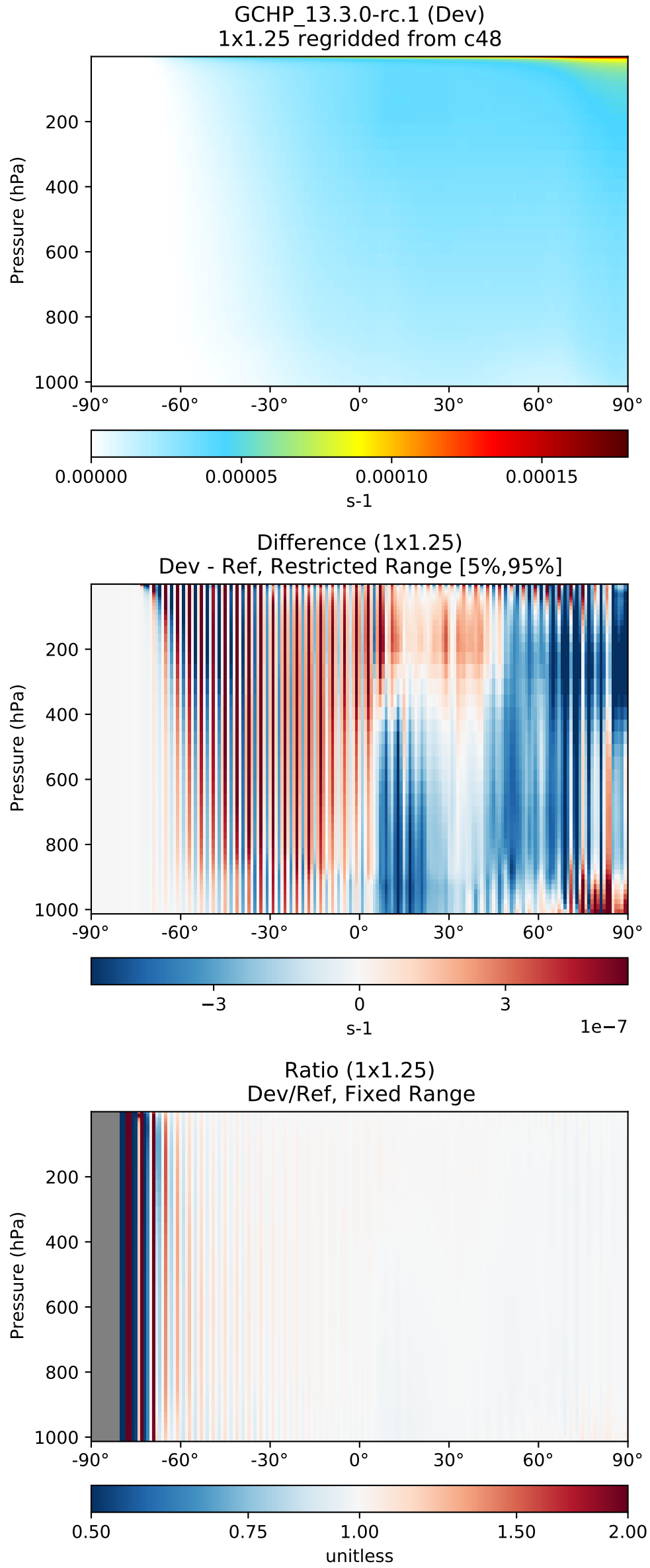
Jval_RB3P, Zonal Mean



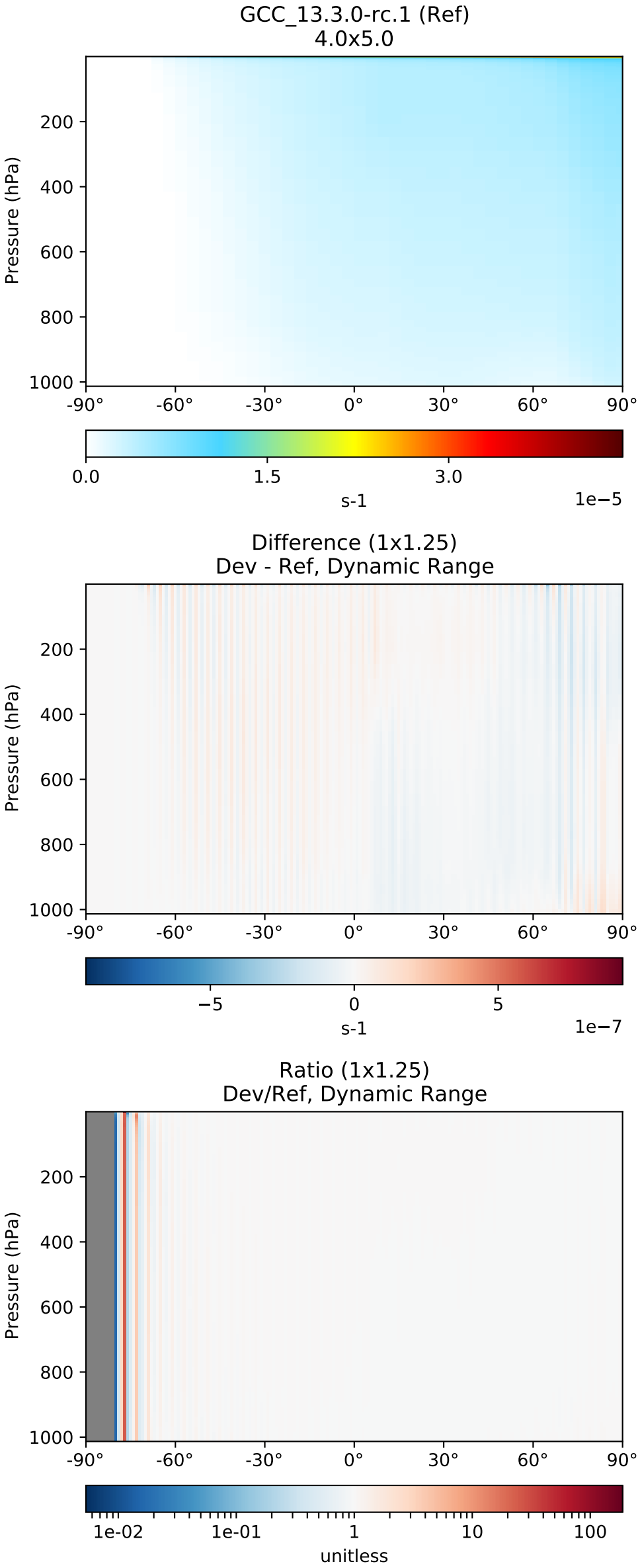


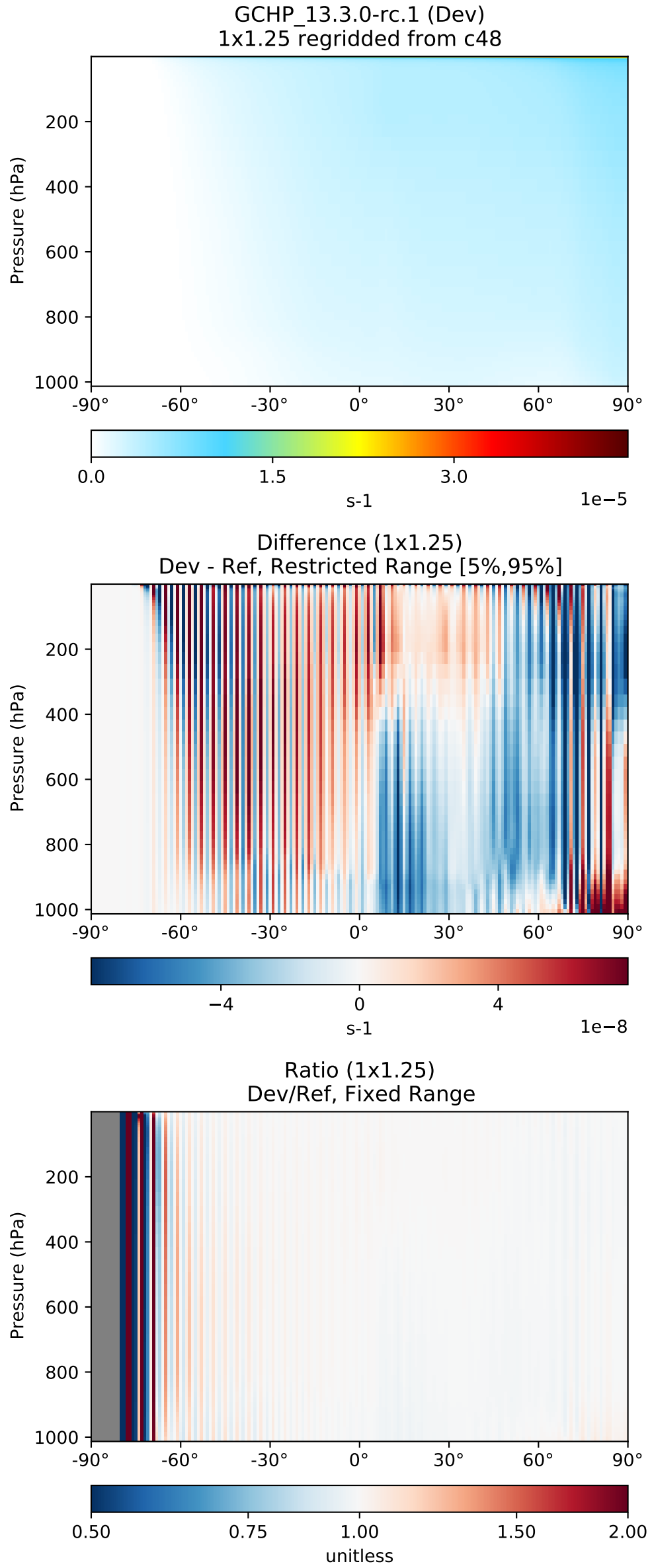
Jval_RCHO, Zonal Mean



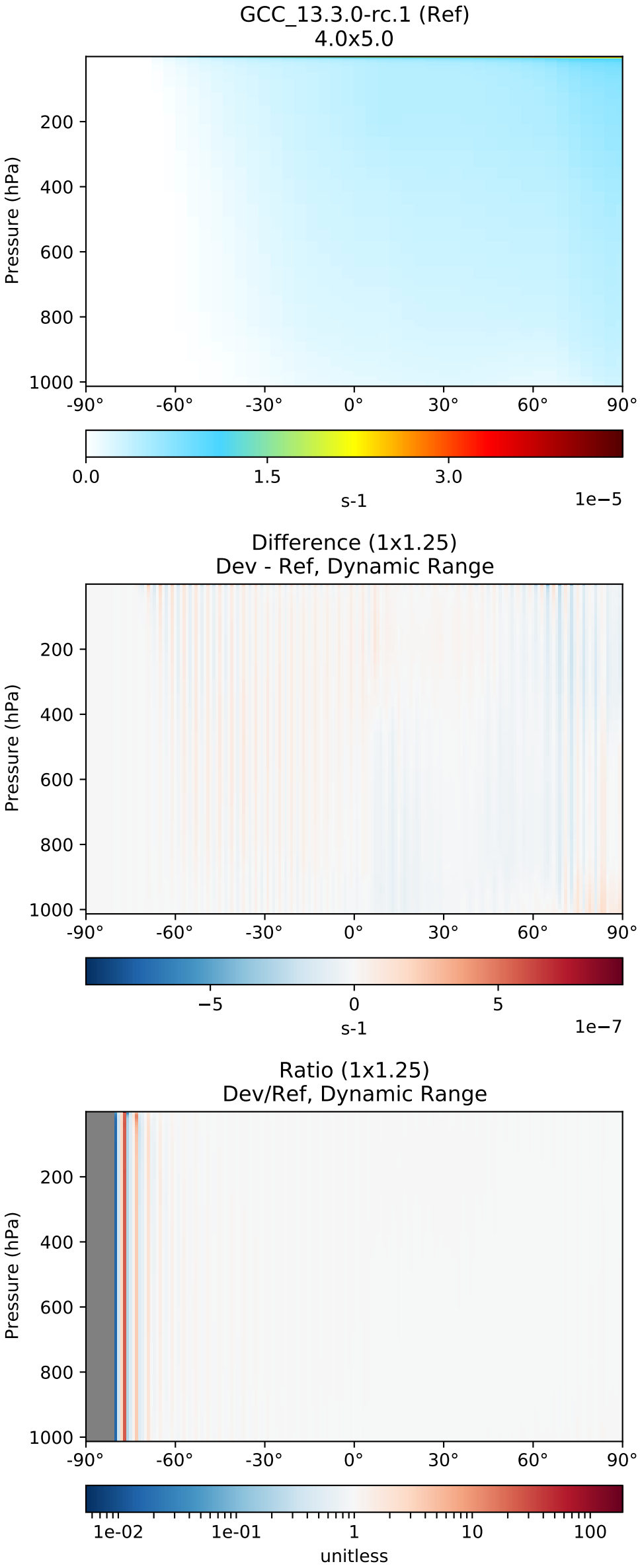


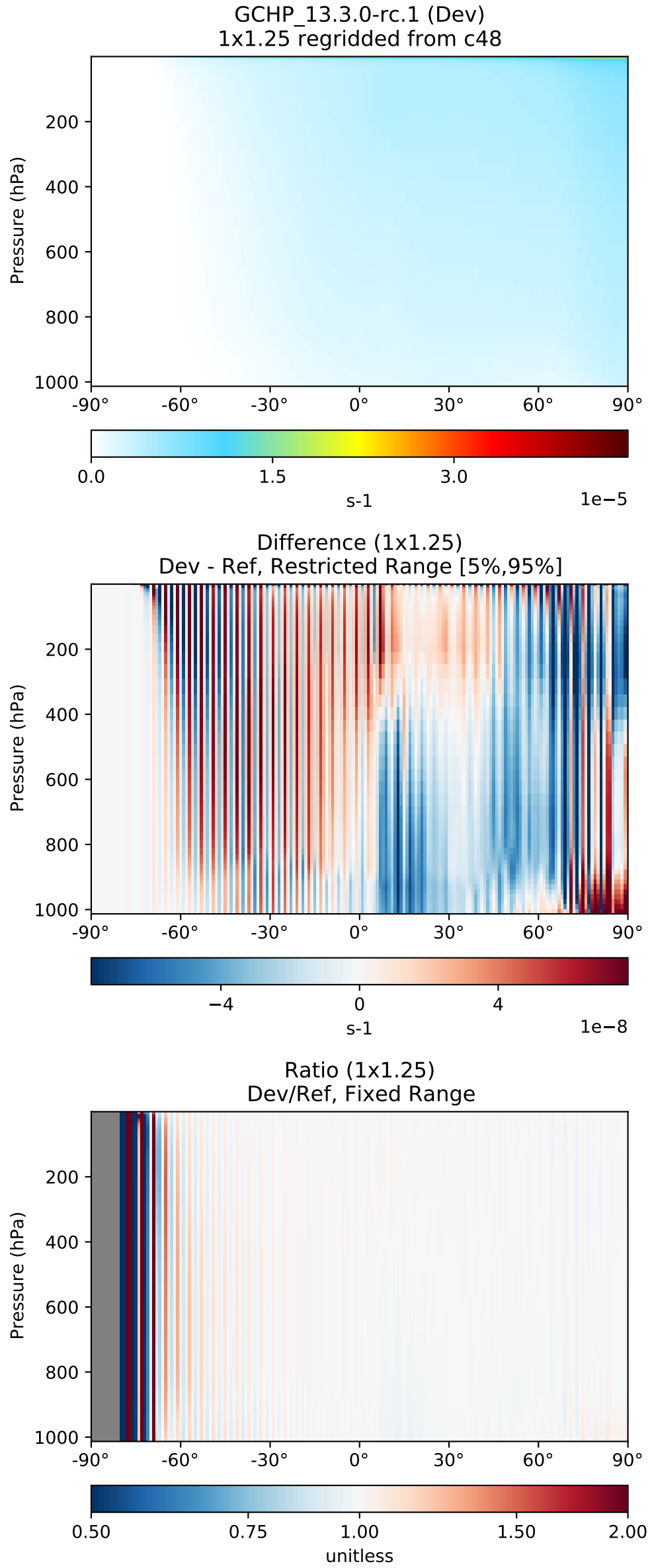
Jval_RIPA, Zonal Mean



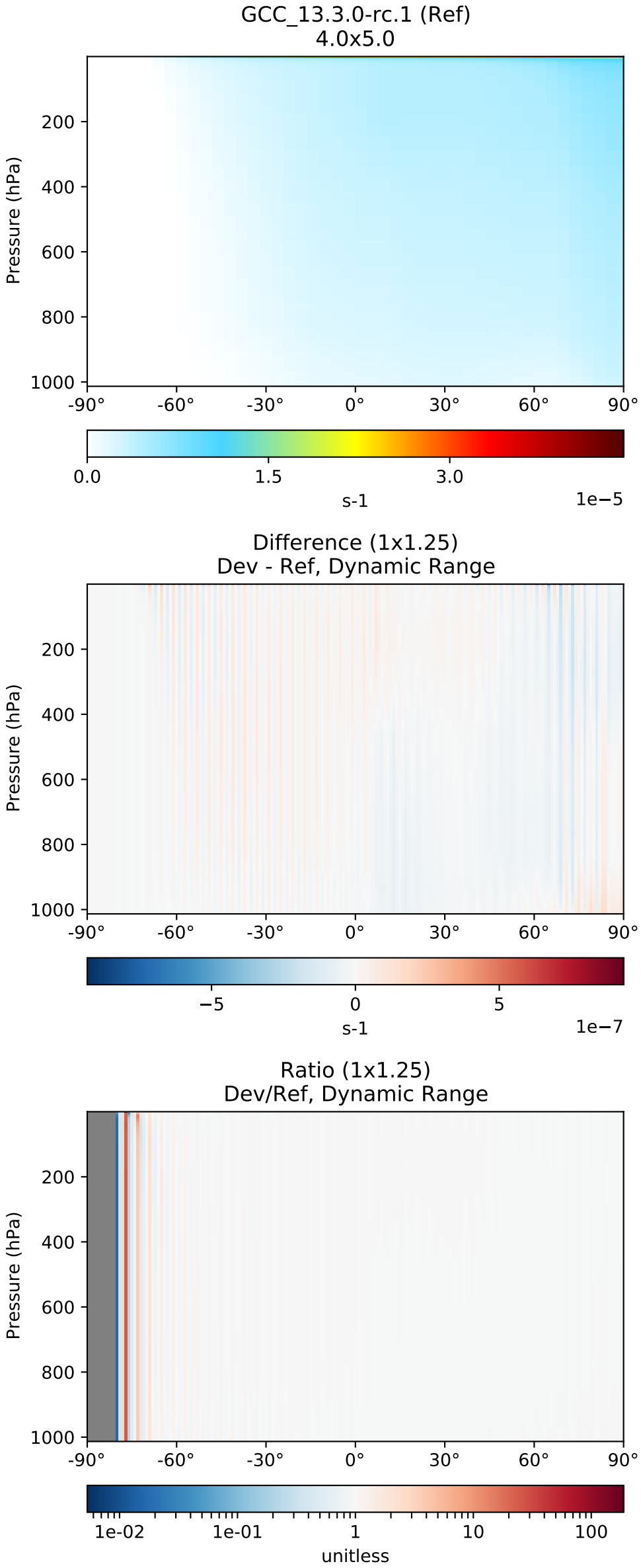


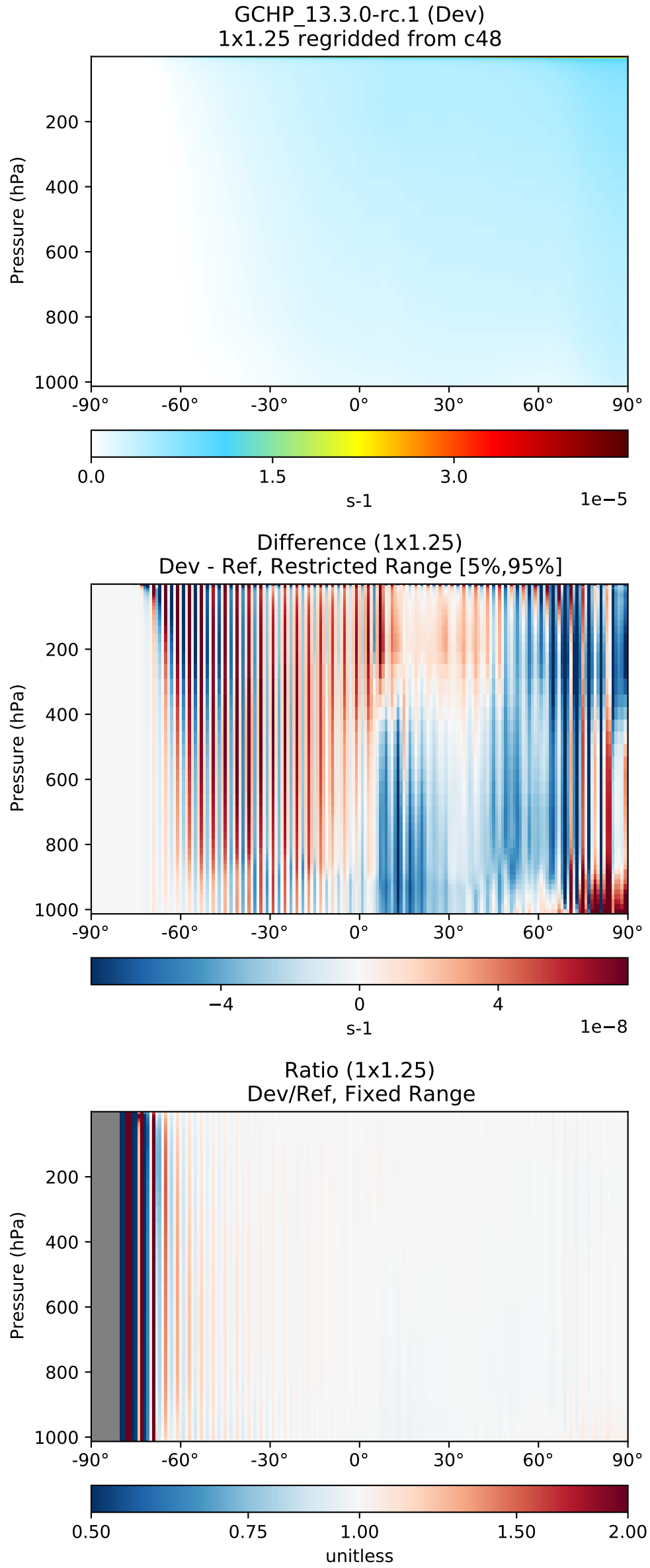
Jval_RIPB, Zonal Mean



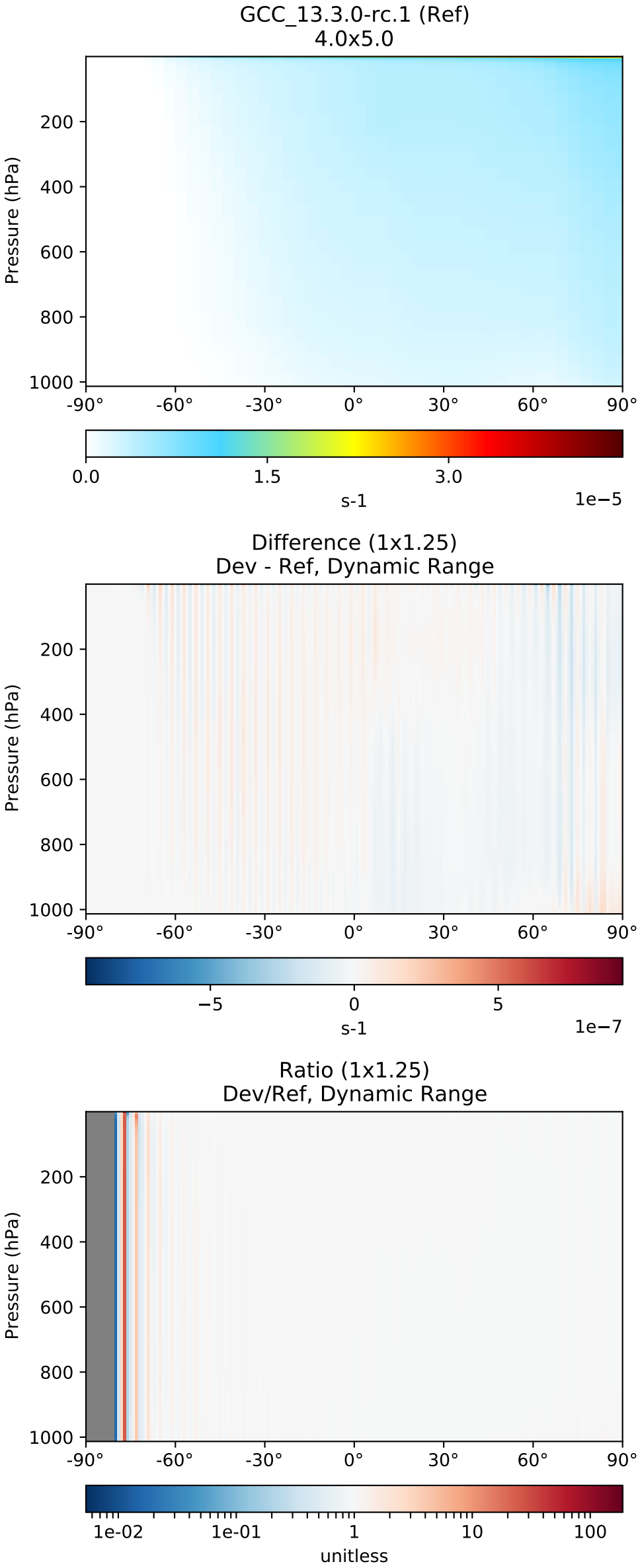


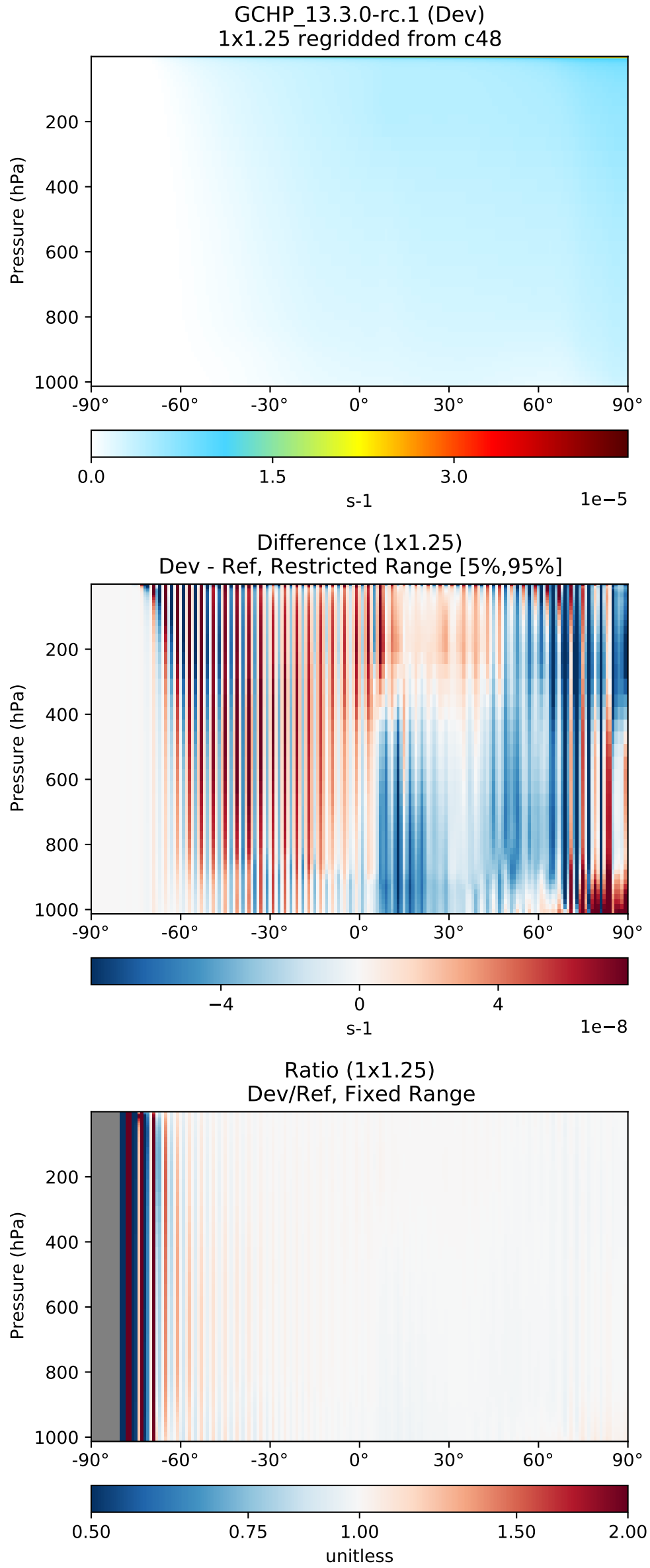
Jval_RIPC, Zonal Mean



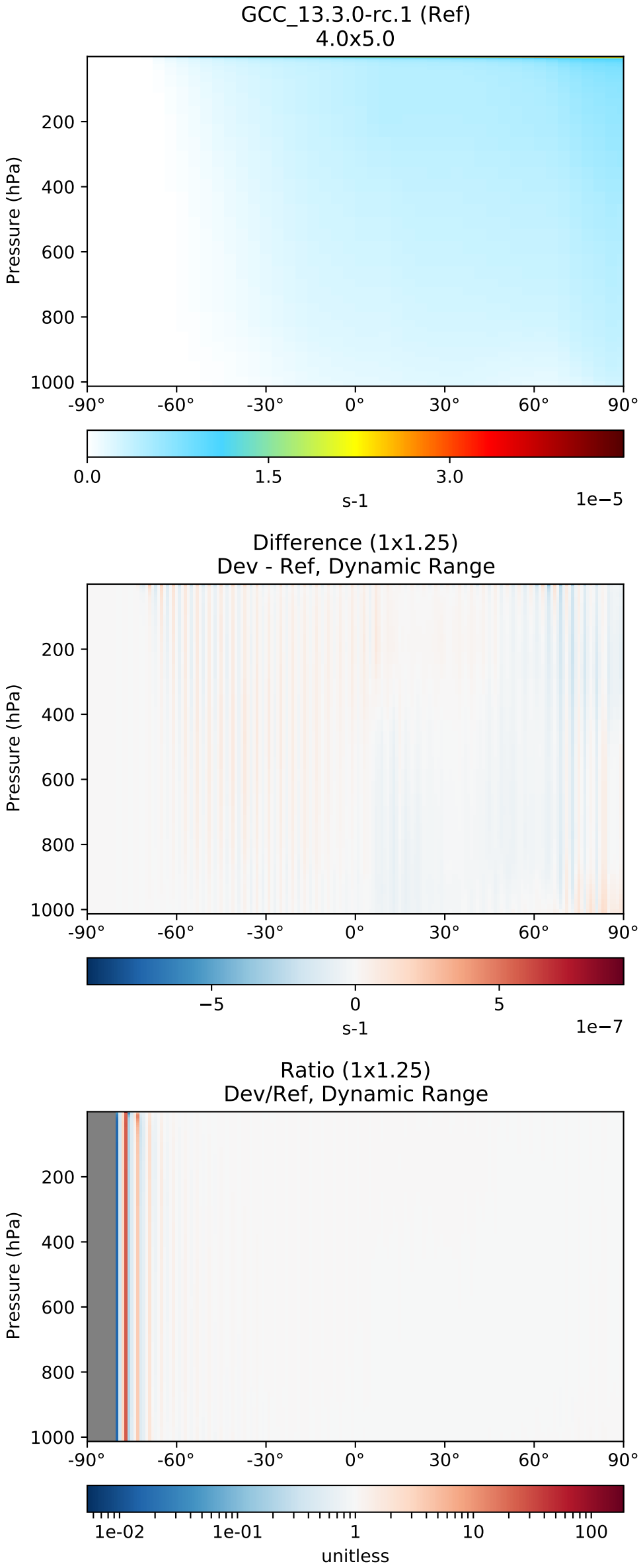


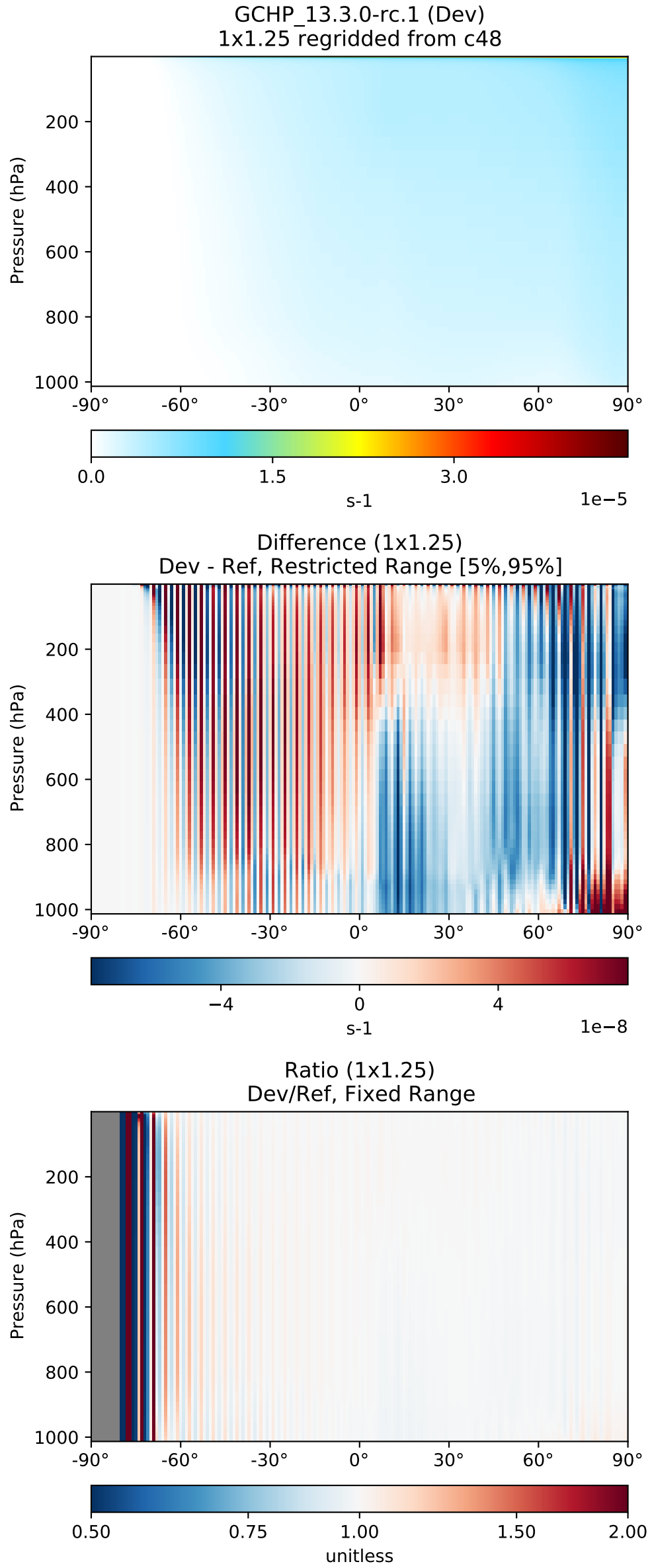
Jval_RIPD, Zonal Mean





Jval_RP, Zonal Mean





Jval_SO4, Zonal Mean

