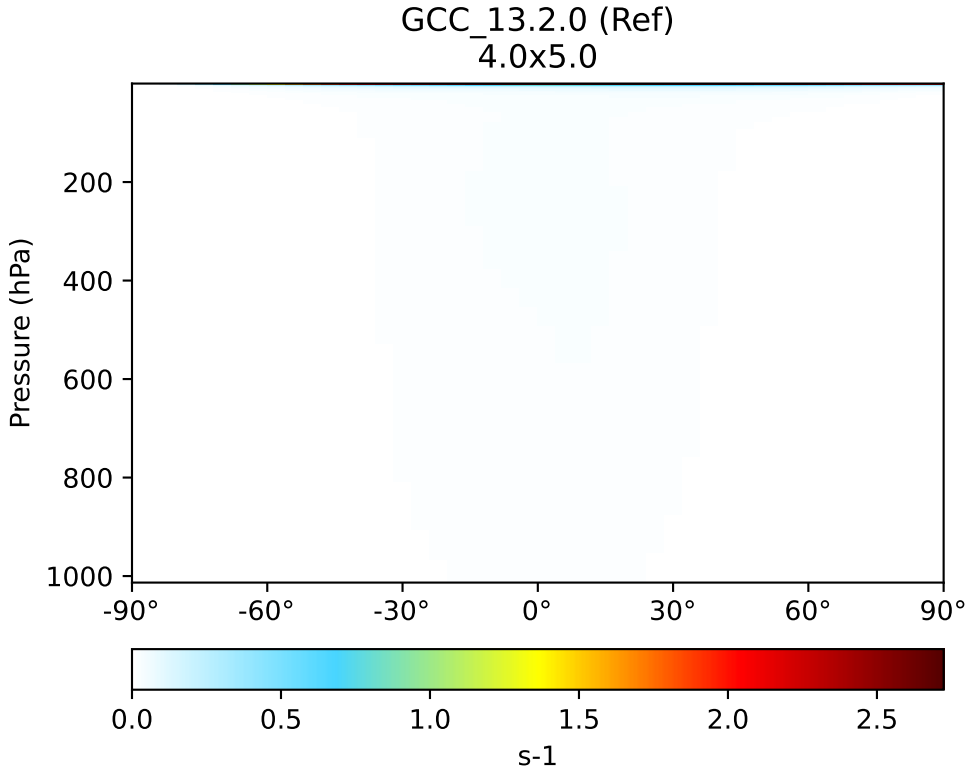
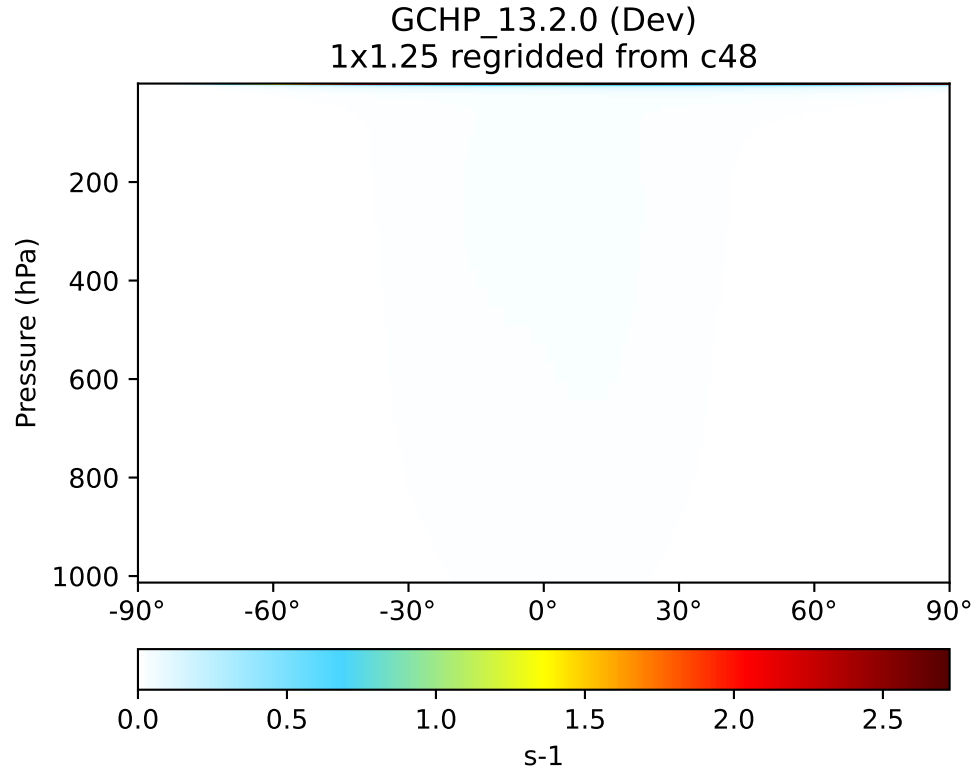
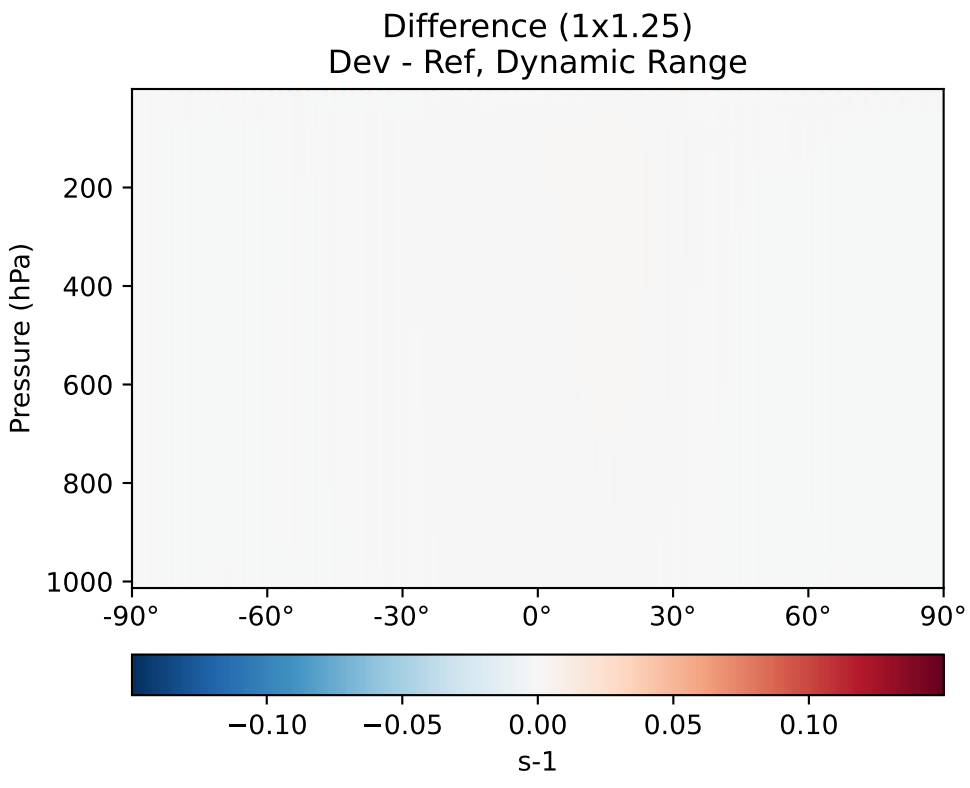
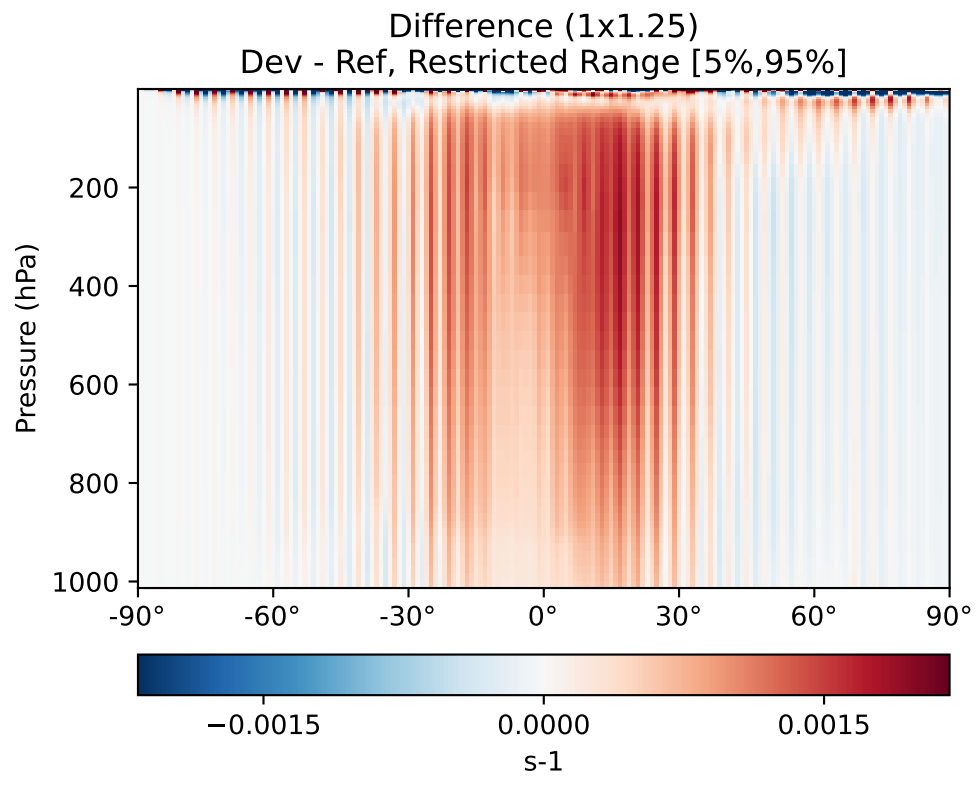
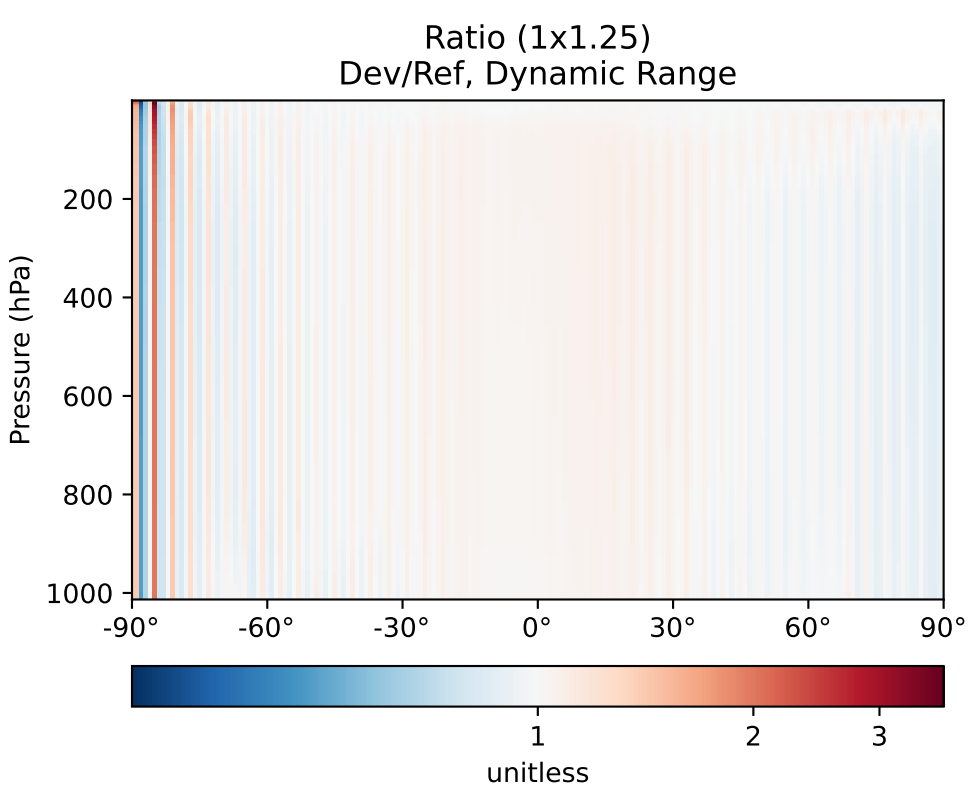
JvalO3O1D, Zonal Mean (Apr2019)

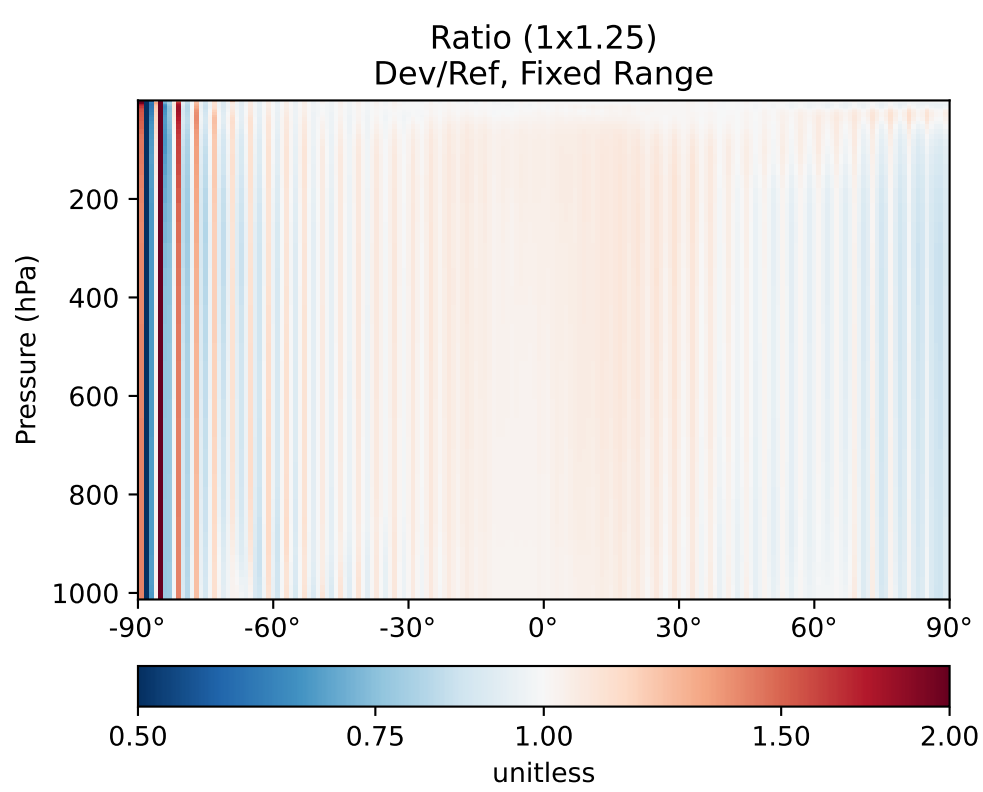




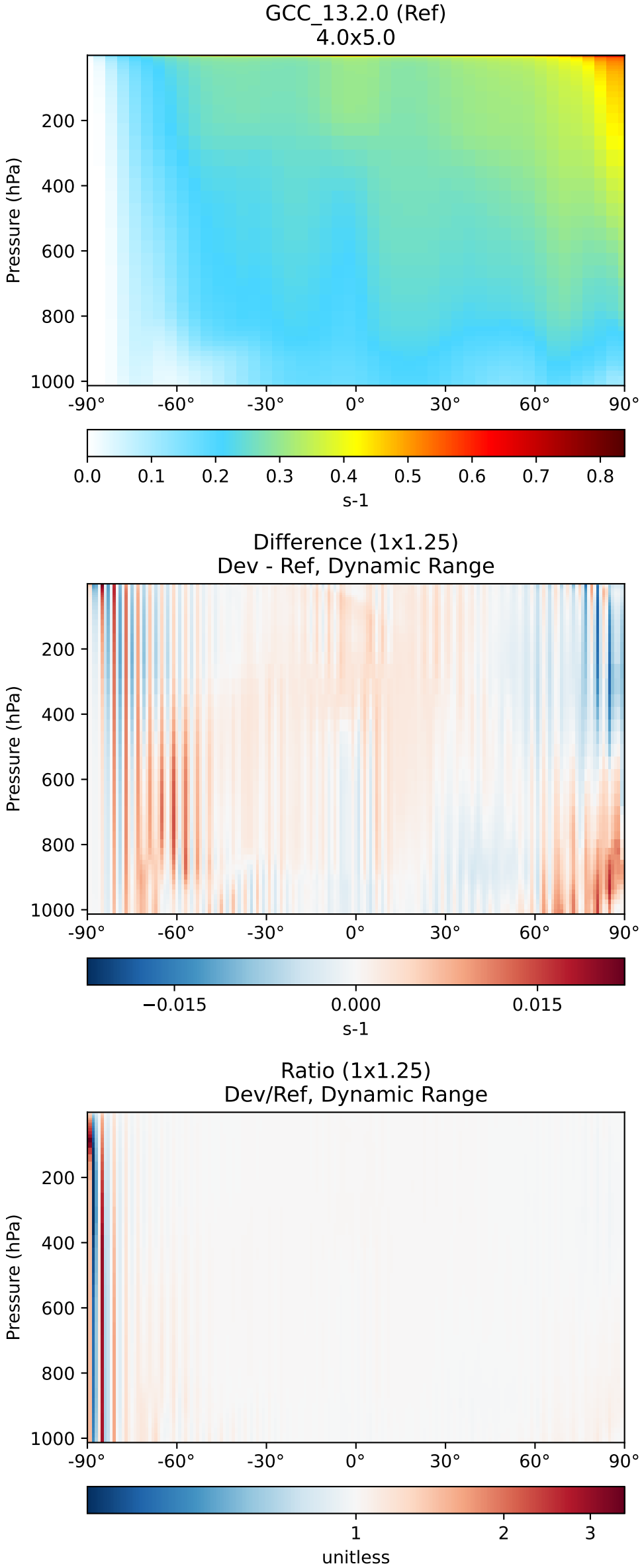


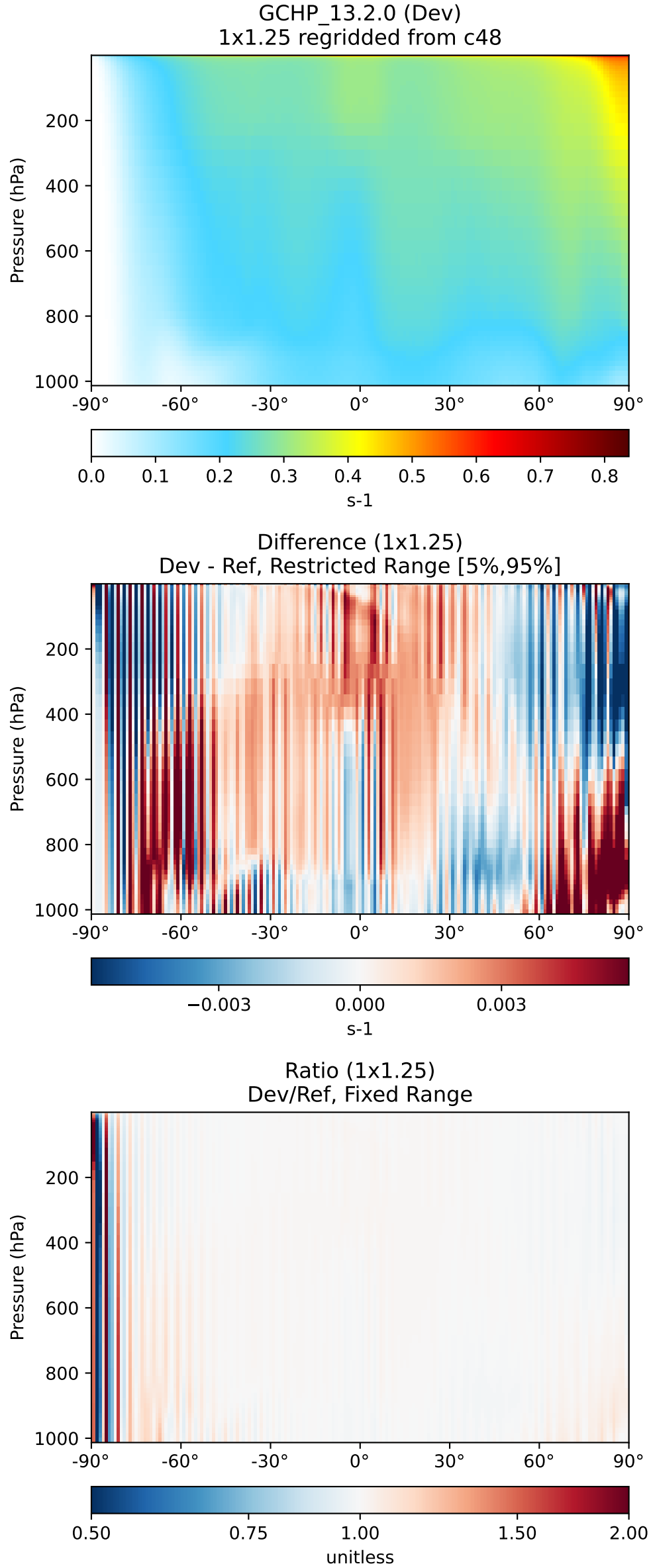




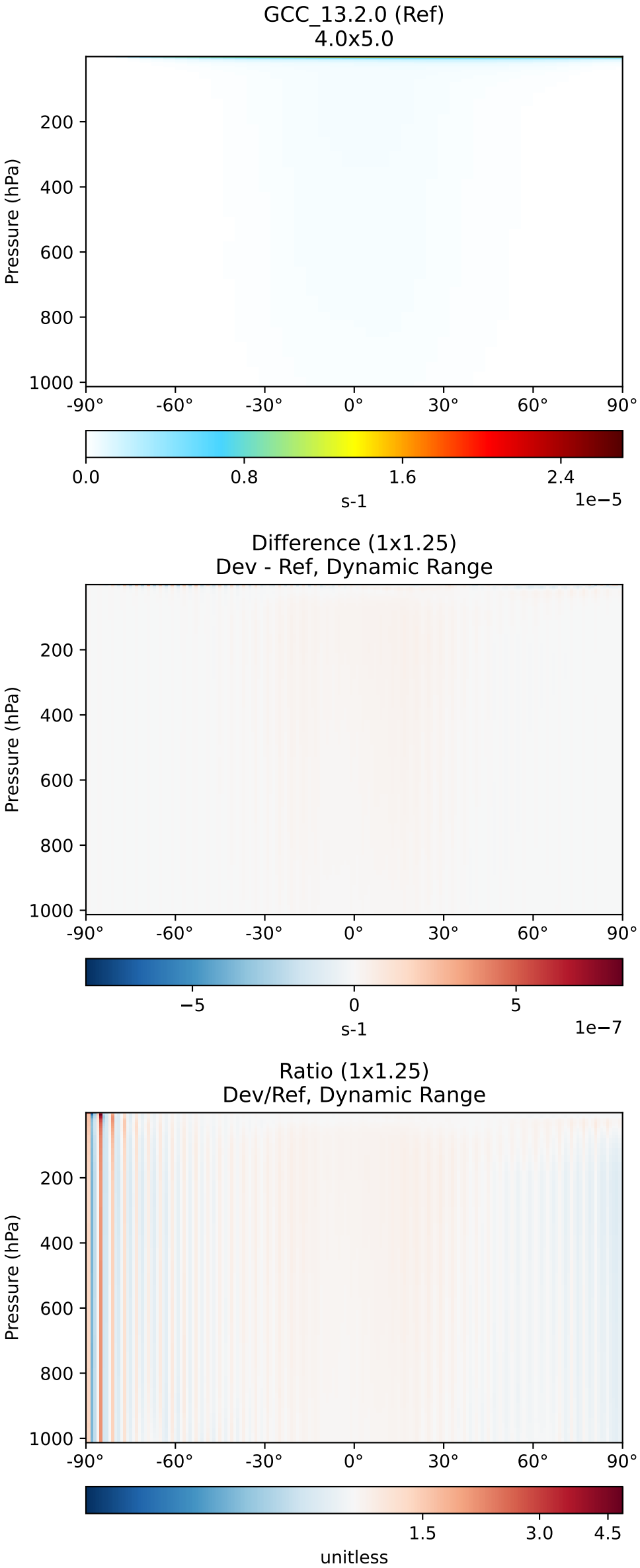


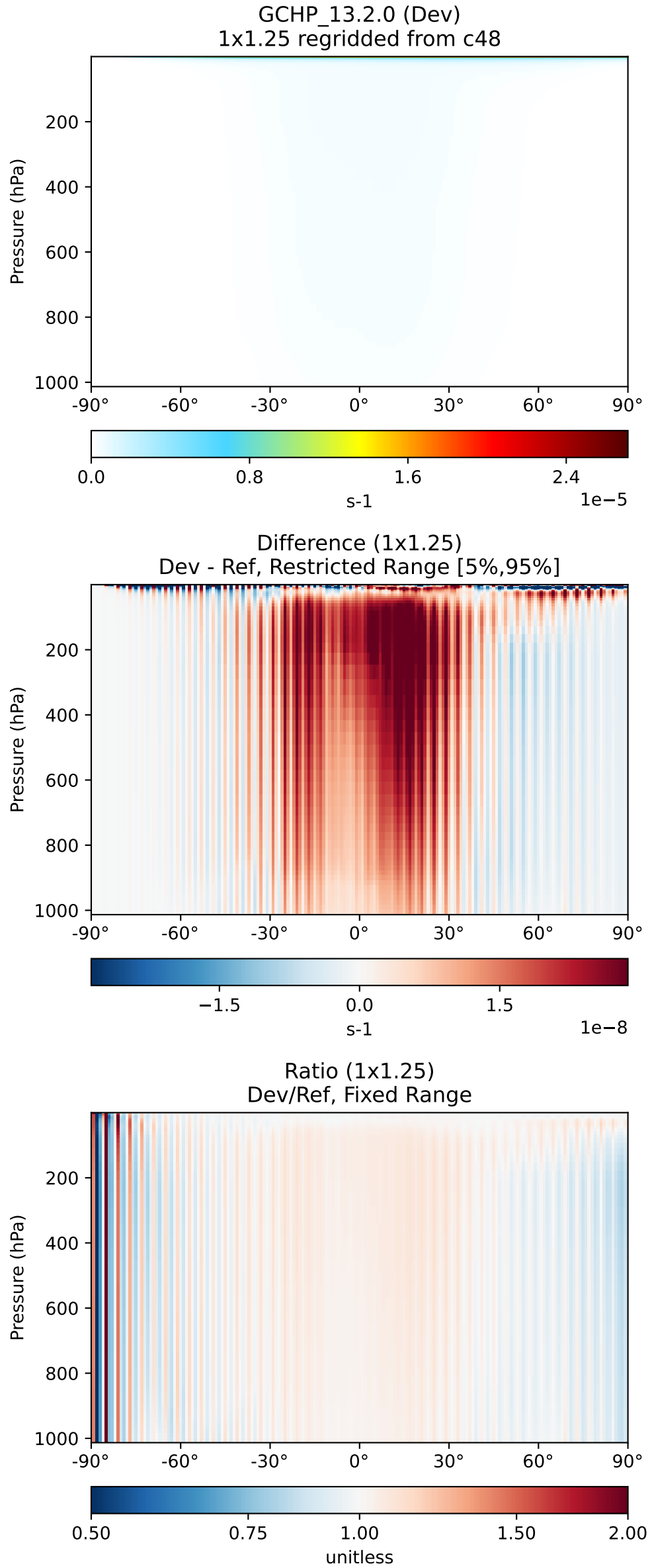
JvalO3O3P, Zonal Mean (Apr2019)



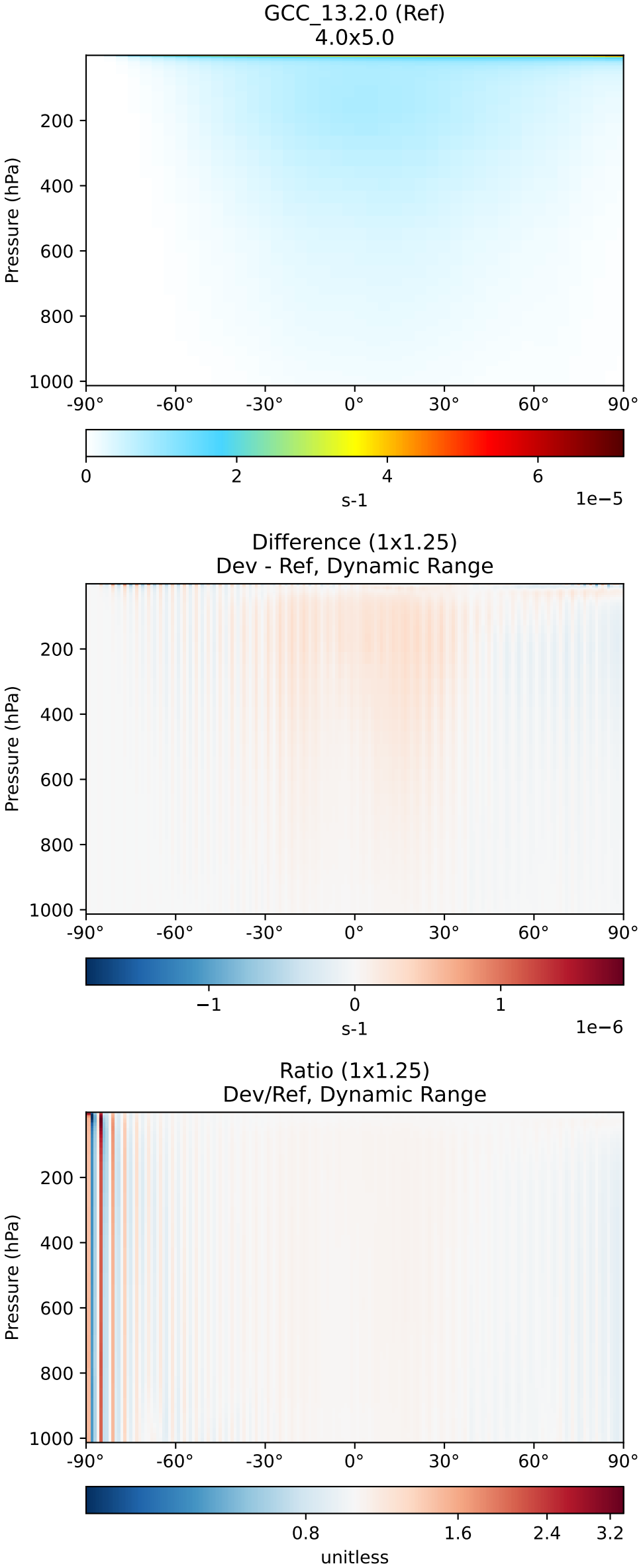


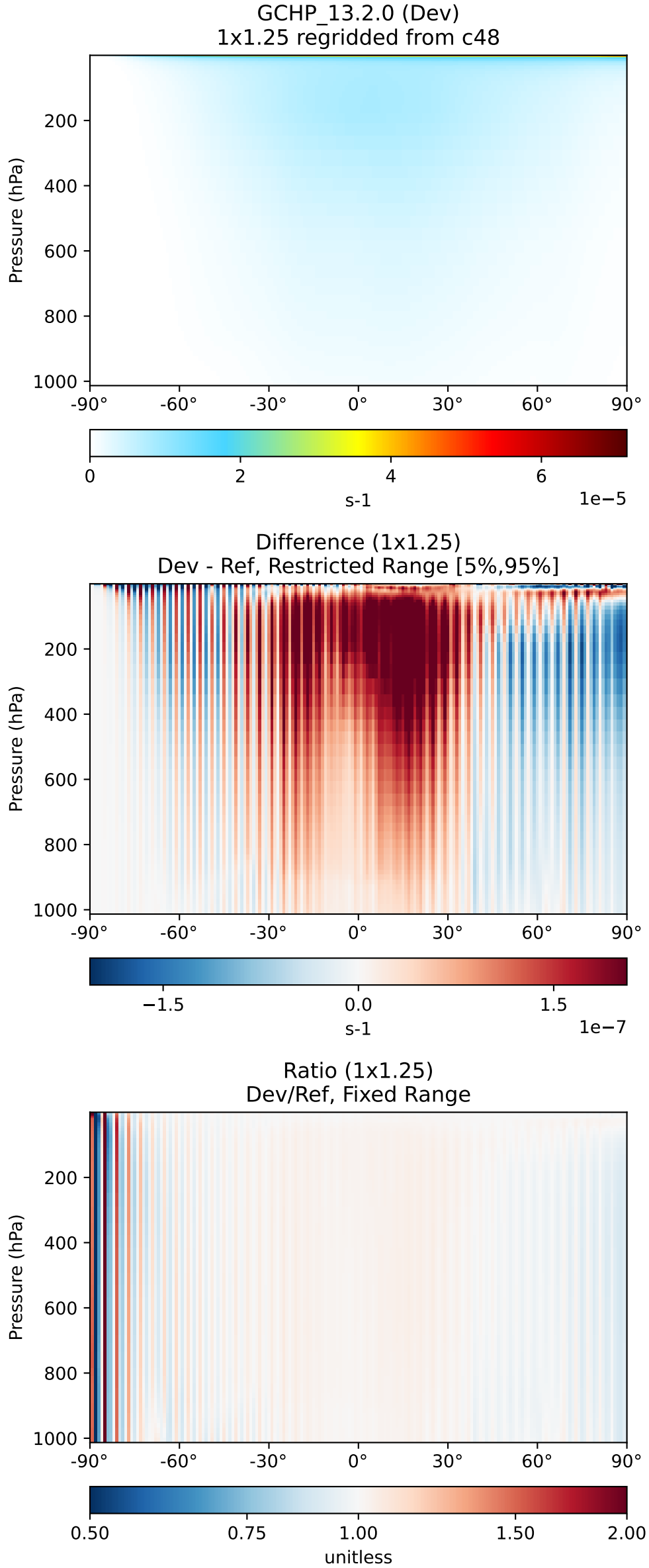
Jval_ACET, Zonal Mean (Apr2019)



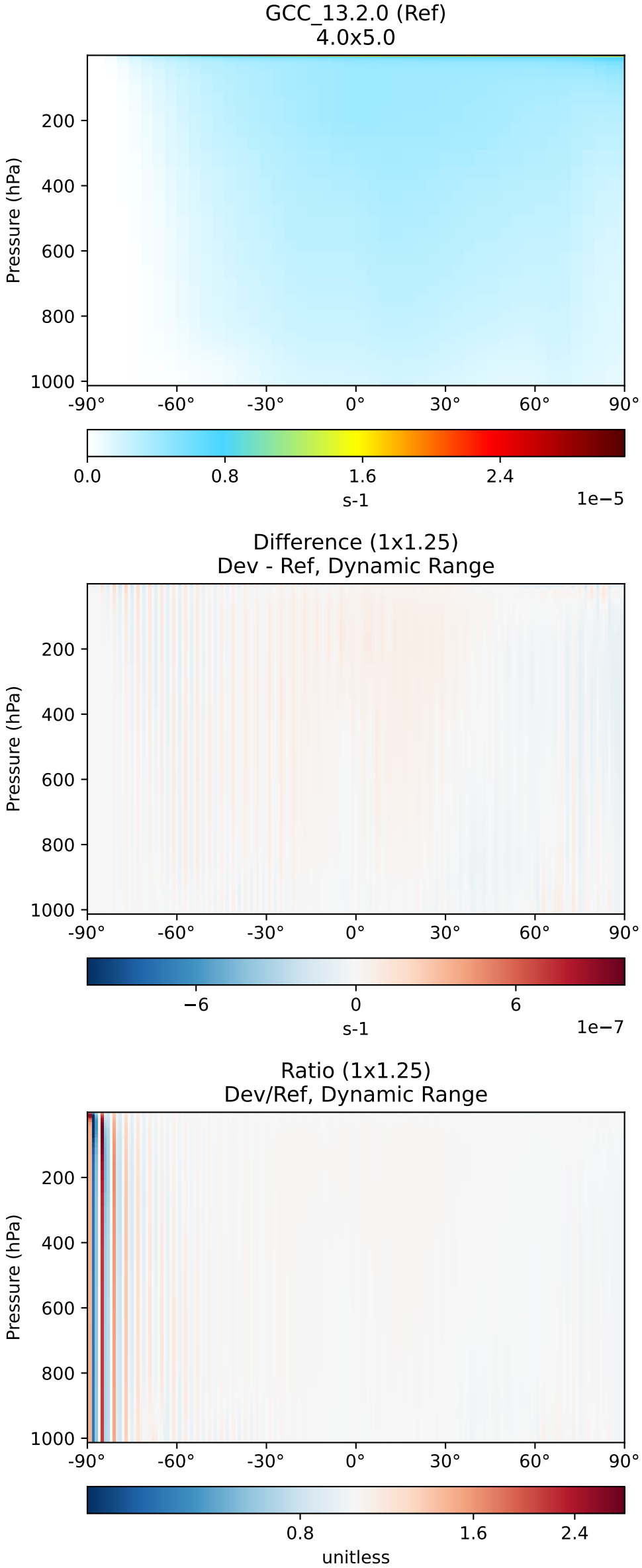


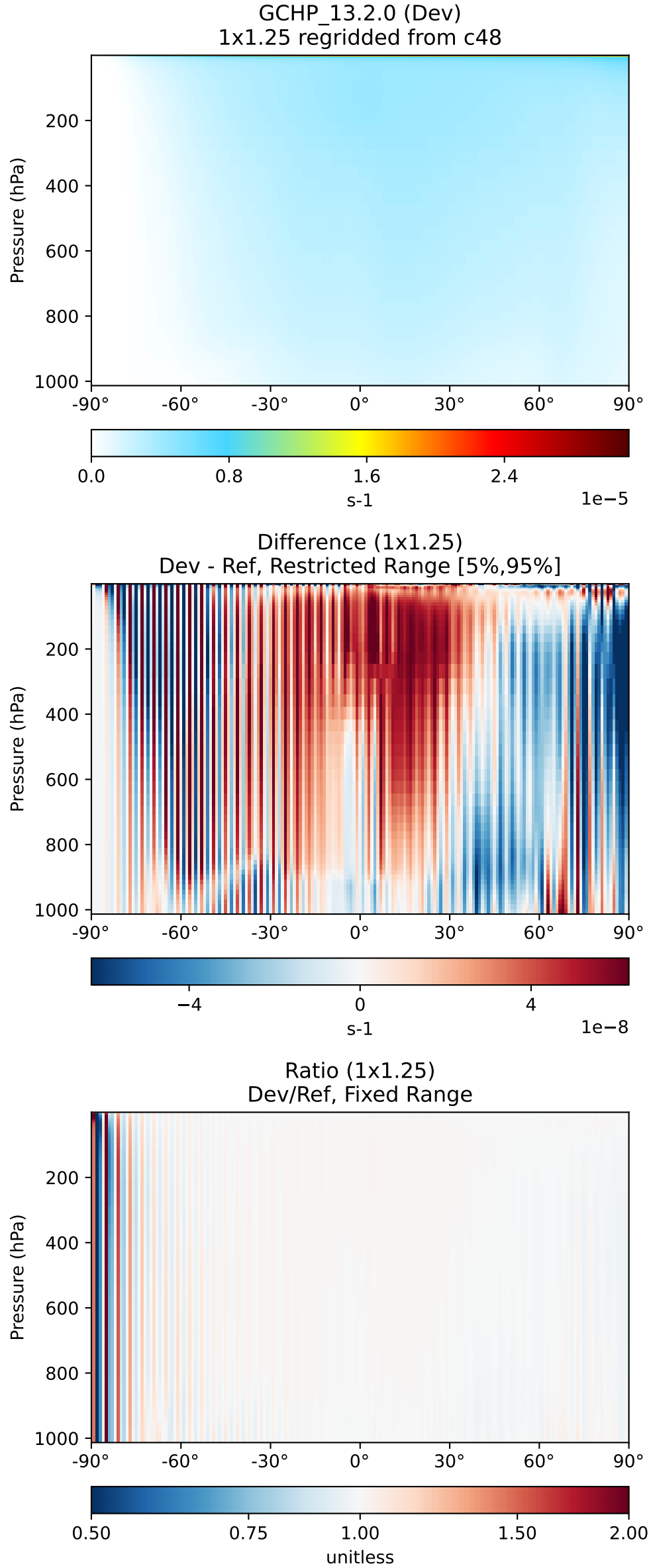
Jval_ALD2, Zonal Mean (Apr2019)



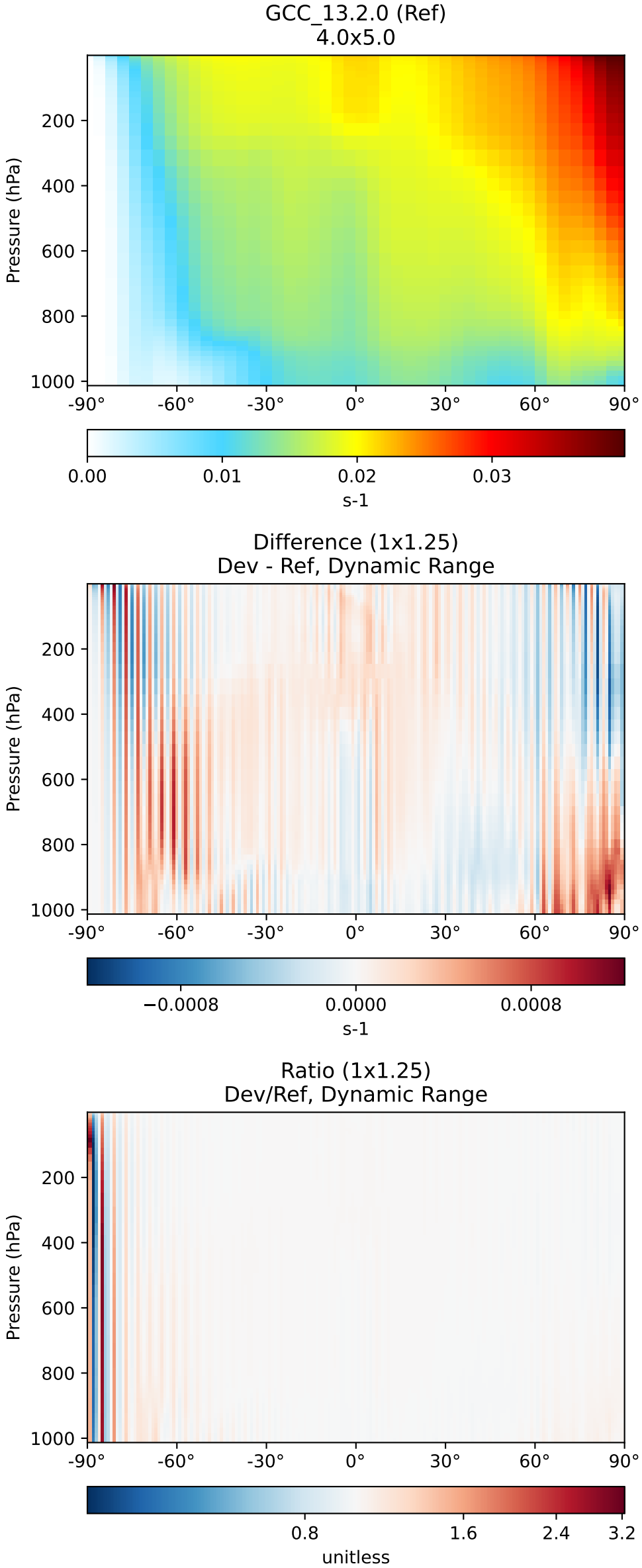


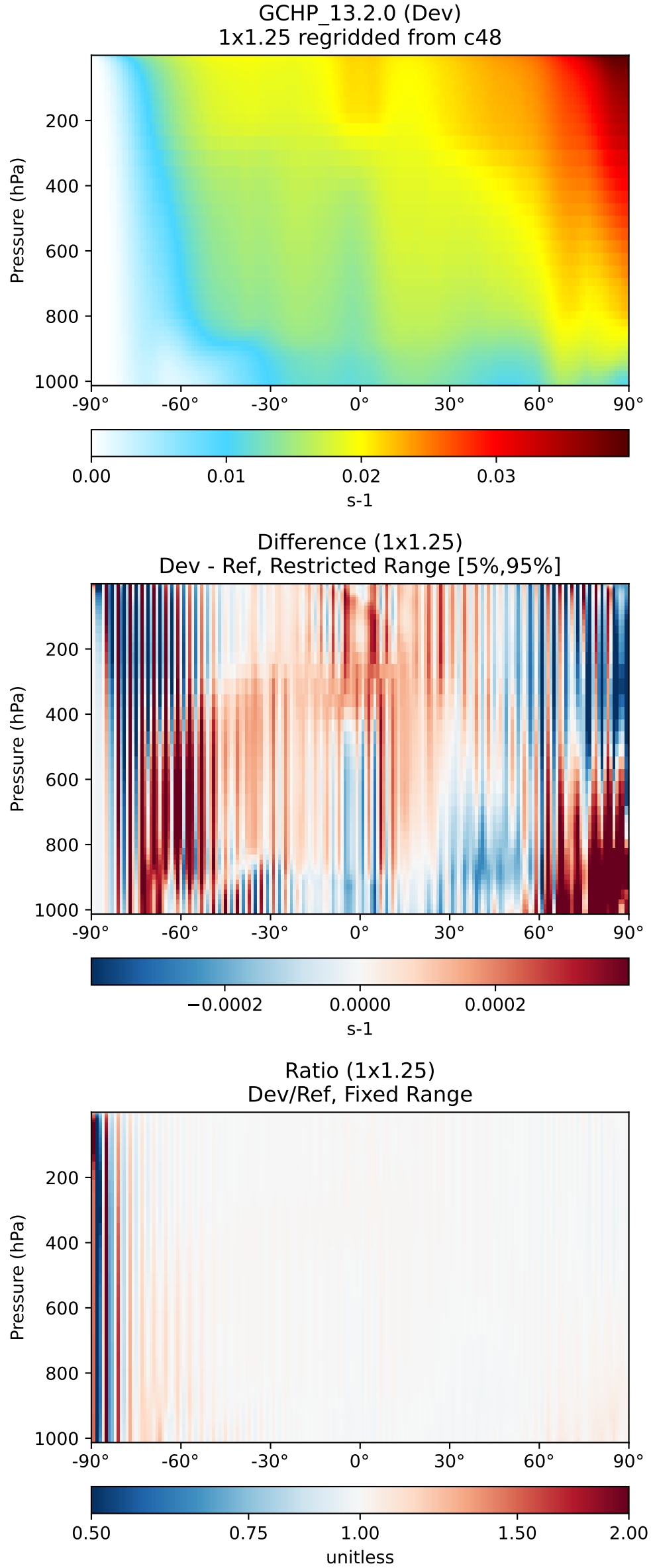
Jval_ATOOH, Zonal Mean (Apr2019)



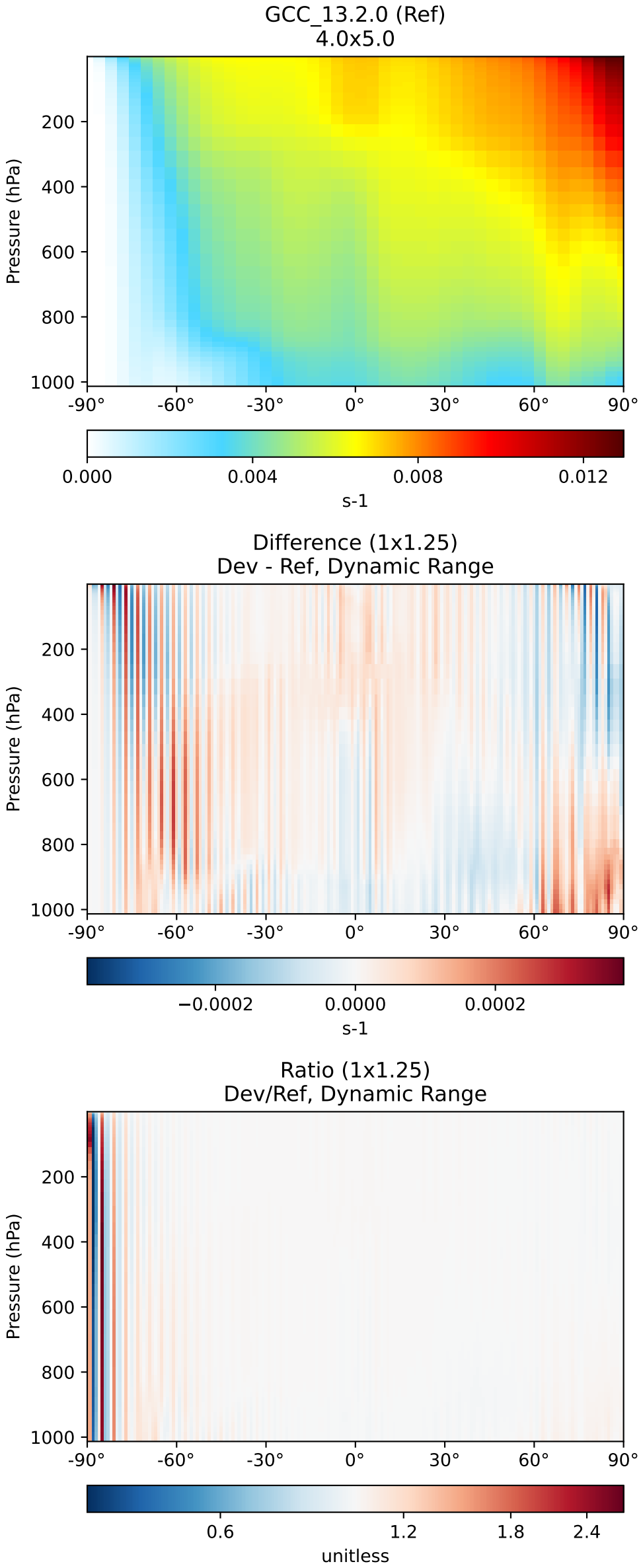


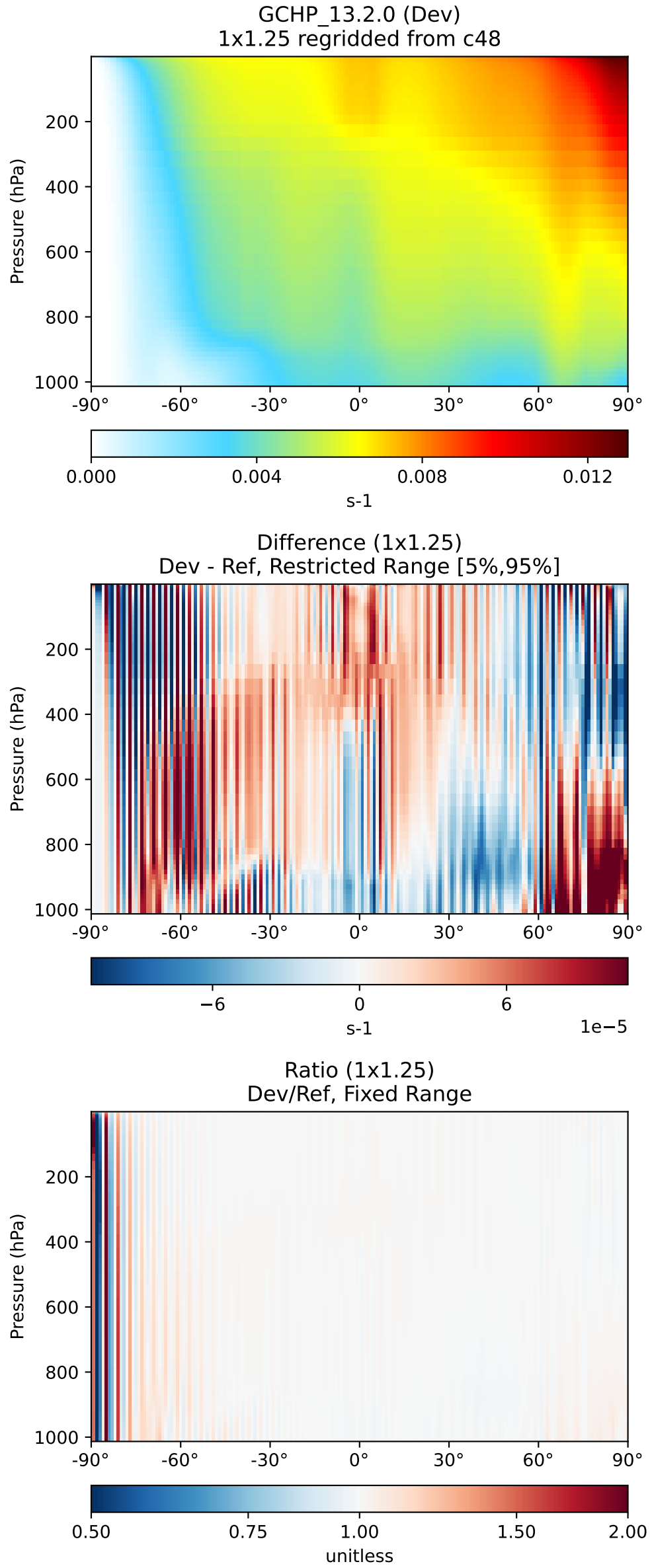
Jval_Br2, Zonal Mean (Apr2019)



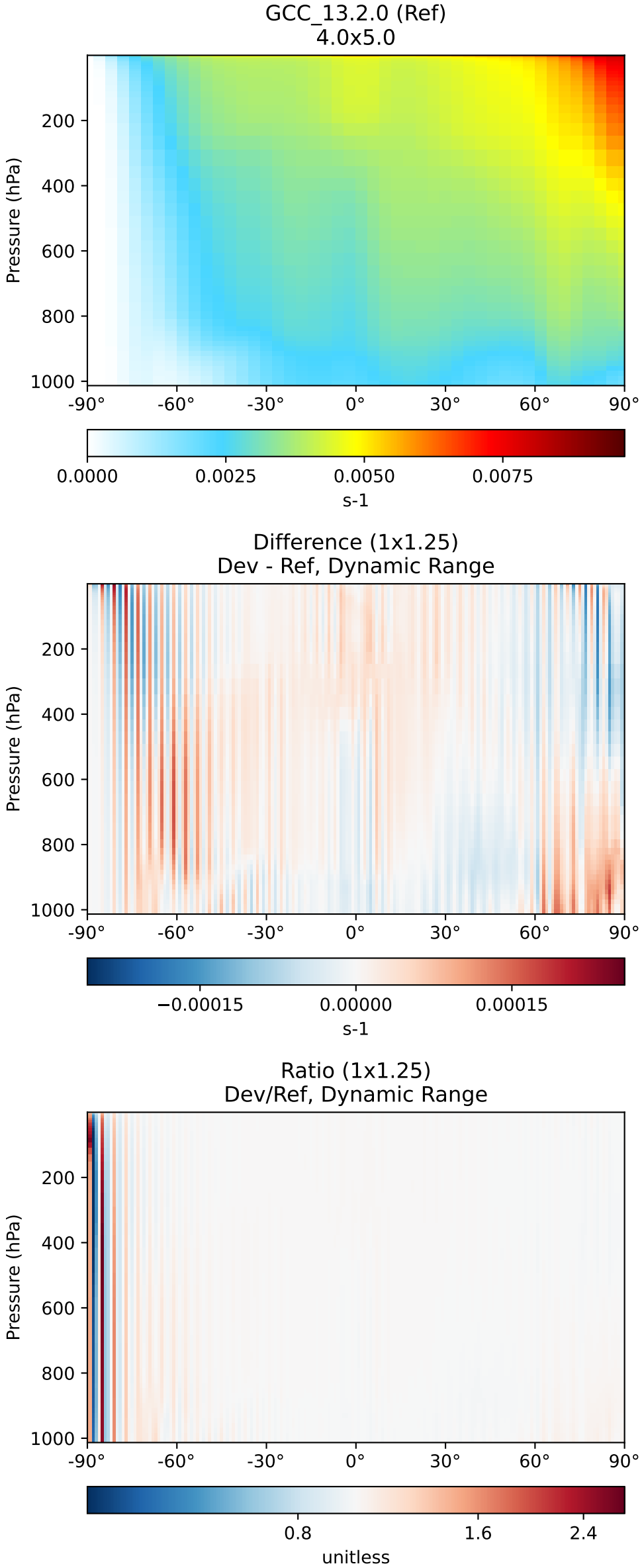


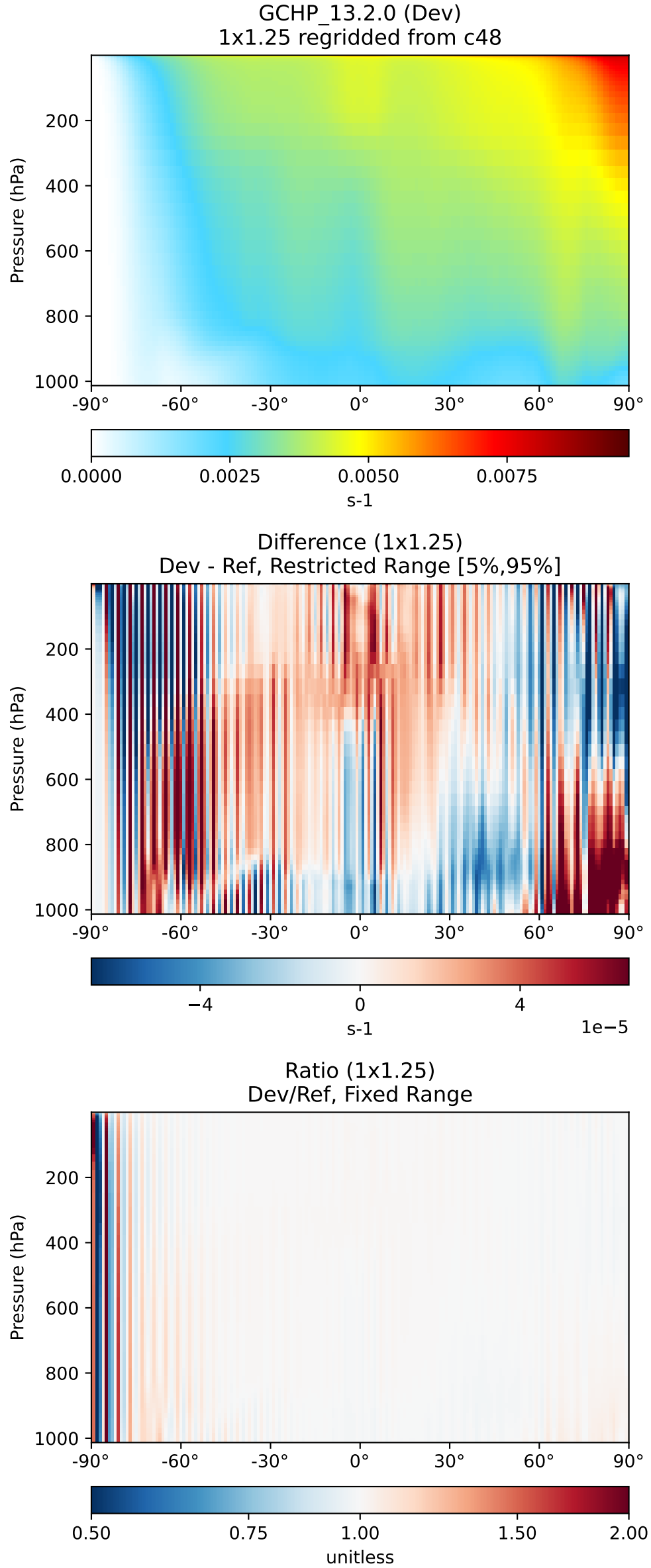
Jval_BrCl, Zonal Mean (Apr2019)



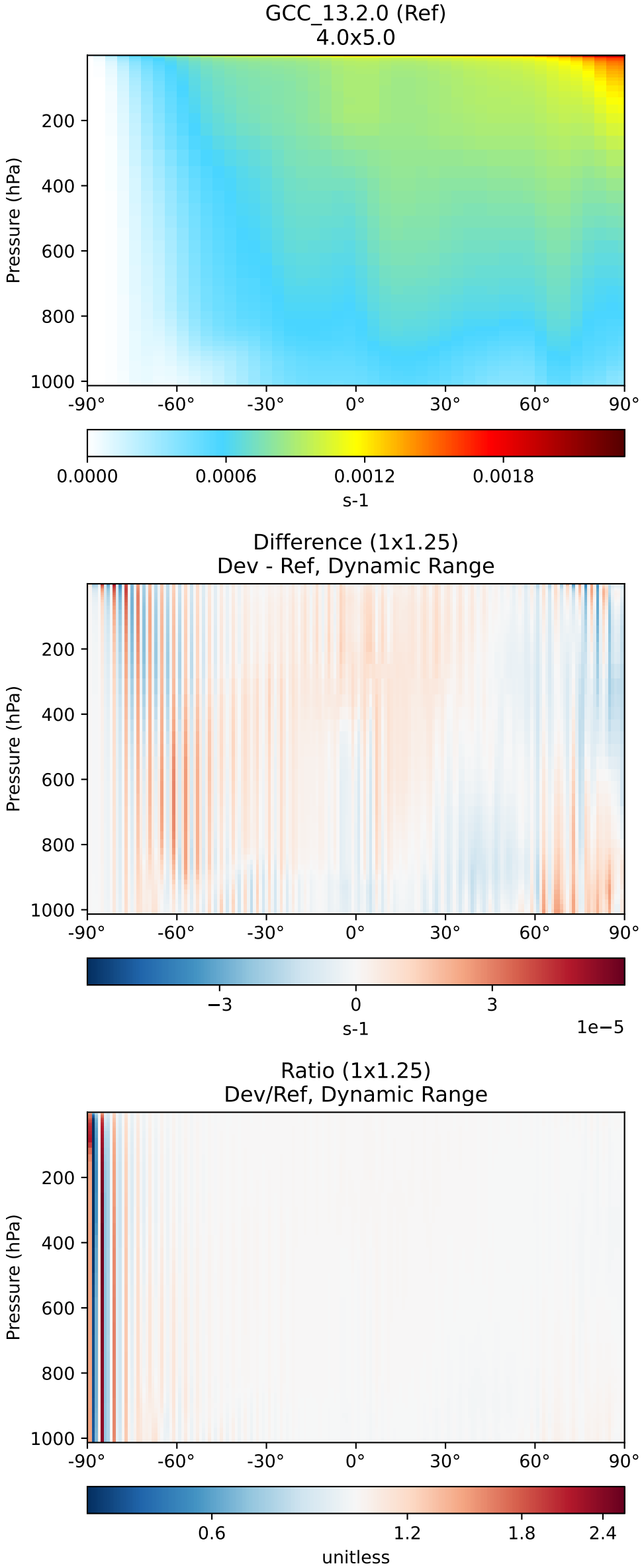


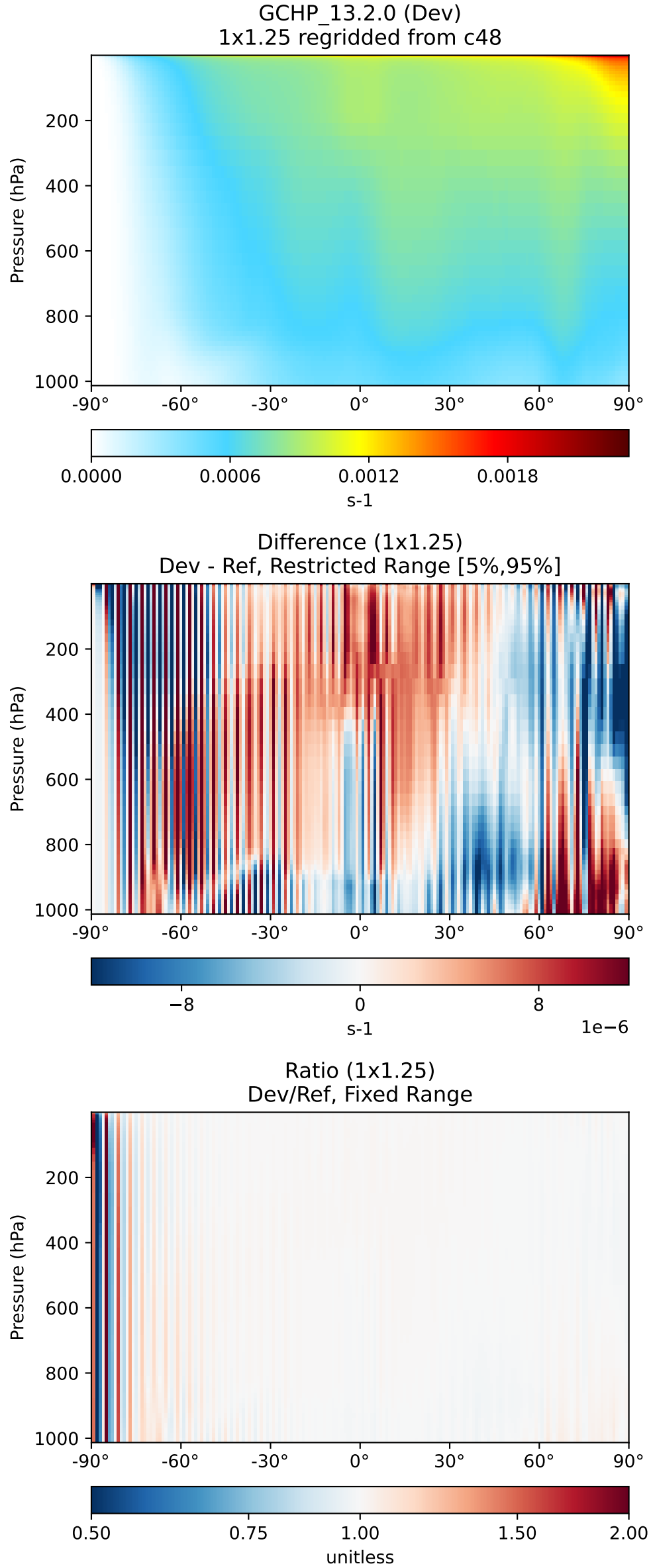
Jval_BrNO2, Zonal Mean (Apr2019)



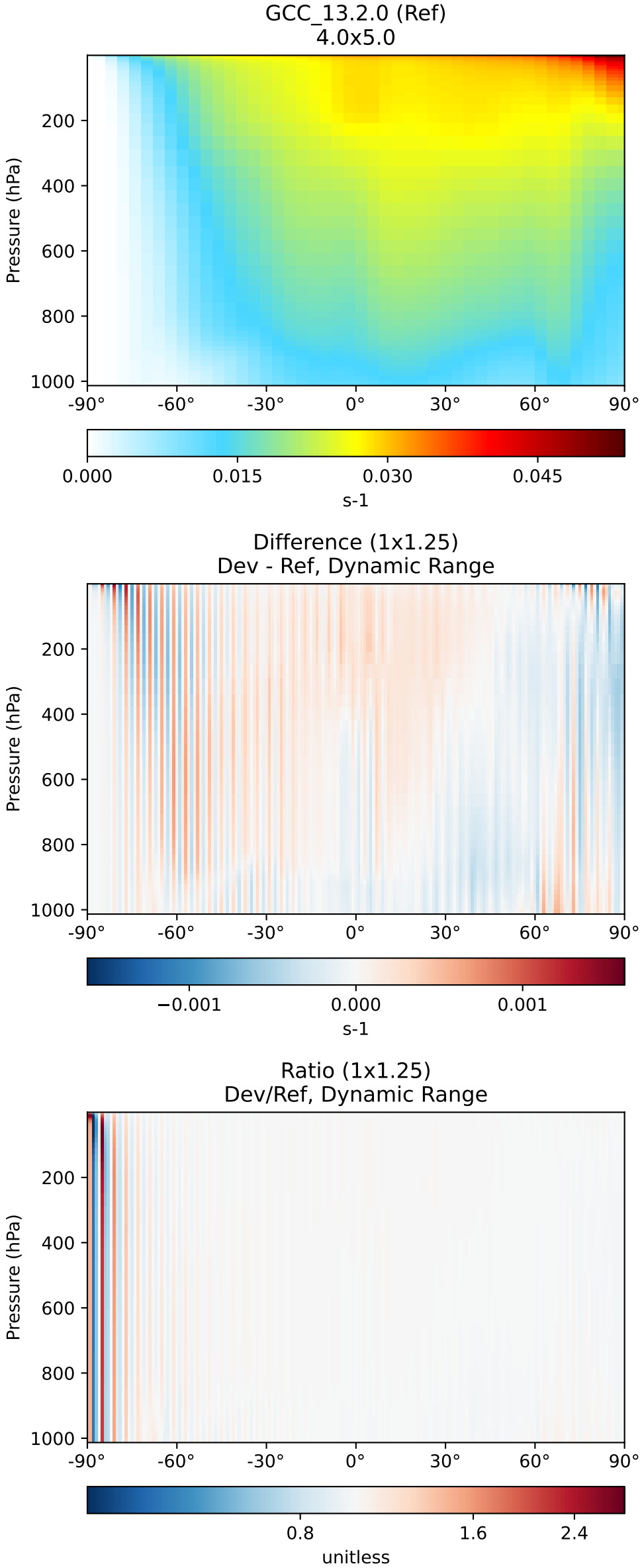


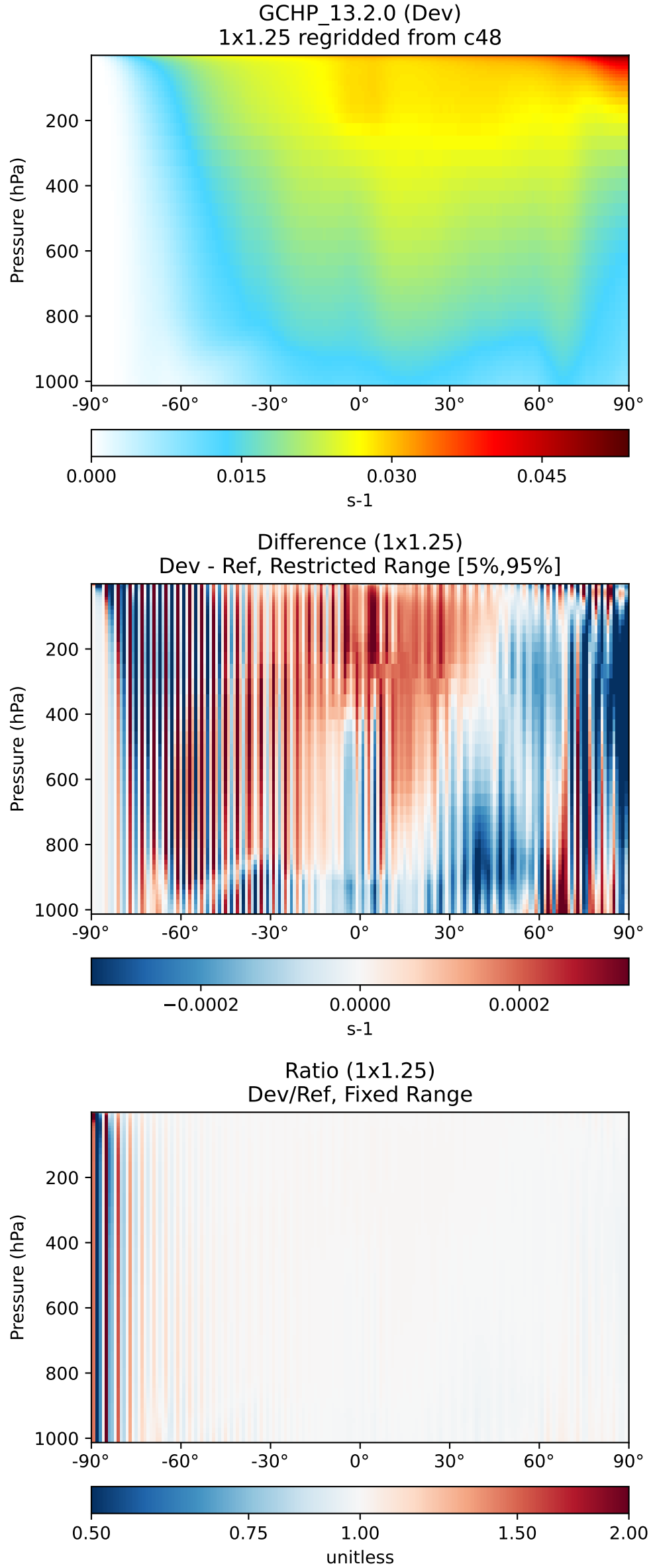
Jval_BrNO3, Zonal Mean (Apr2019)



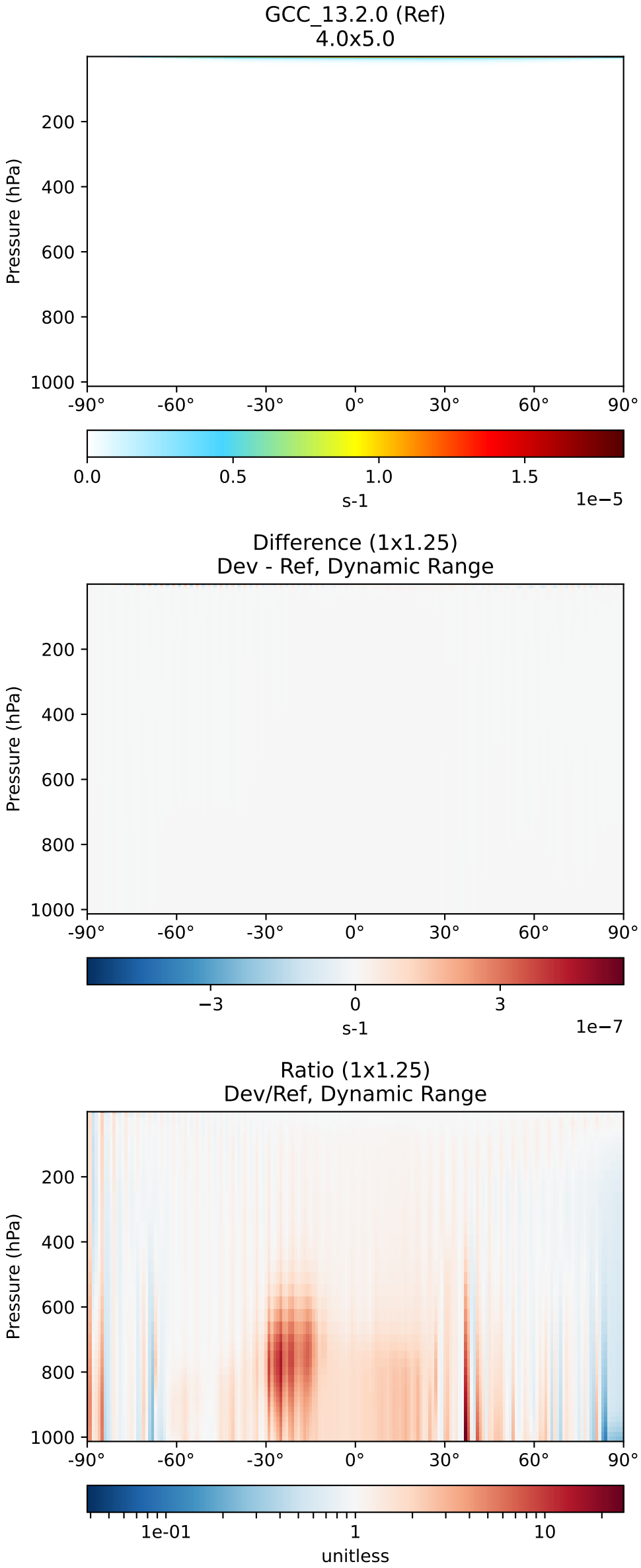


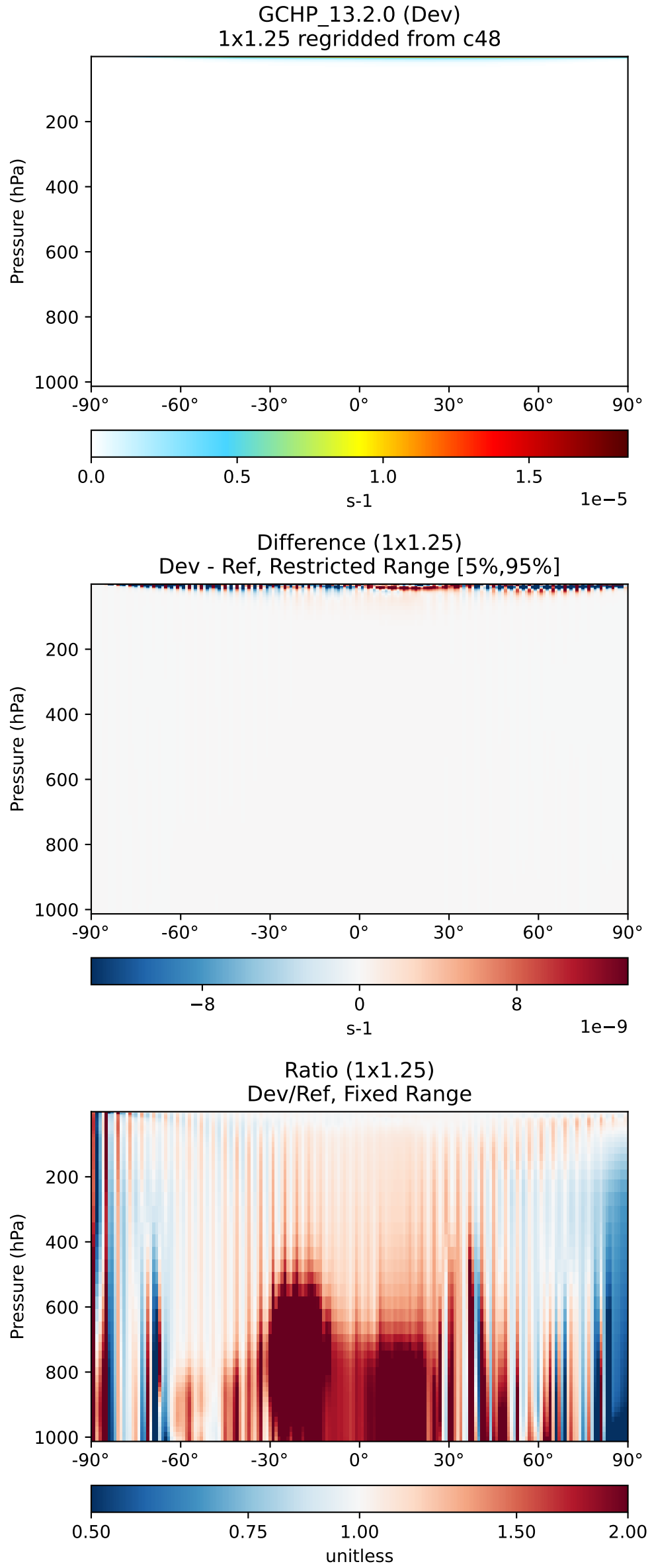
Jval_BrO, Zonal Mean (Apr2019)





Jval_CCl4, Zonal Mean (Apr2019)

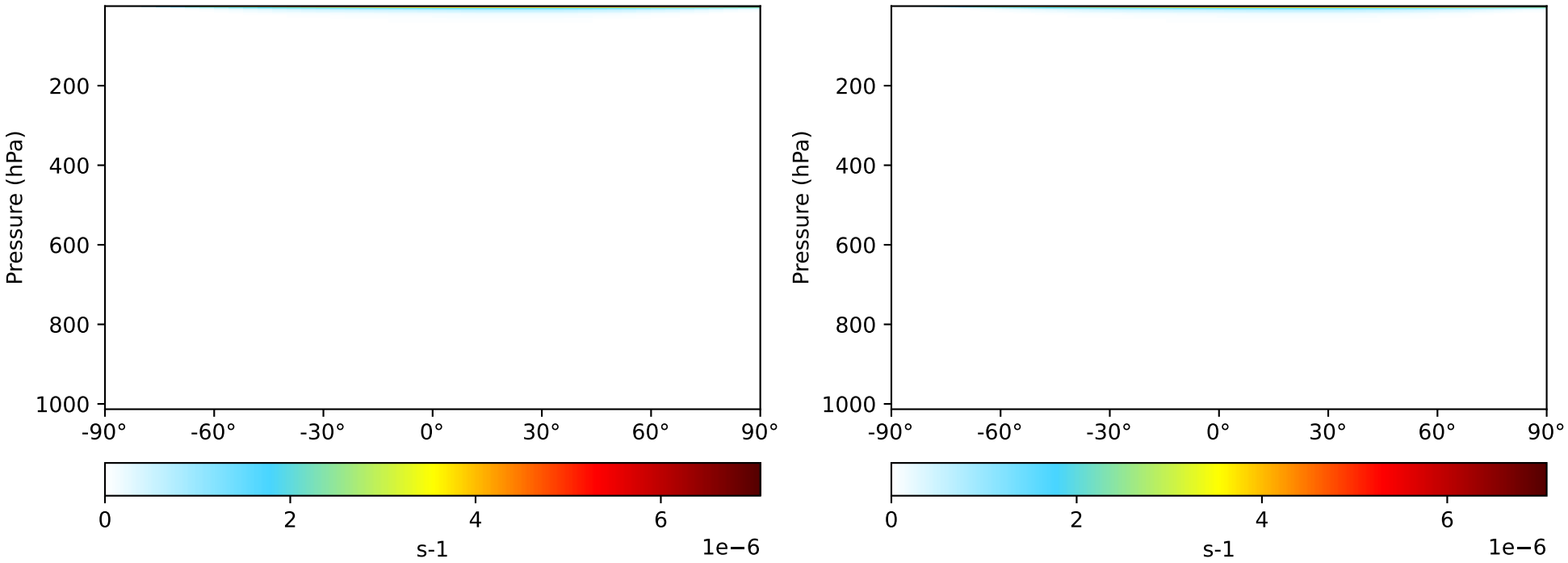




Jval_CFC11, Zonal Mean (Apr2019)

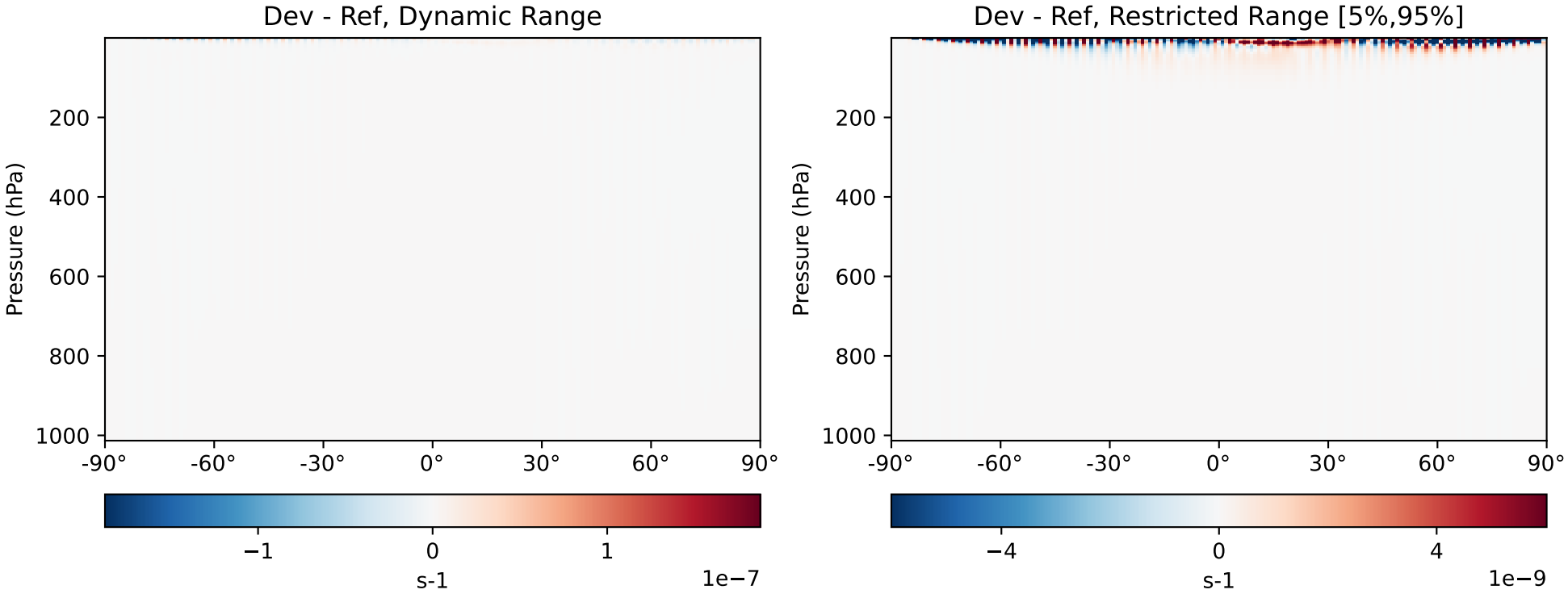
GCC_13.2.0 (Ref)
4.0x5.0

GCHP_13.2.0 (Dev)
1x1.25 regridded from c48



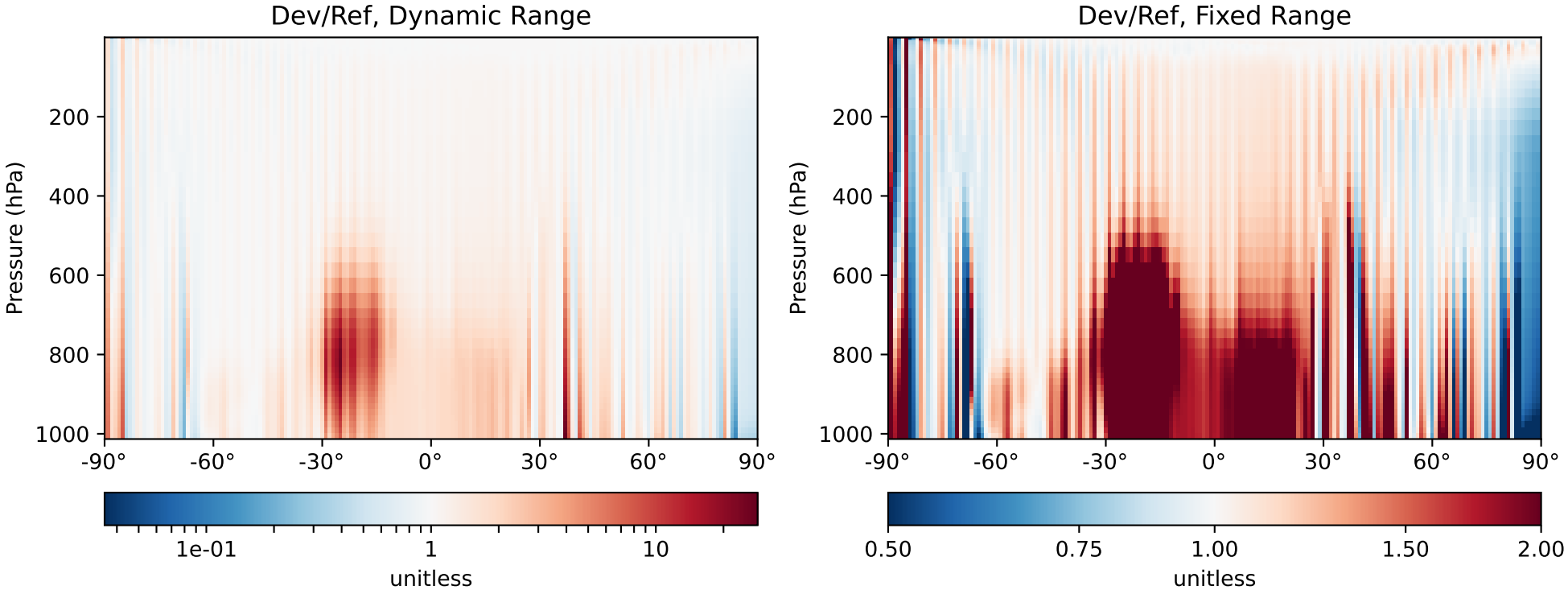
Difference (1x1.25)
Dev - Ref, Dynamic Range

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

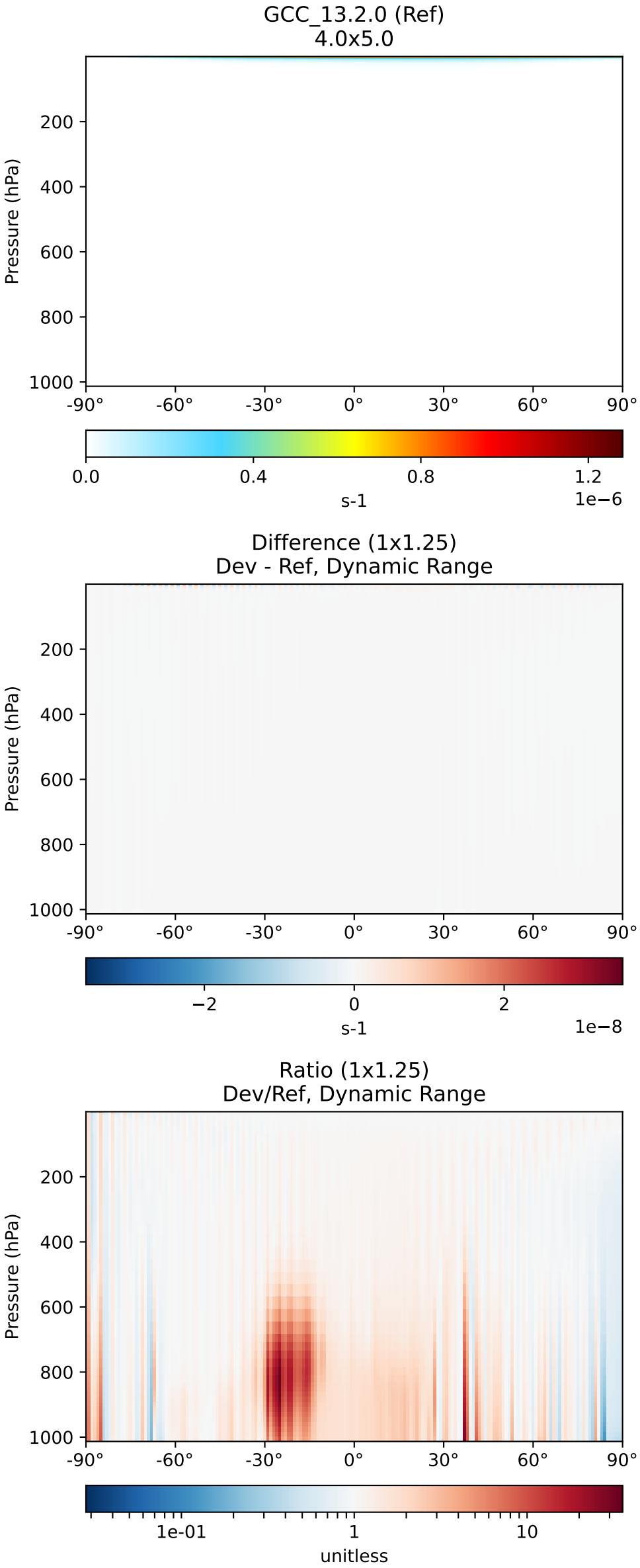


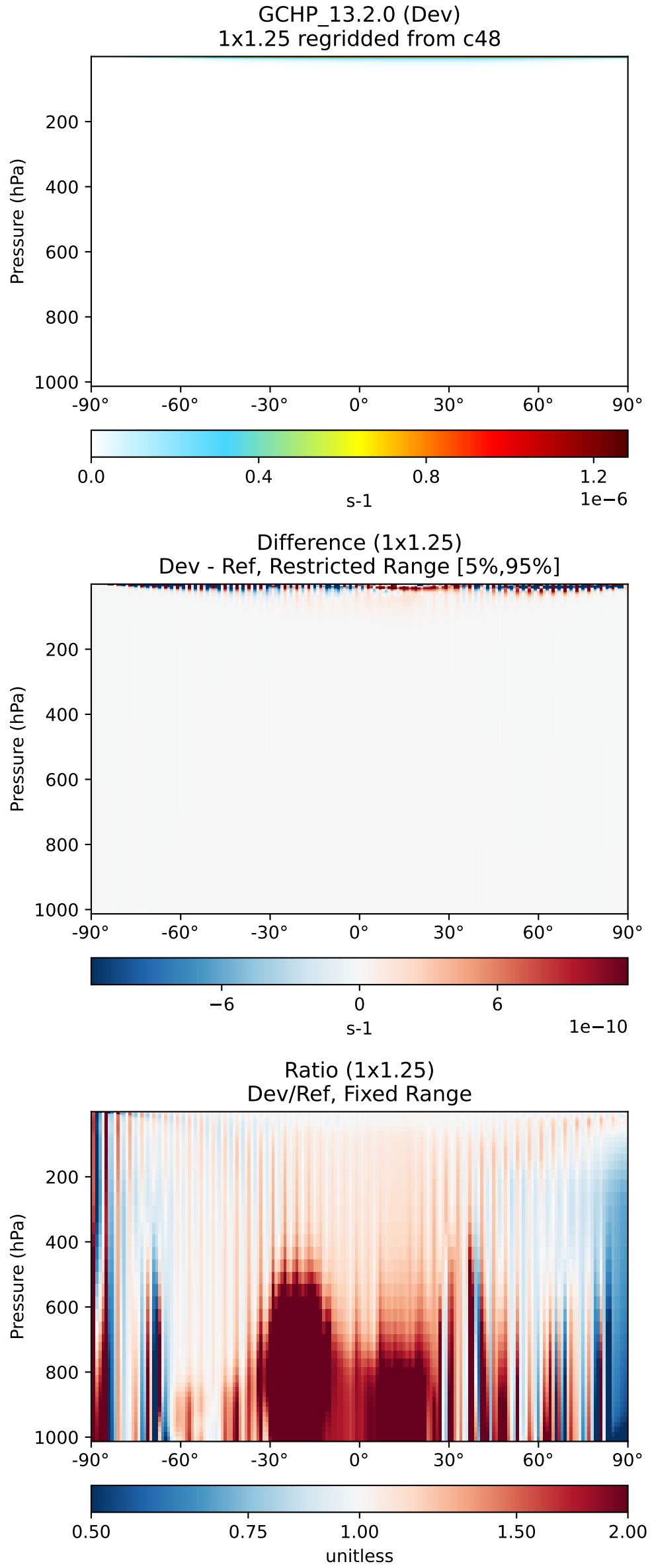
Ratio (1x1.25)
Dev/Ref, Dynamic Range

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

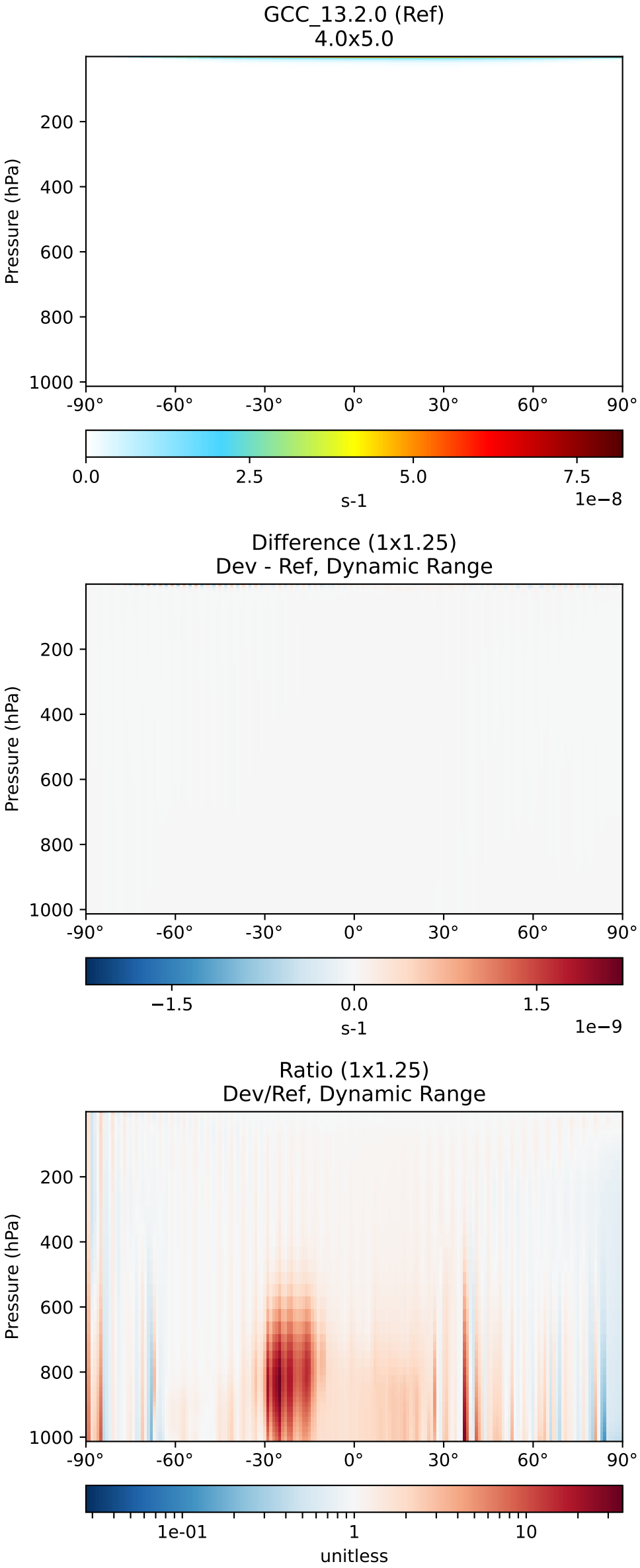


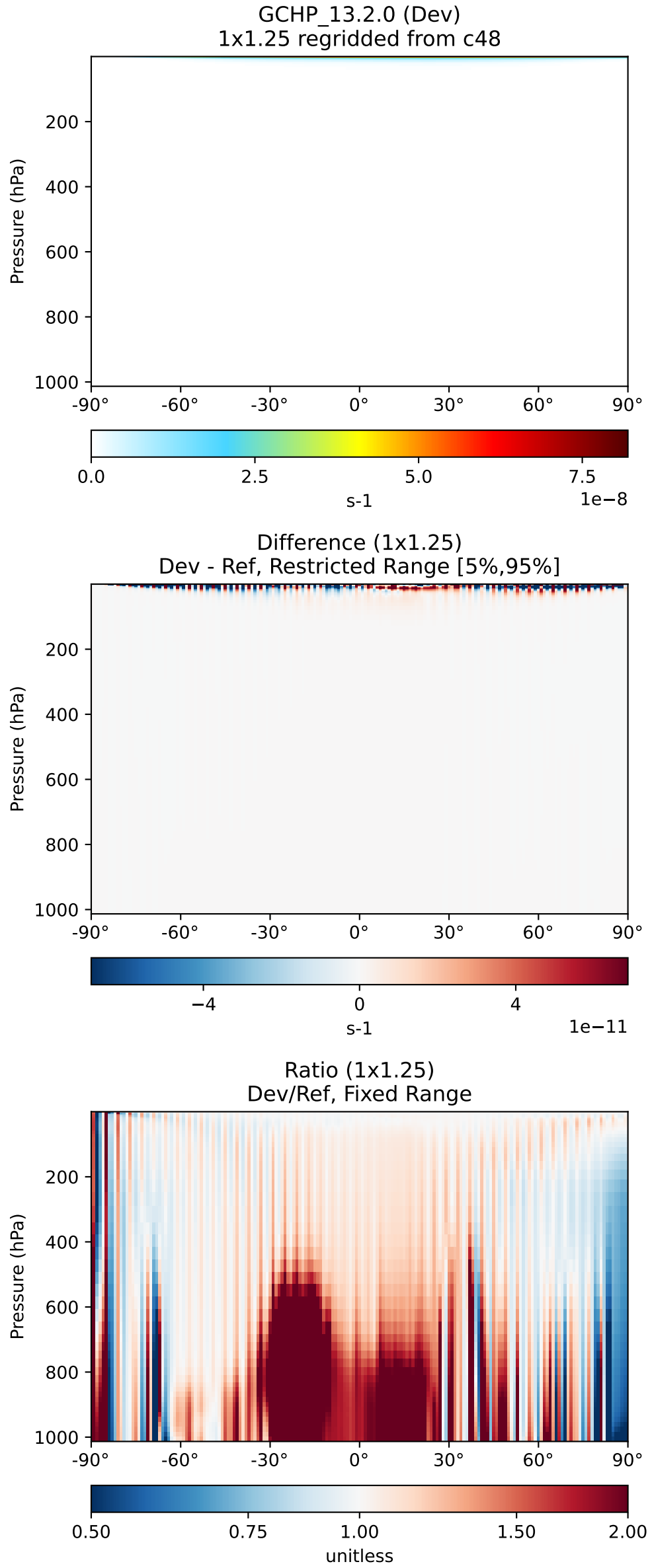
Jval_CFC113, Zonal Mean (Apr2019)



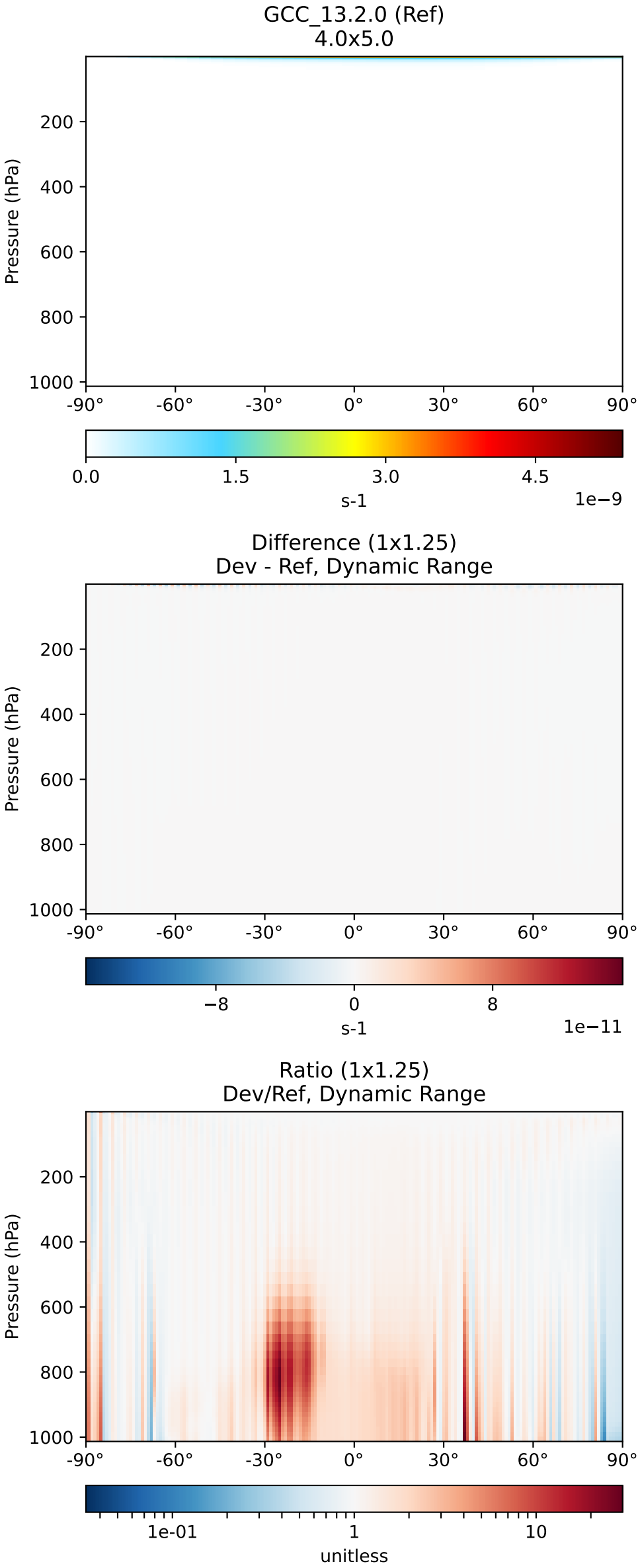


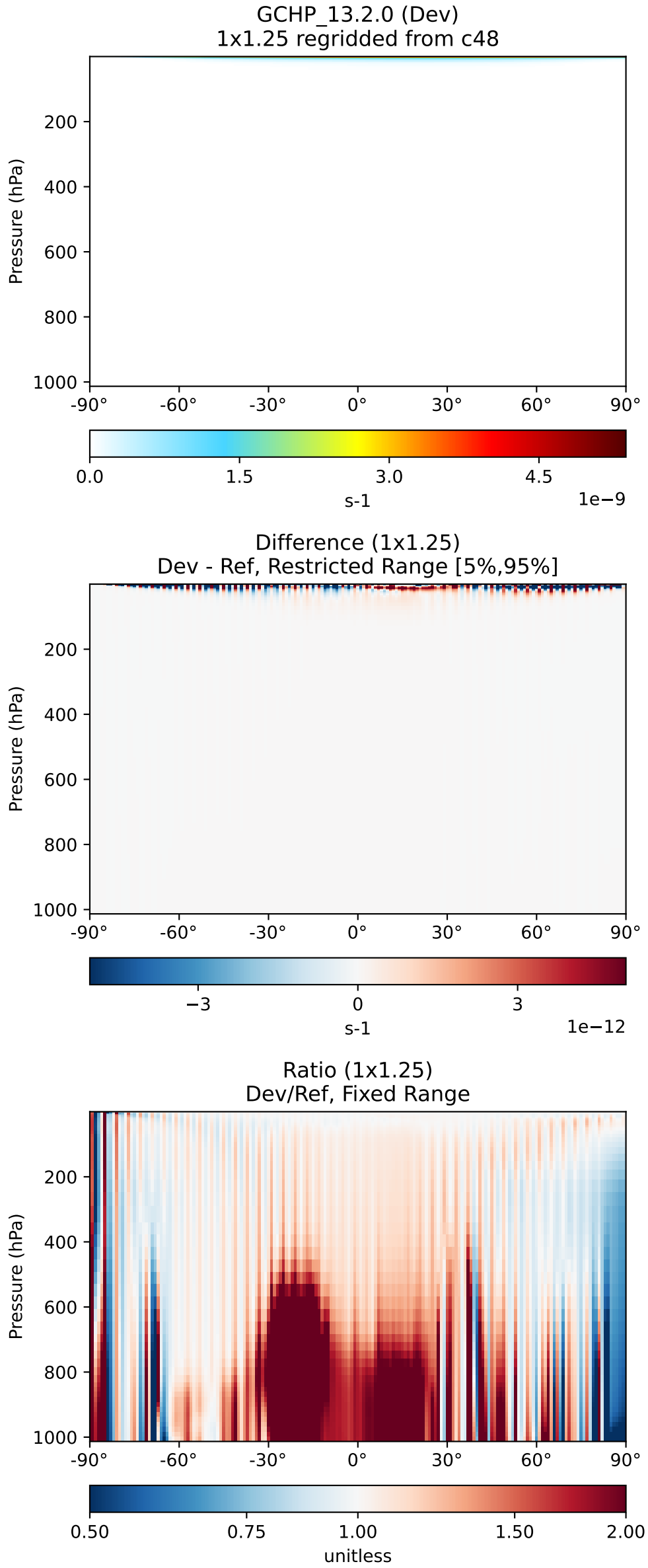
Jval_CFC114, Zonal Mean (Apr2019)



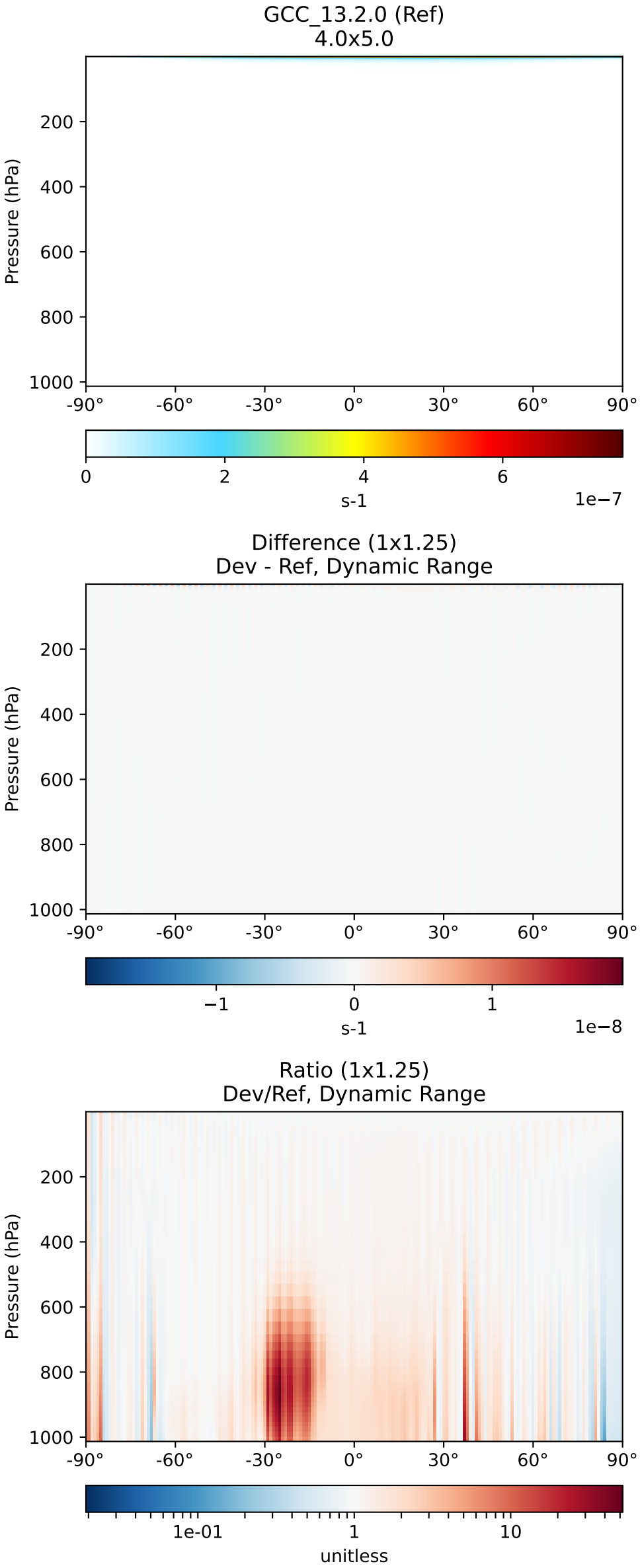


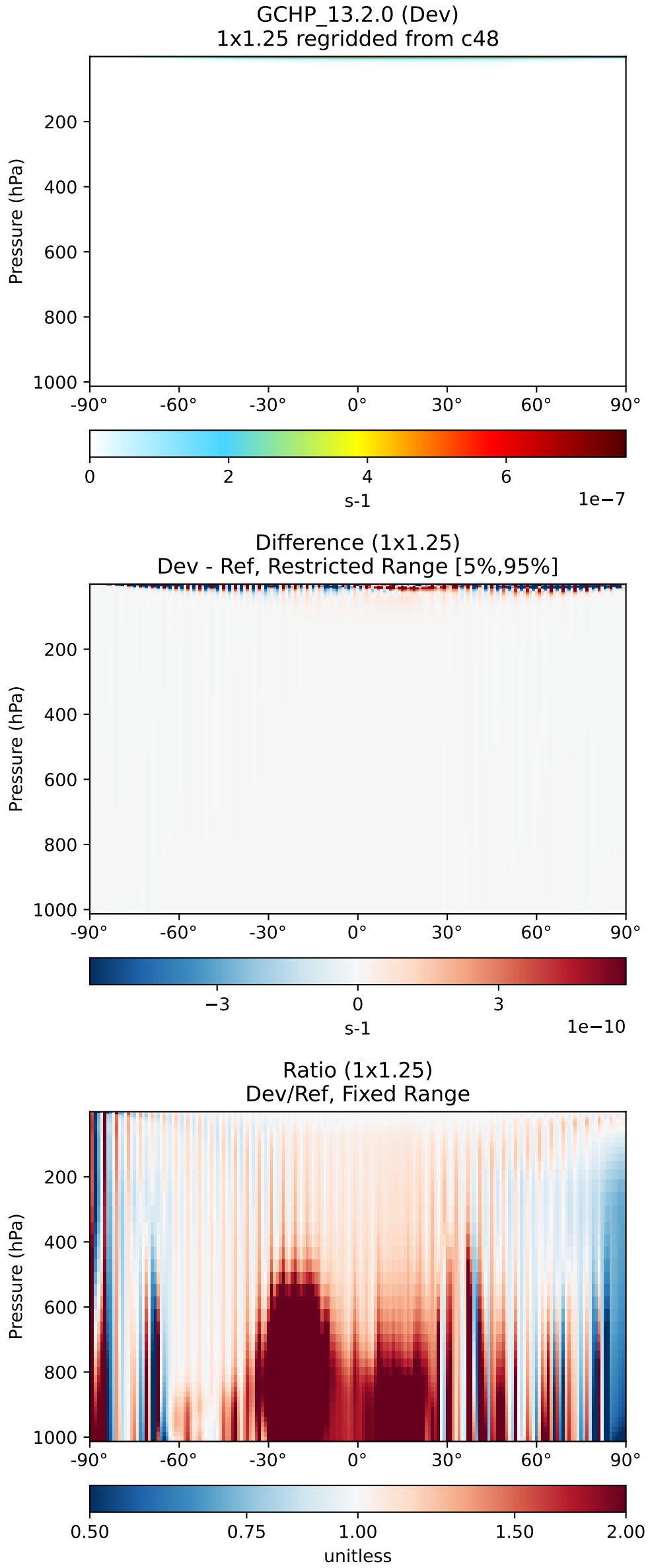
Jval_CFC115, Zonal Mean (Apr2019)



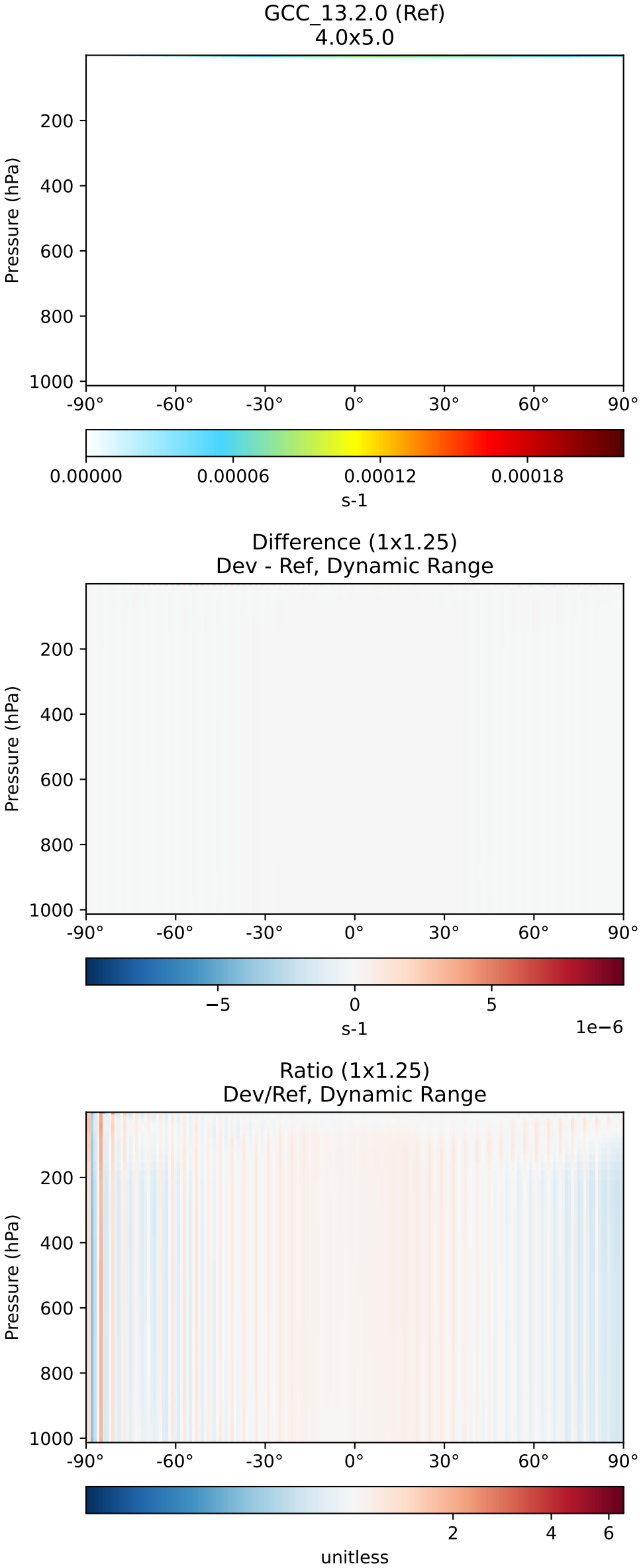


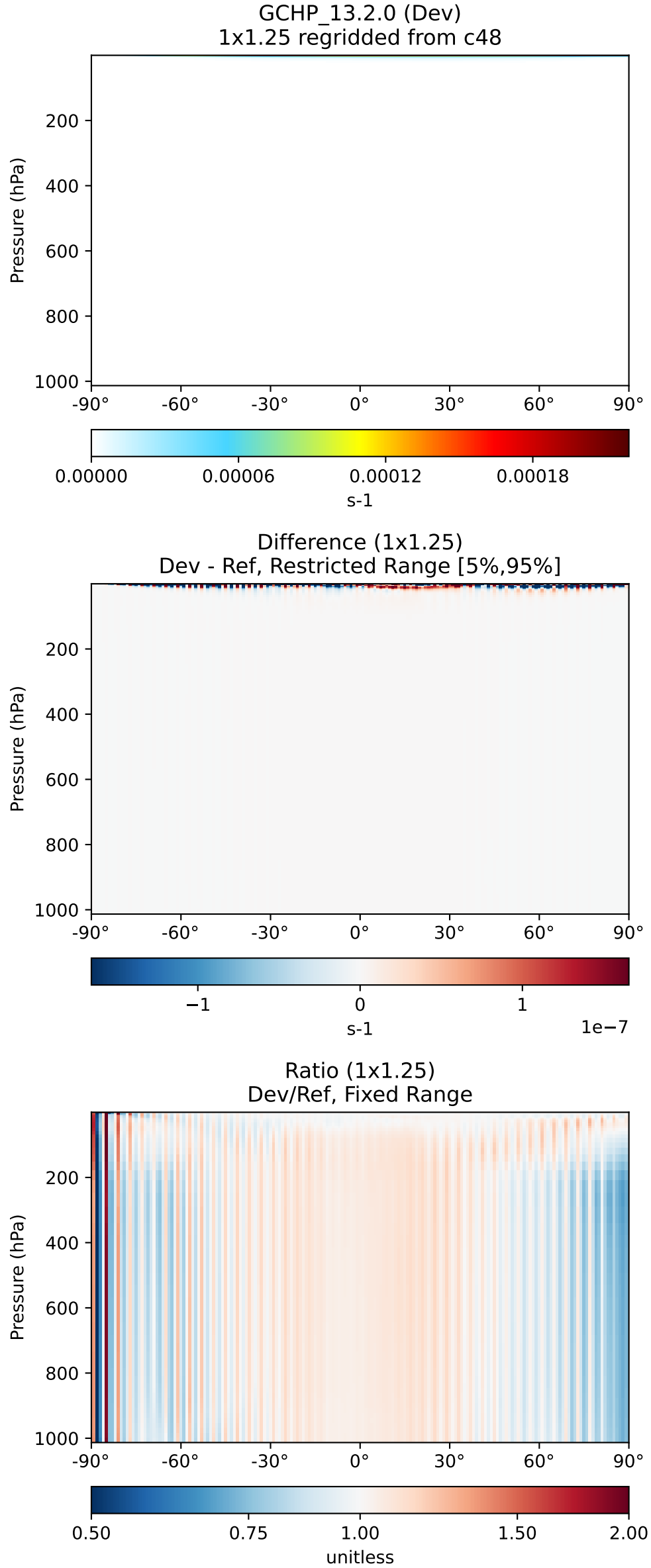
Jval_CFC12, Zonal Mean (Apr2019)



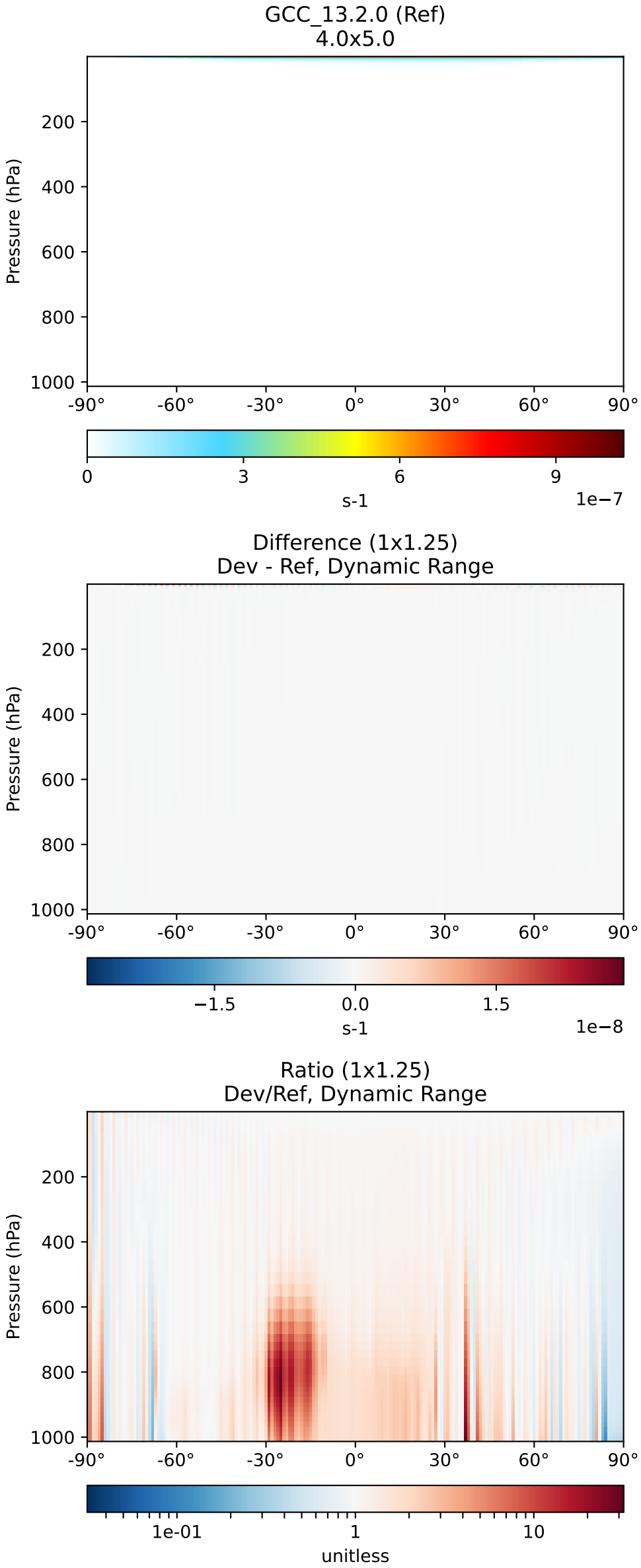


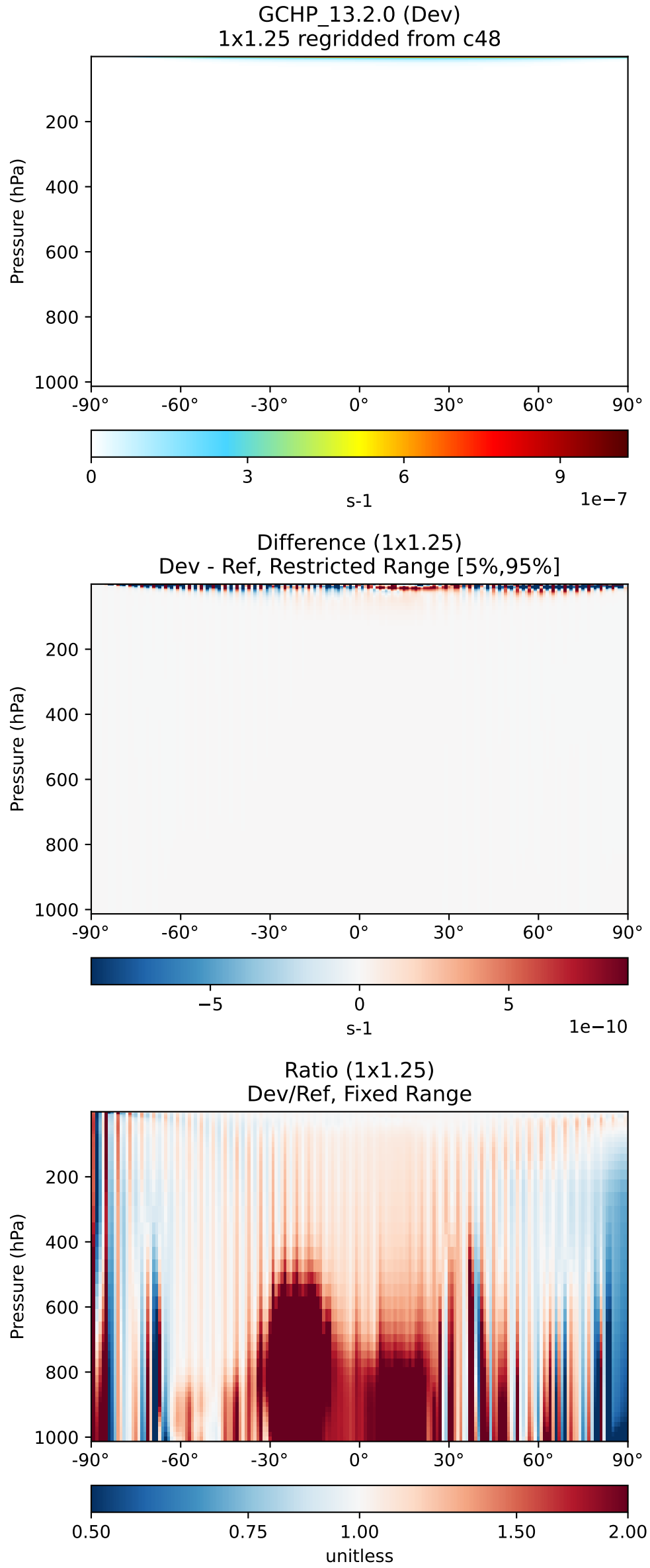
Jval_CH2Br2, Zonal Mean (Apr2019)



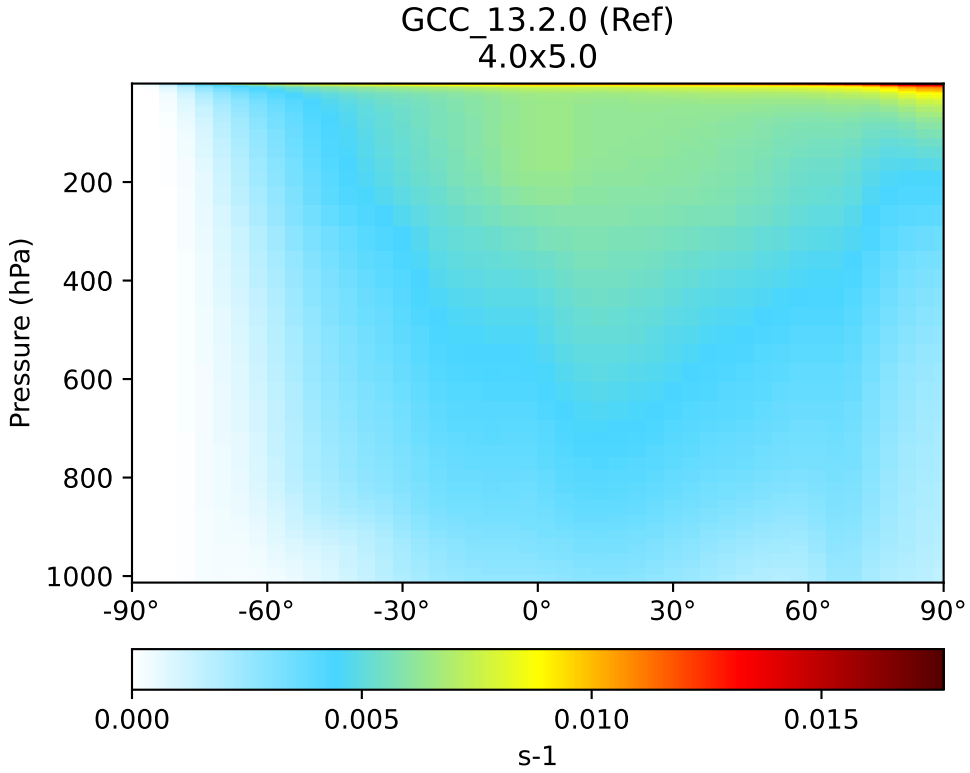


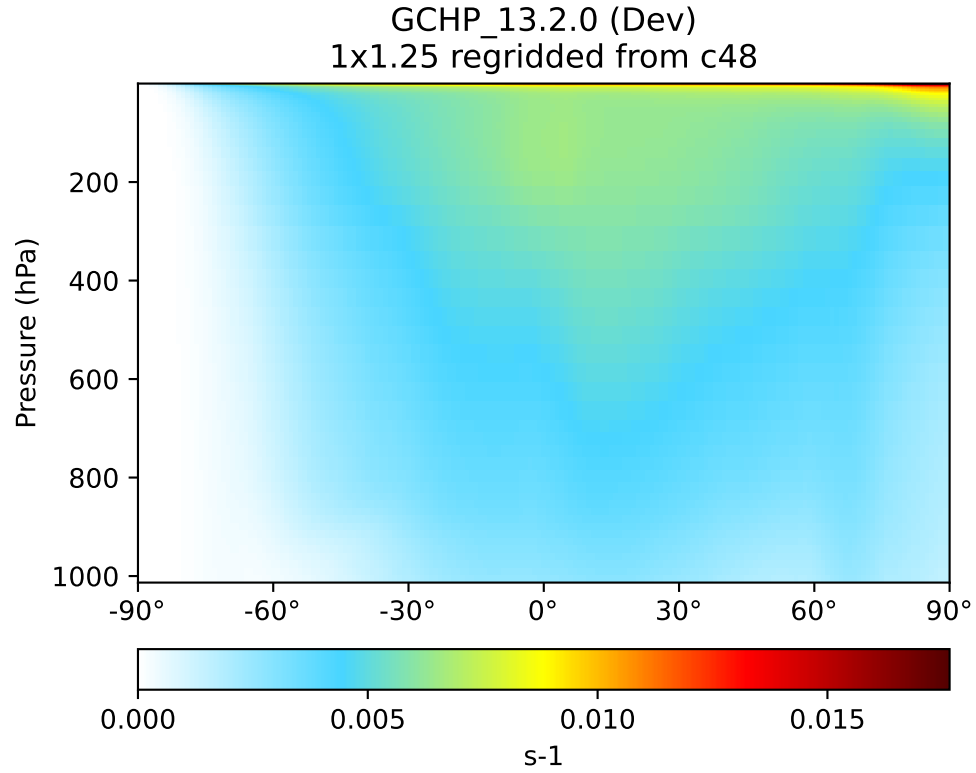
Jval_CH2Cl2, Zonal Mean (Apr2019)

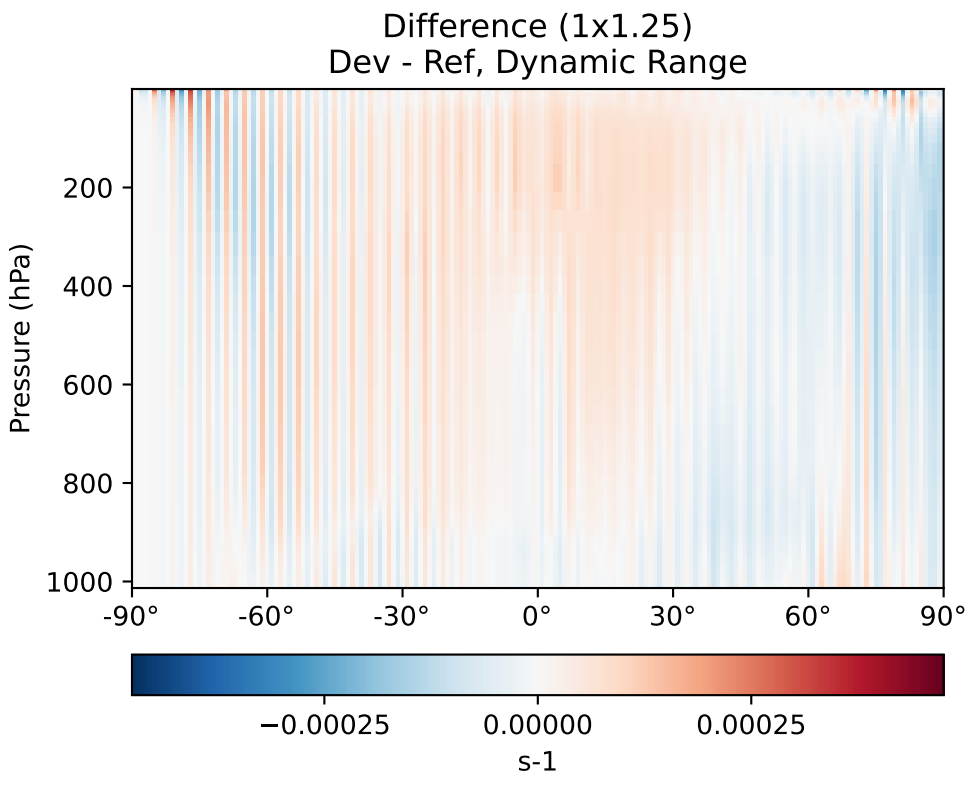


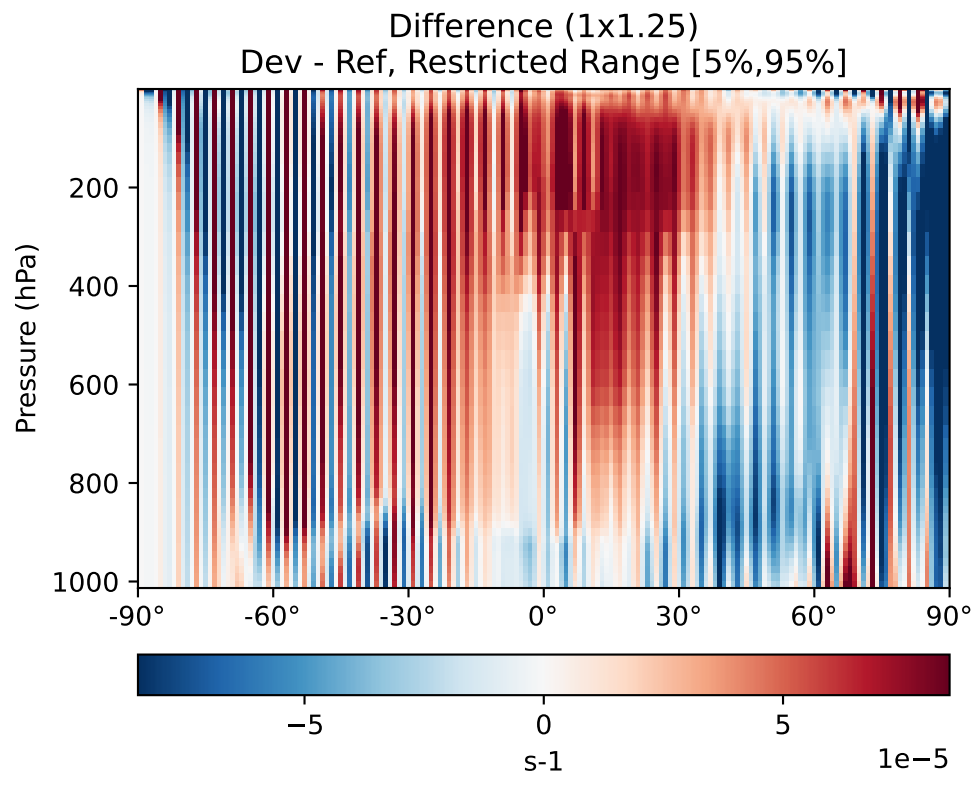


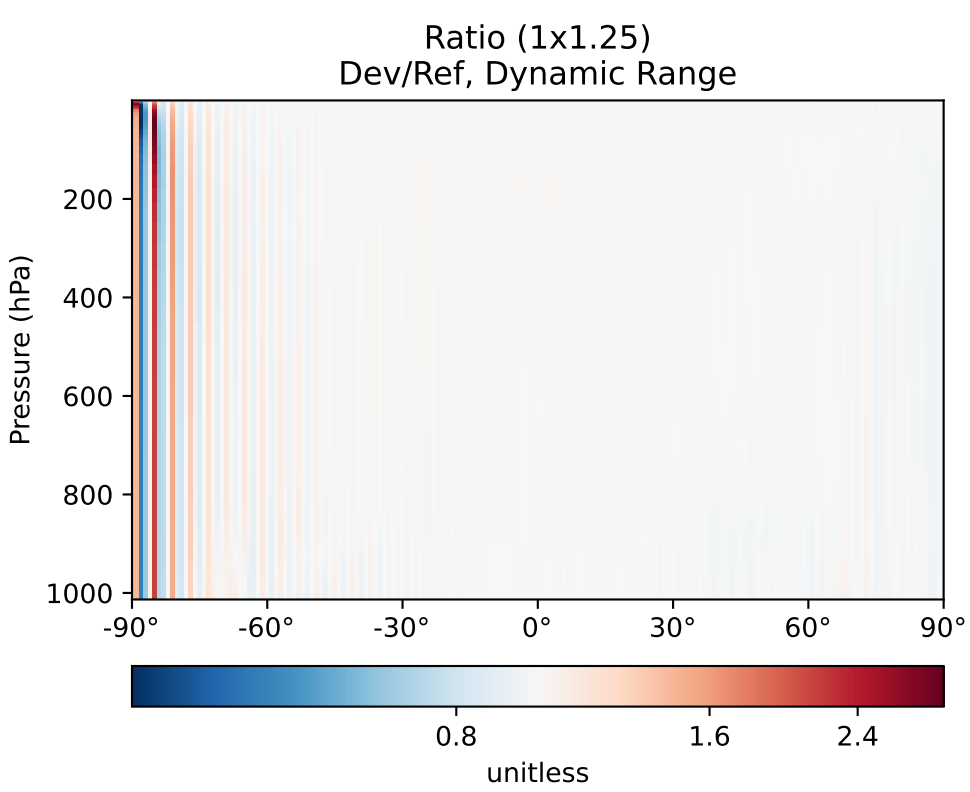
Jval_CH2I2, Zonal Mean (Apr2019)

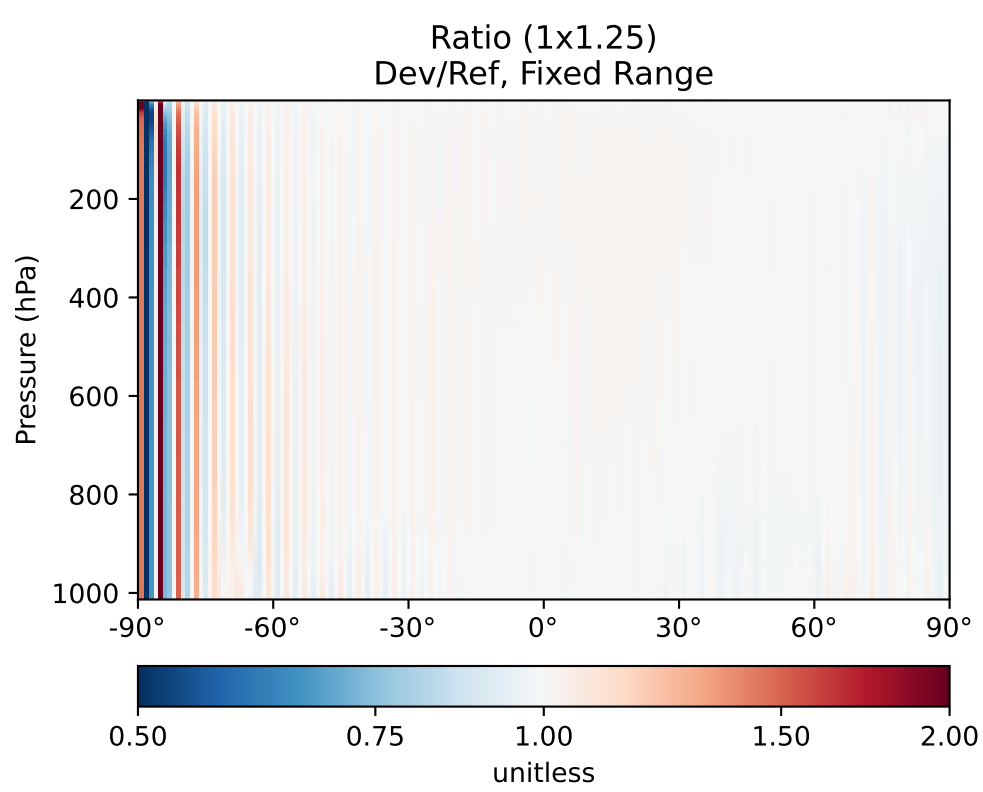




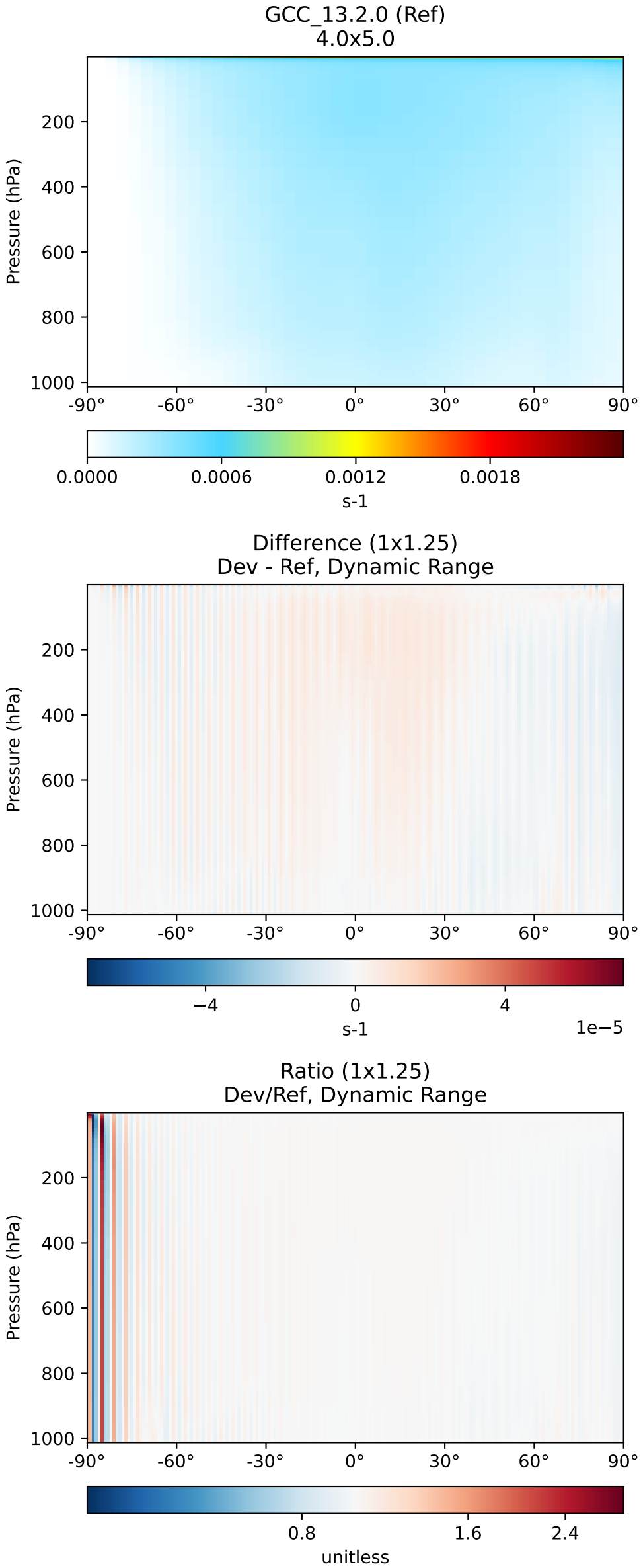


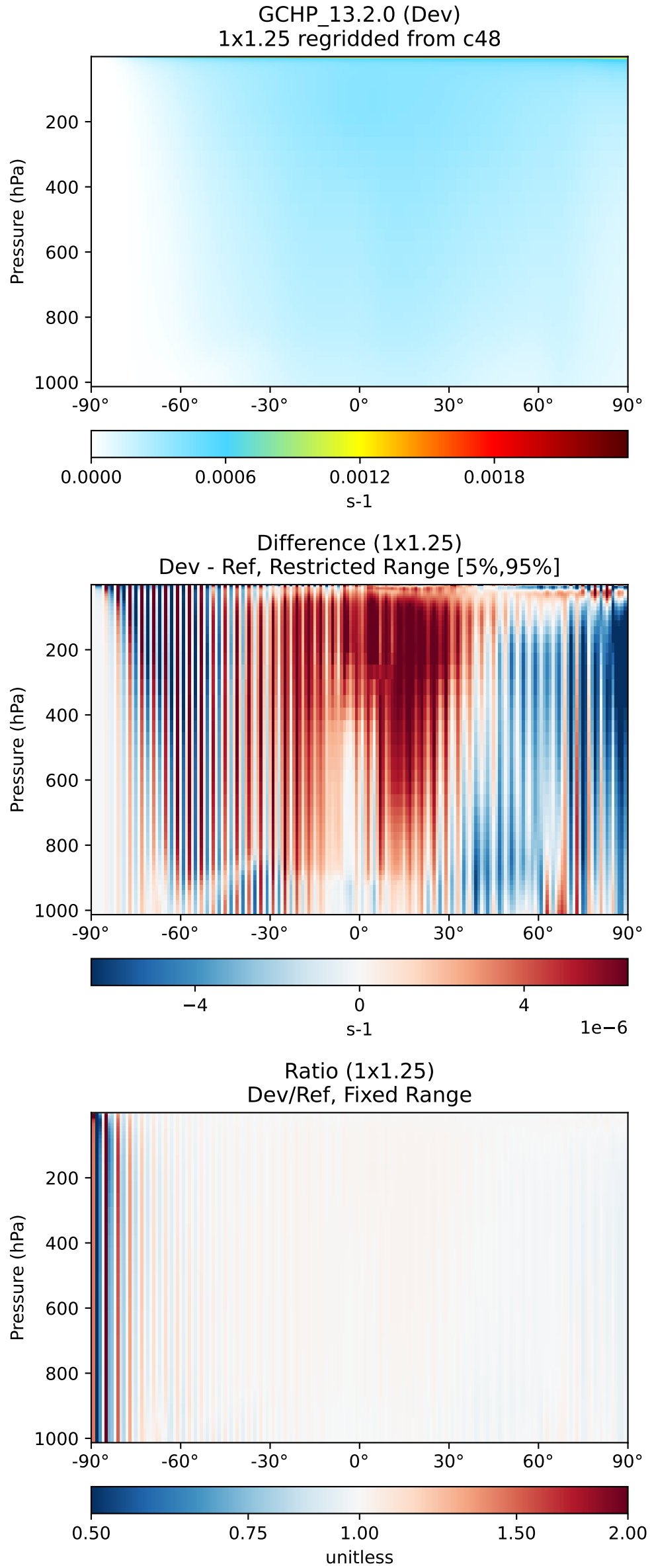




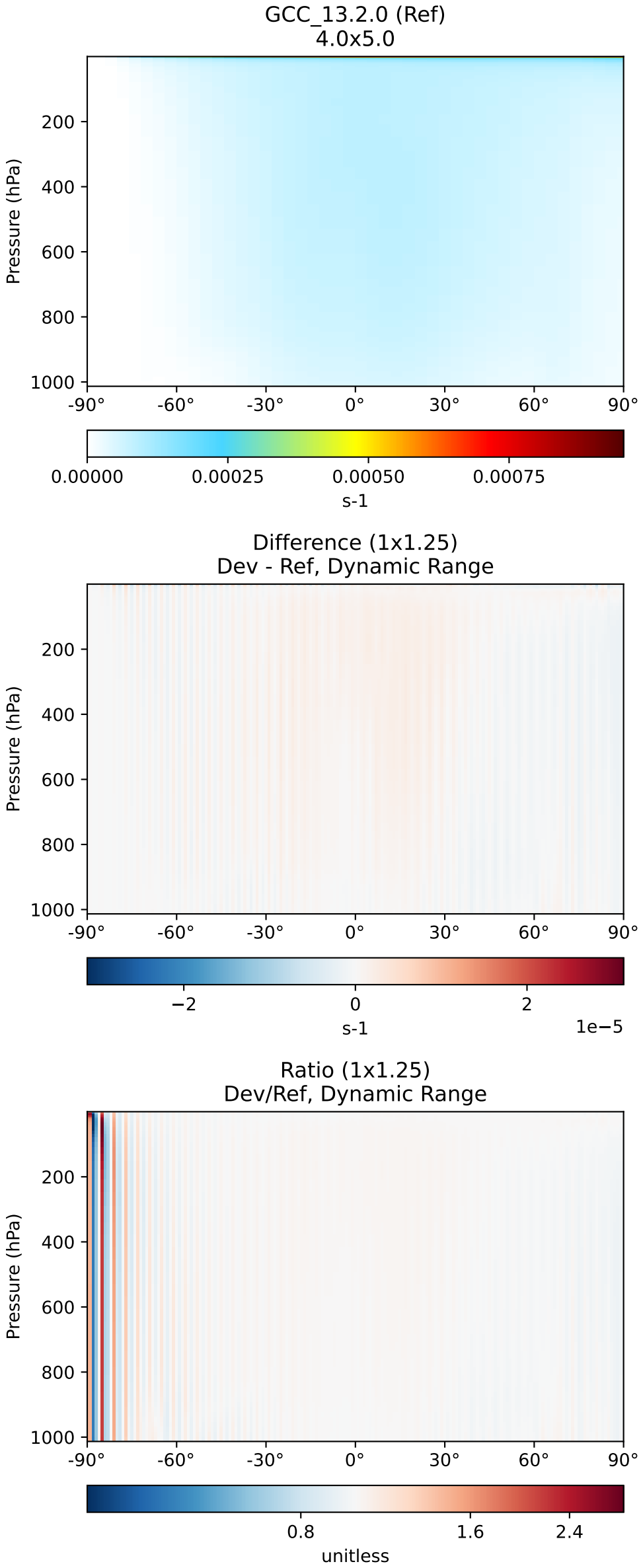


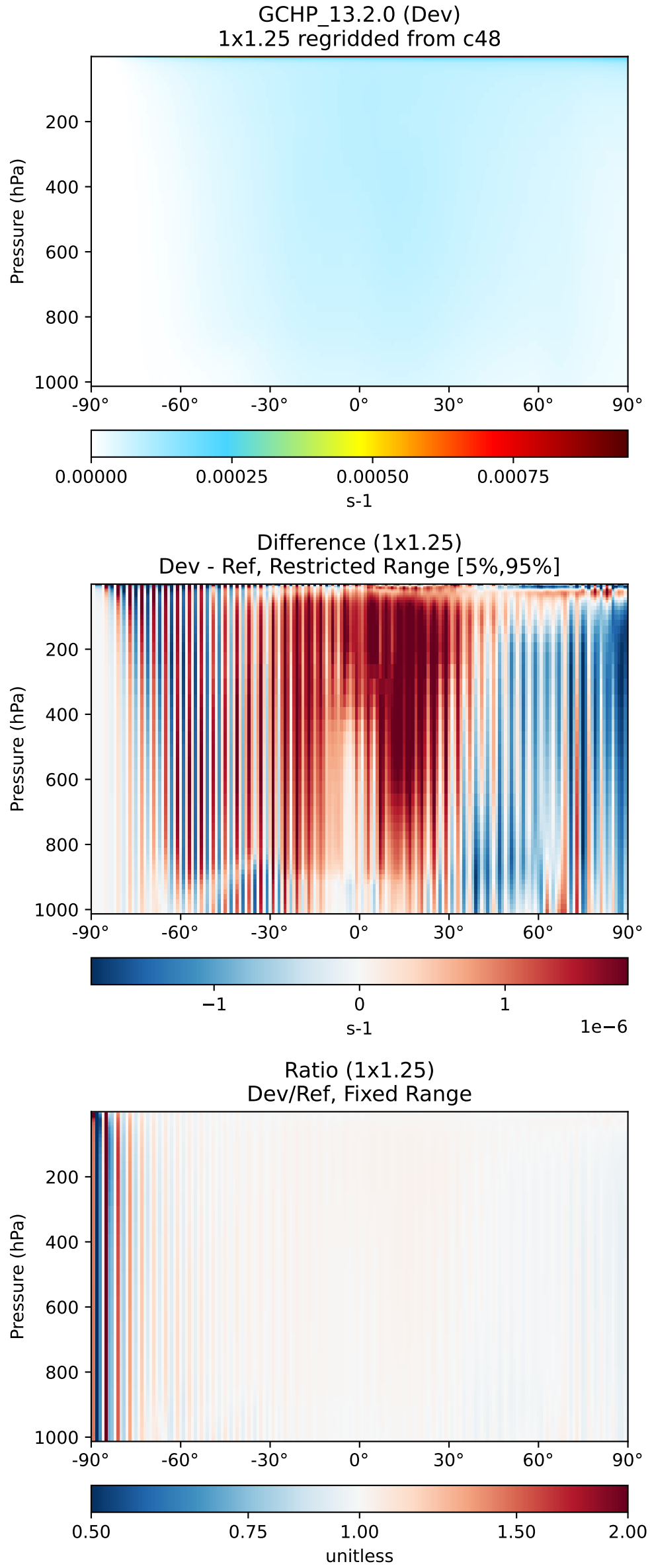
Jval_CH2IBr, Zonal Mean (Apr2019)



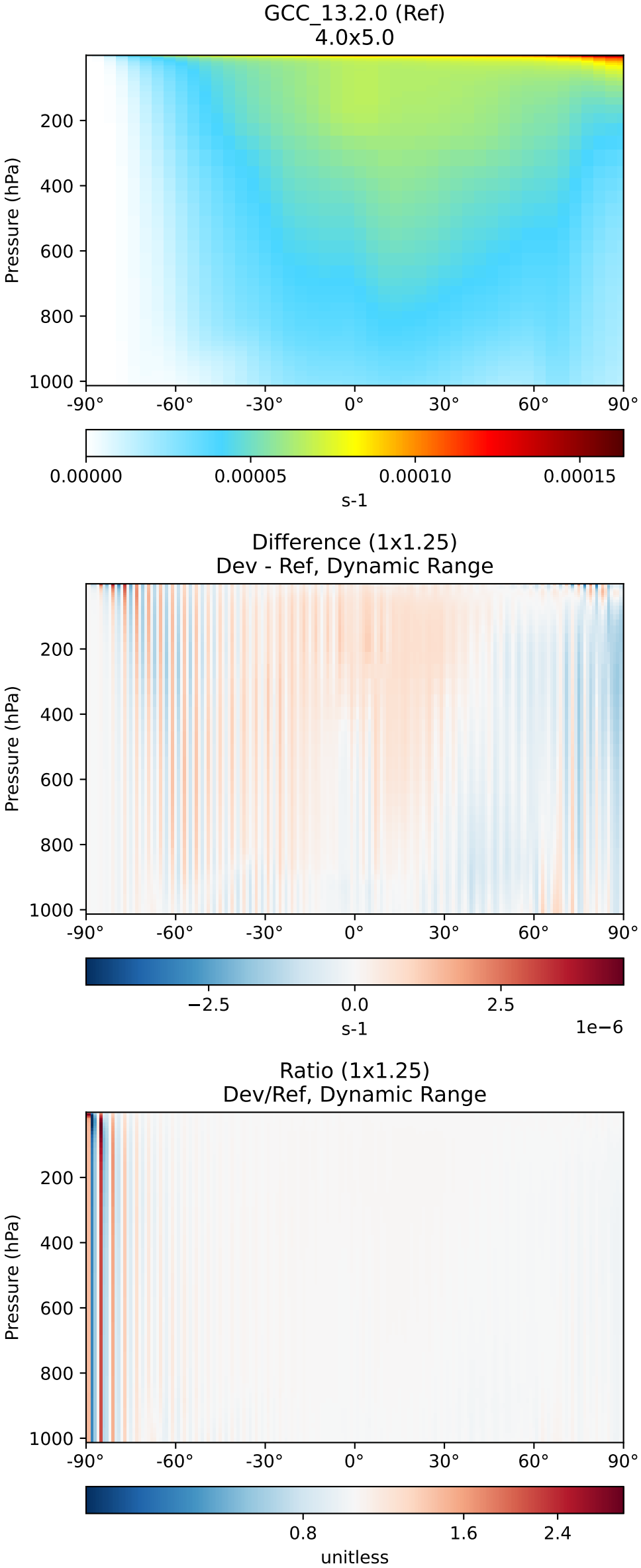


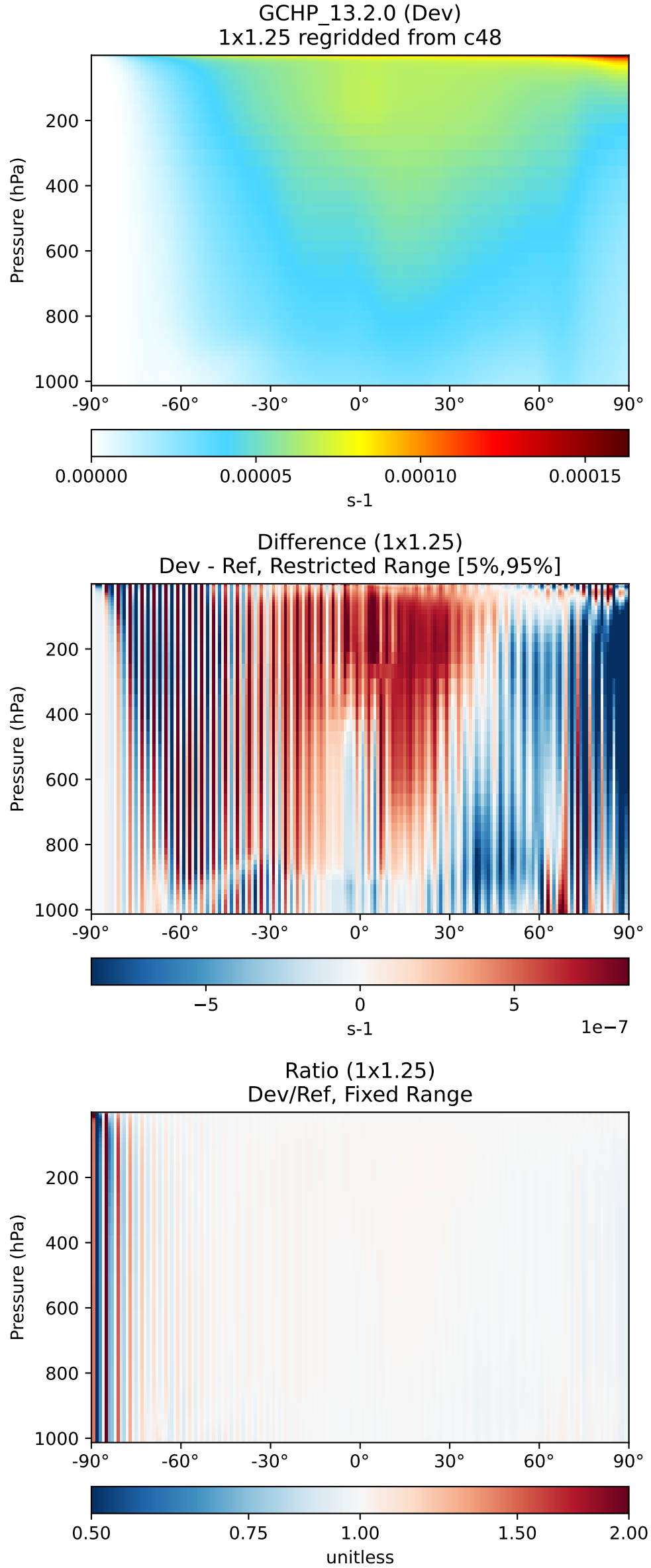
Jval_CH2ICl, Zonal Mean (Apr2019)



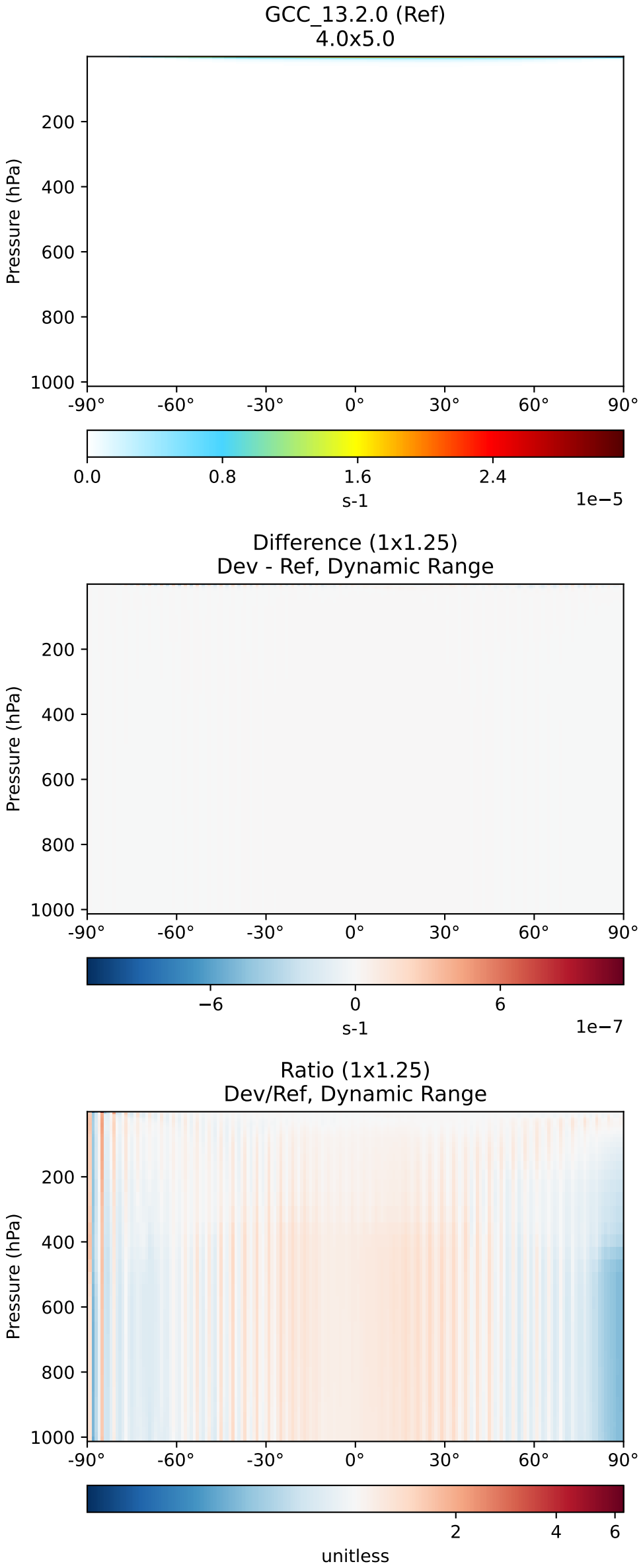


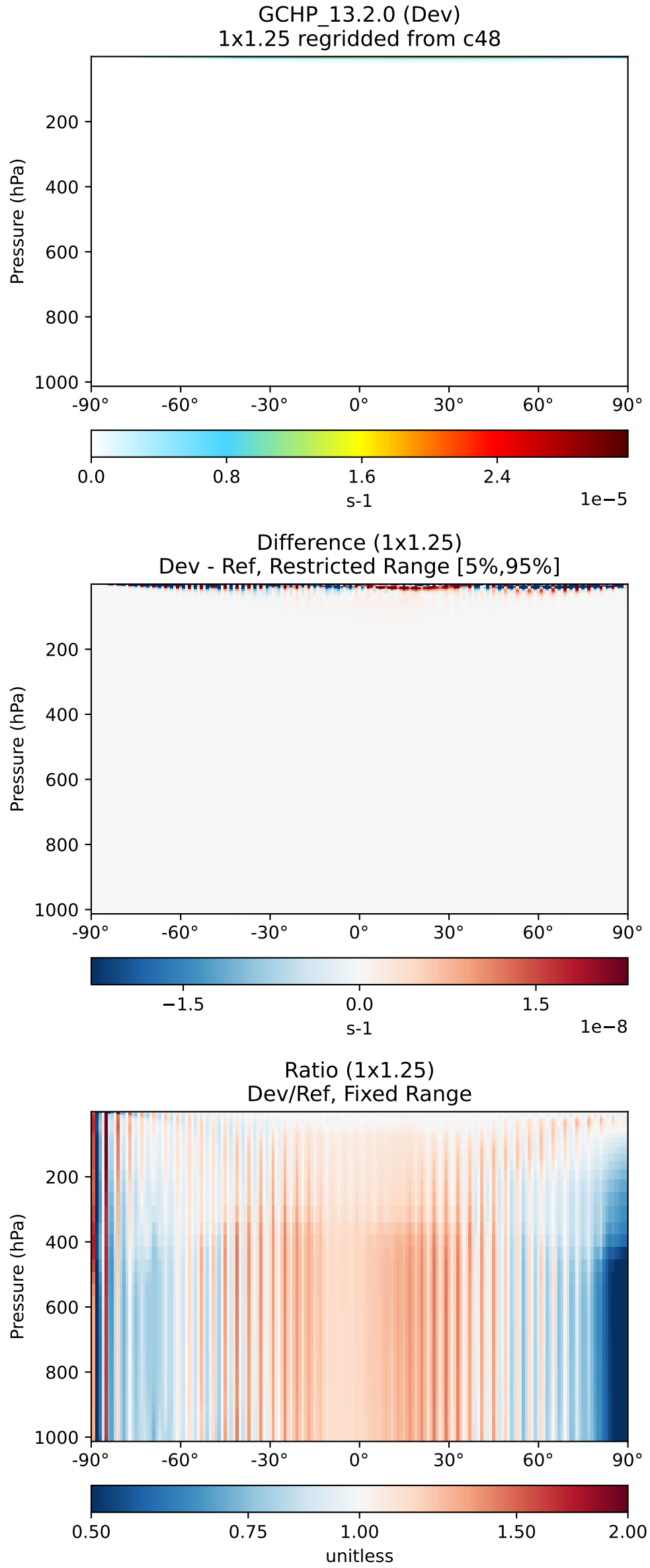
Jval_CH2O, Zonal Mean (Apr2019)



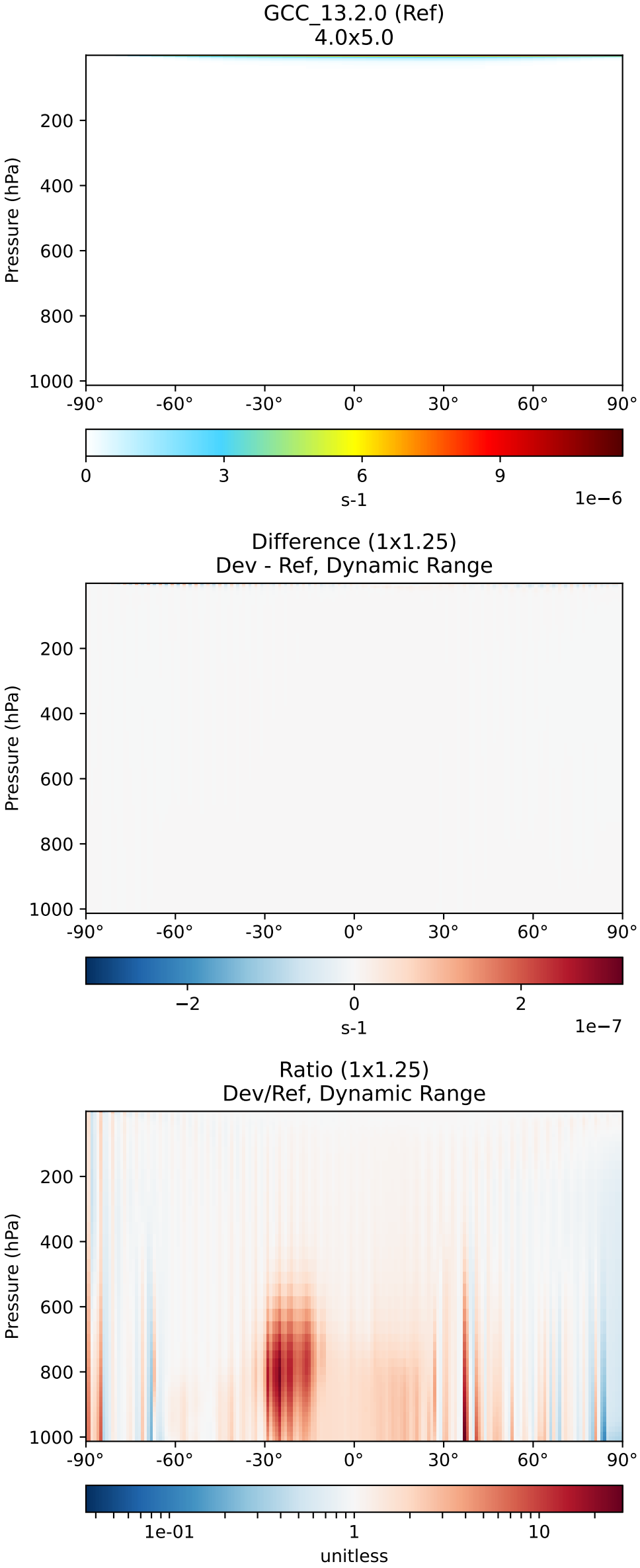


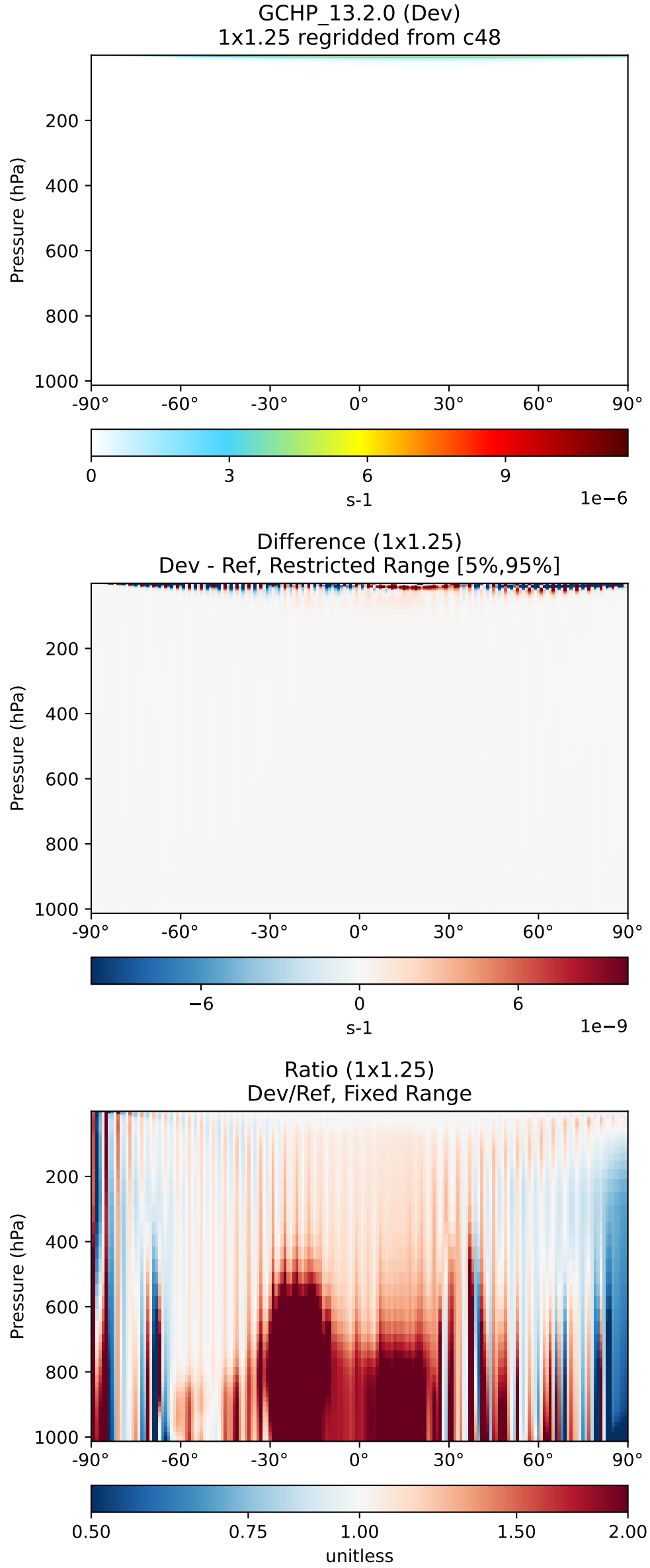
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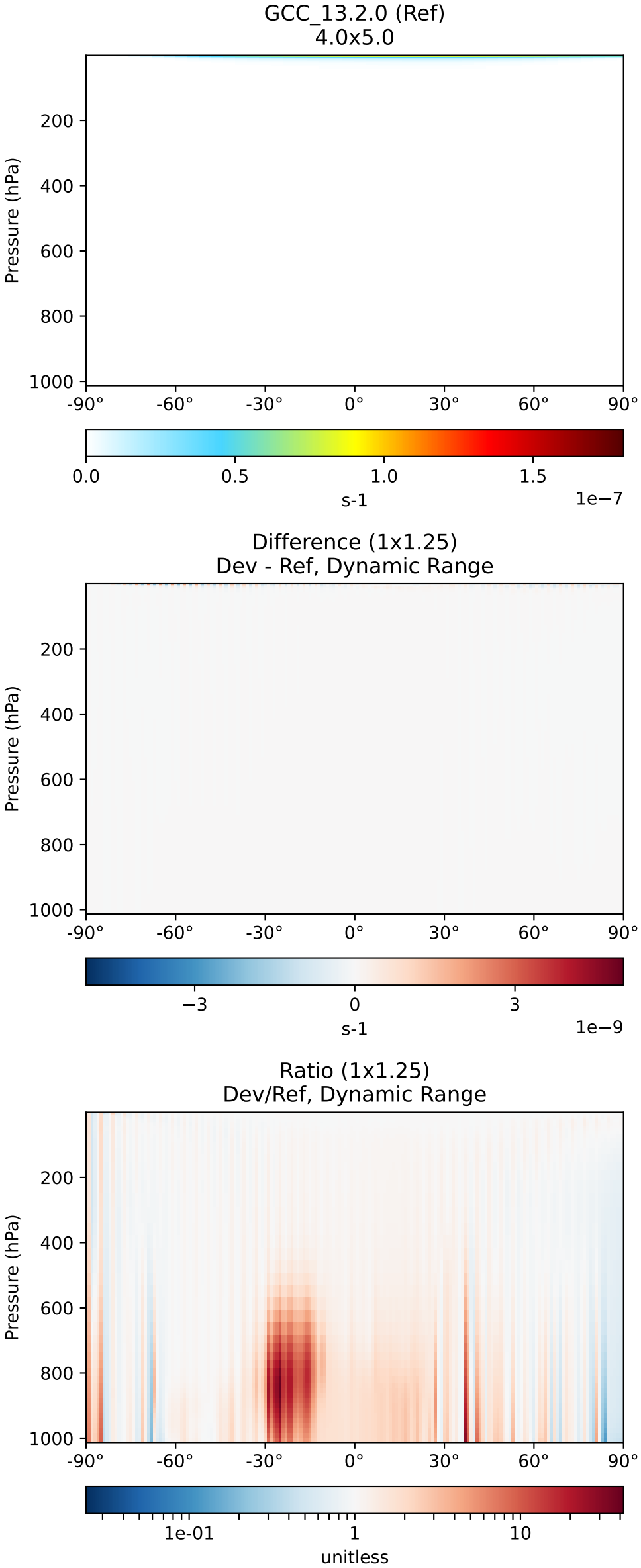


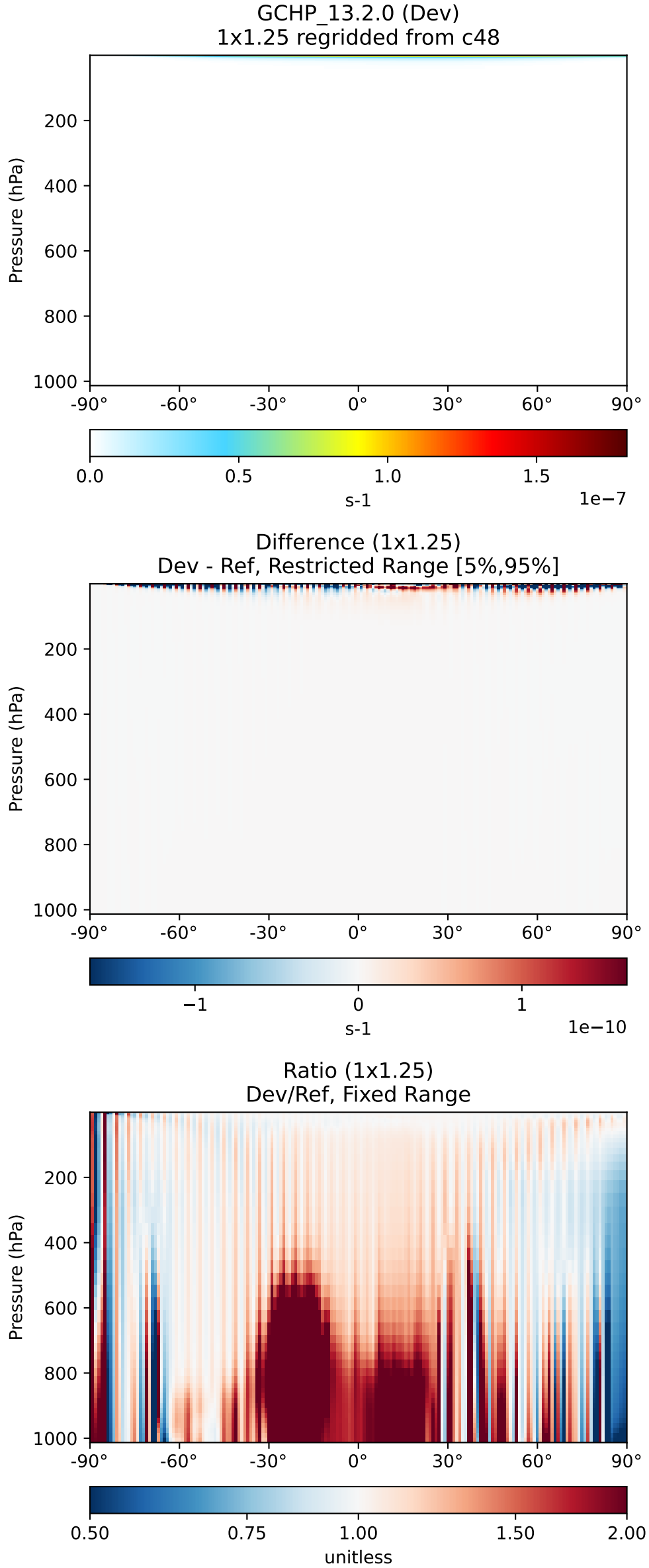
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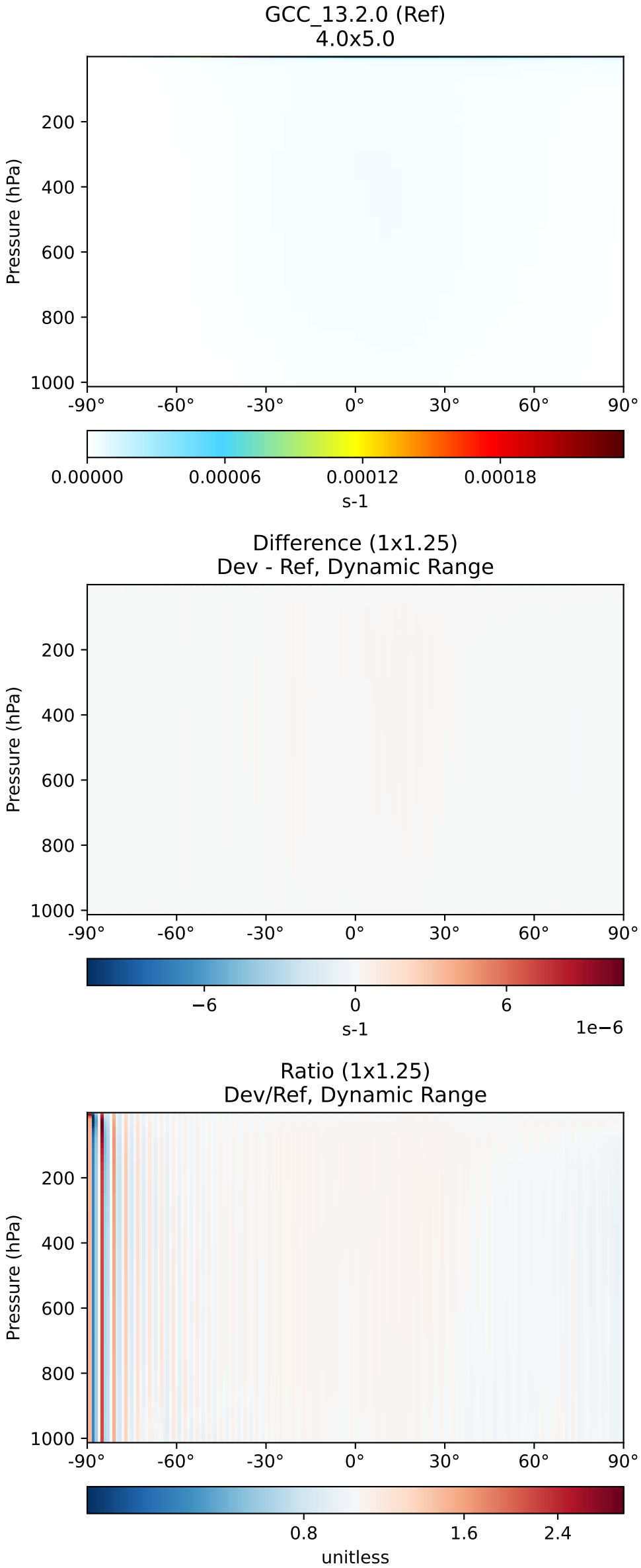


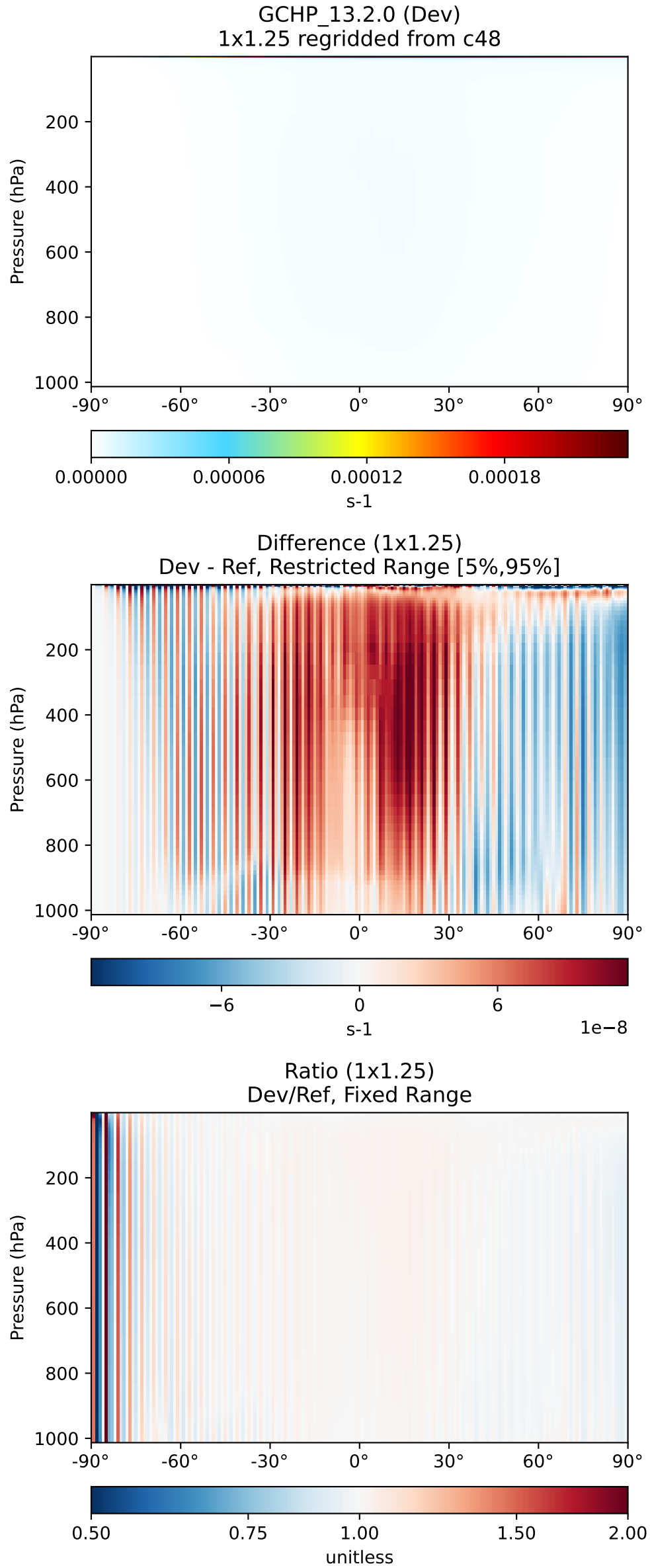
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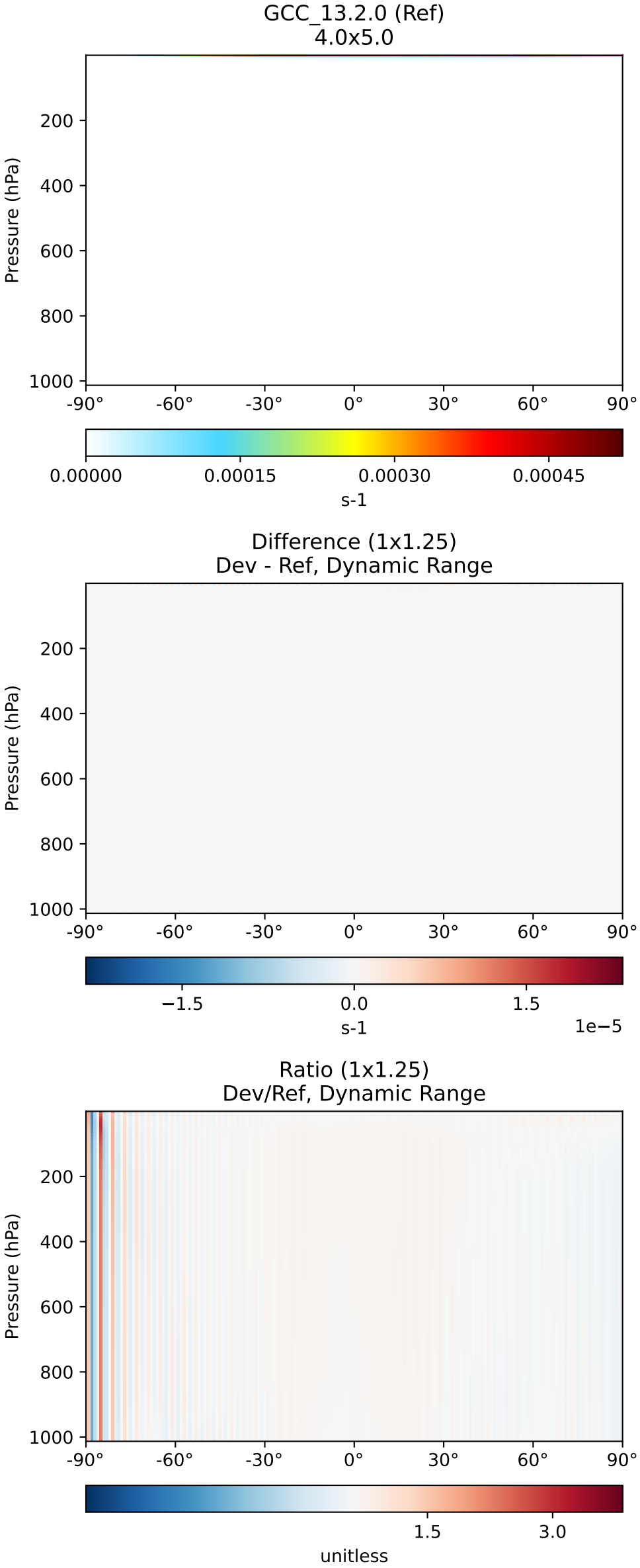


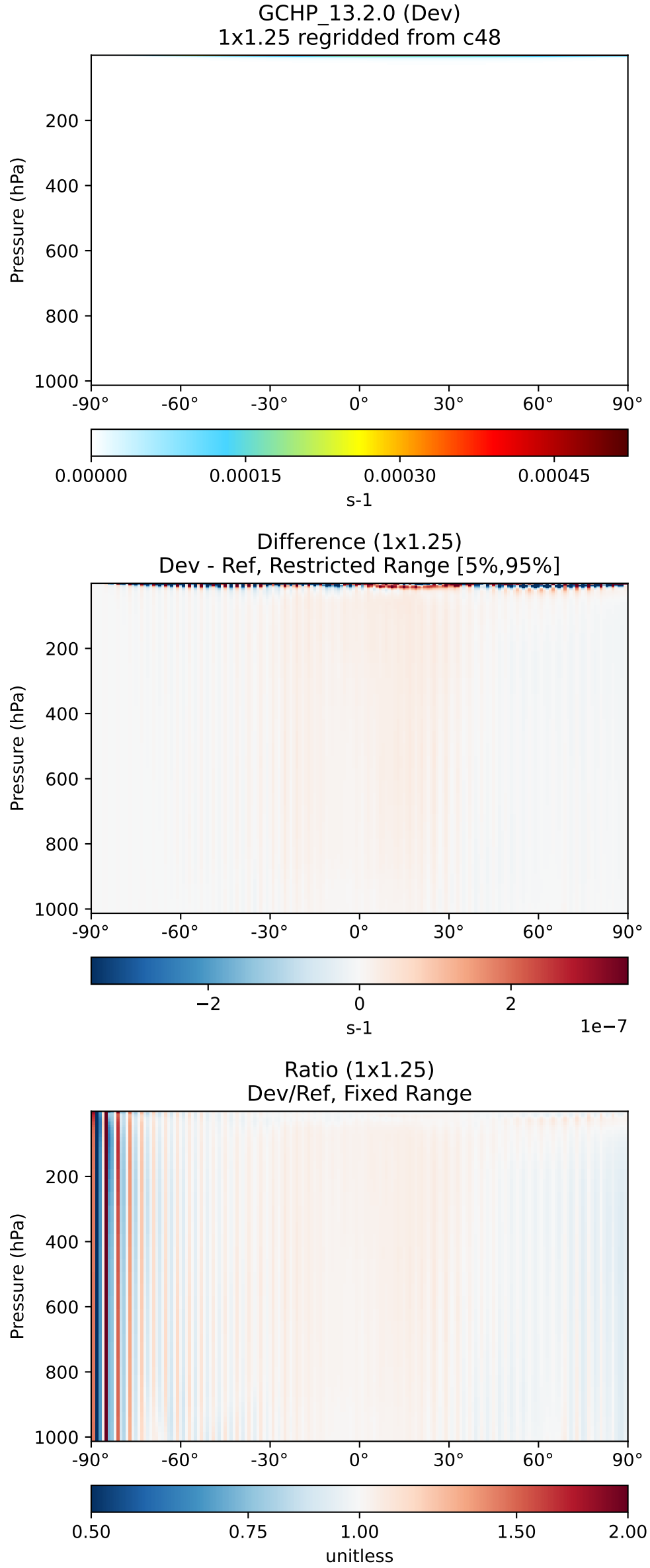
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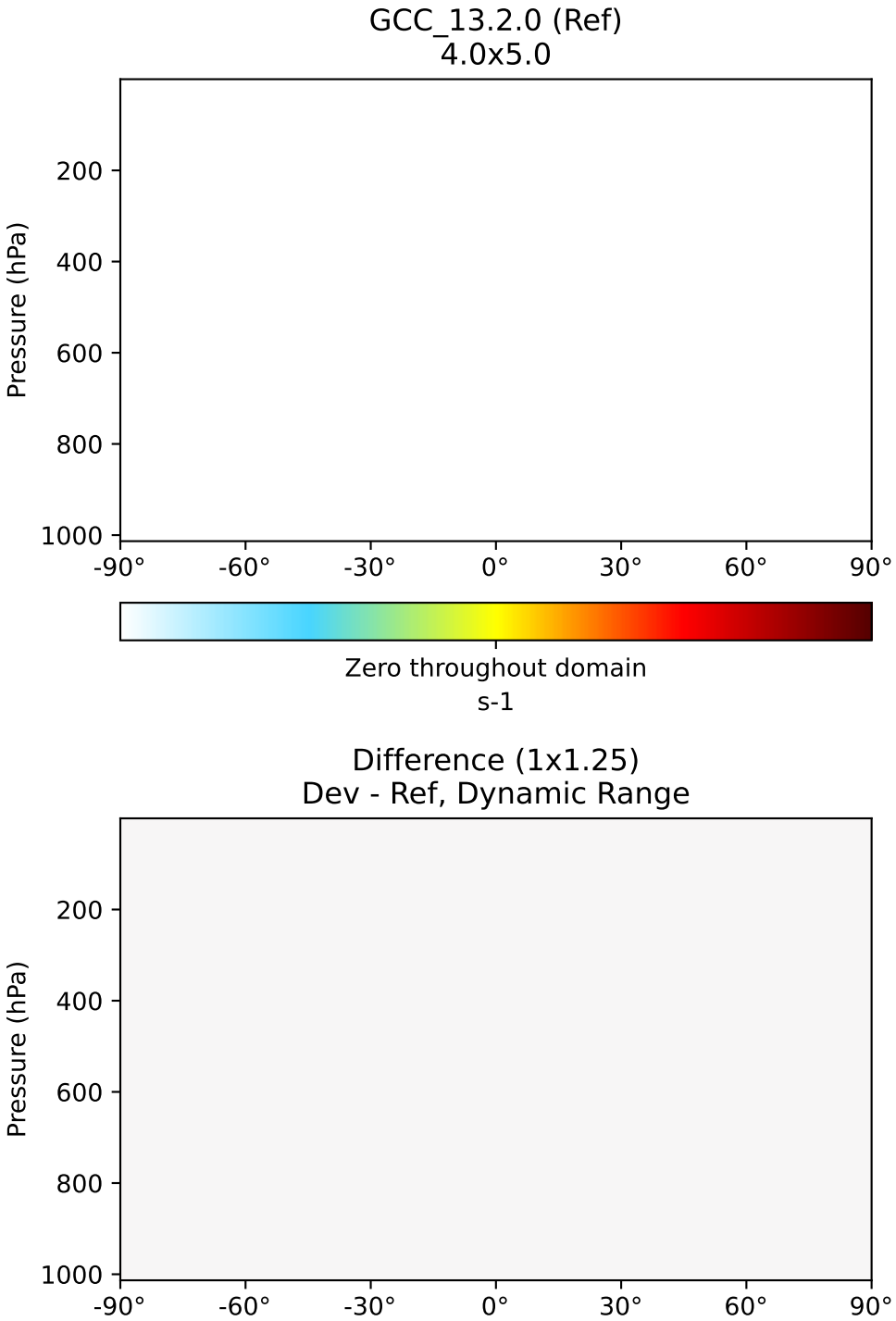


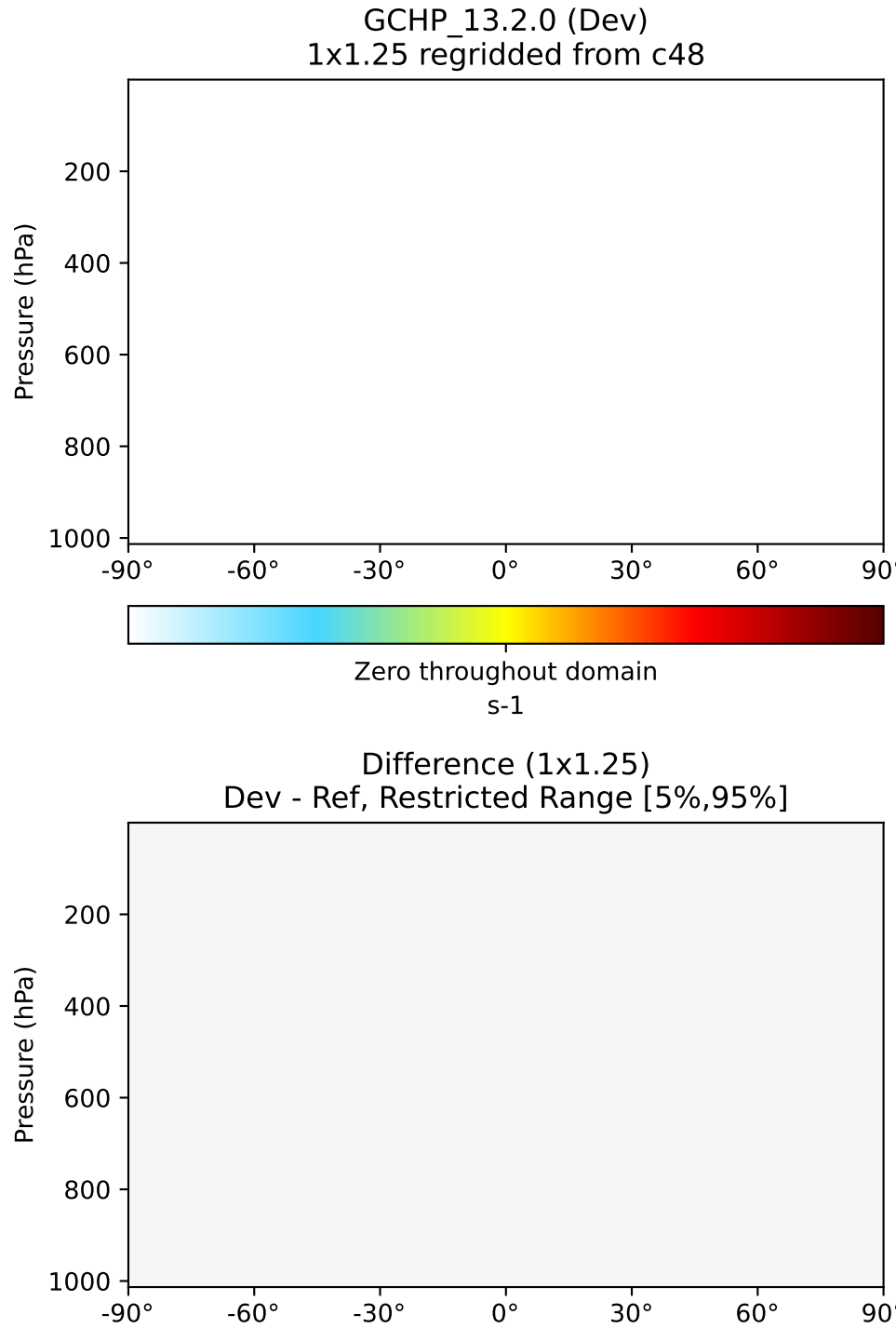
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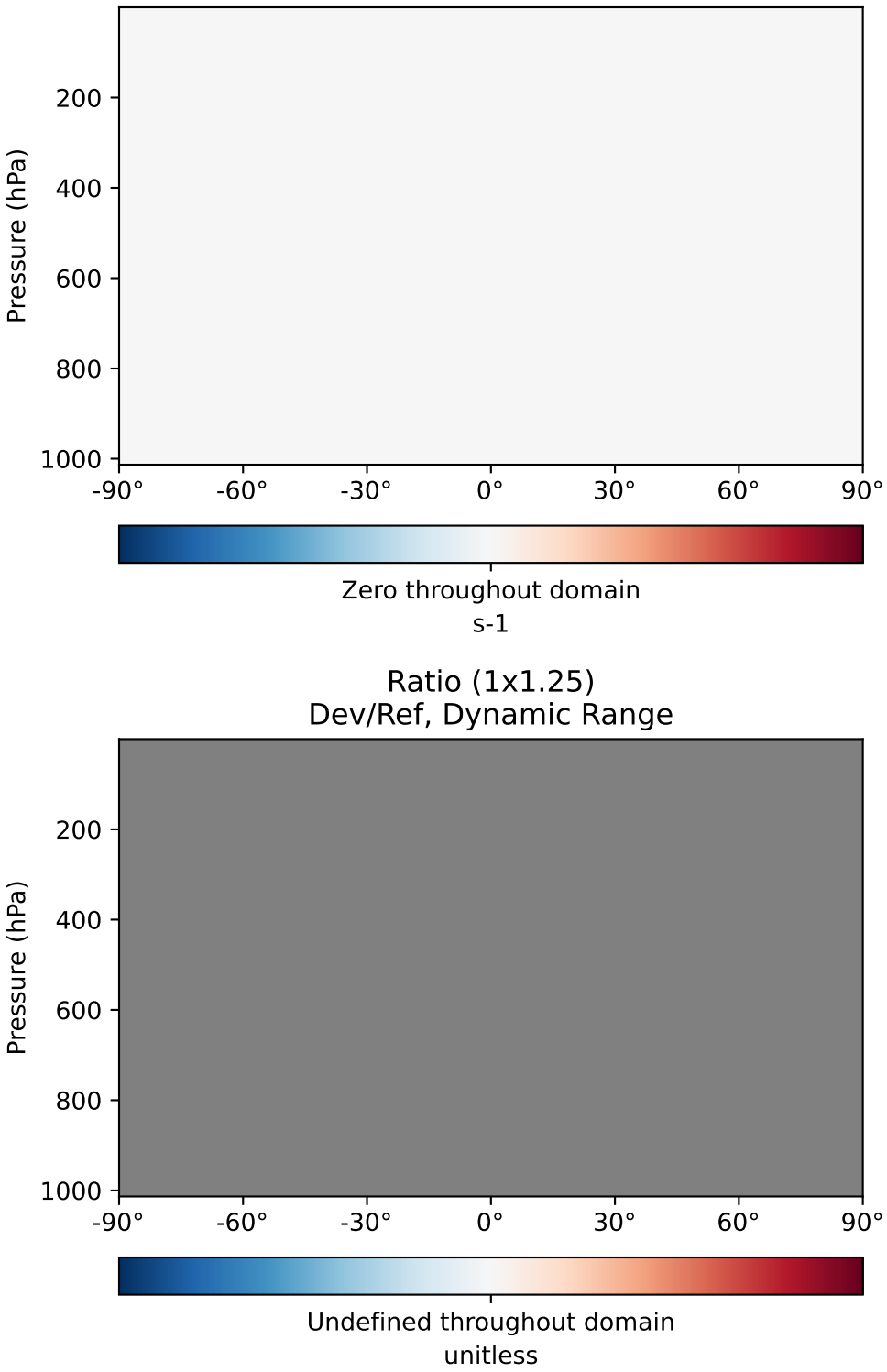


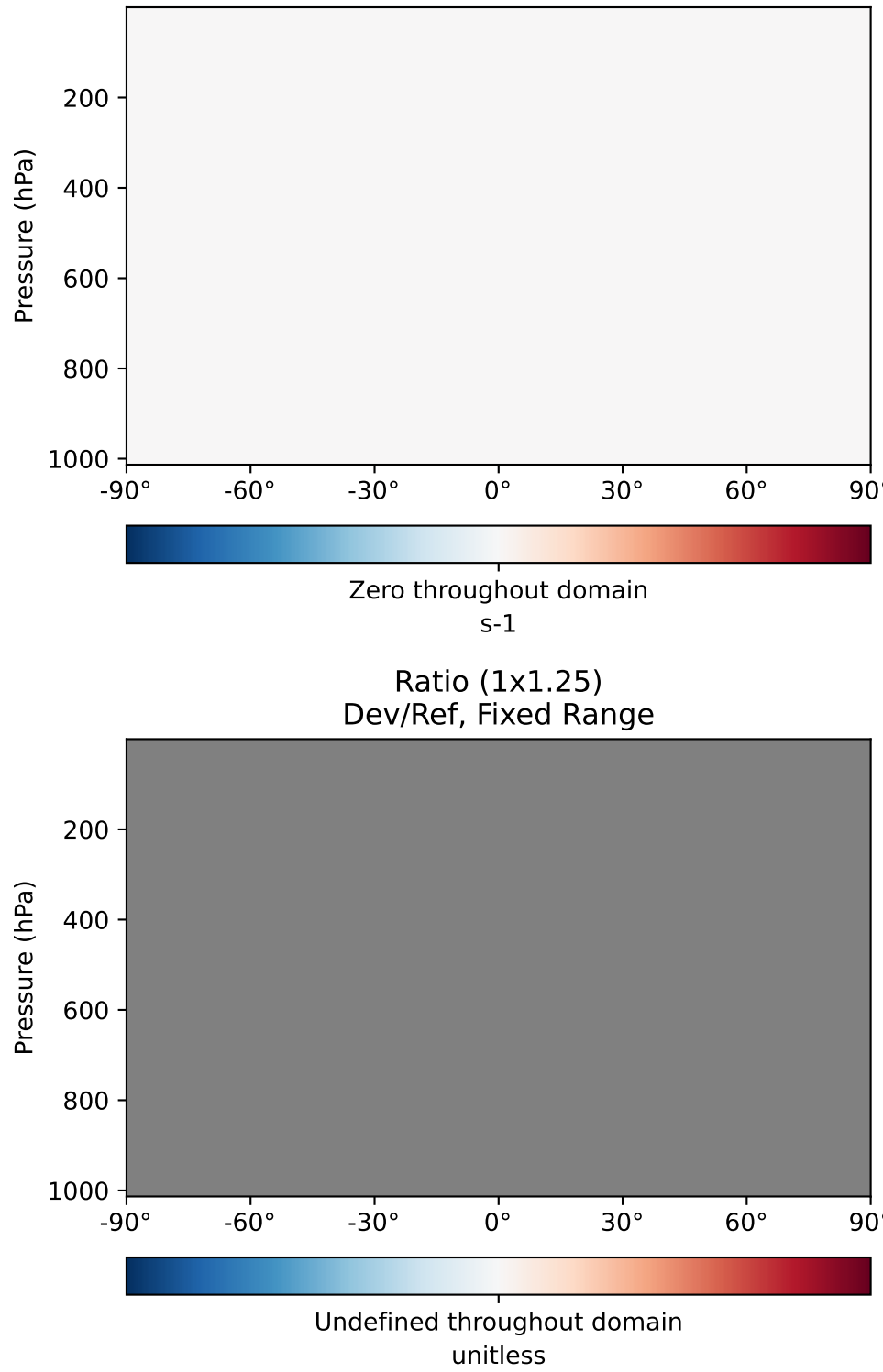


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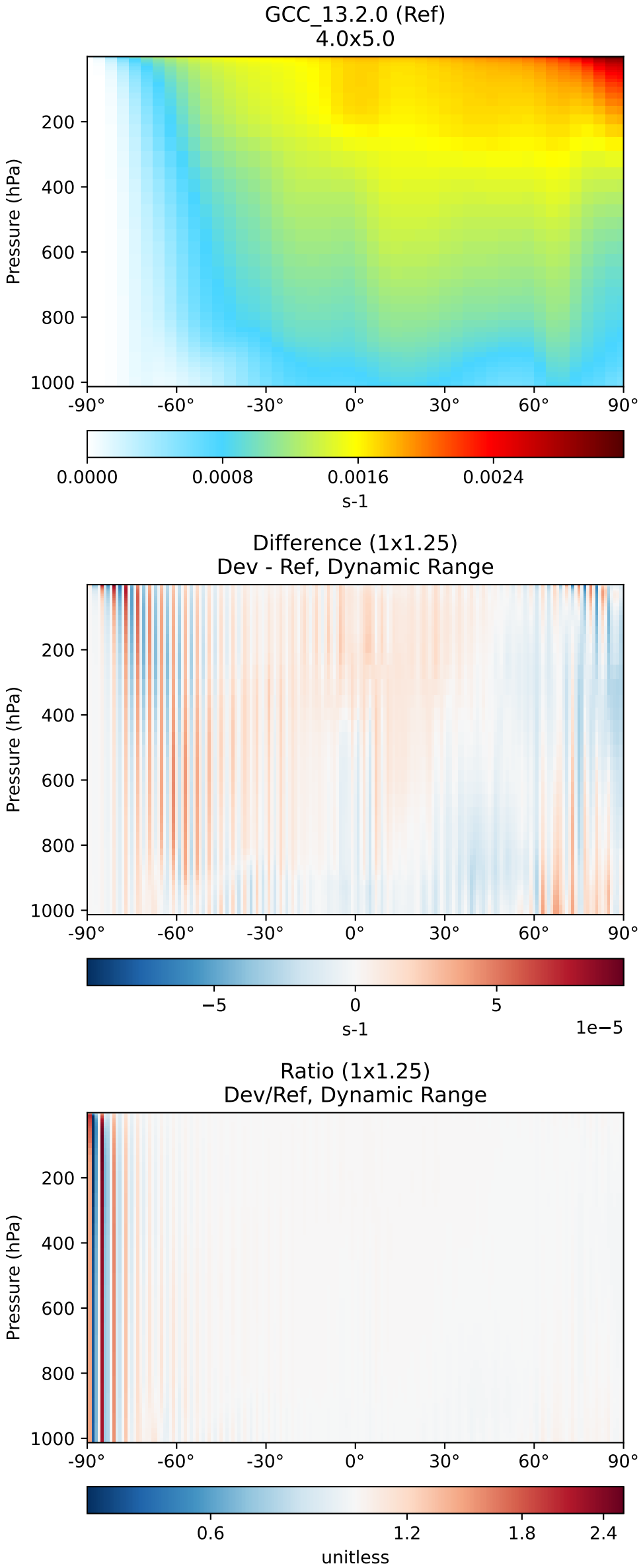


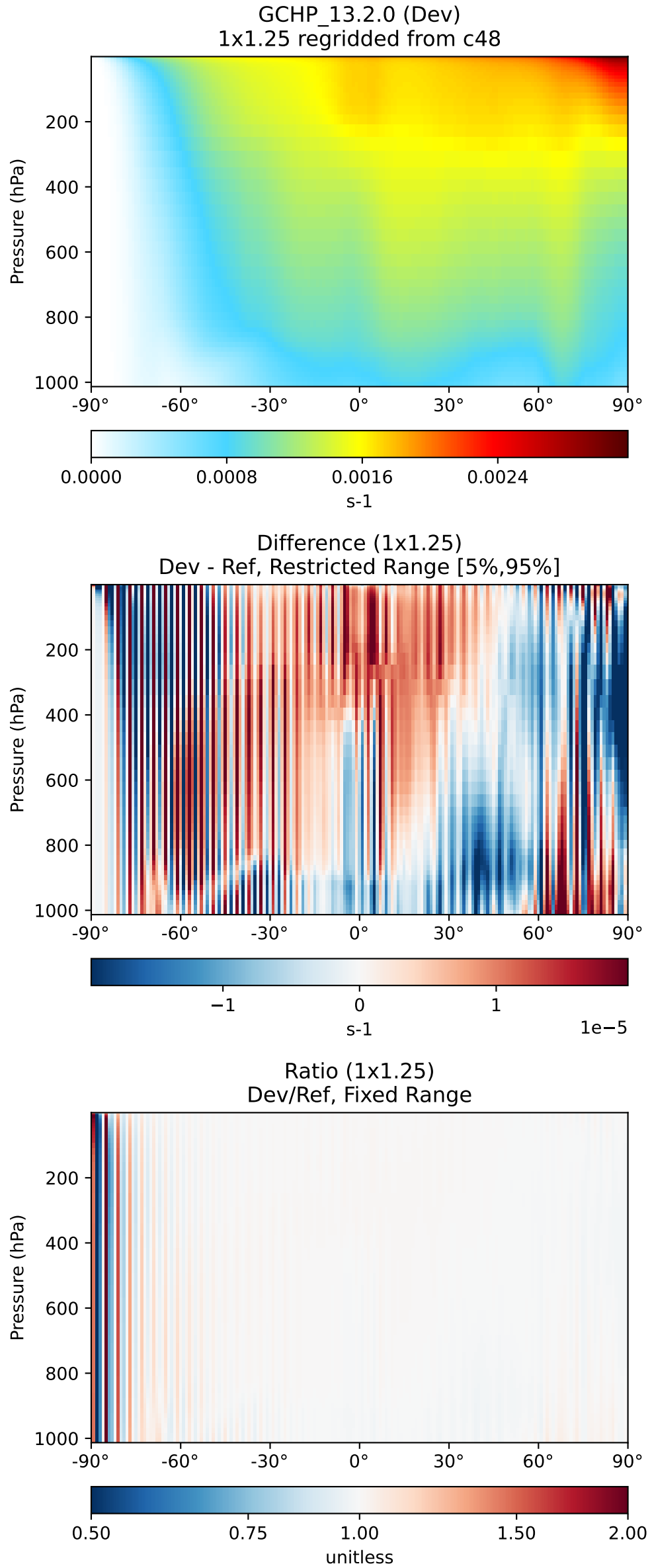




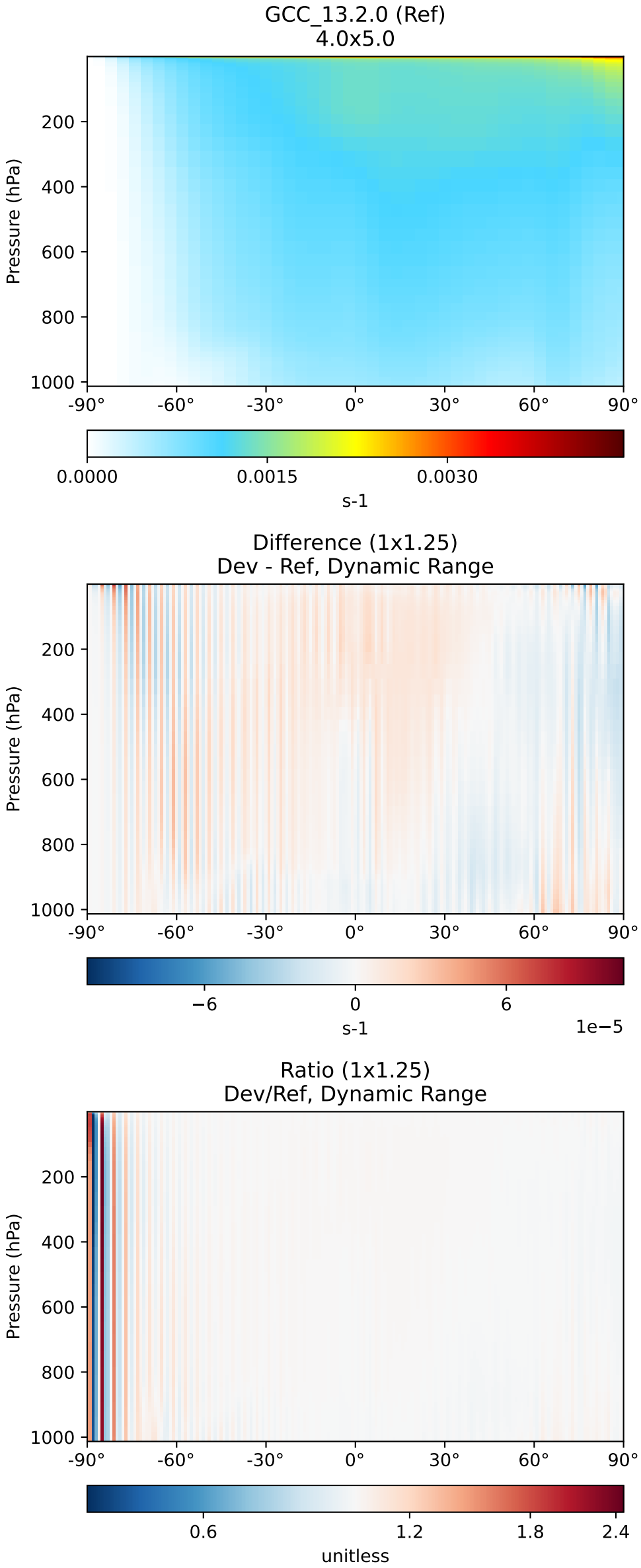


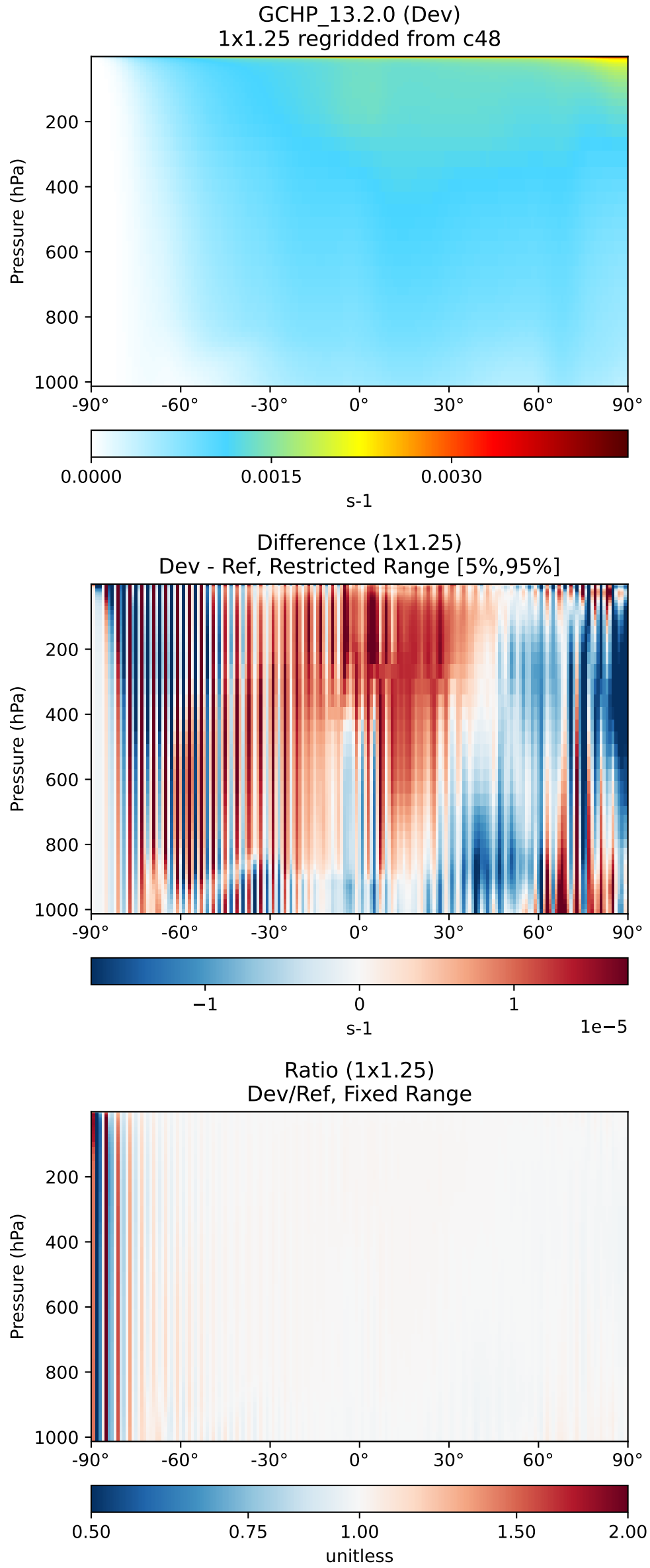
Jval_Cl2, Zonal Mean (Apr2019)



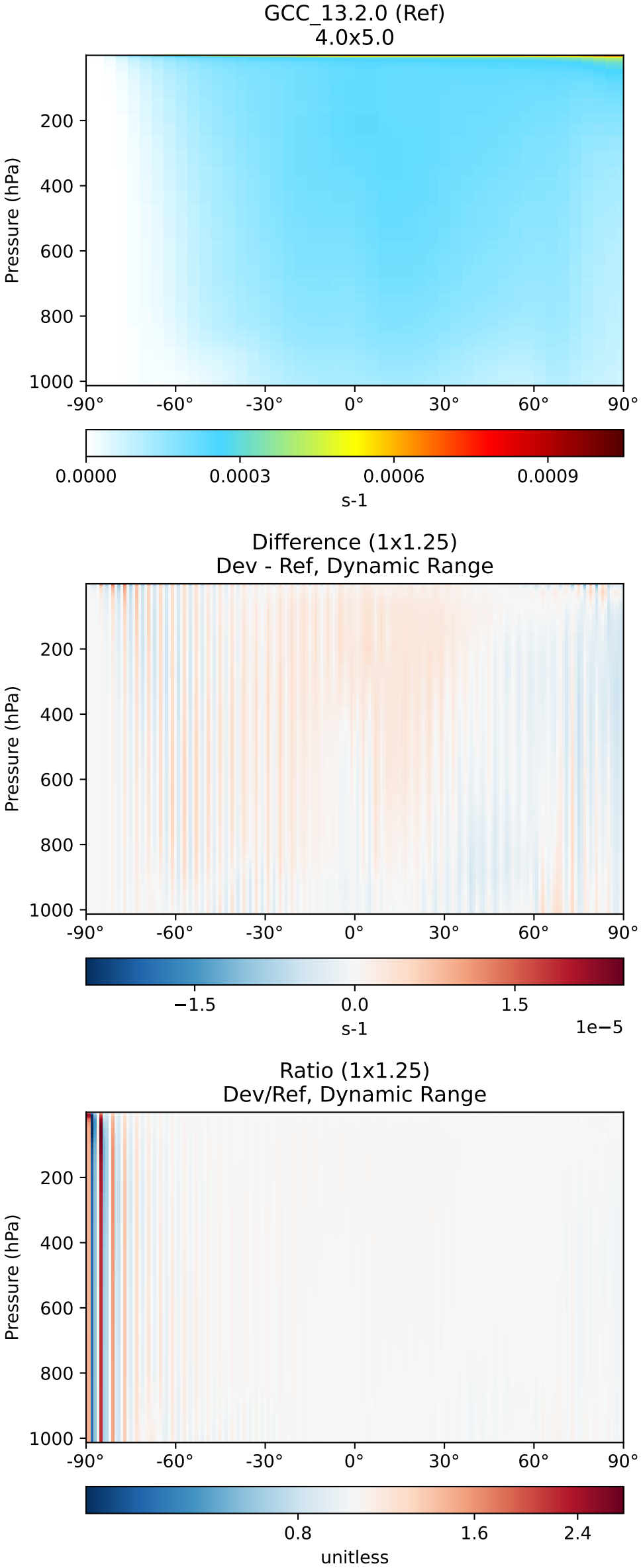


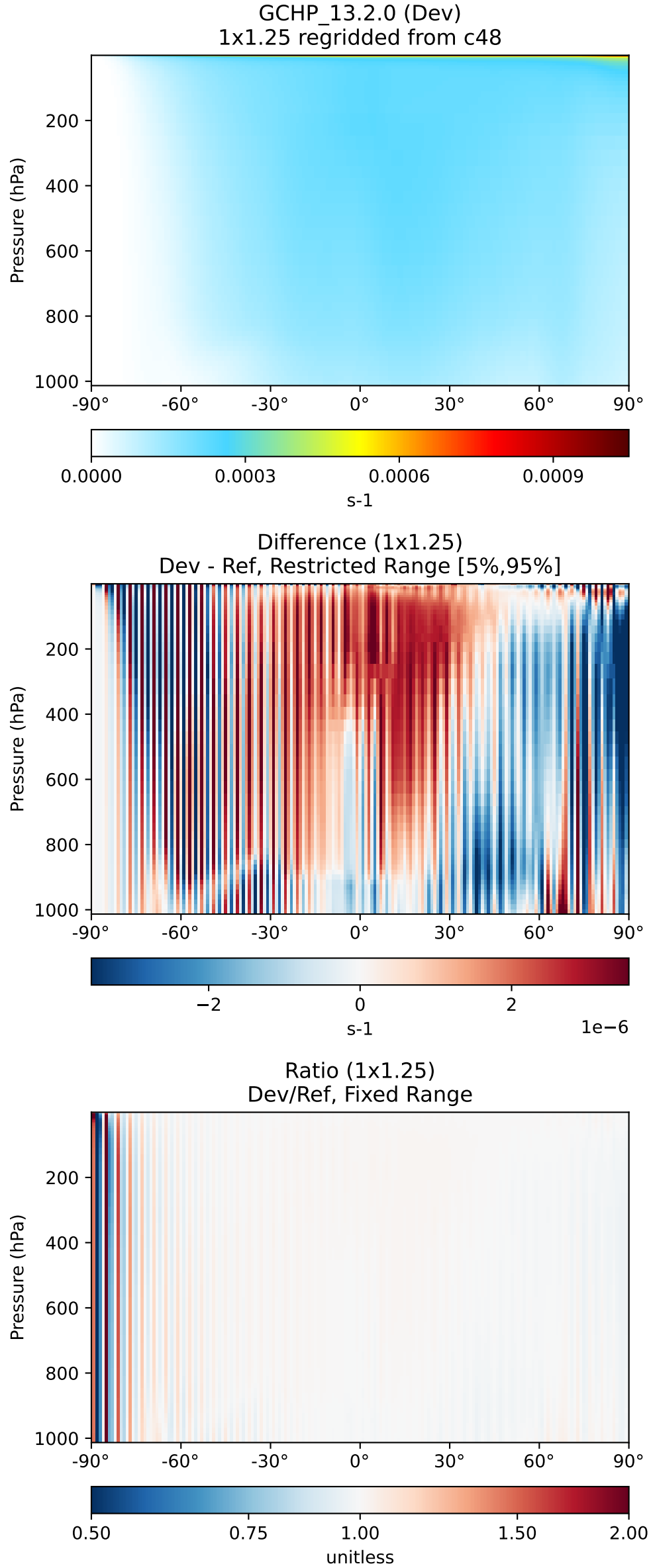
Jval_Cl2O2, Zonal Mean (Apr2019)



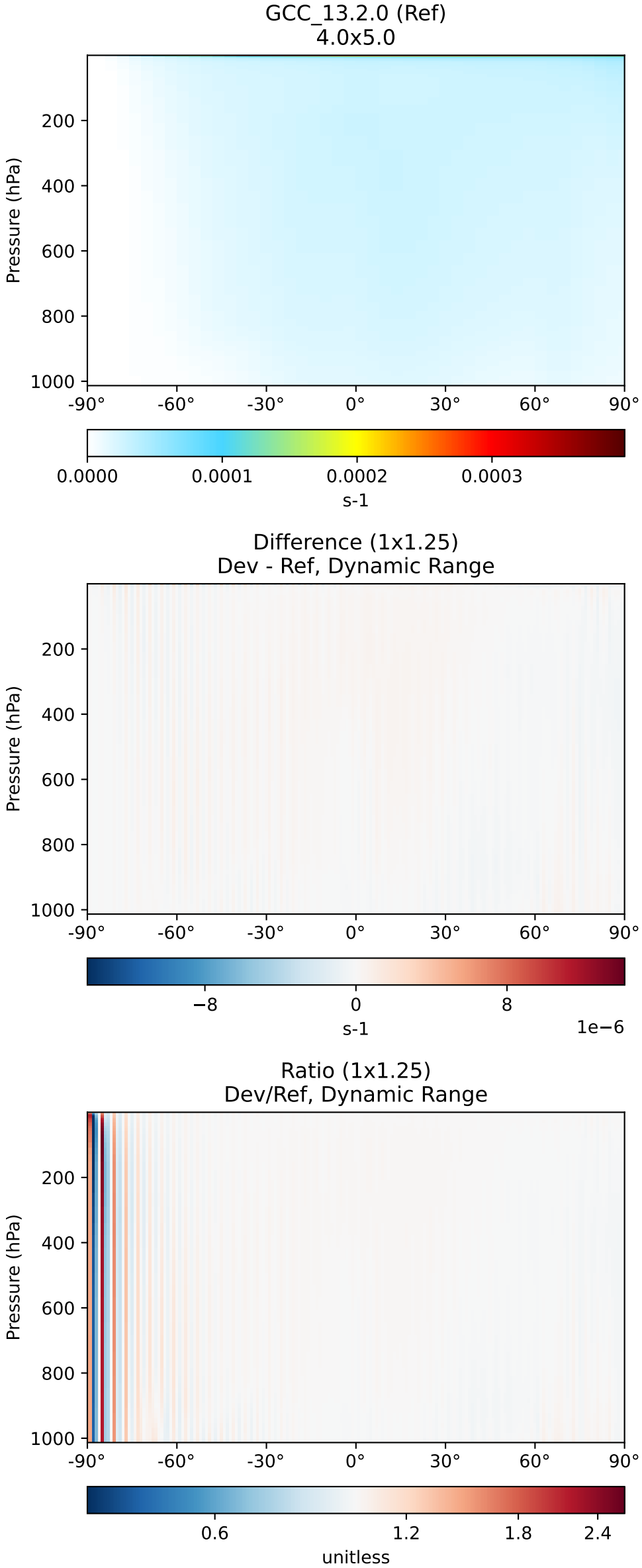


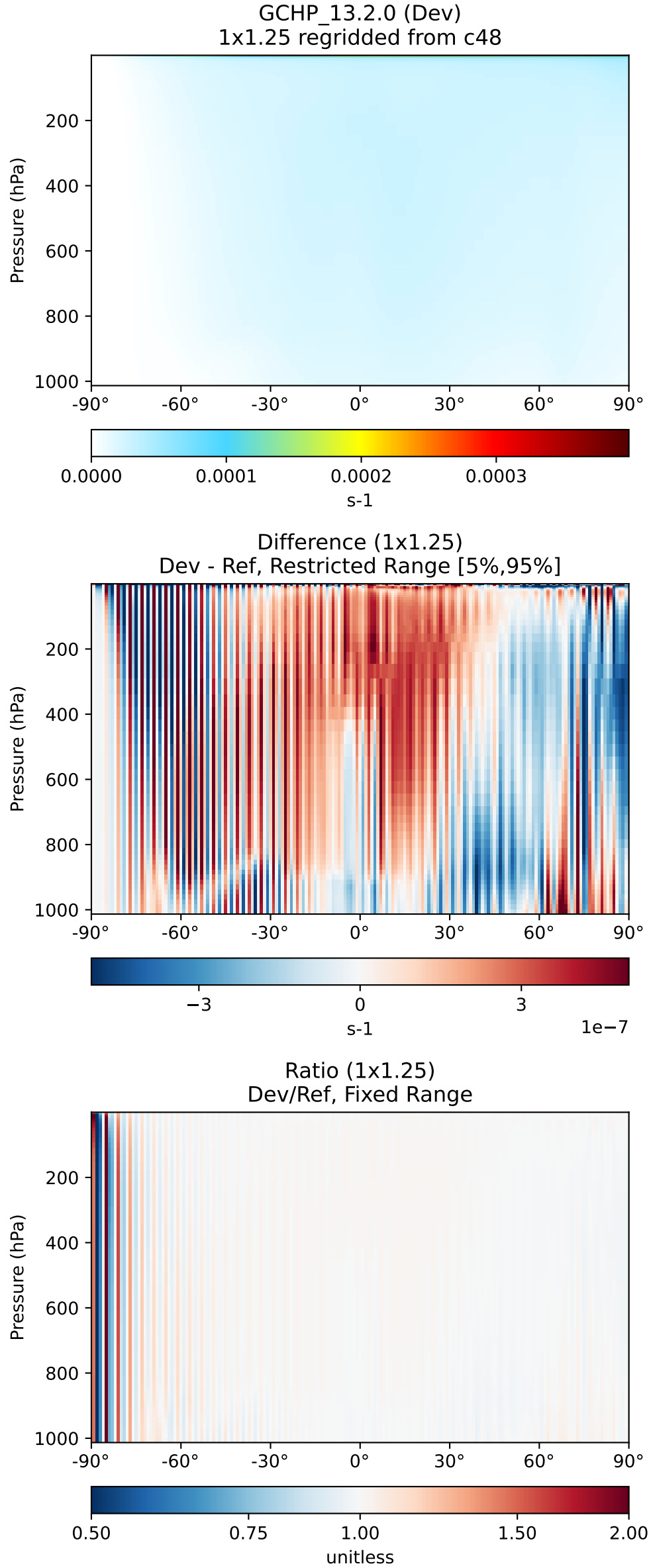
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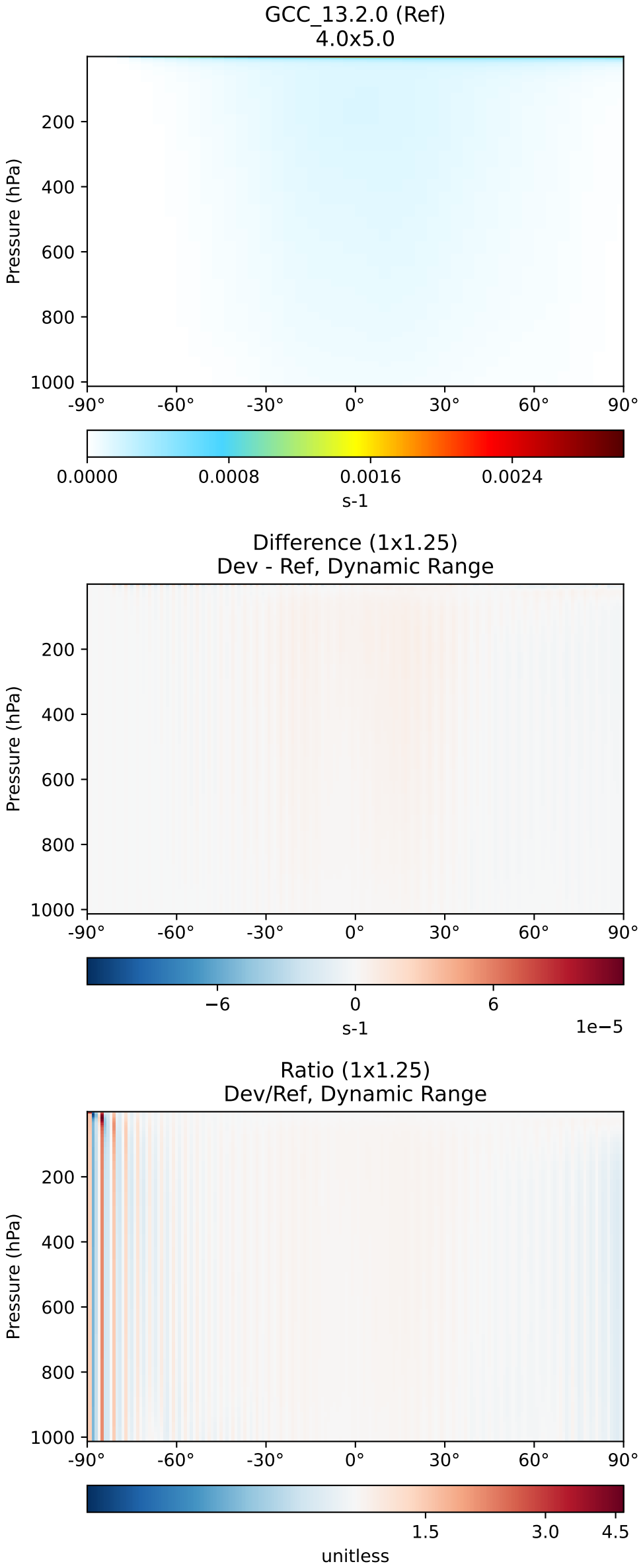


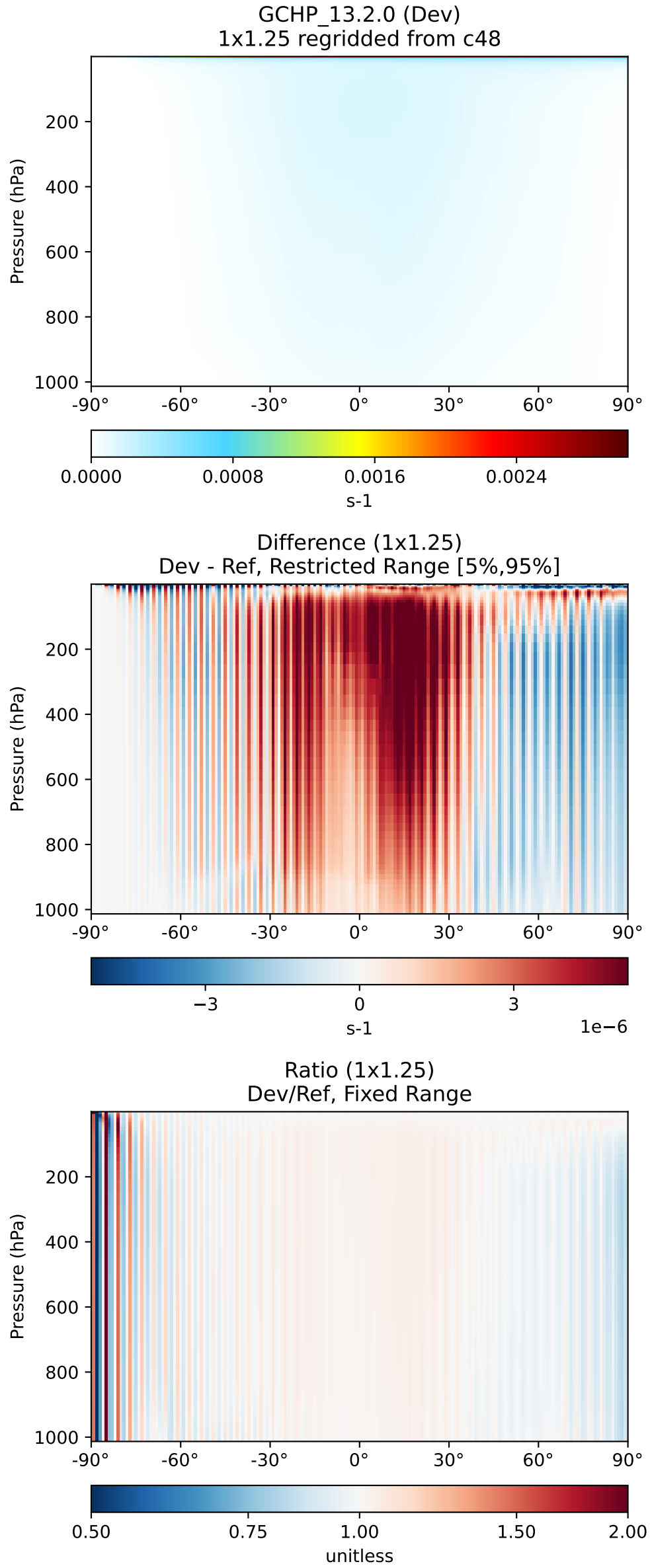
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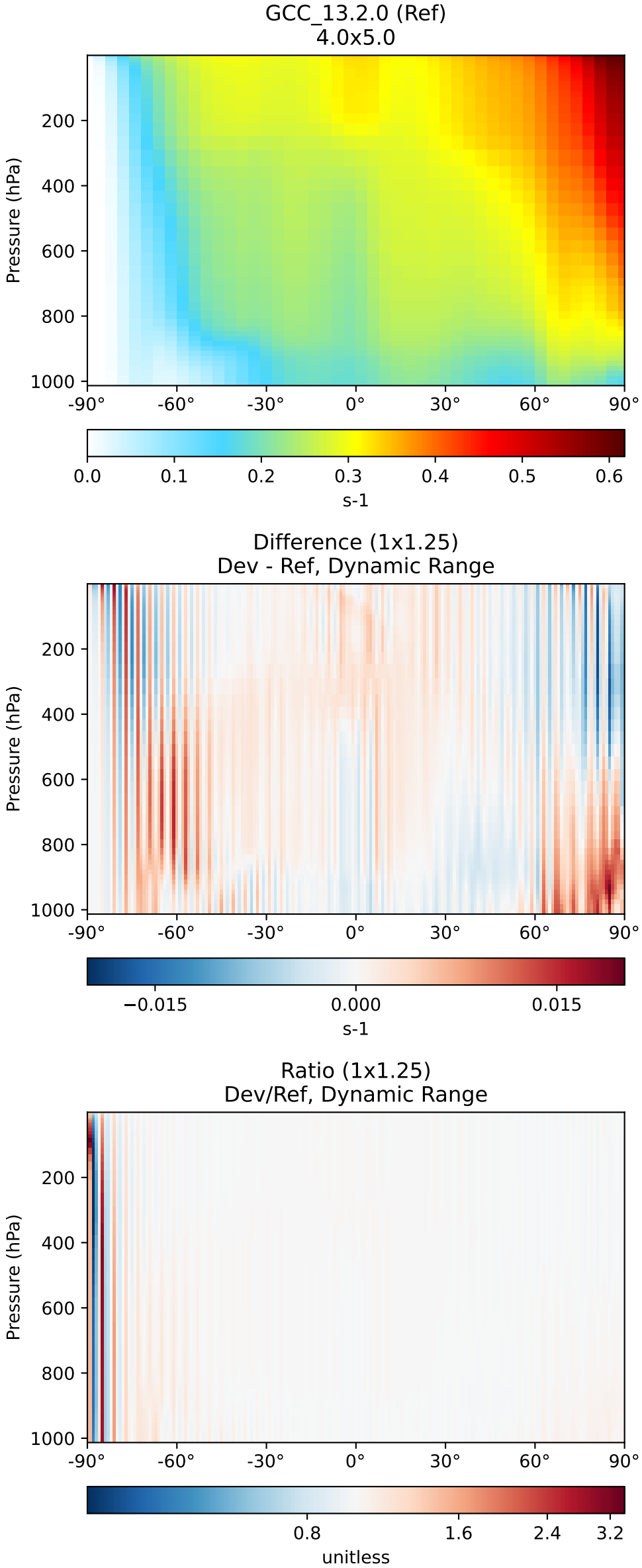


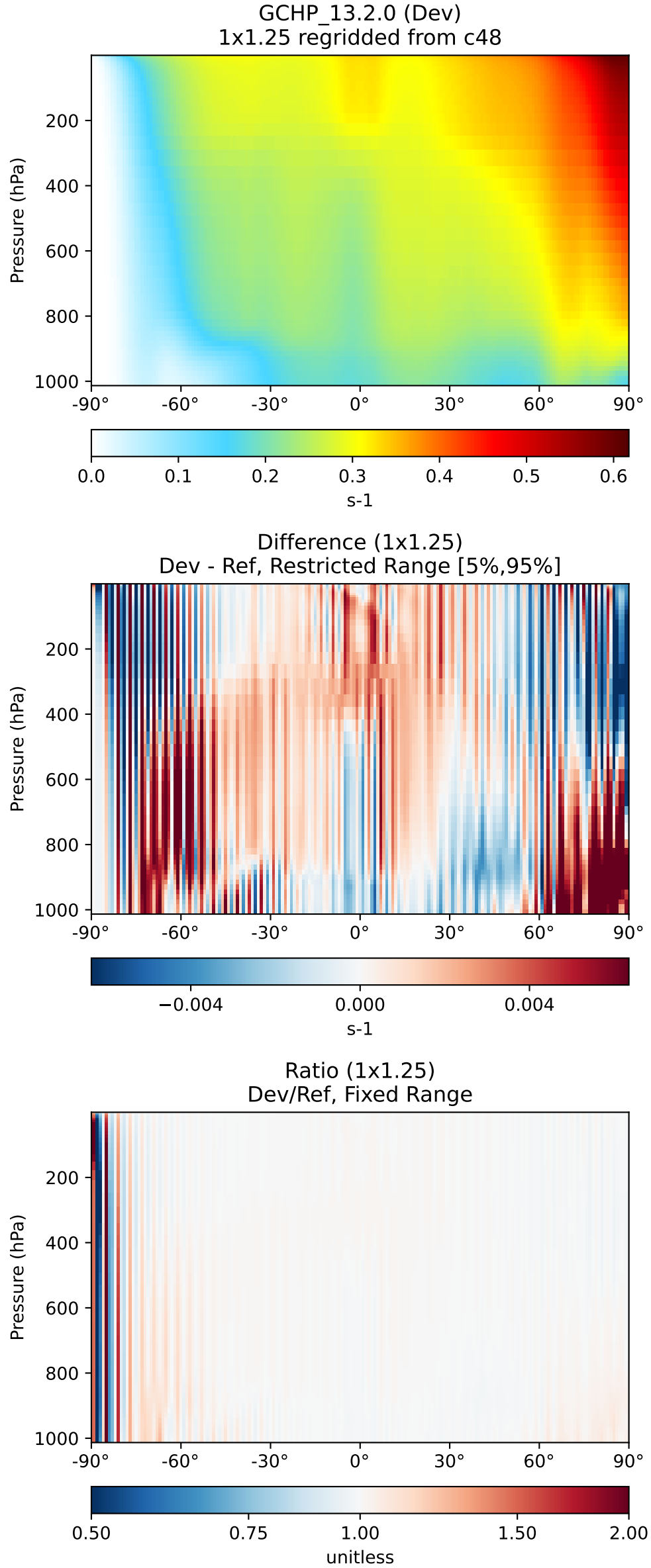
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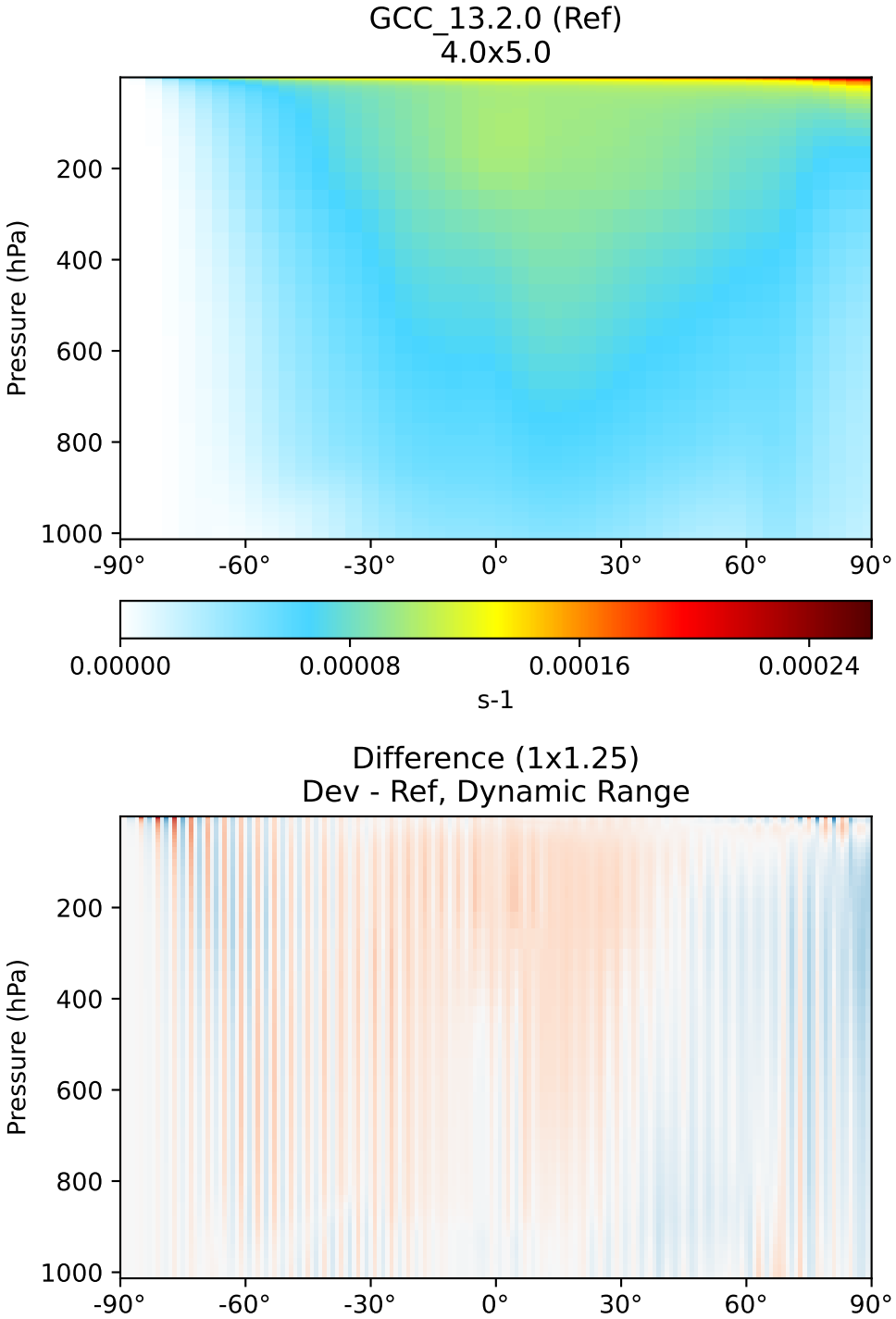


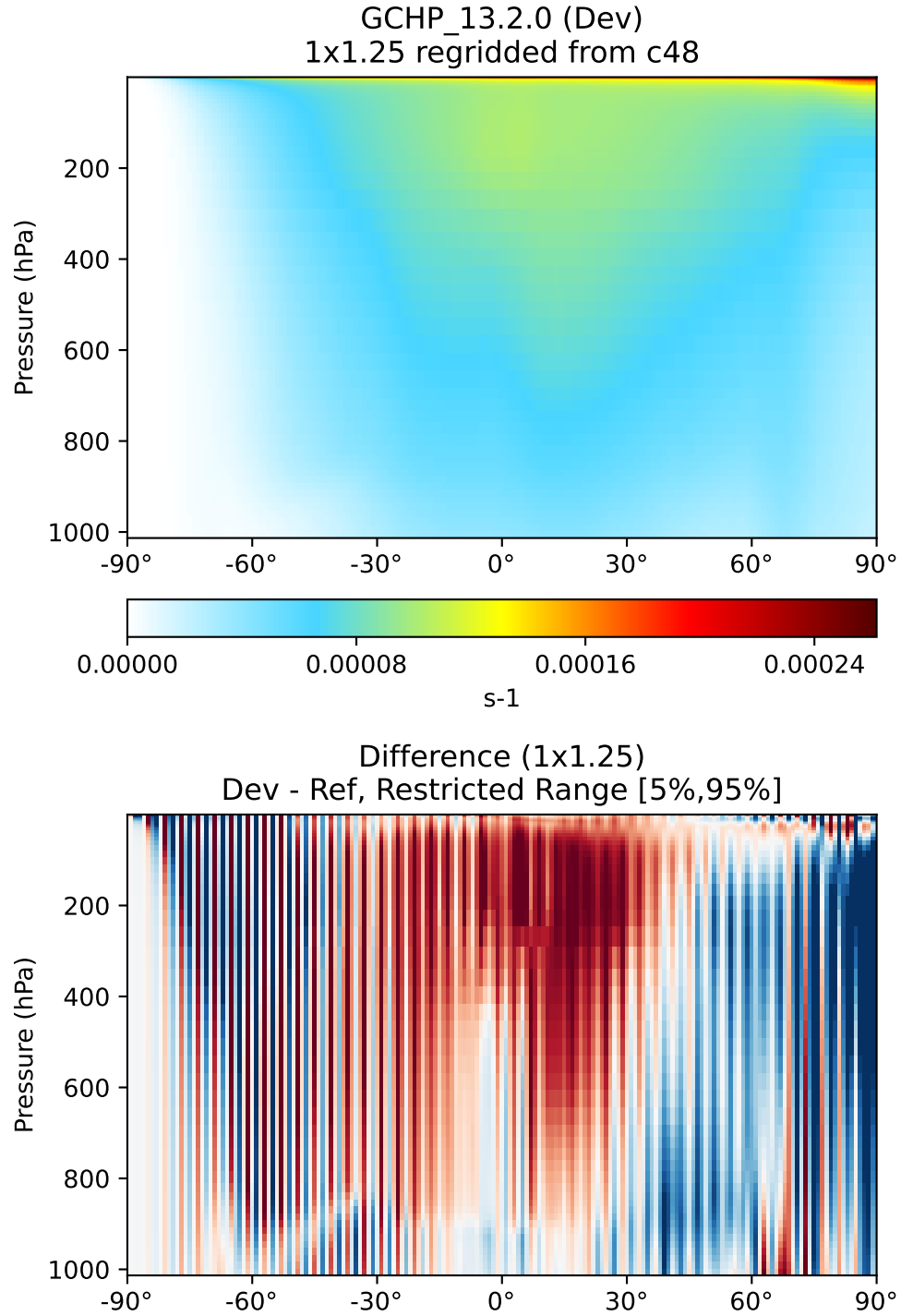
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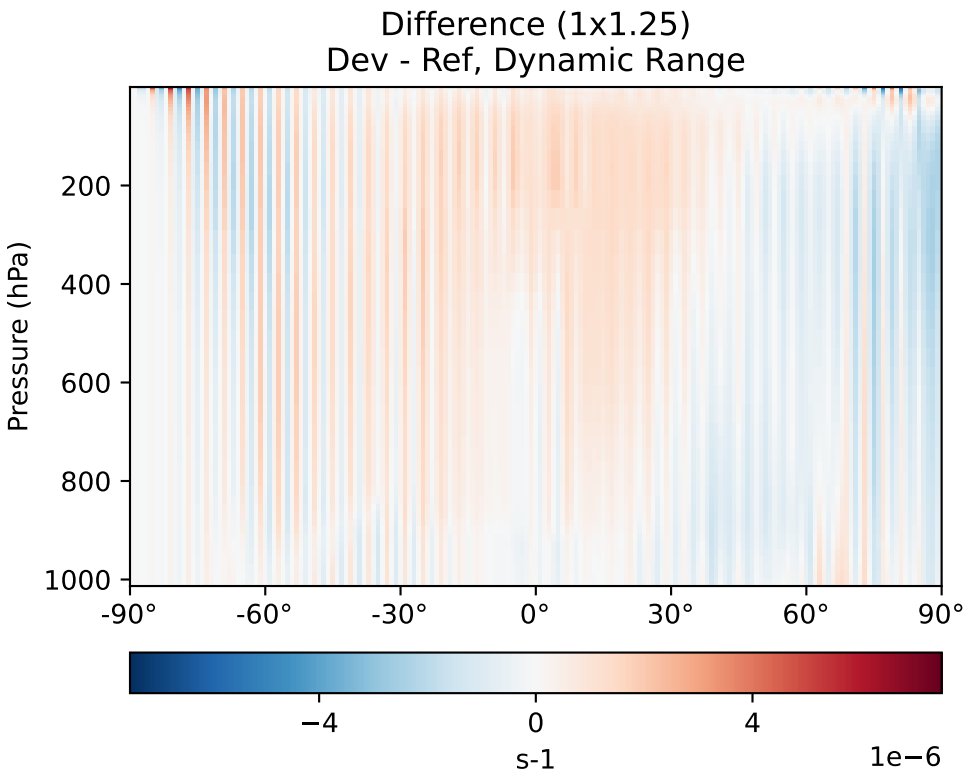


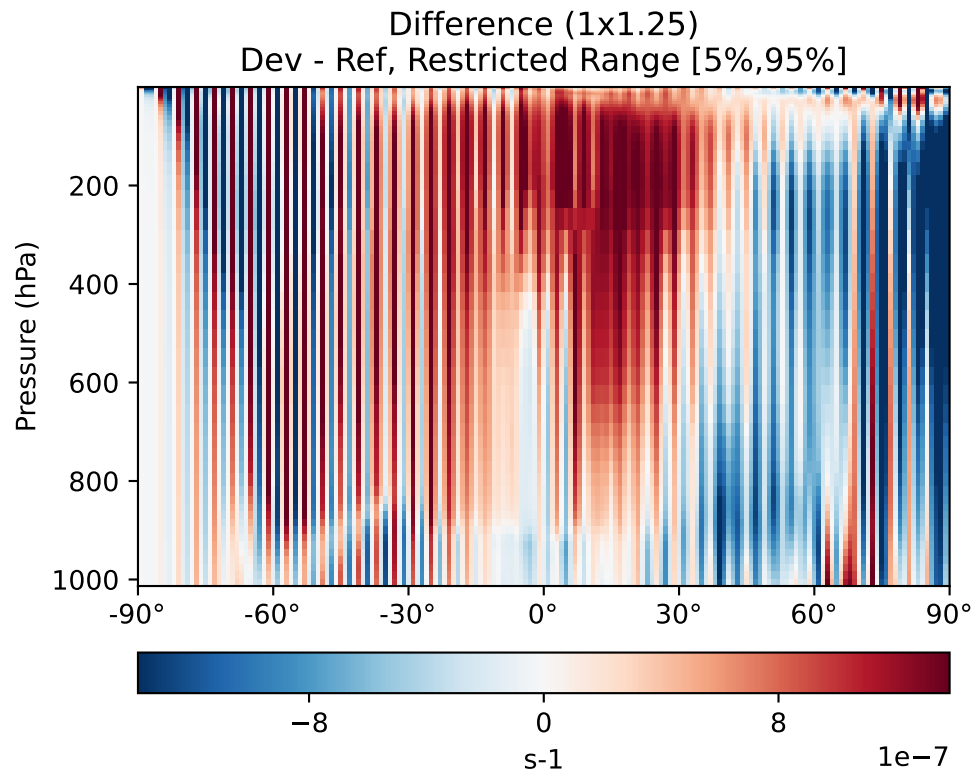


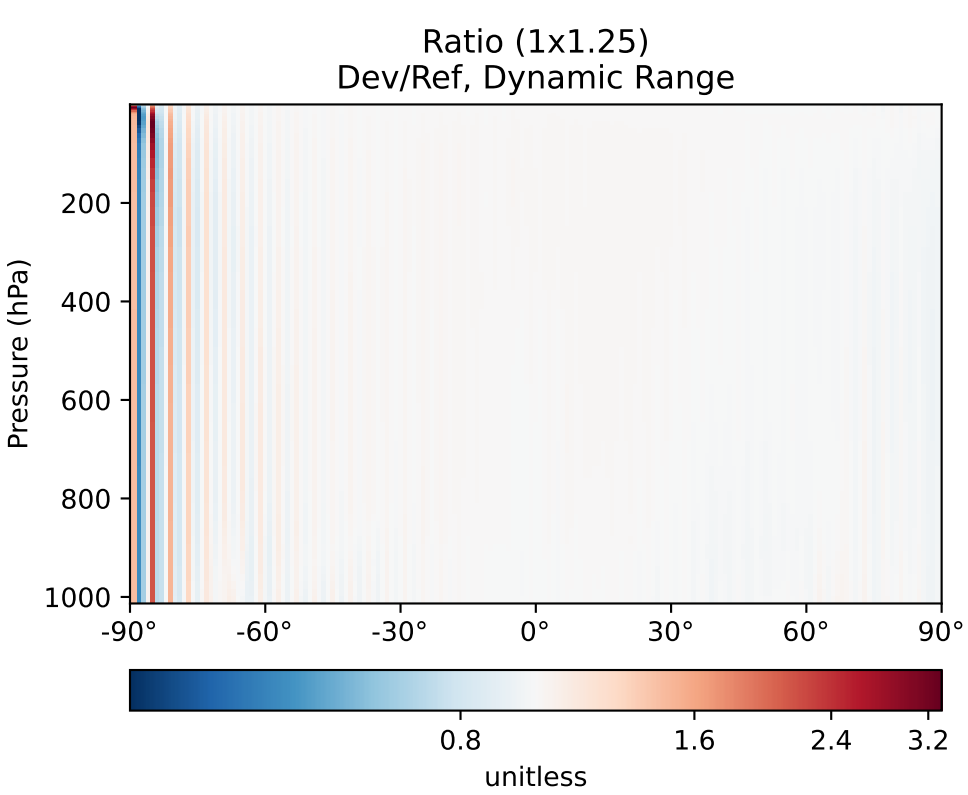
Jval_ETHLN, Zonal Mean (Apr2019)

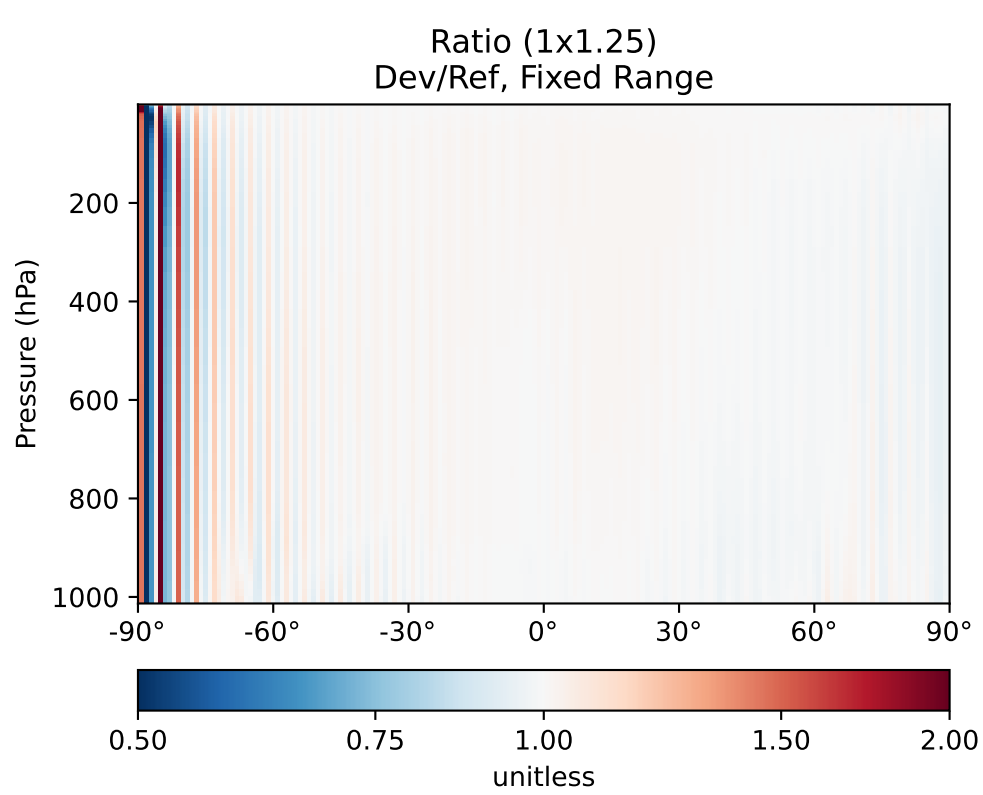




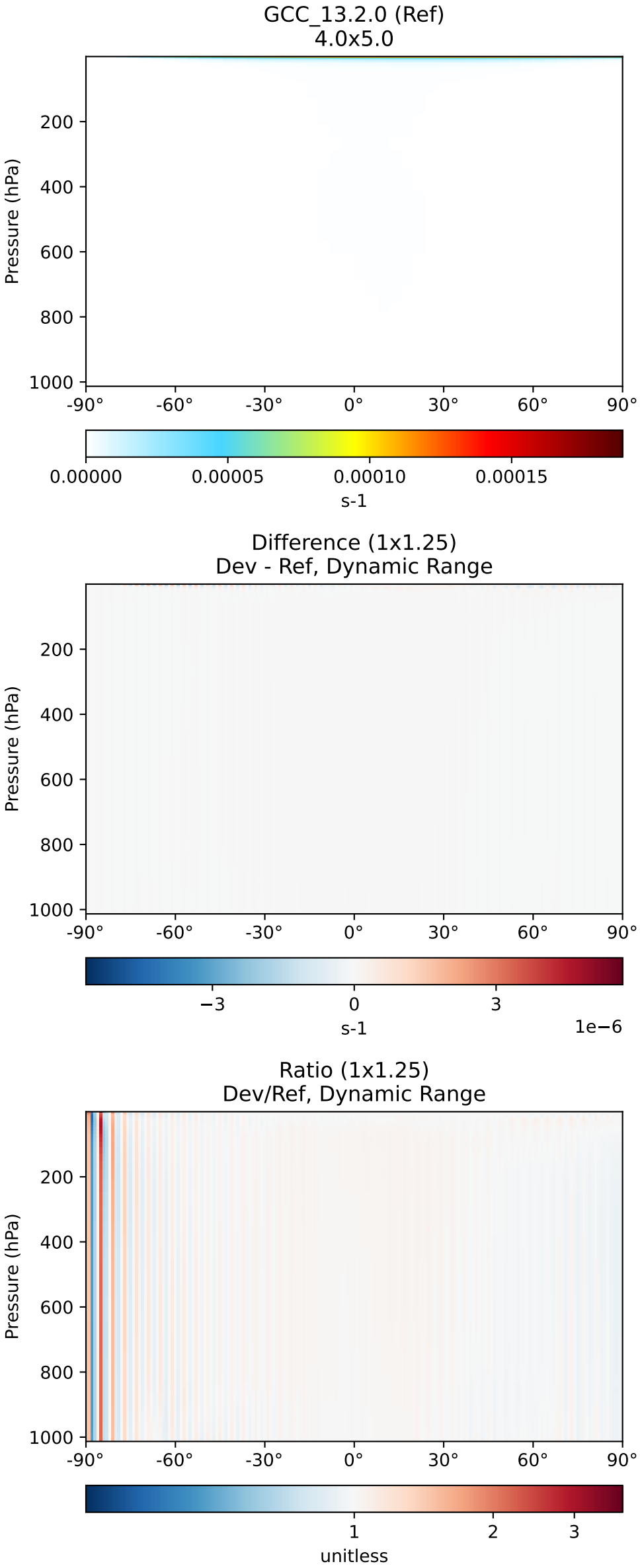


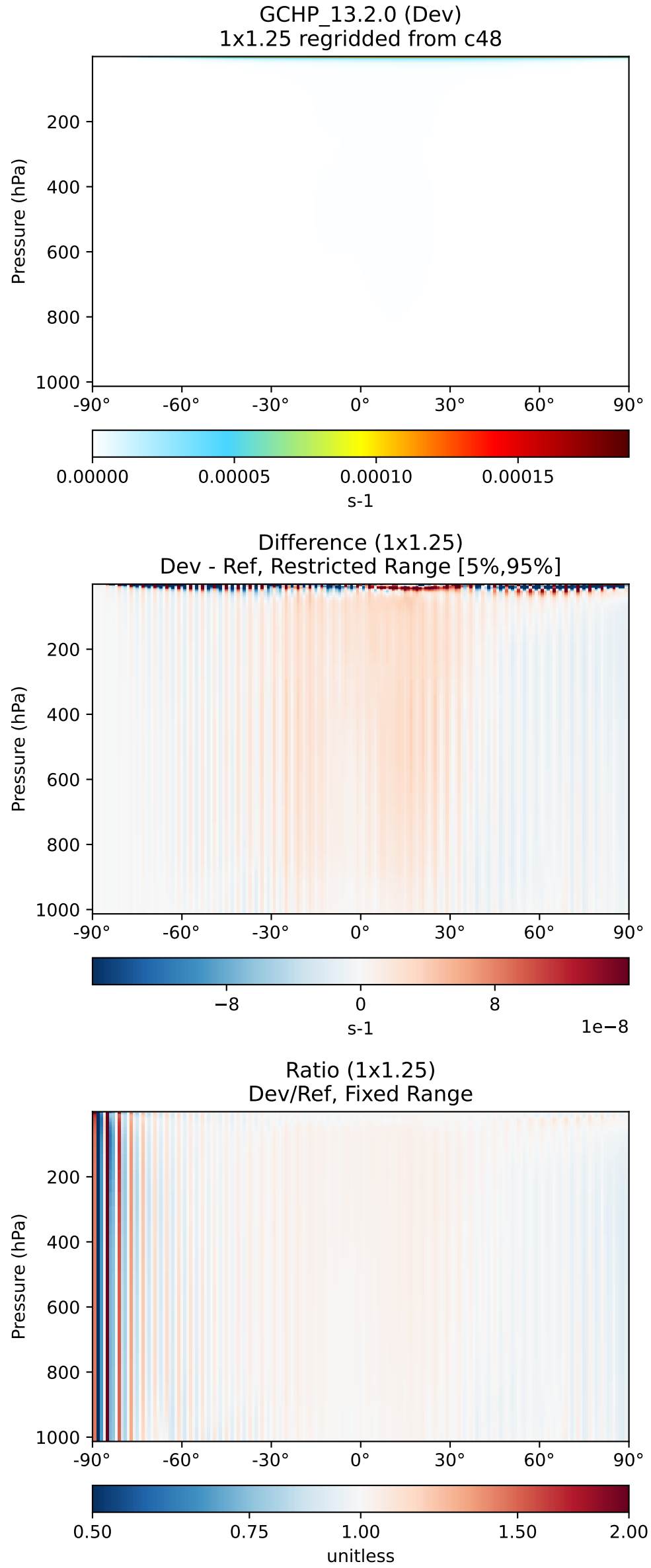




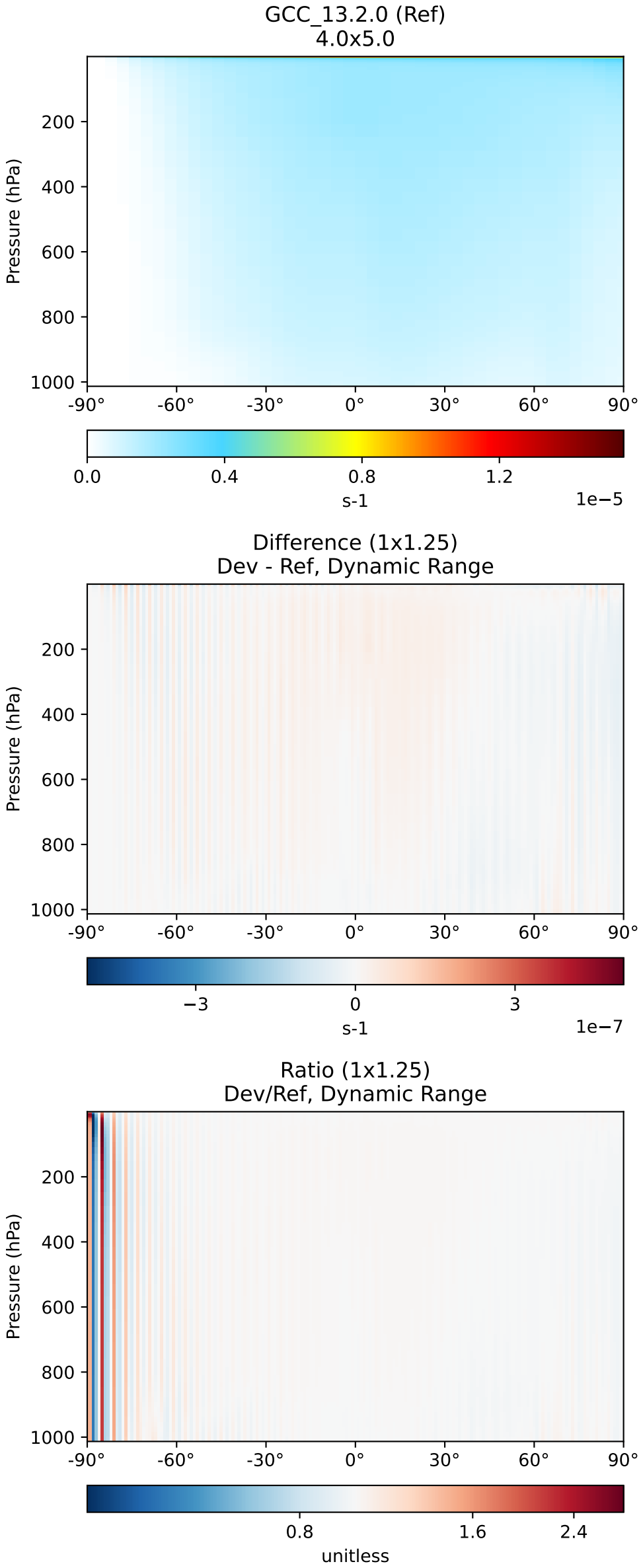


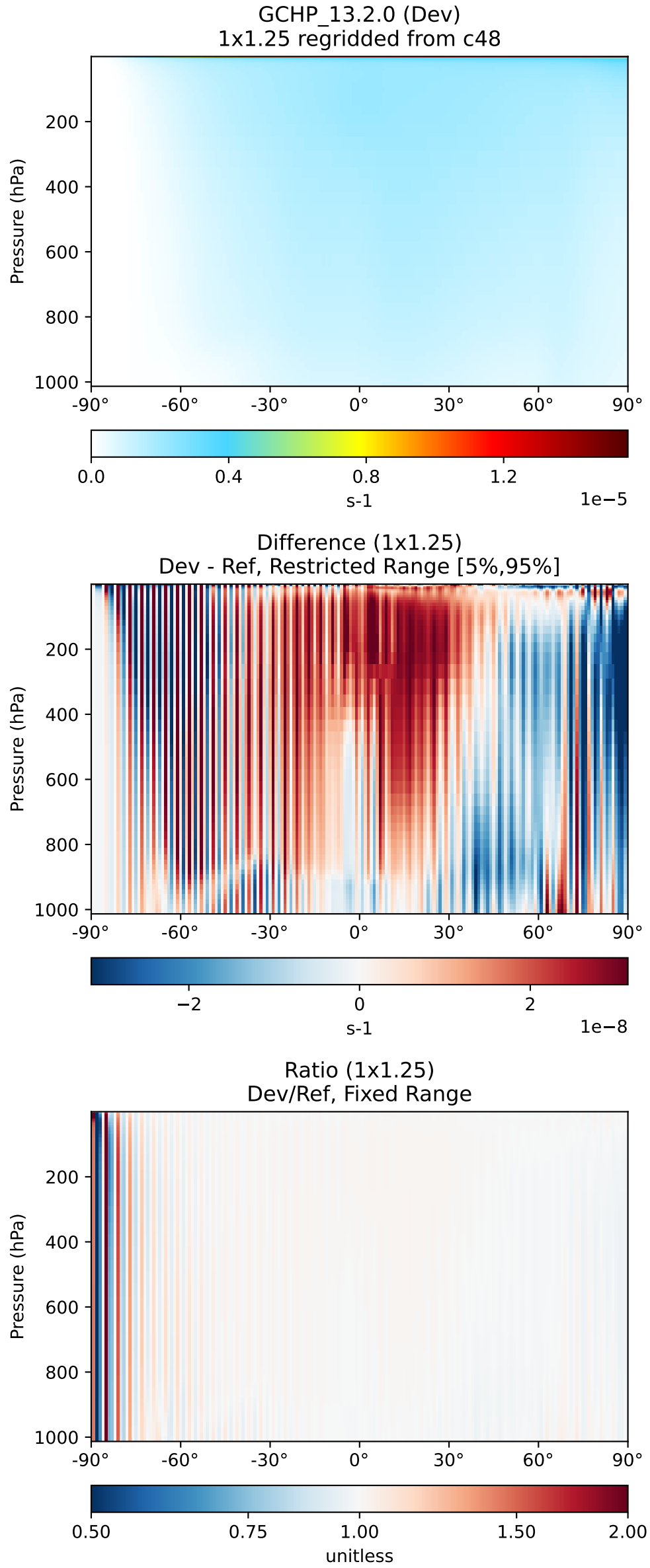
Jval_ETNO3, Zonal Mean (Apr2019)



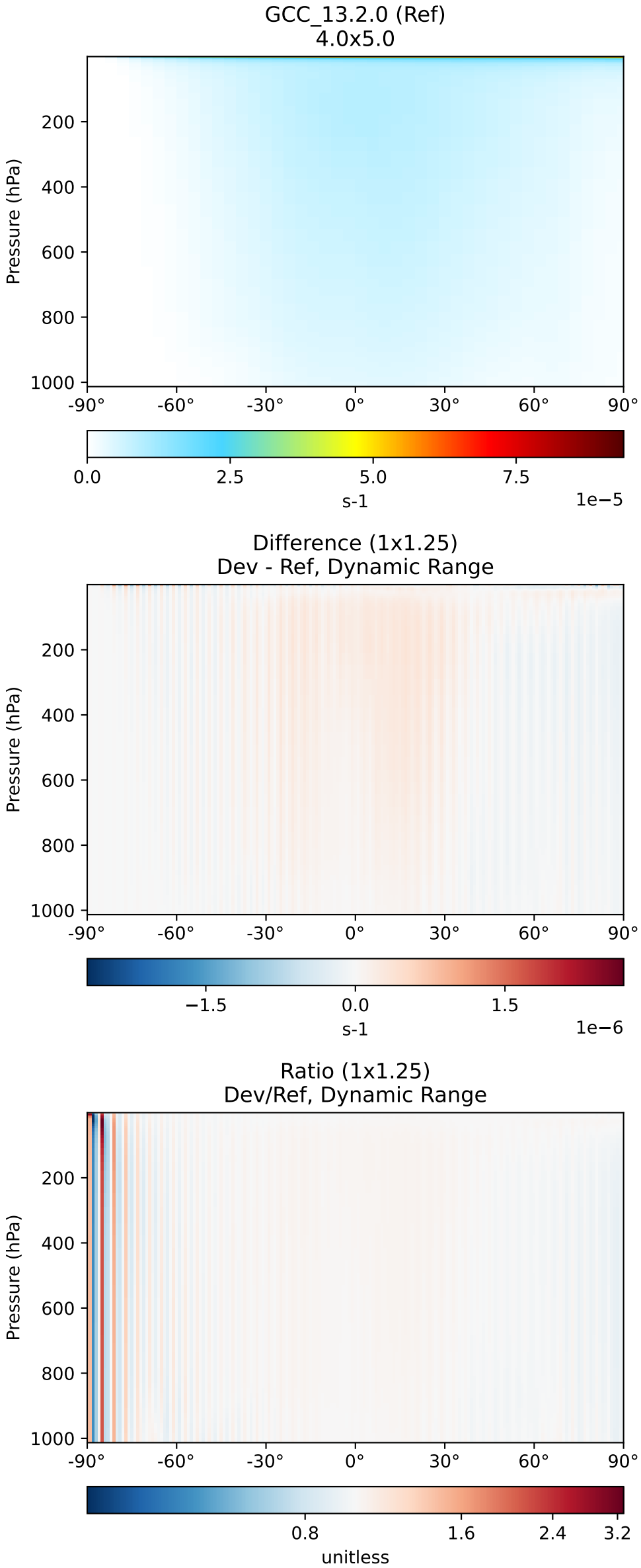


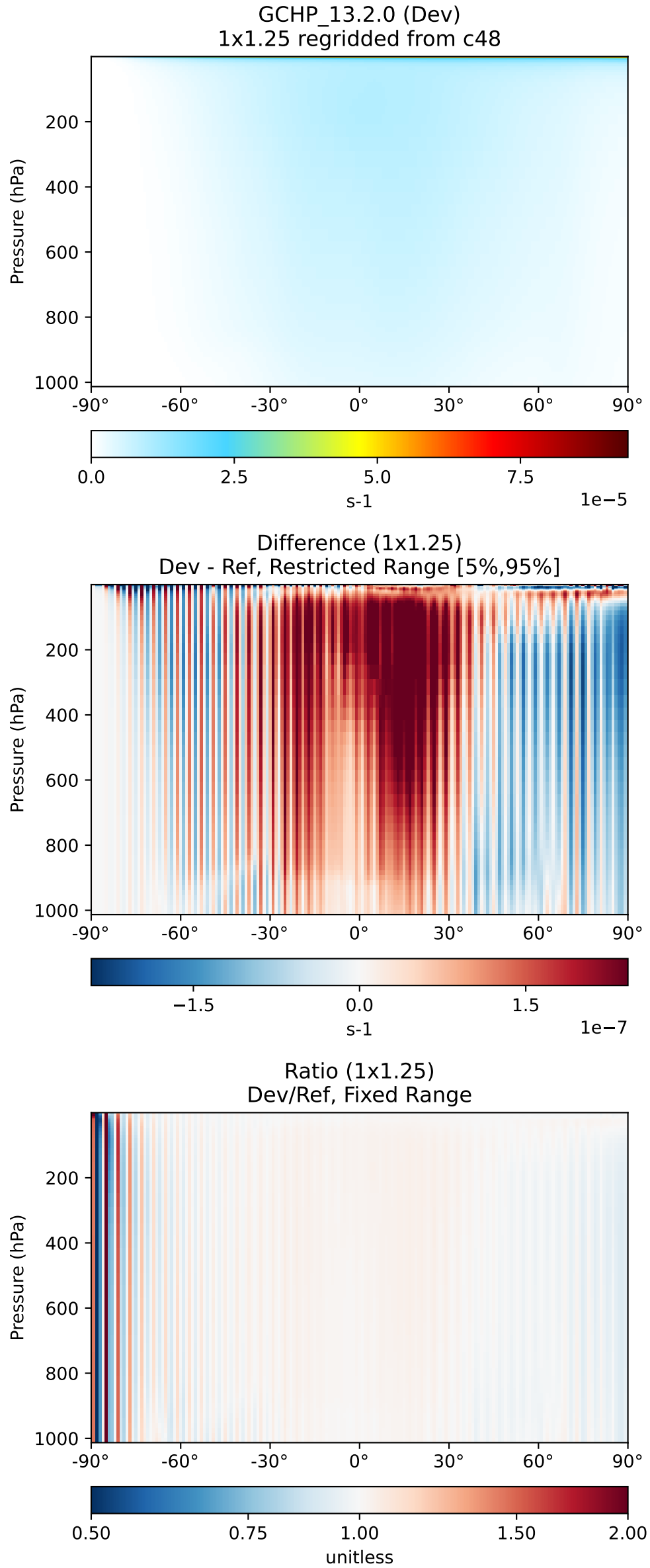
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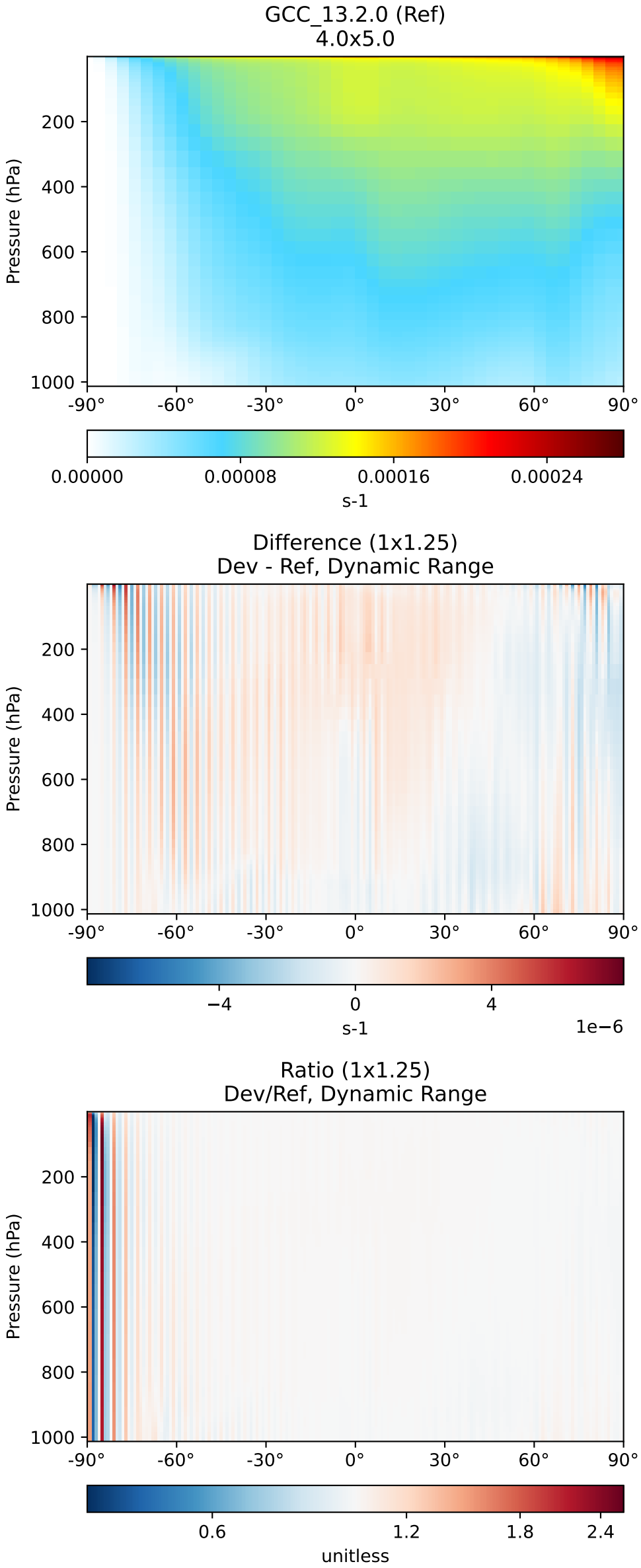


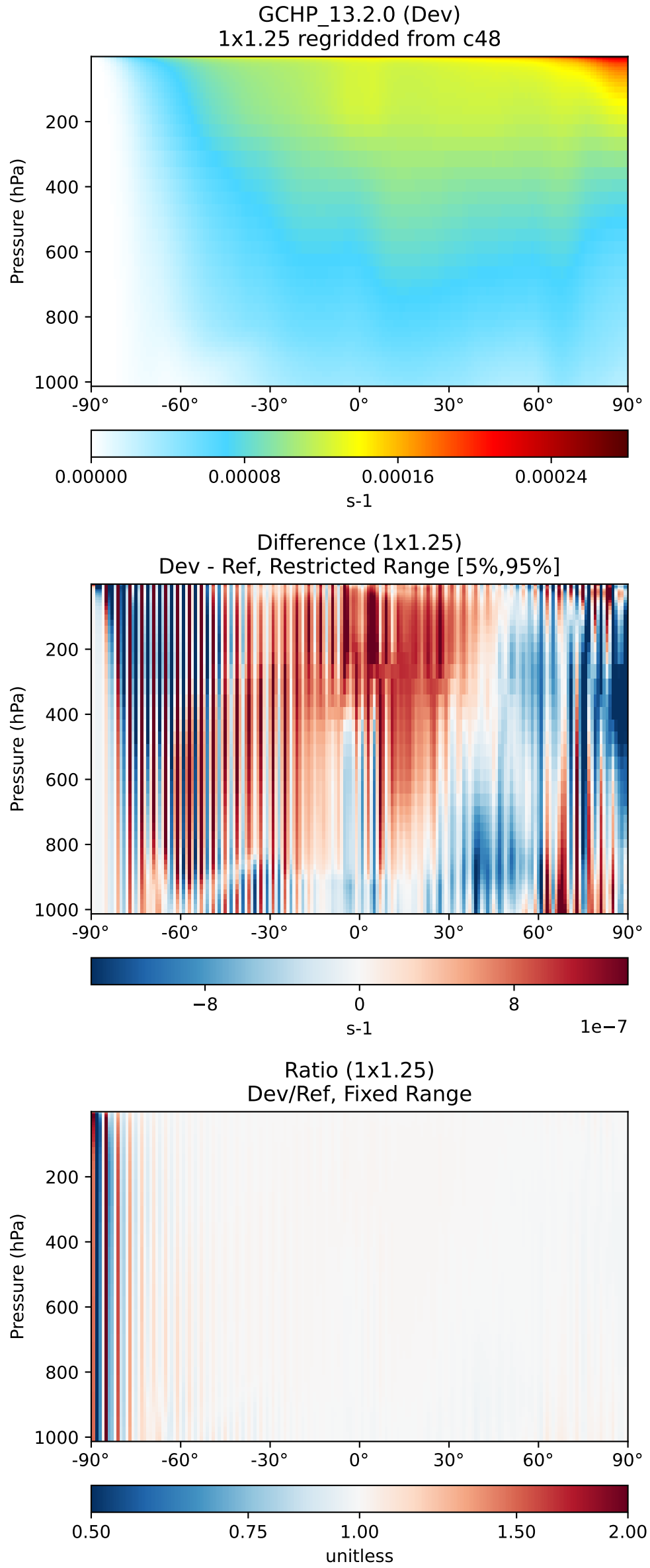
Jval_GLYC, Zonal Mean (Apr2019)



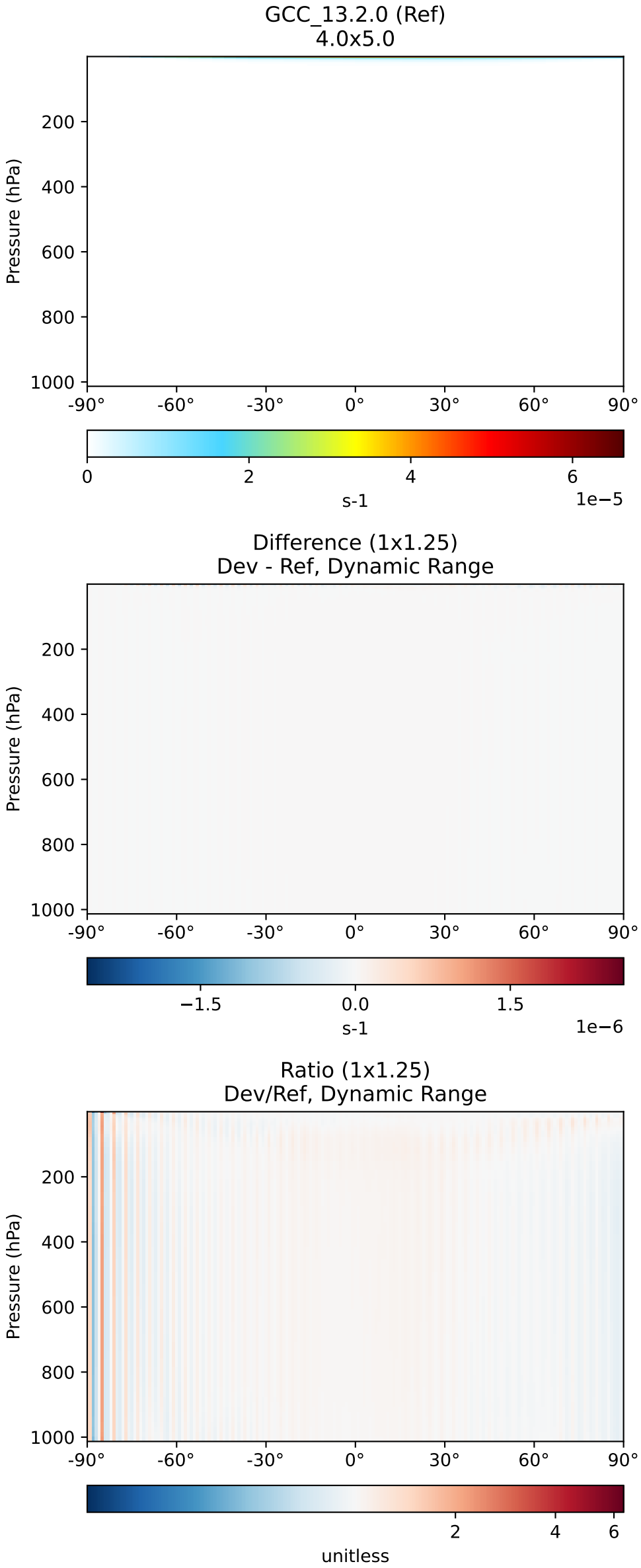


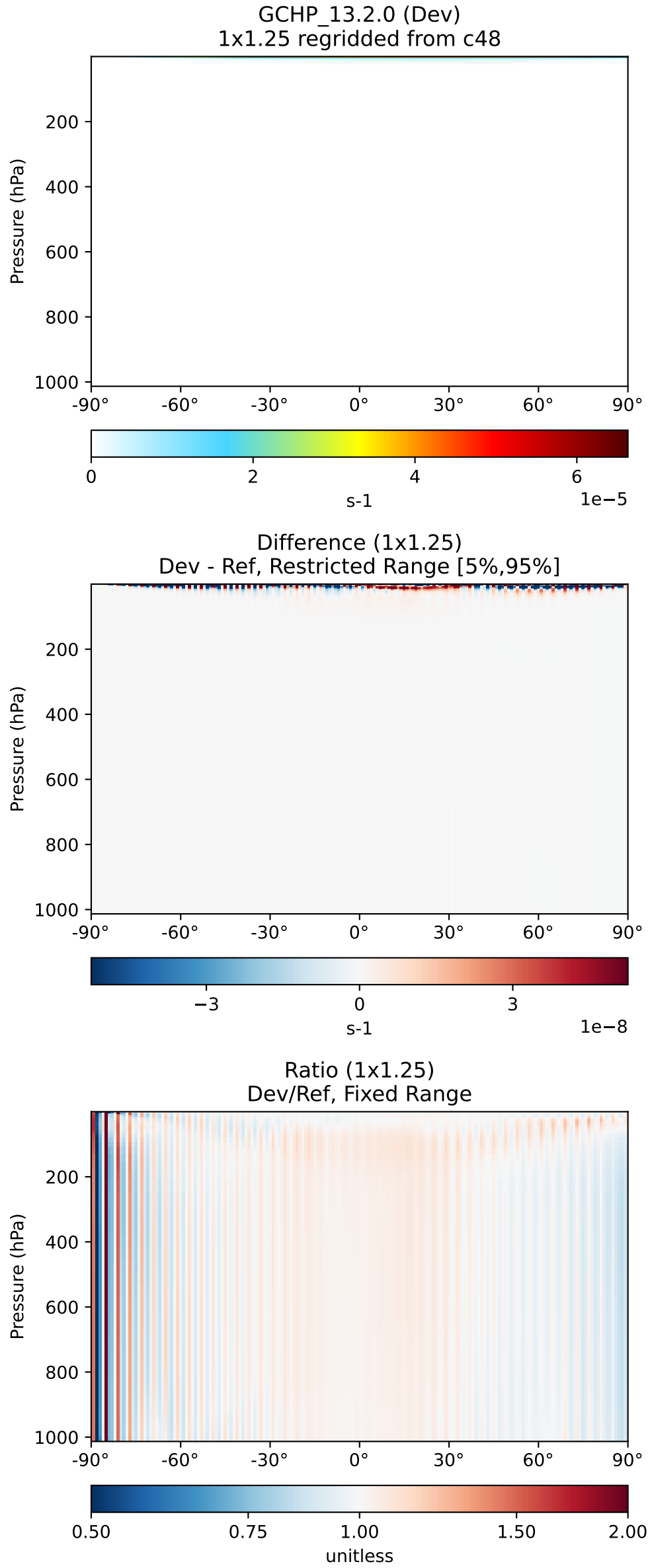
Jval_GLYX, Zonal Mean (Apr2019)



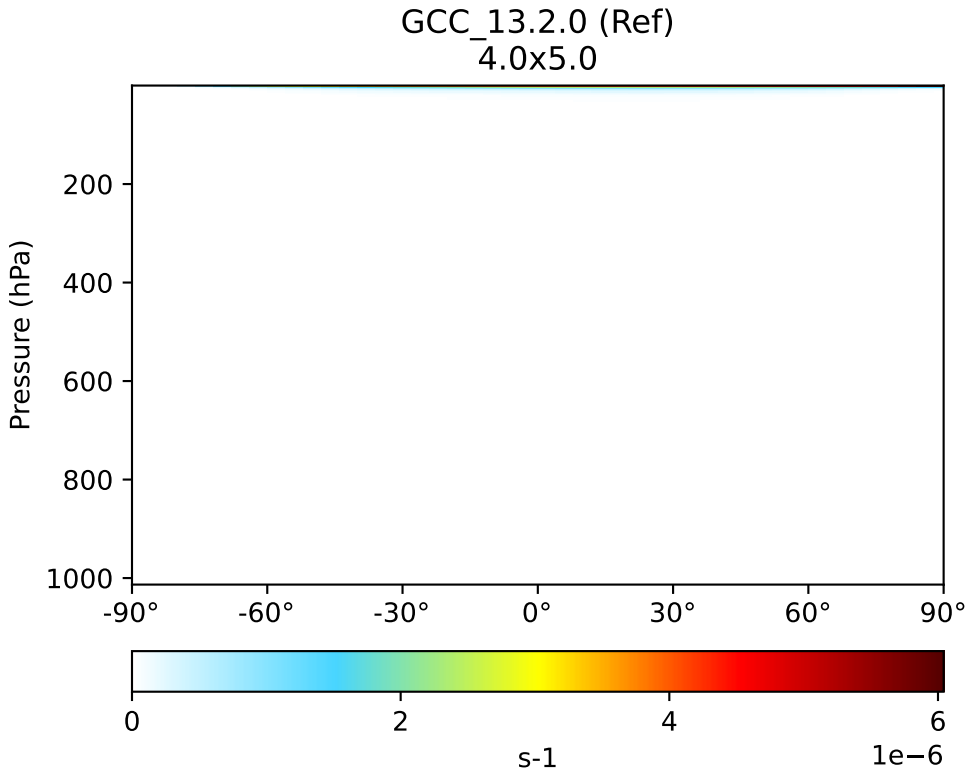


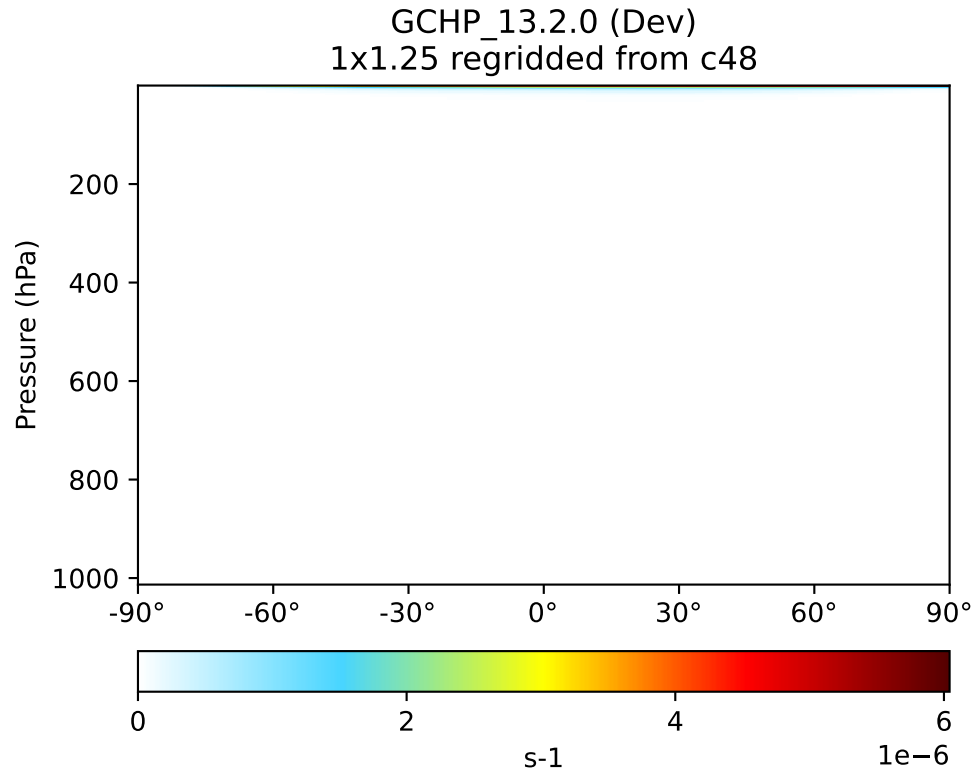
Jval_H1211, Zonal Mean (Apr2019)

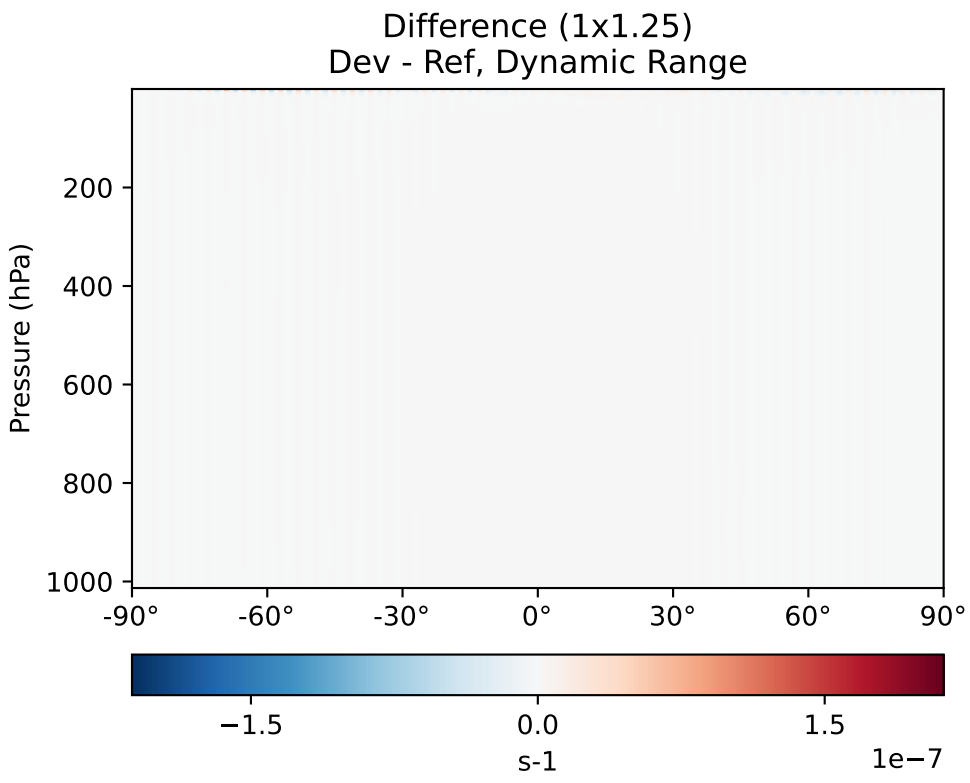


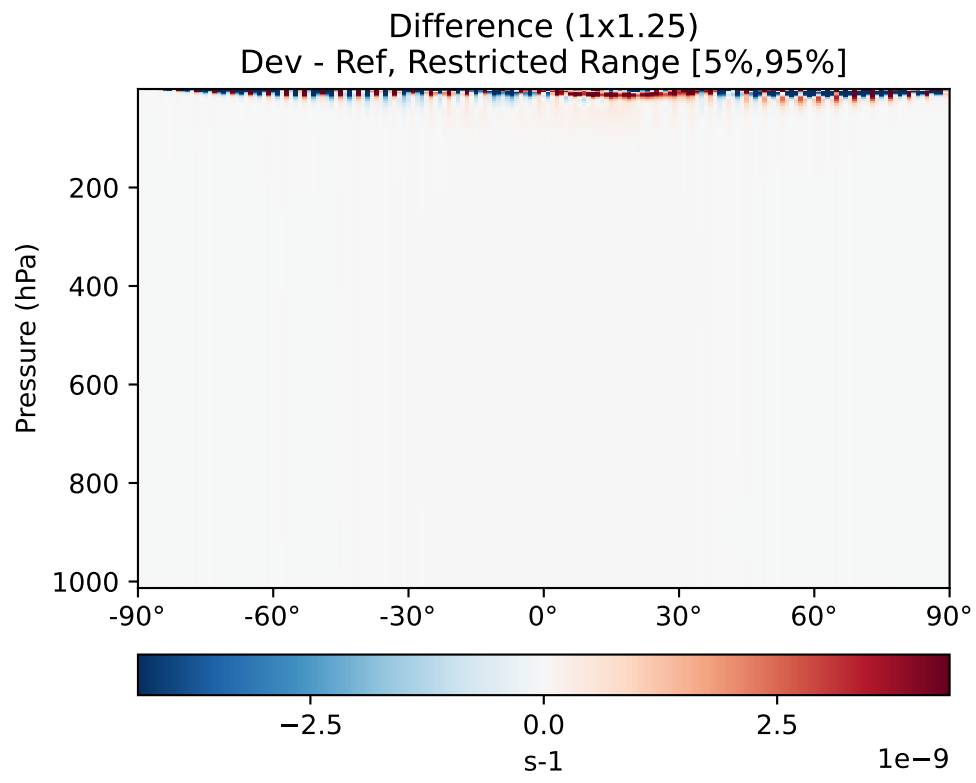


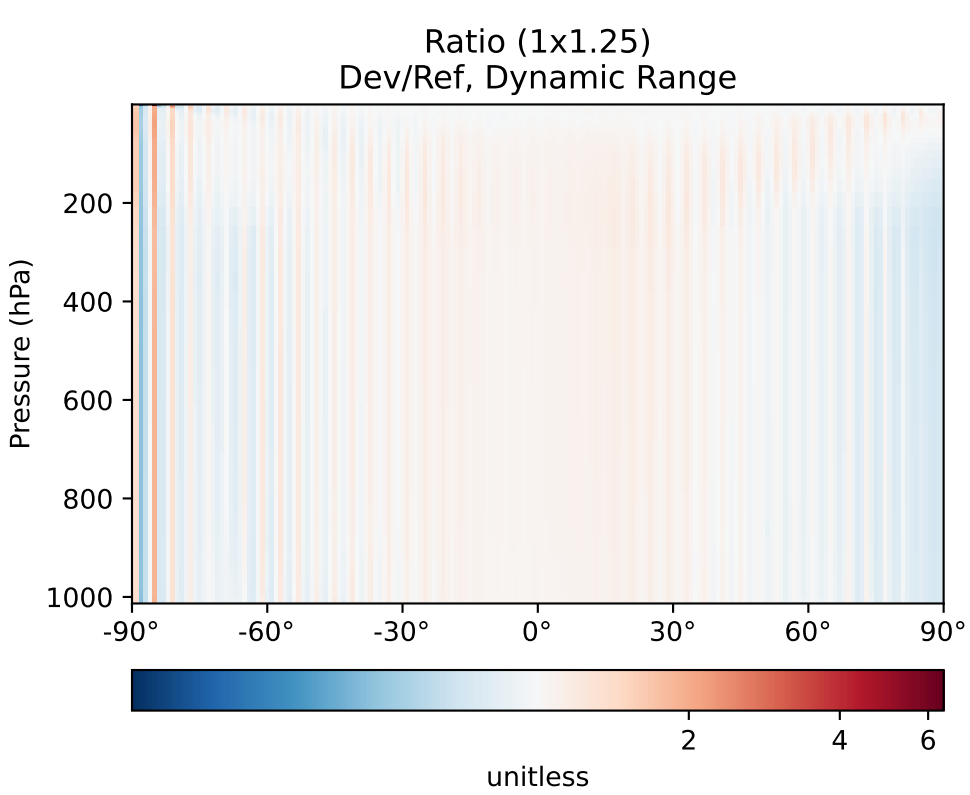
Jval_H1301, Zonal Mean (Apr2019)

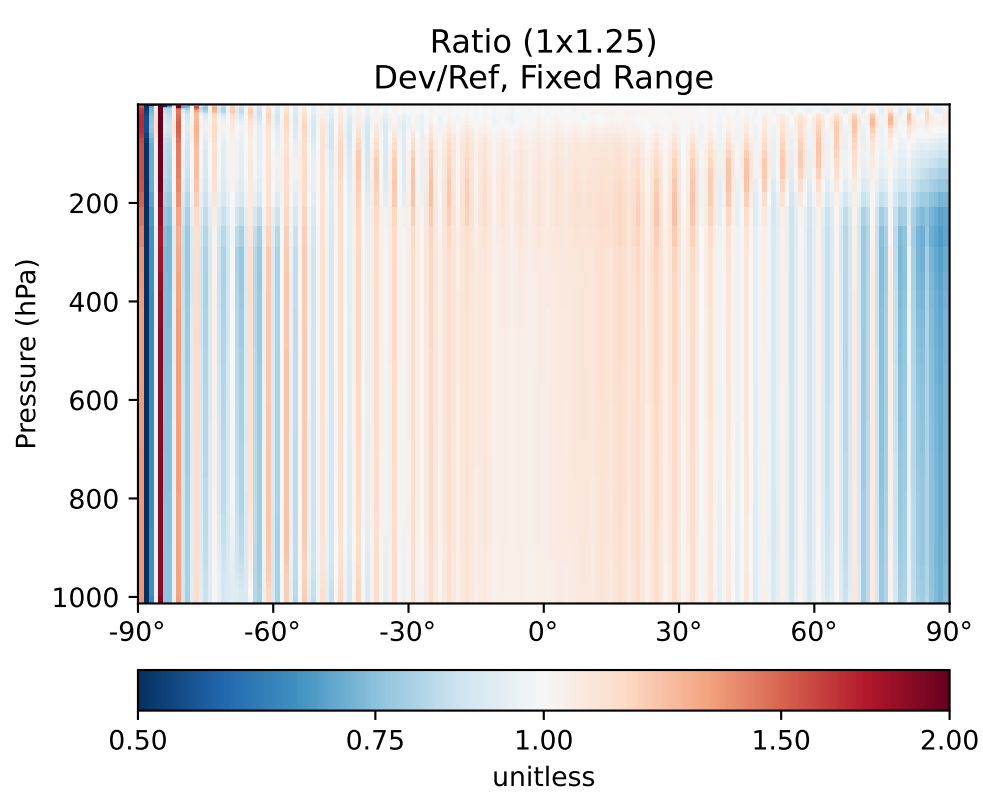




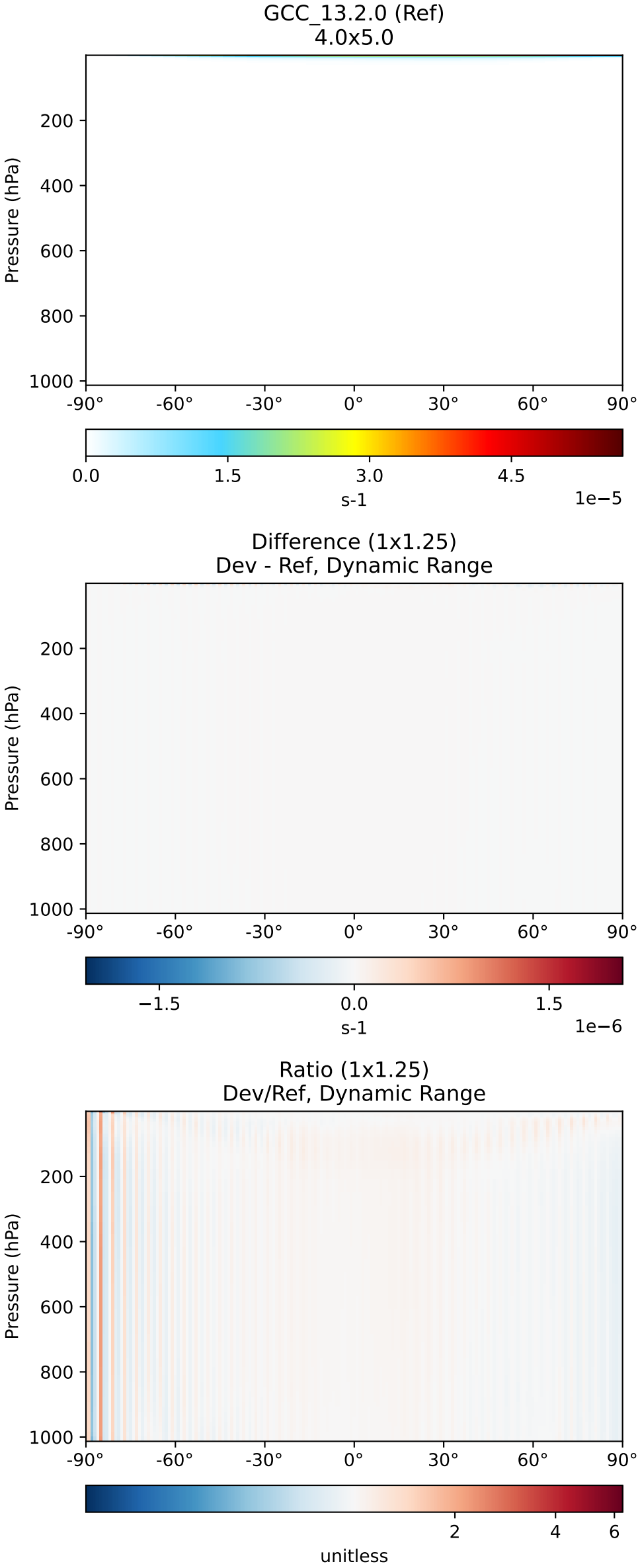


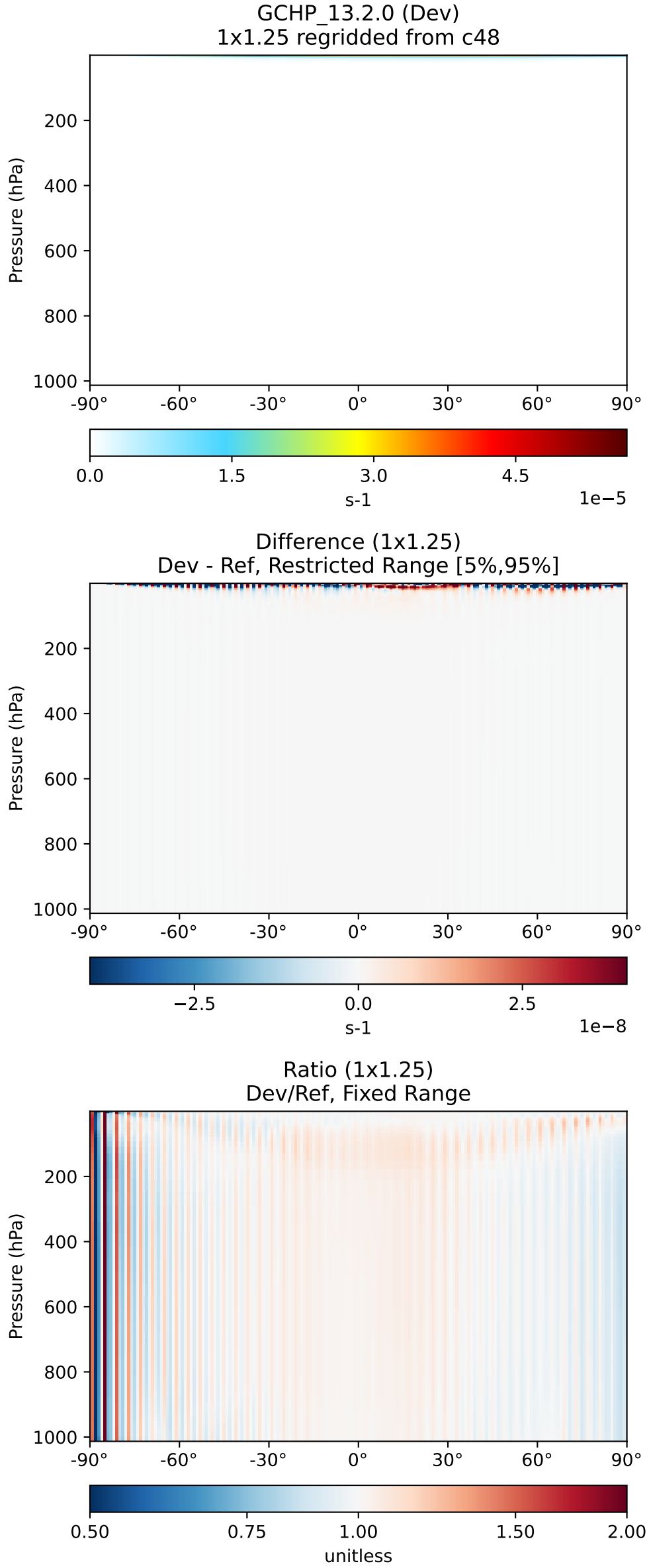




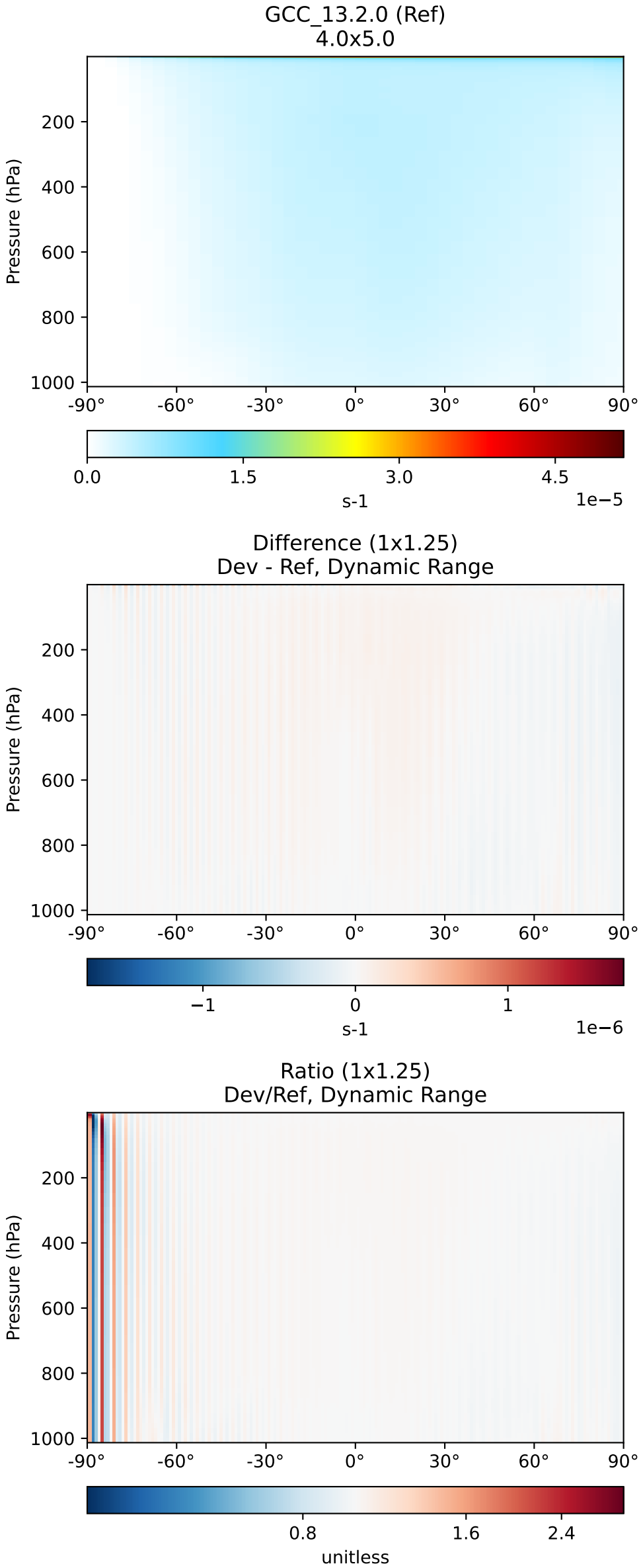


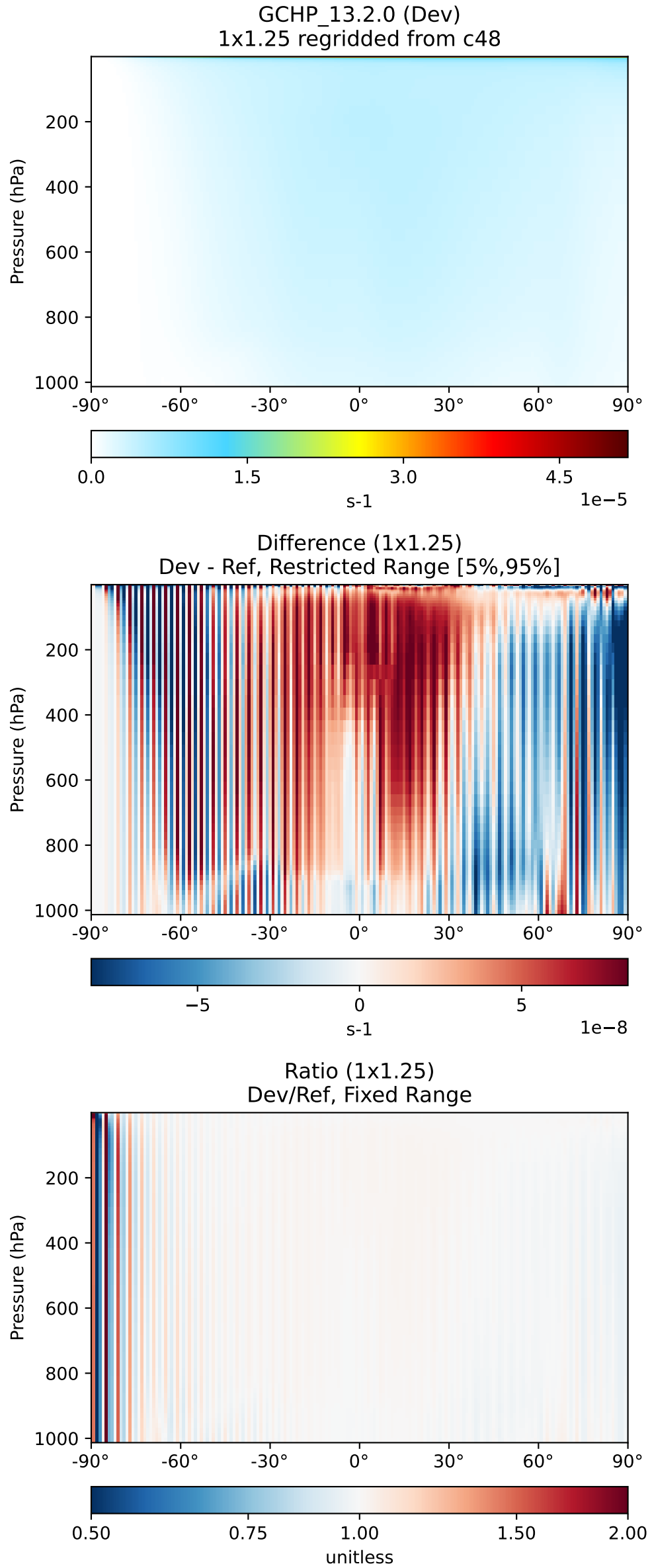
Jval_H2402, Zonal Mean (Apr2019)



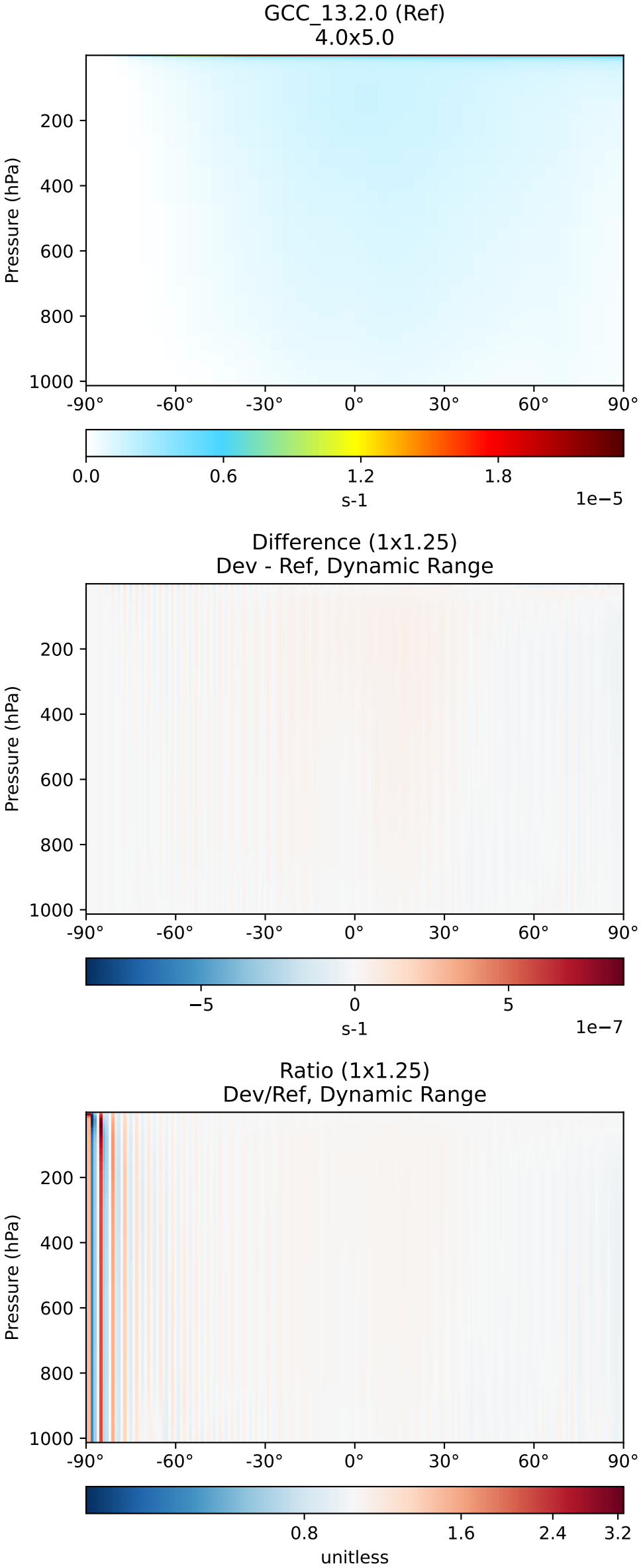


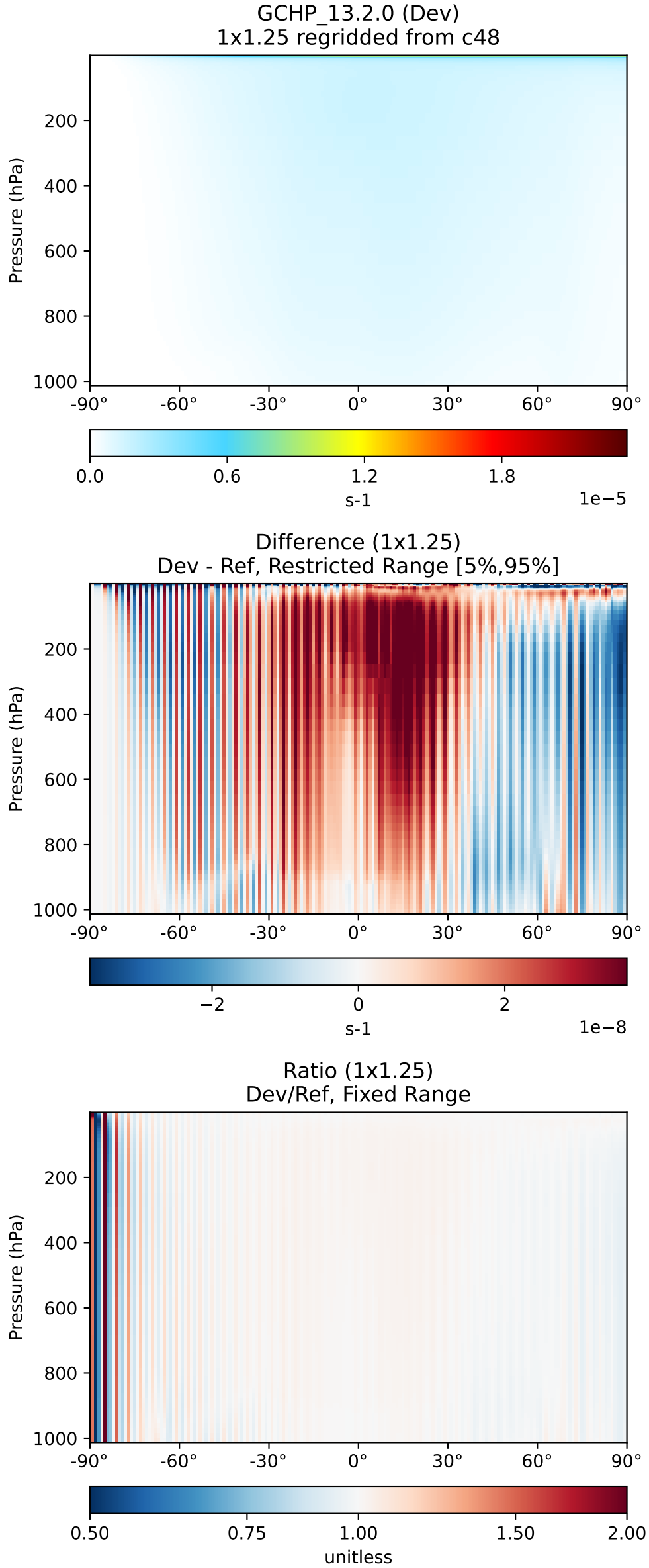
Jval_H2O2, Zonal Mean (Apr2019)



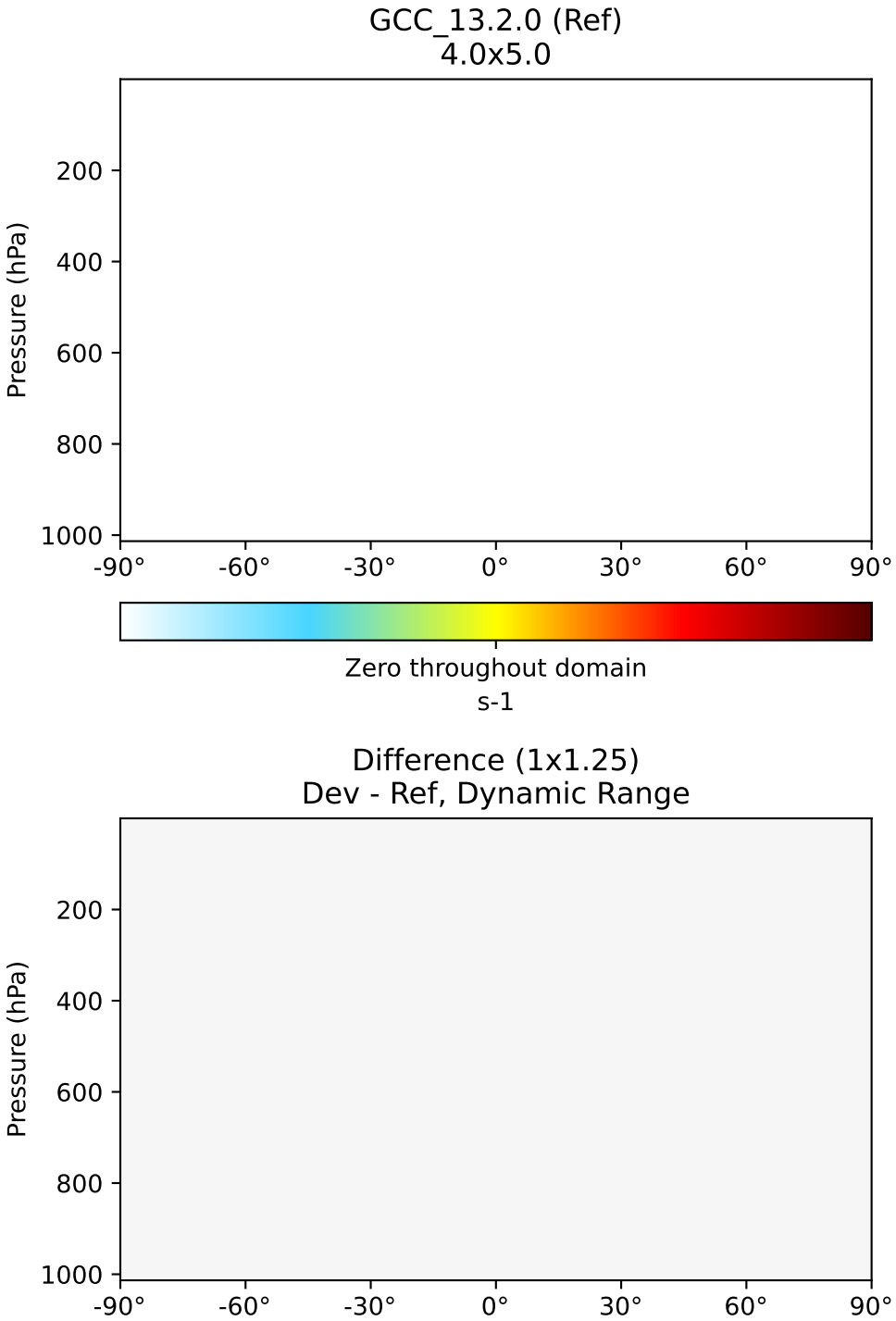


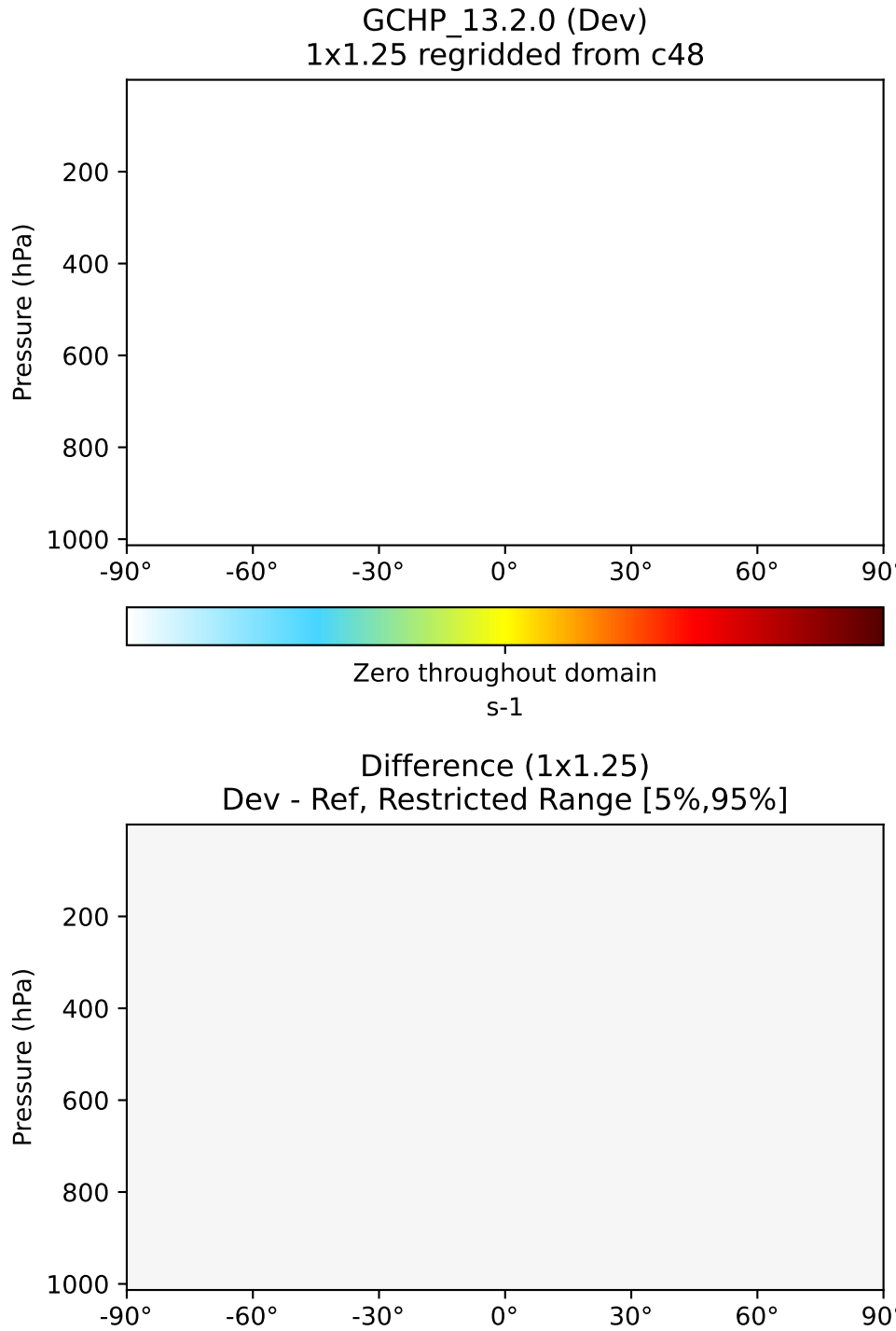
Jval_HAC, Zonal Mean (Apr2019)

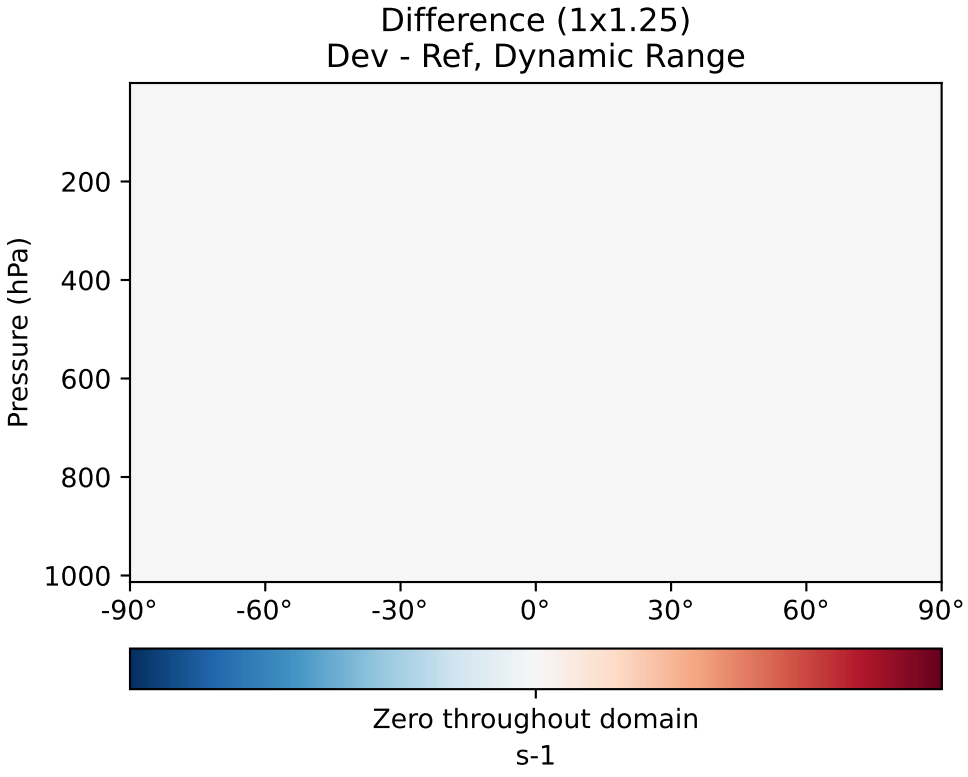


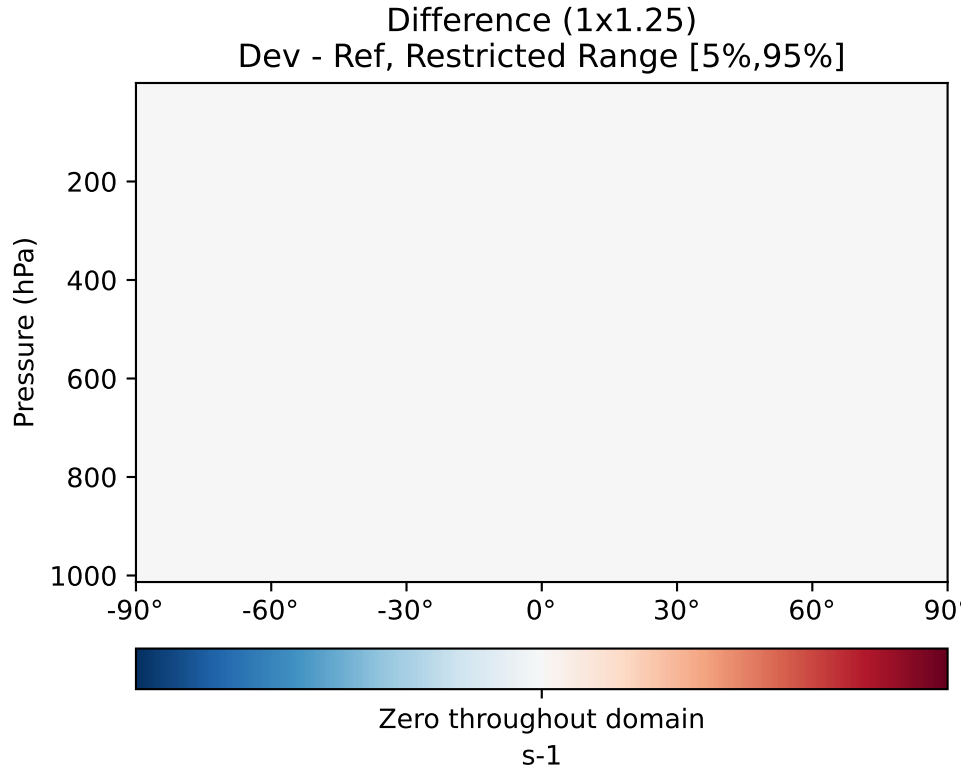


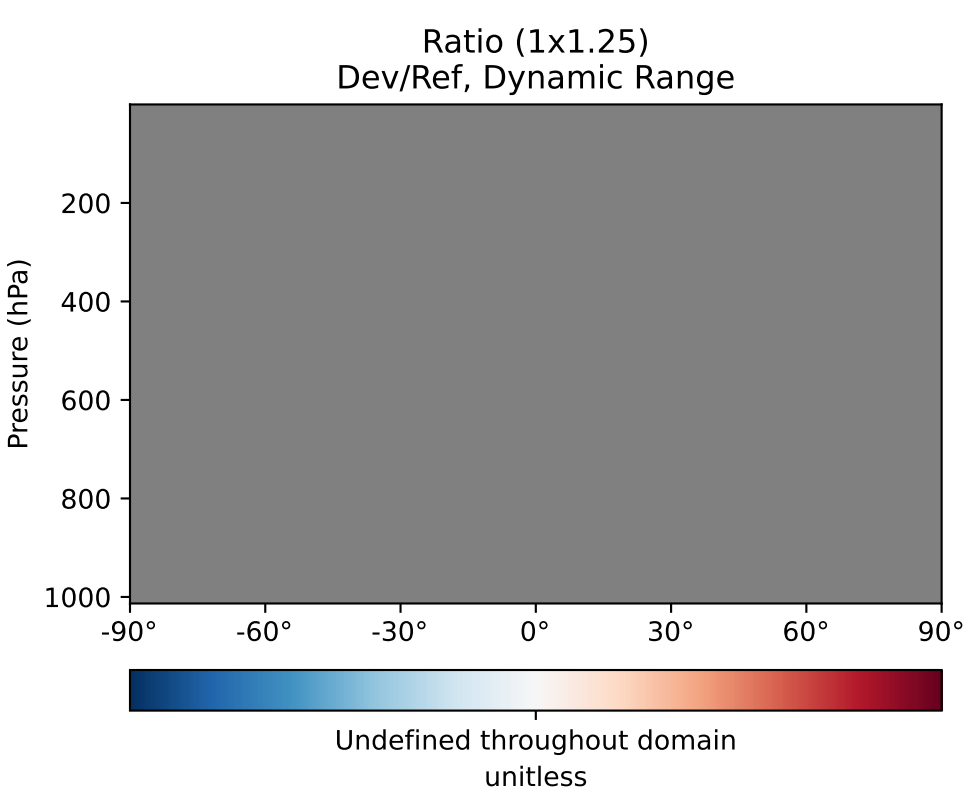
Jval_HC5A, Zonal Mean (Apr2019)

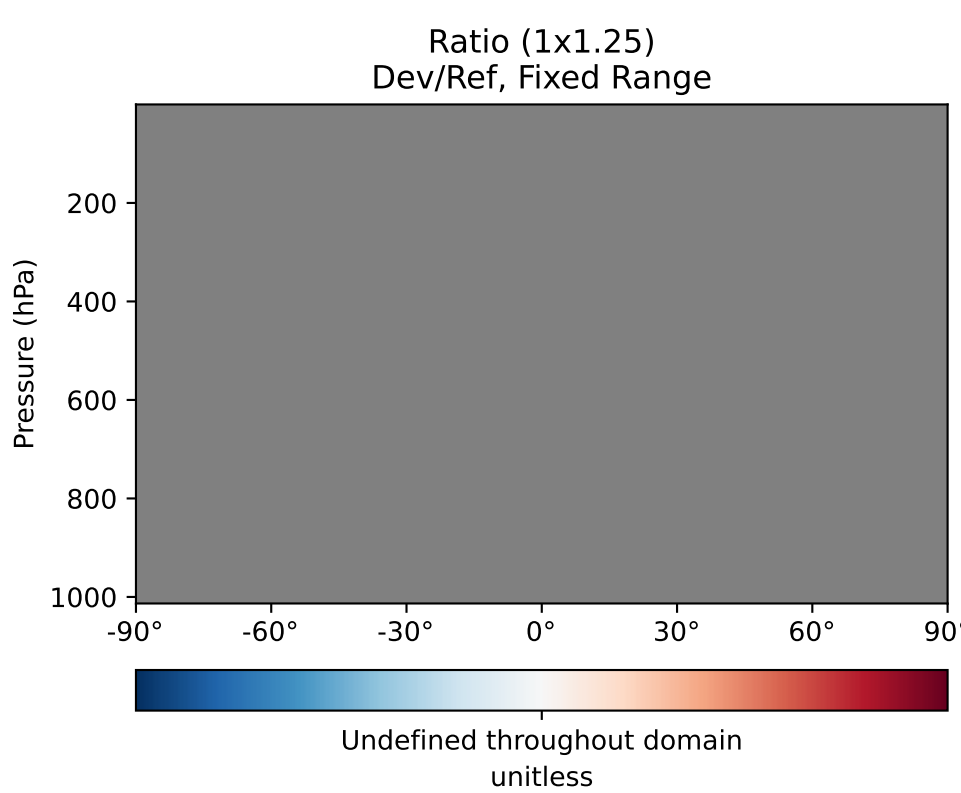




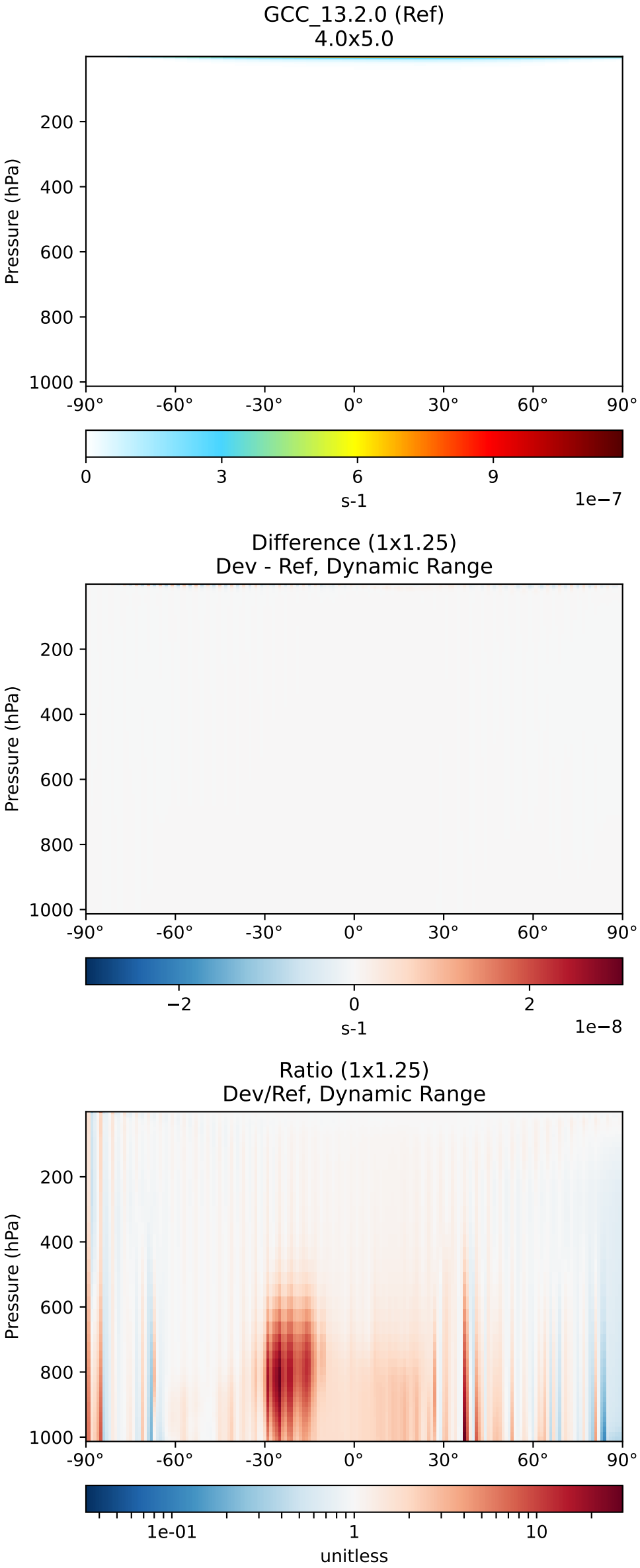


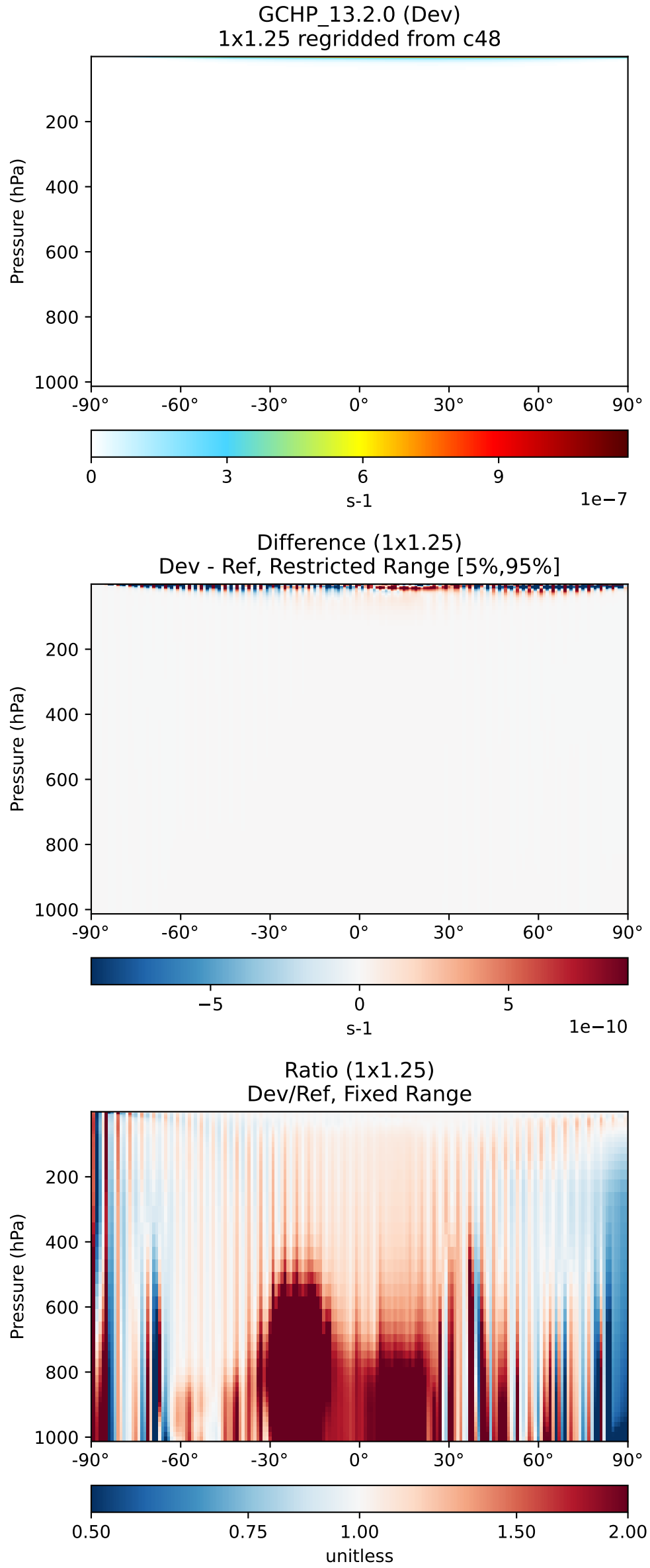




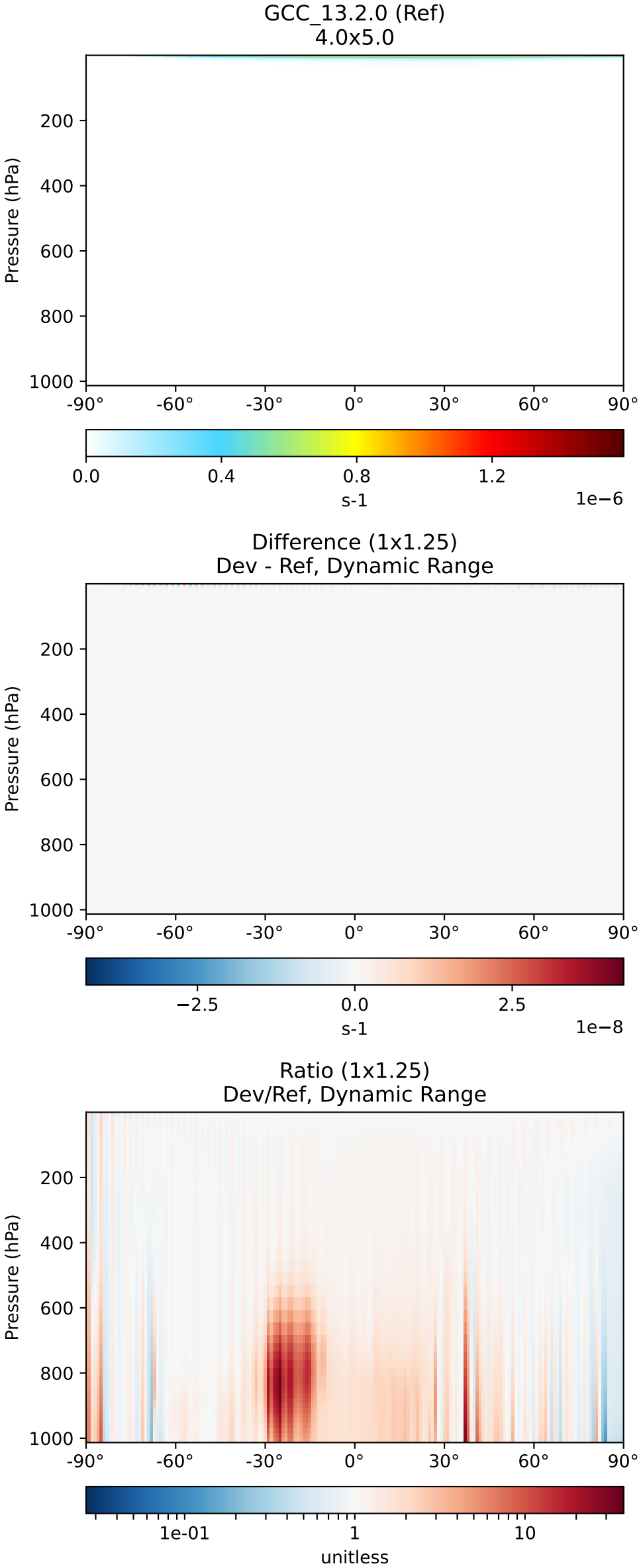


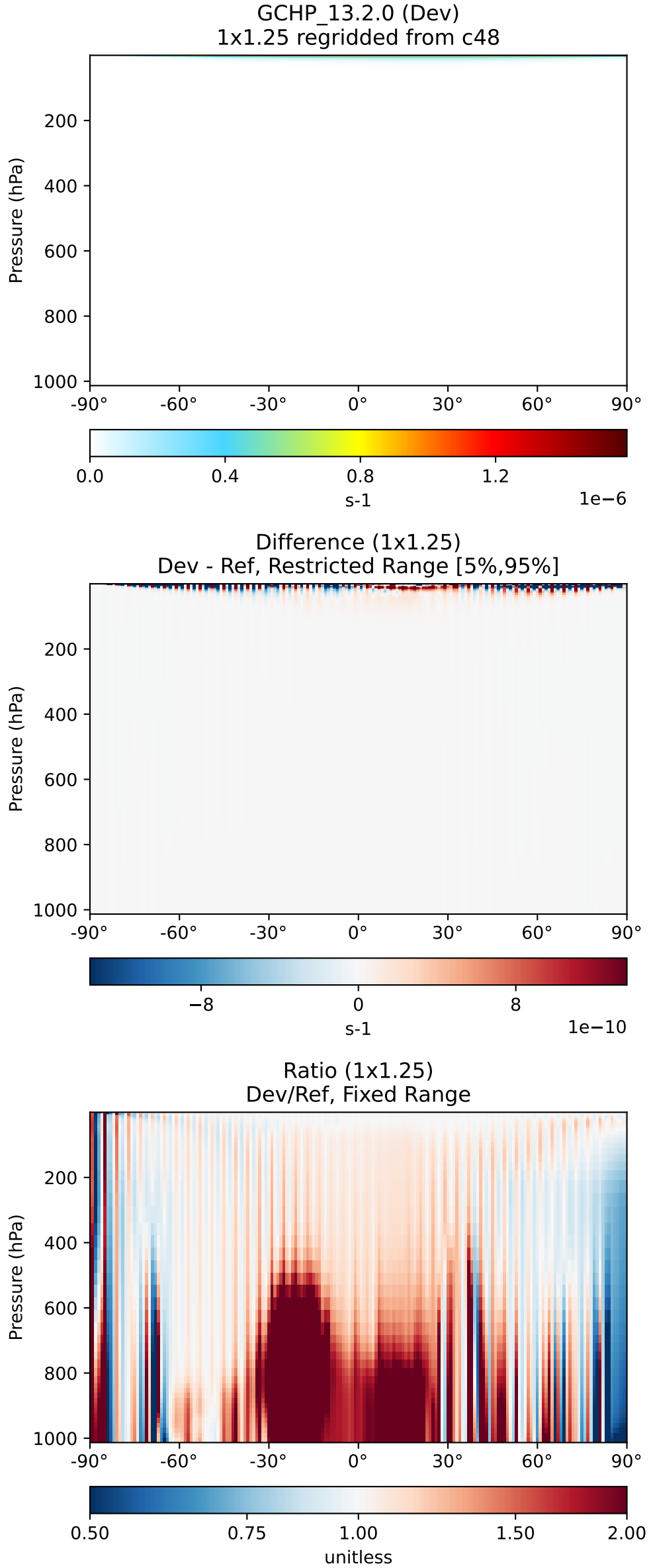
Jval_HCFC123, Zonal Mean (Apr2019)



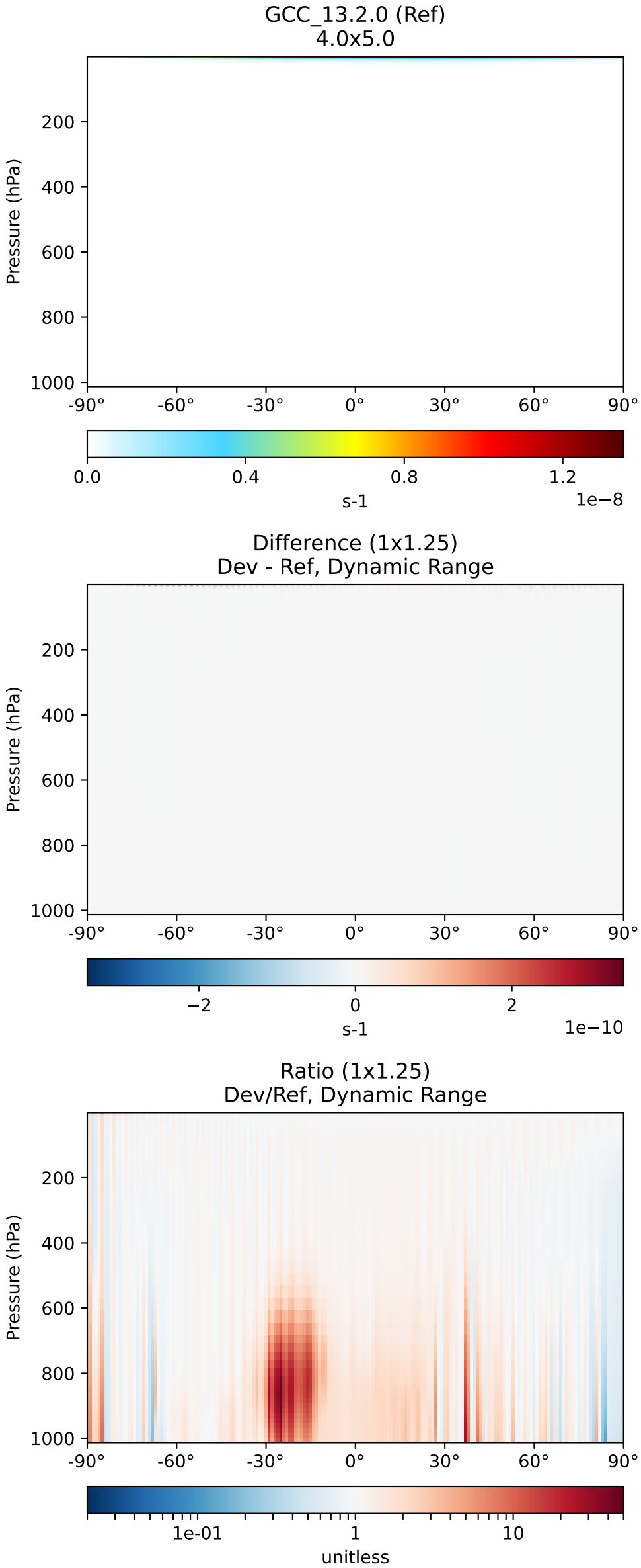


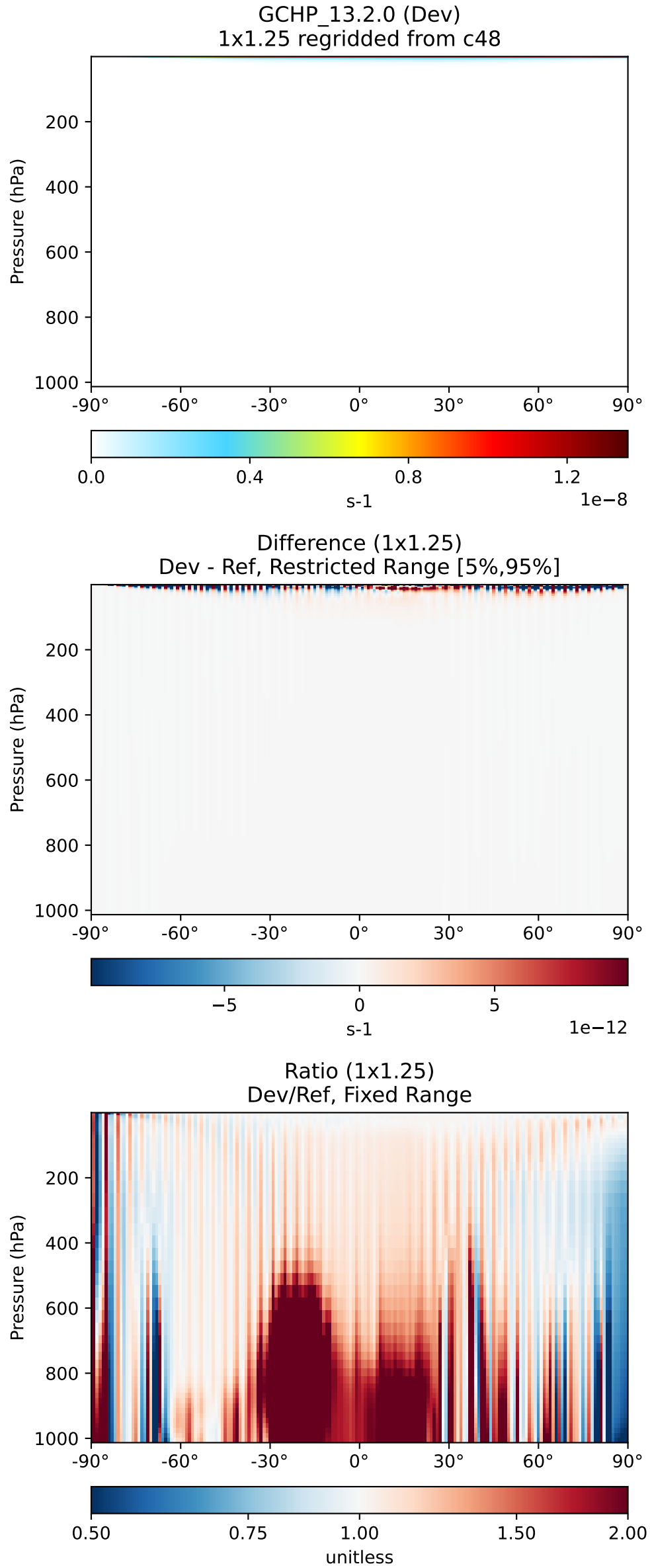
Jval_HCFC141b, Zonal Mean (Apr2019)



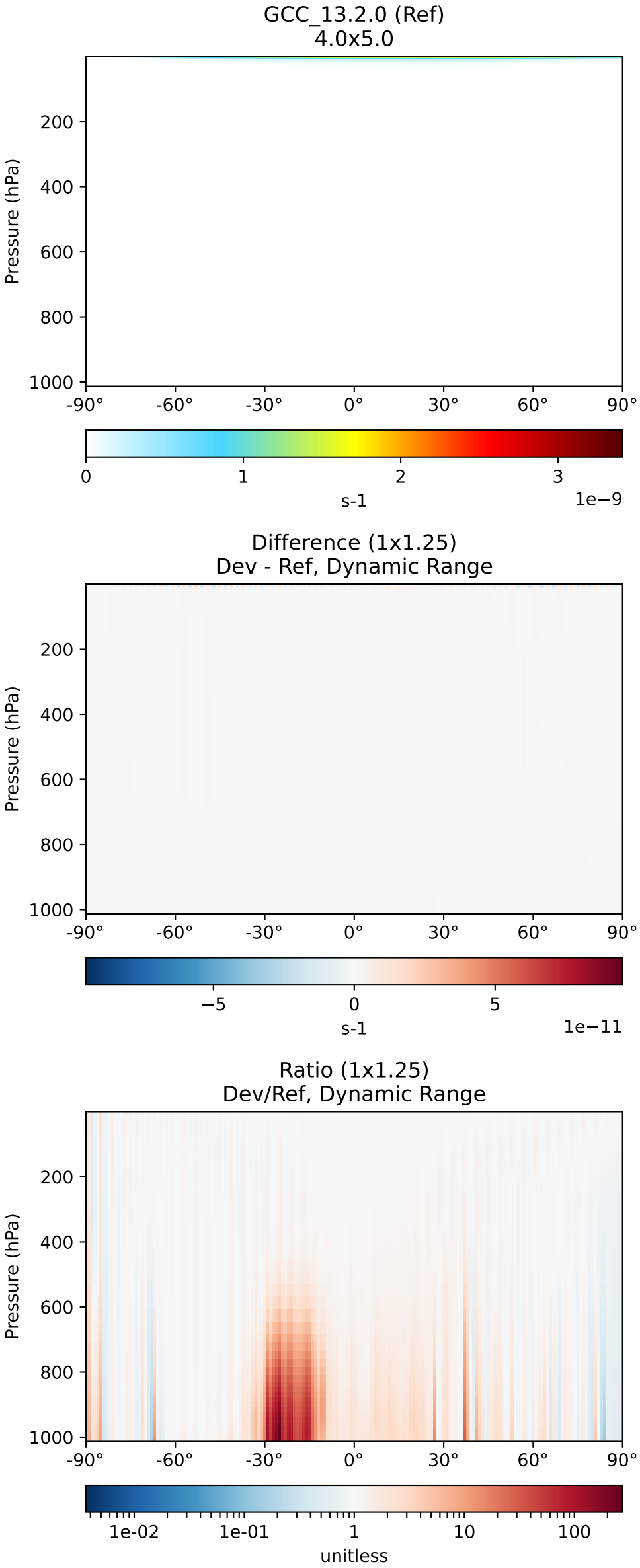


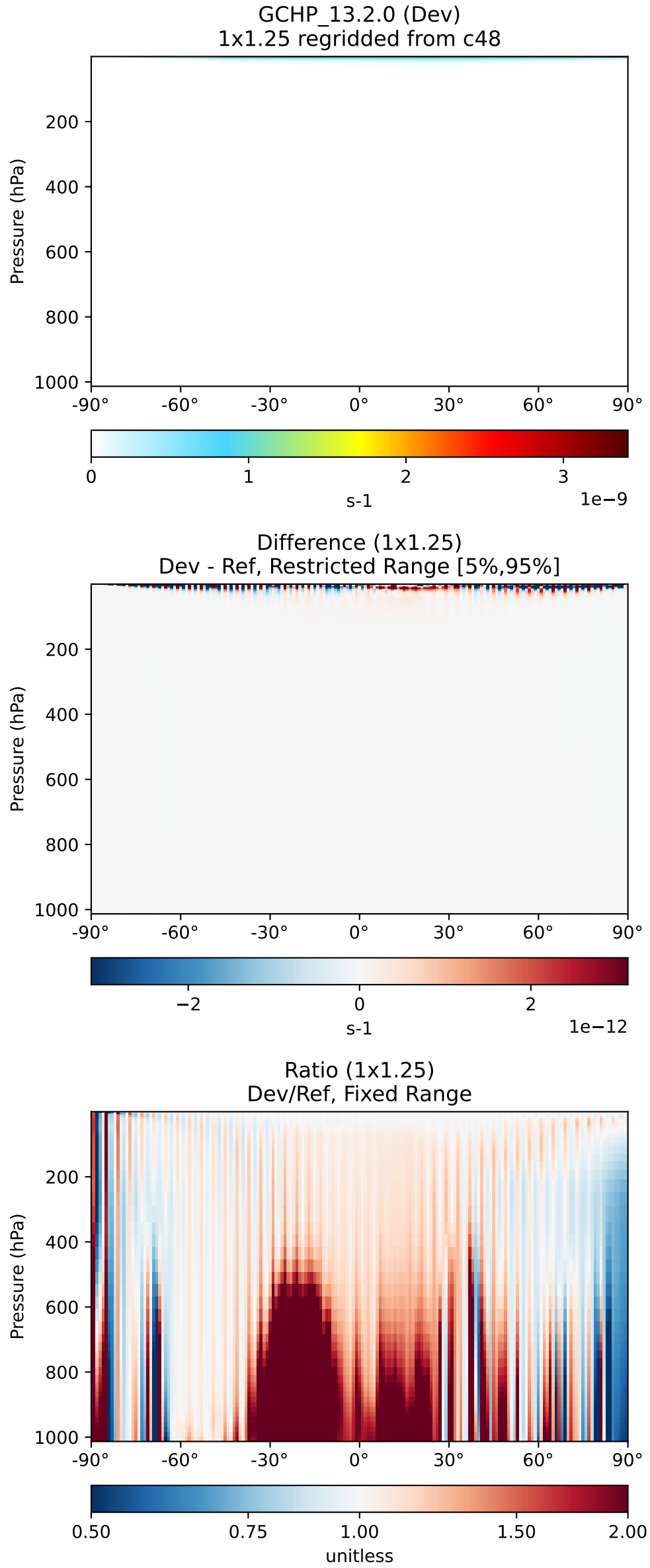
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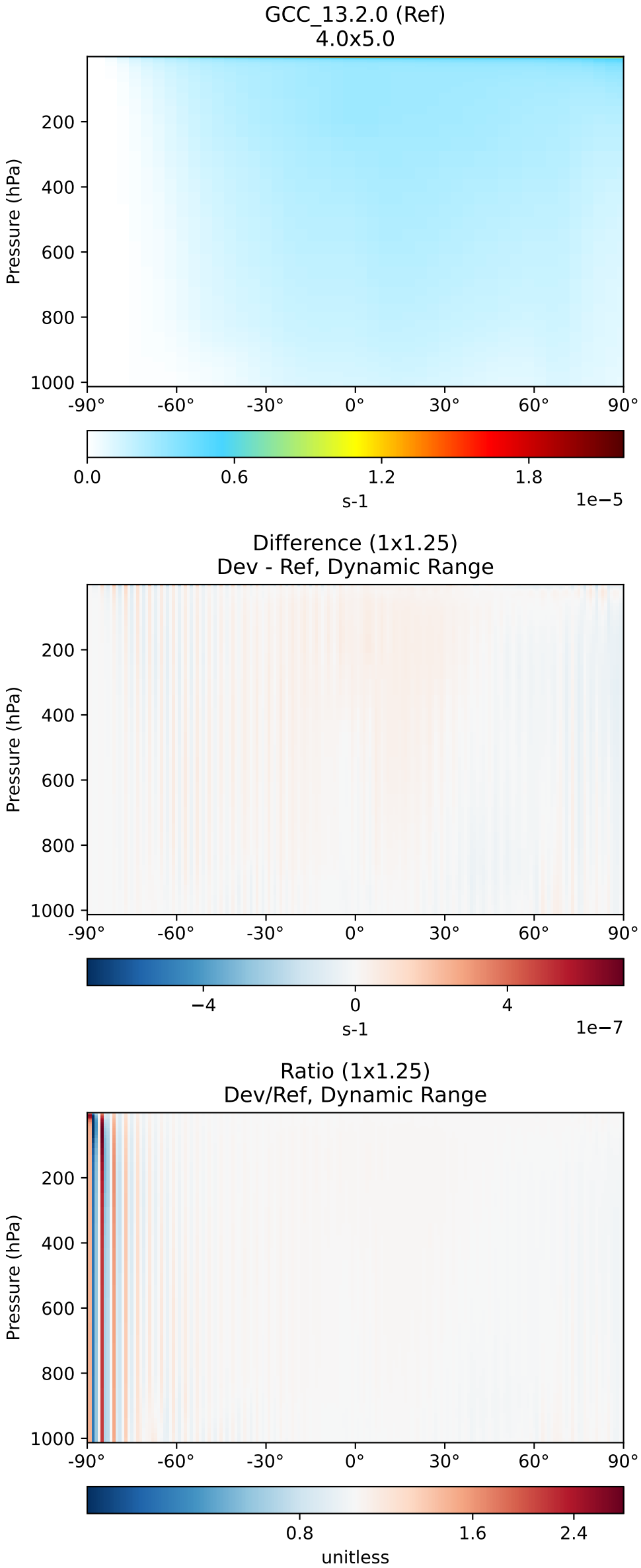


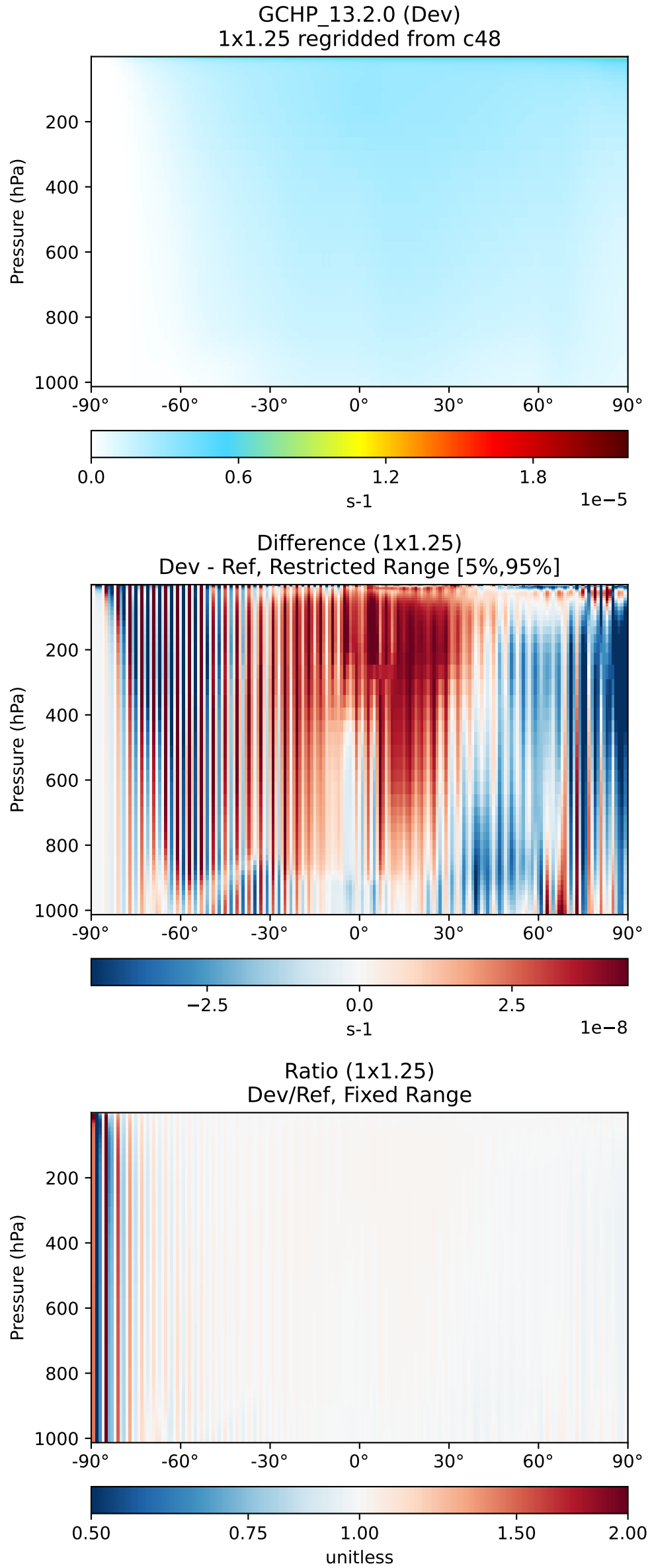
Jval_HCFC22, Zonal Mean (Apr2019)



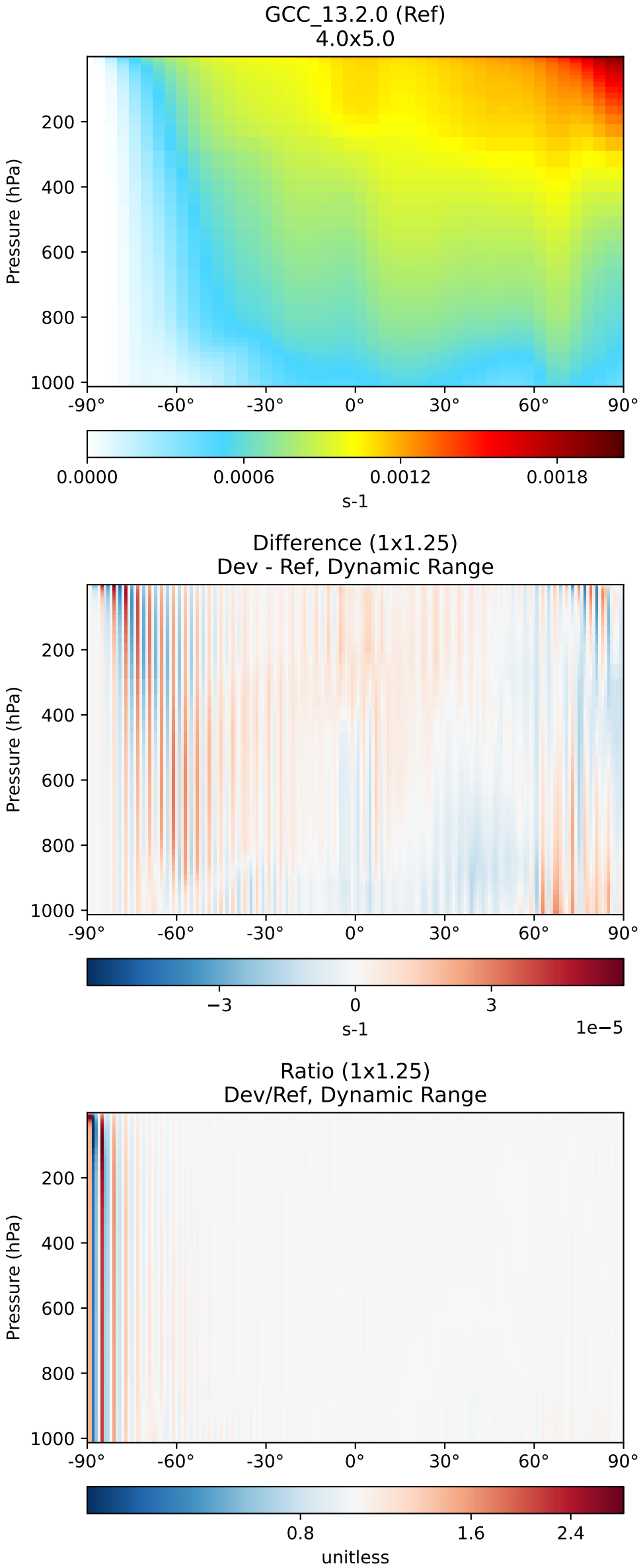


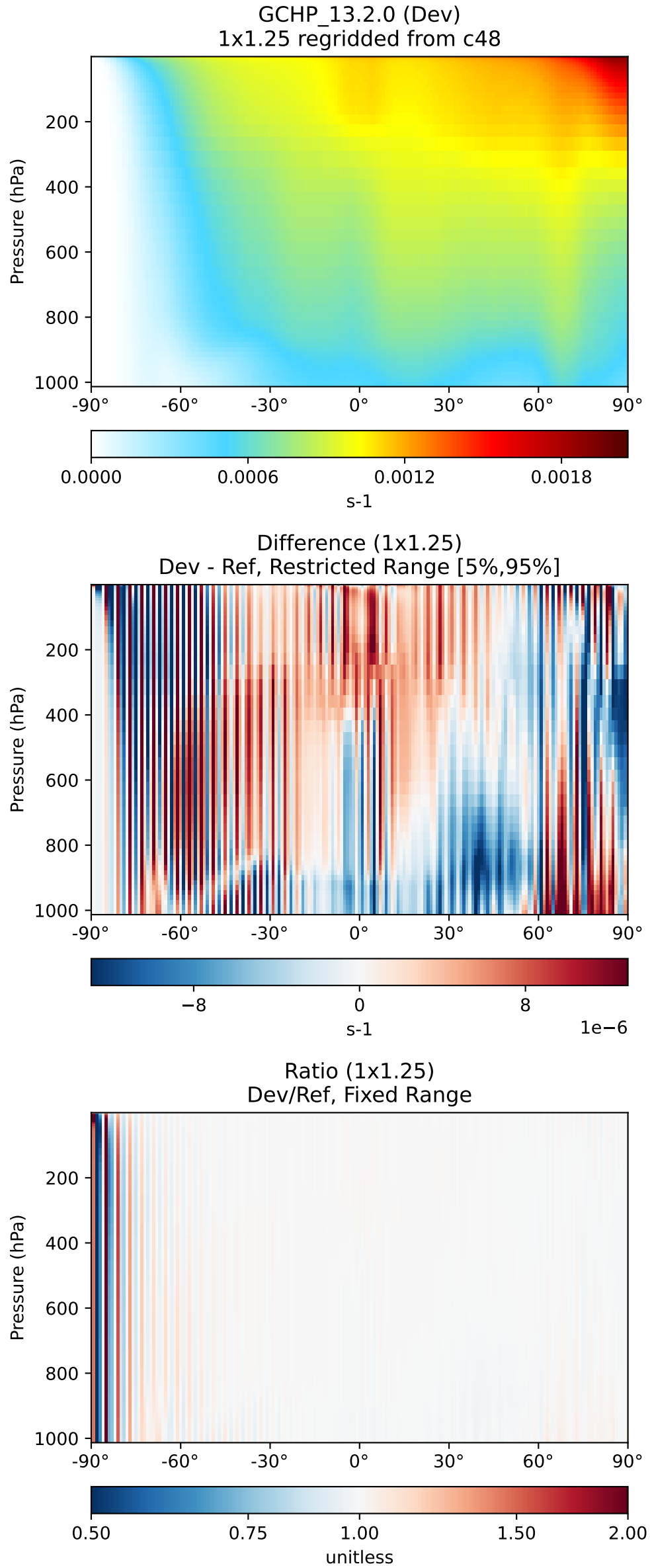
Jval_HMHP, Zonal Mean (Apr2019)



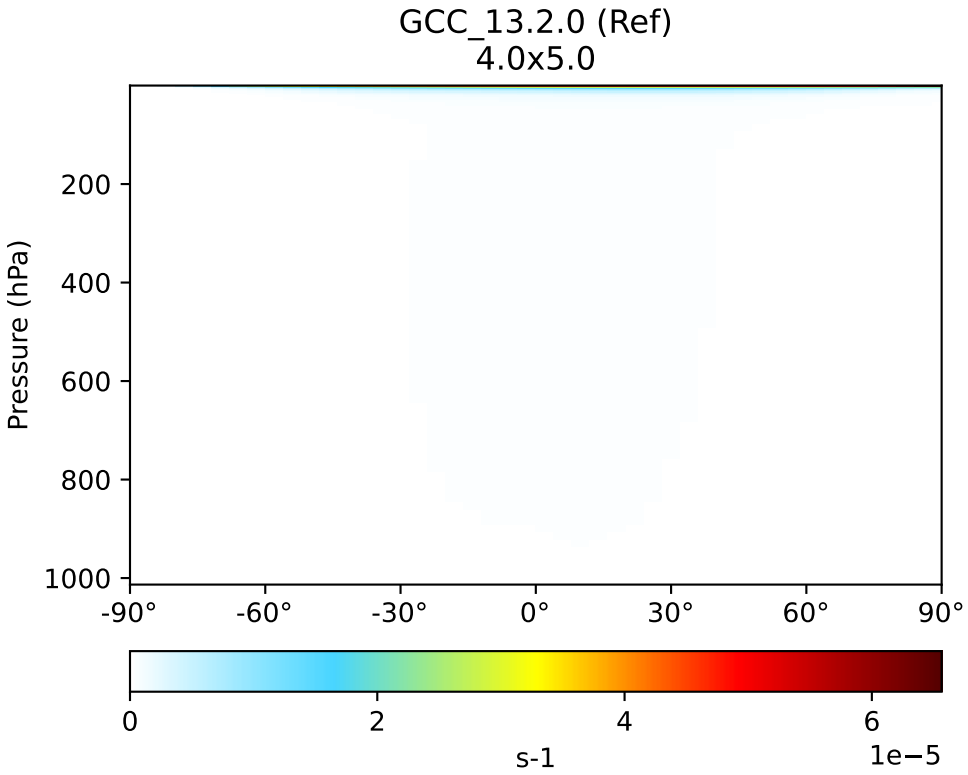


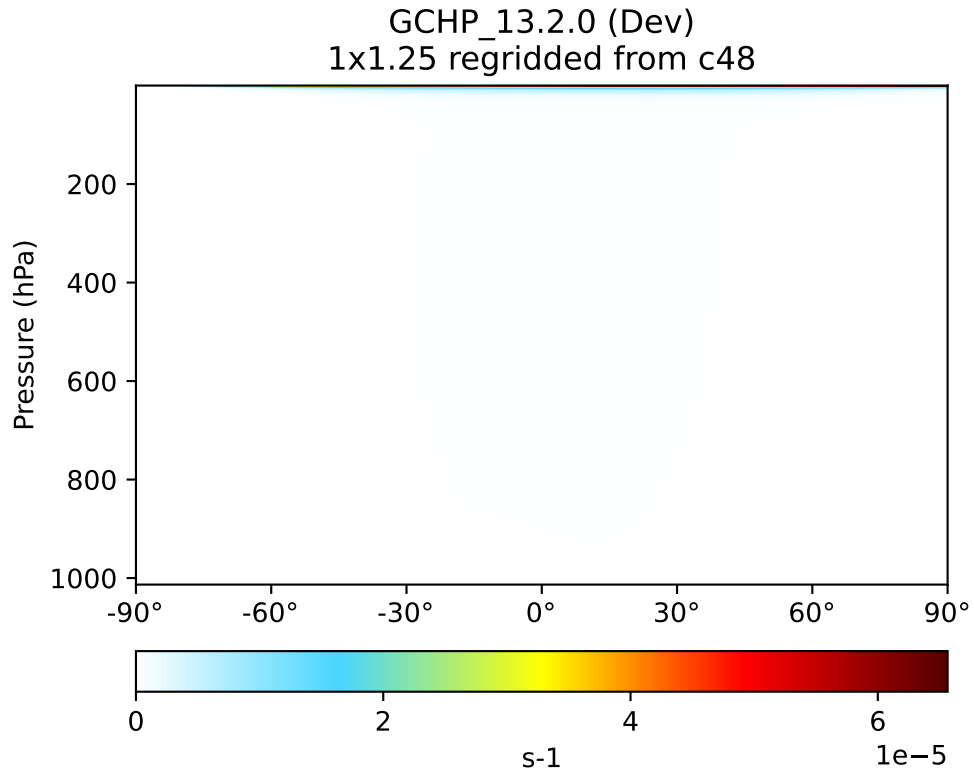
Jval_HNO2, Zonal Mean (Apr2019)

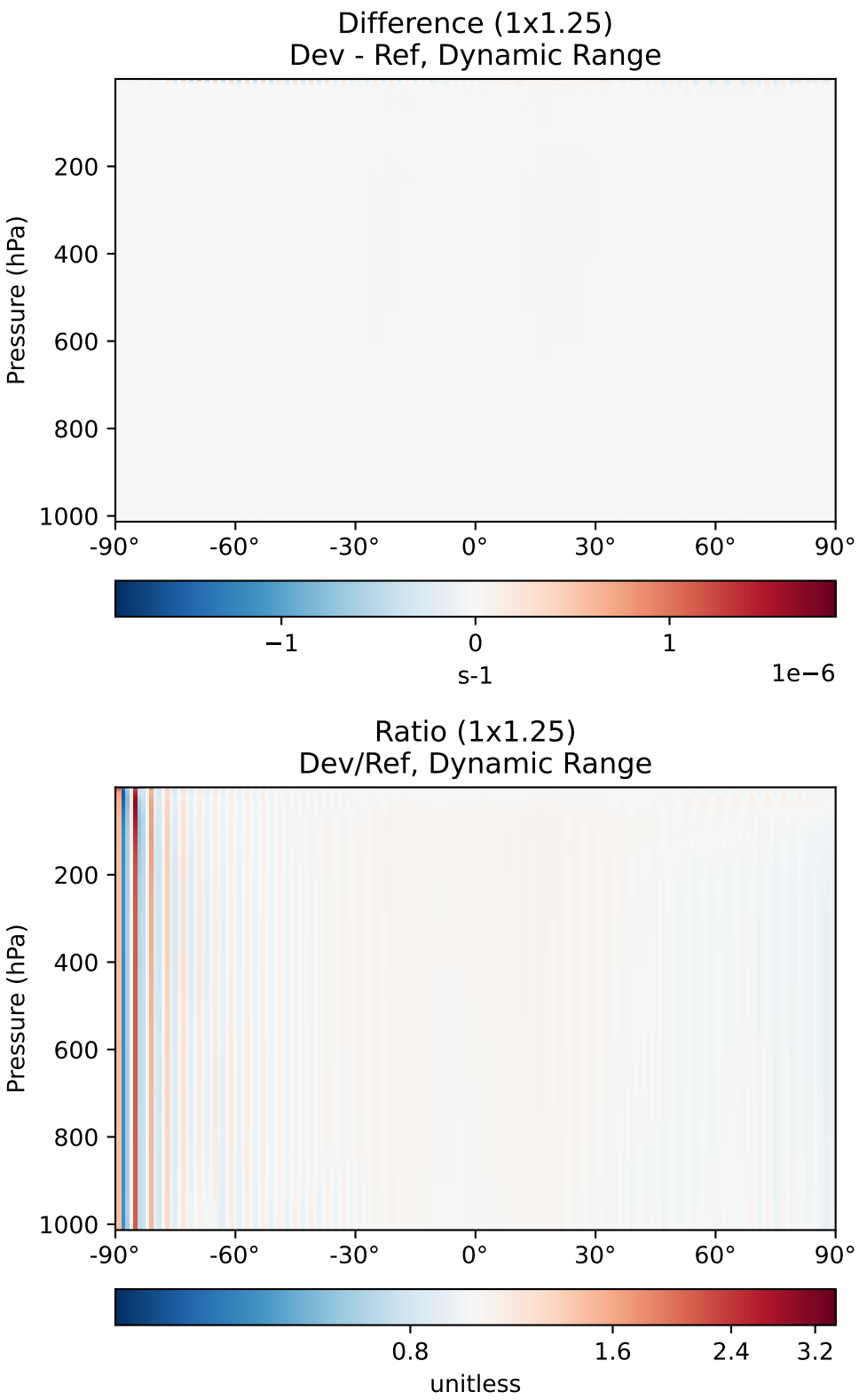


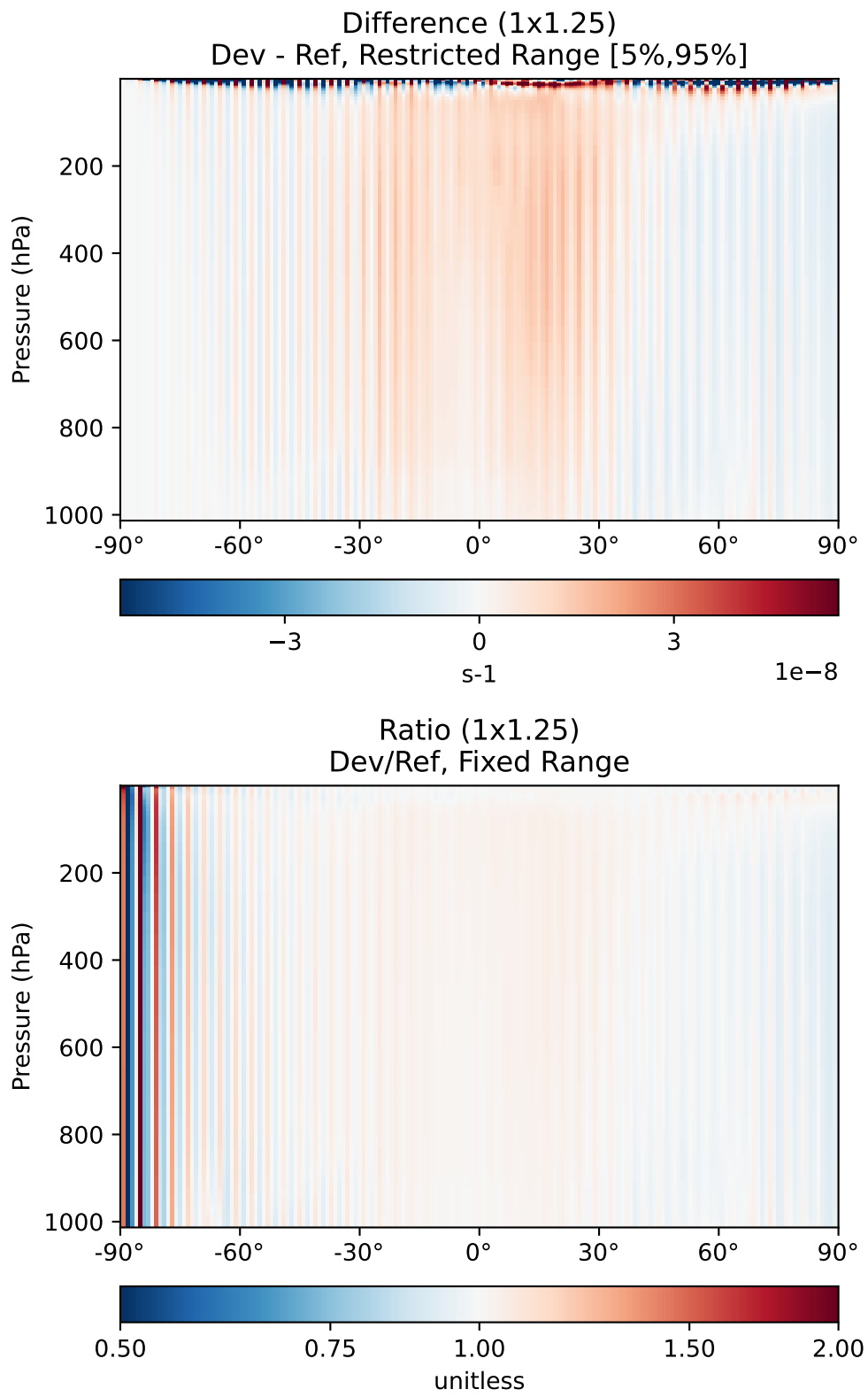


Jval_HNO3, Zonal Mean (Apr2019)

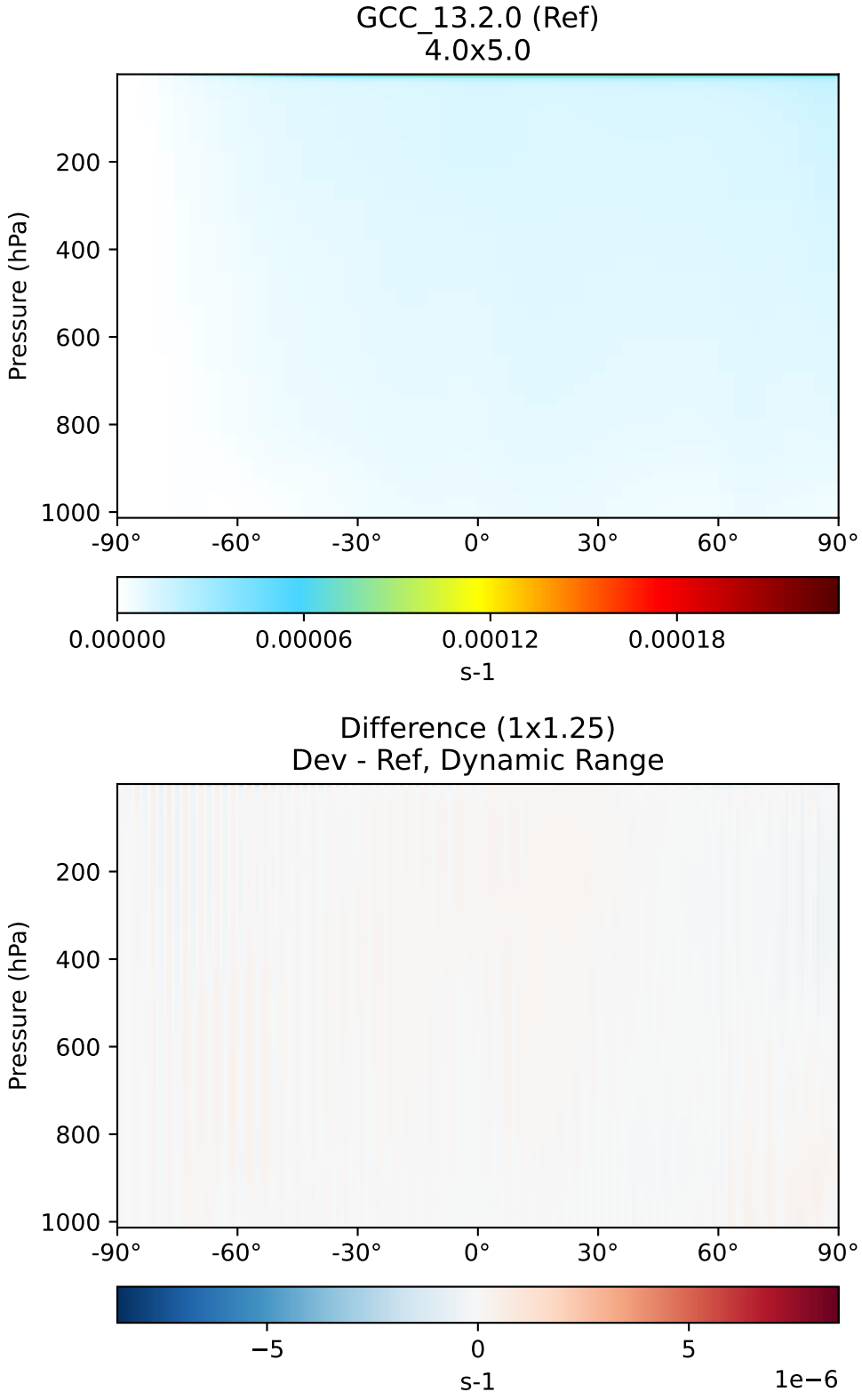


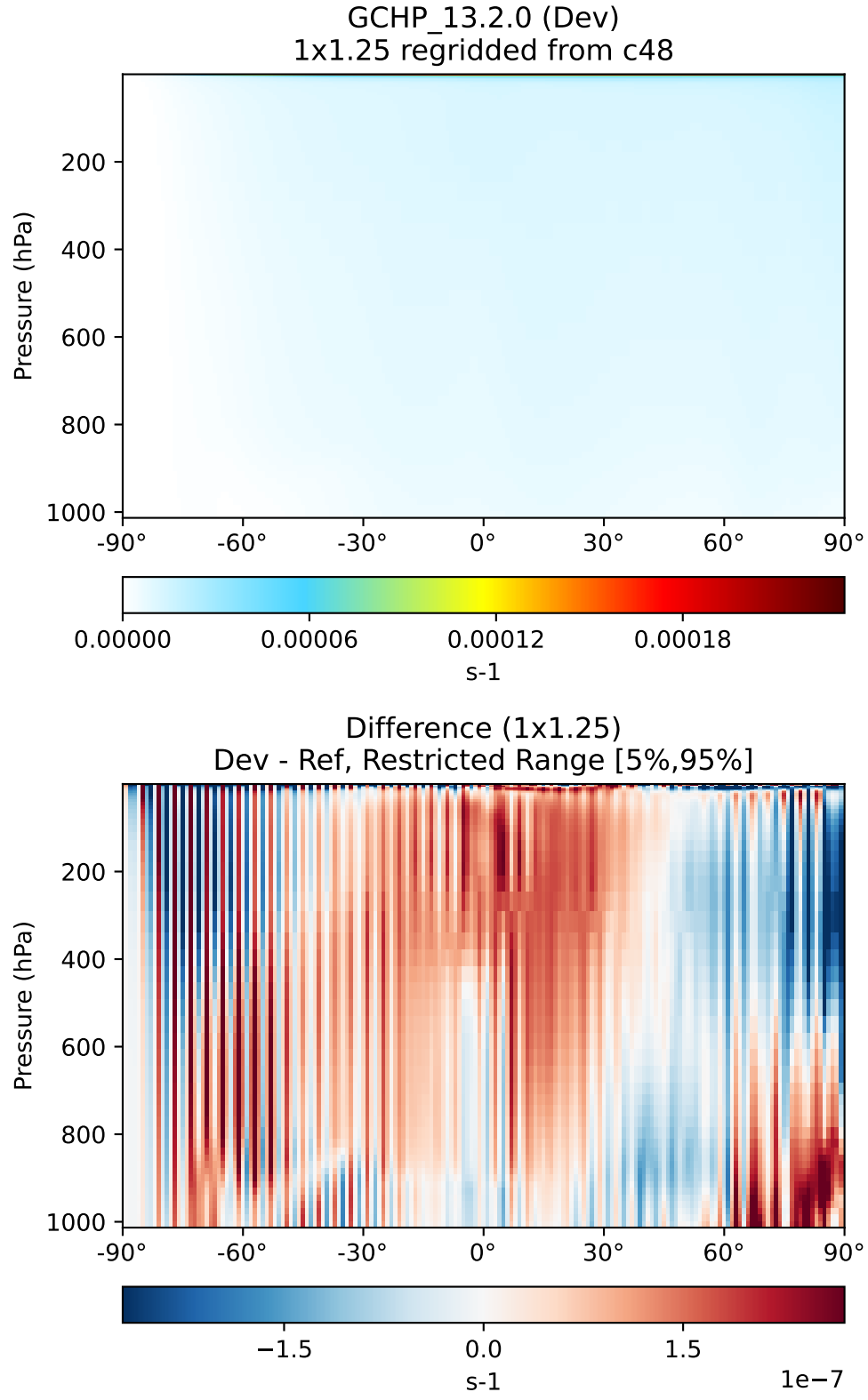


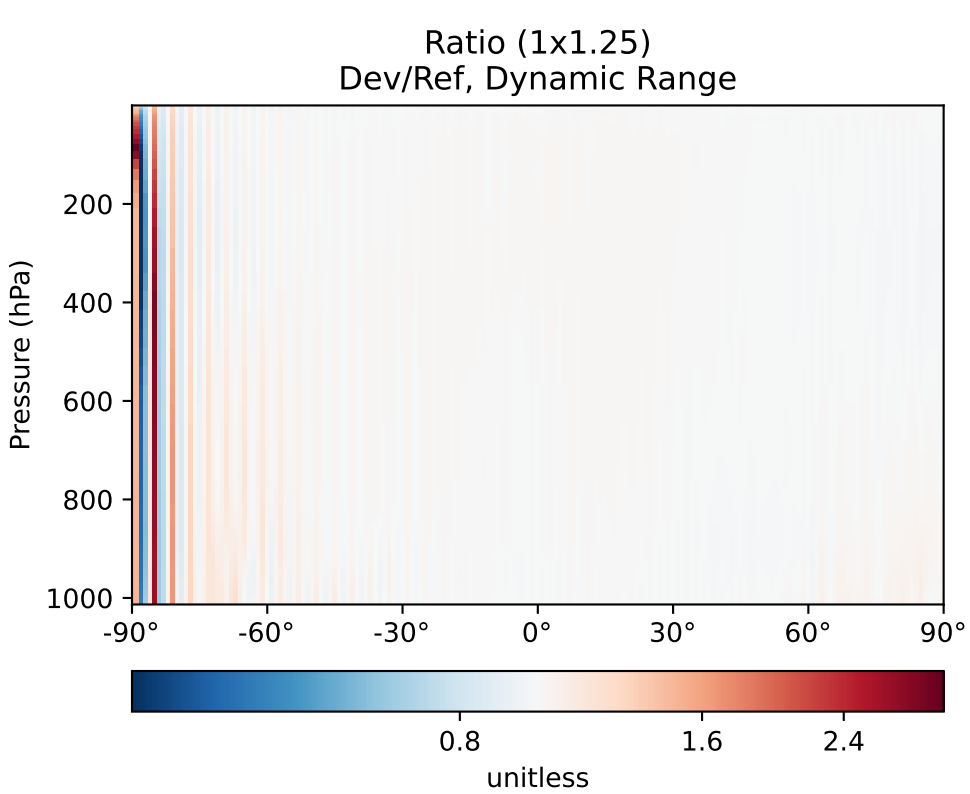


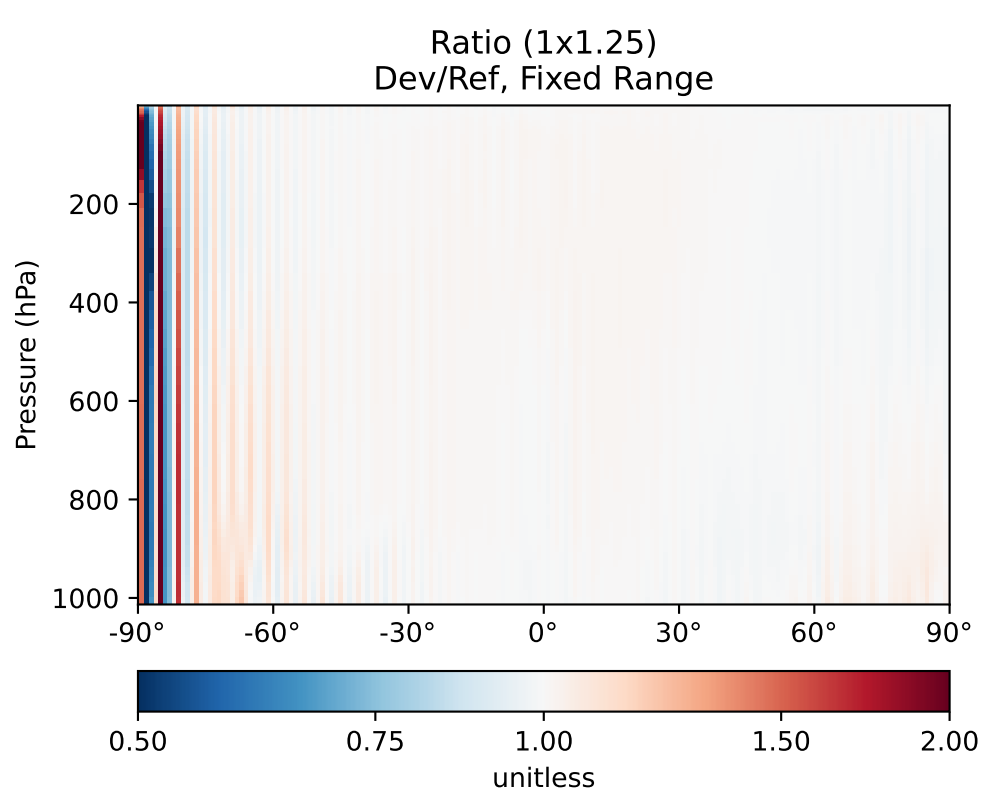


Jval_HNO4, Zonal Mean (Apr2019)

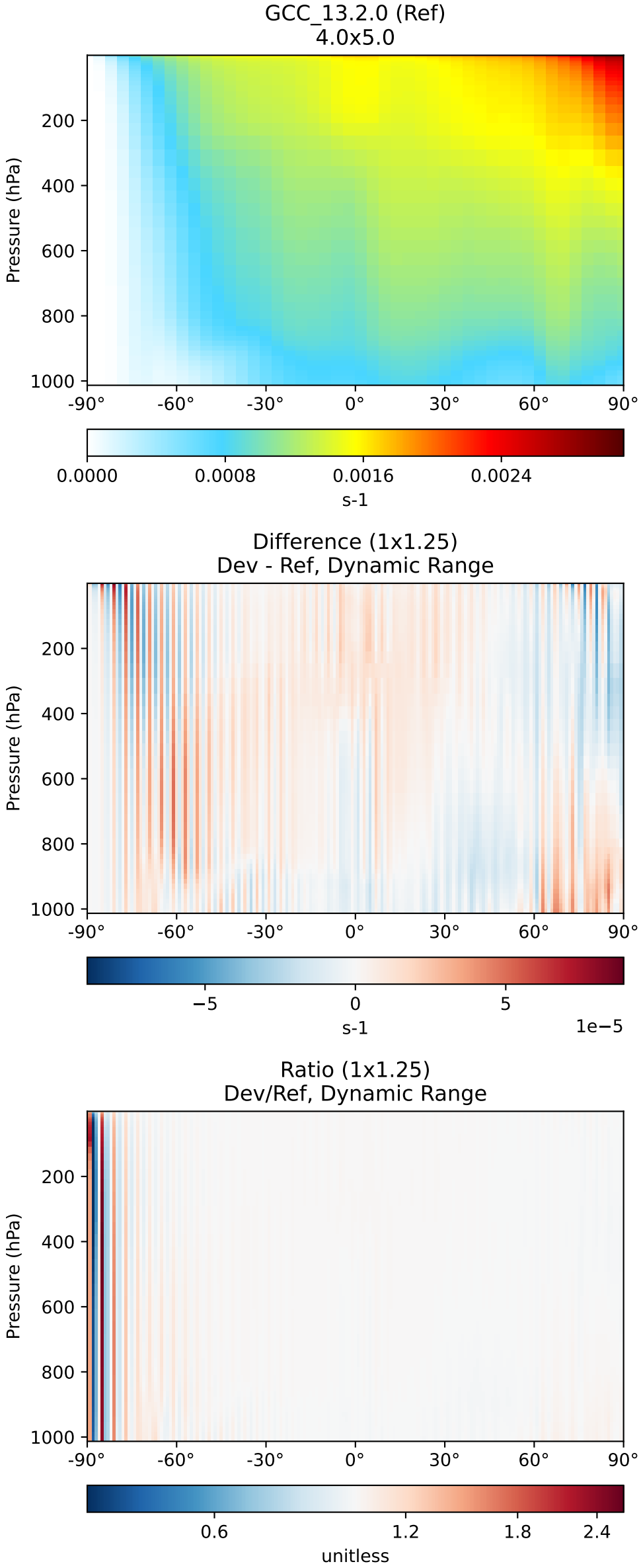


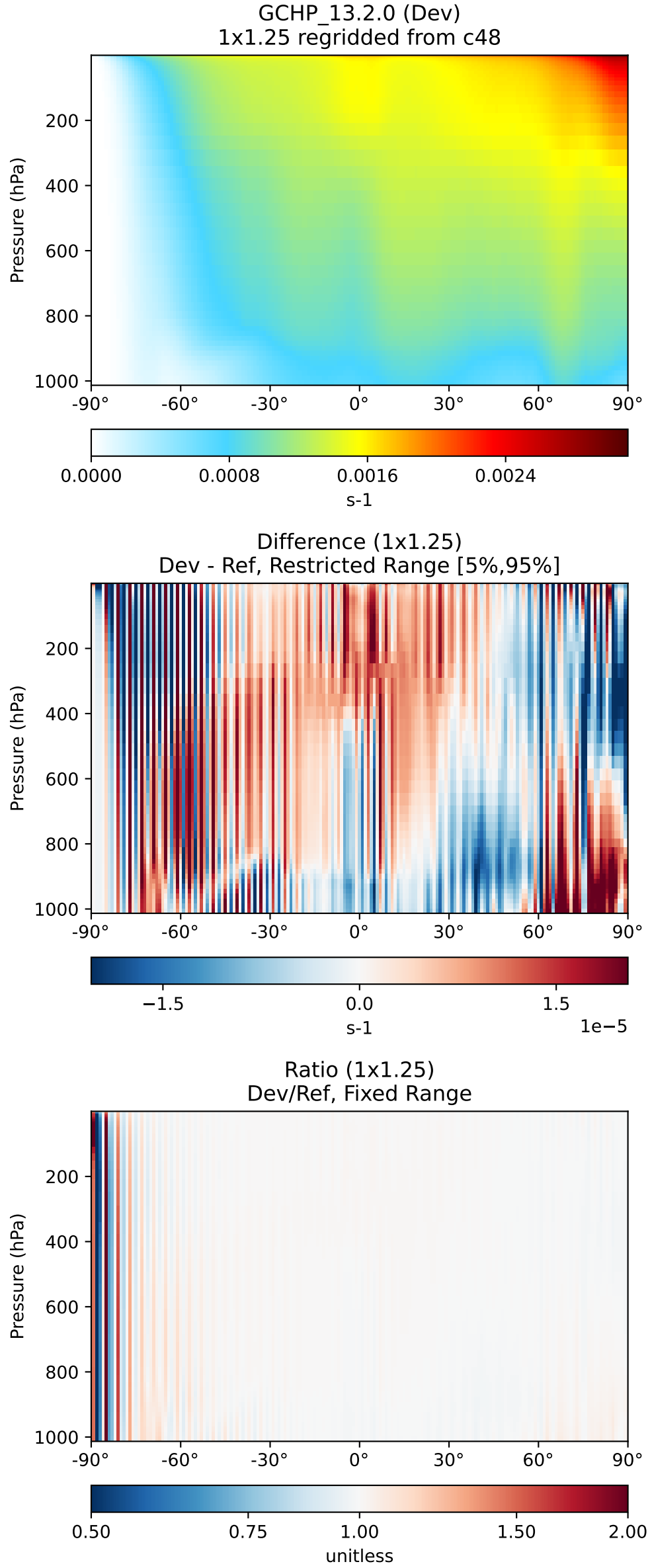




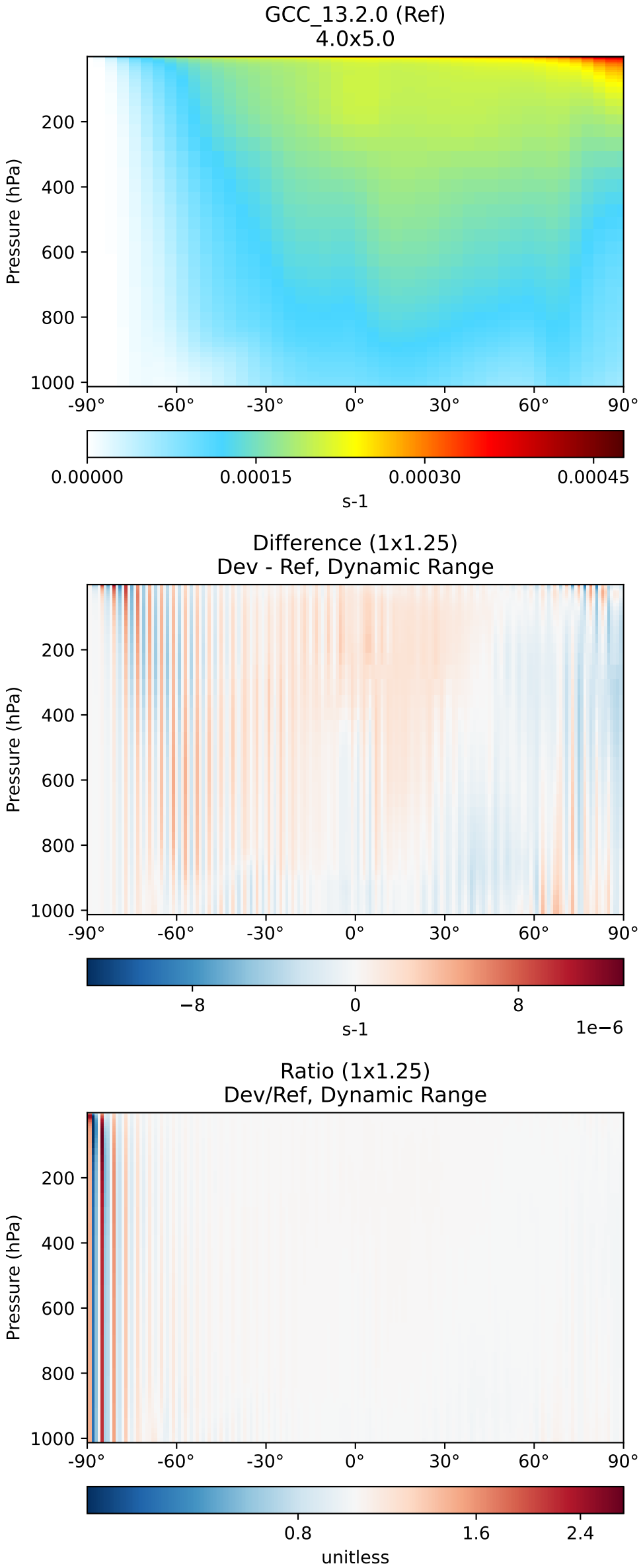


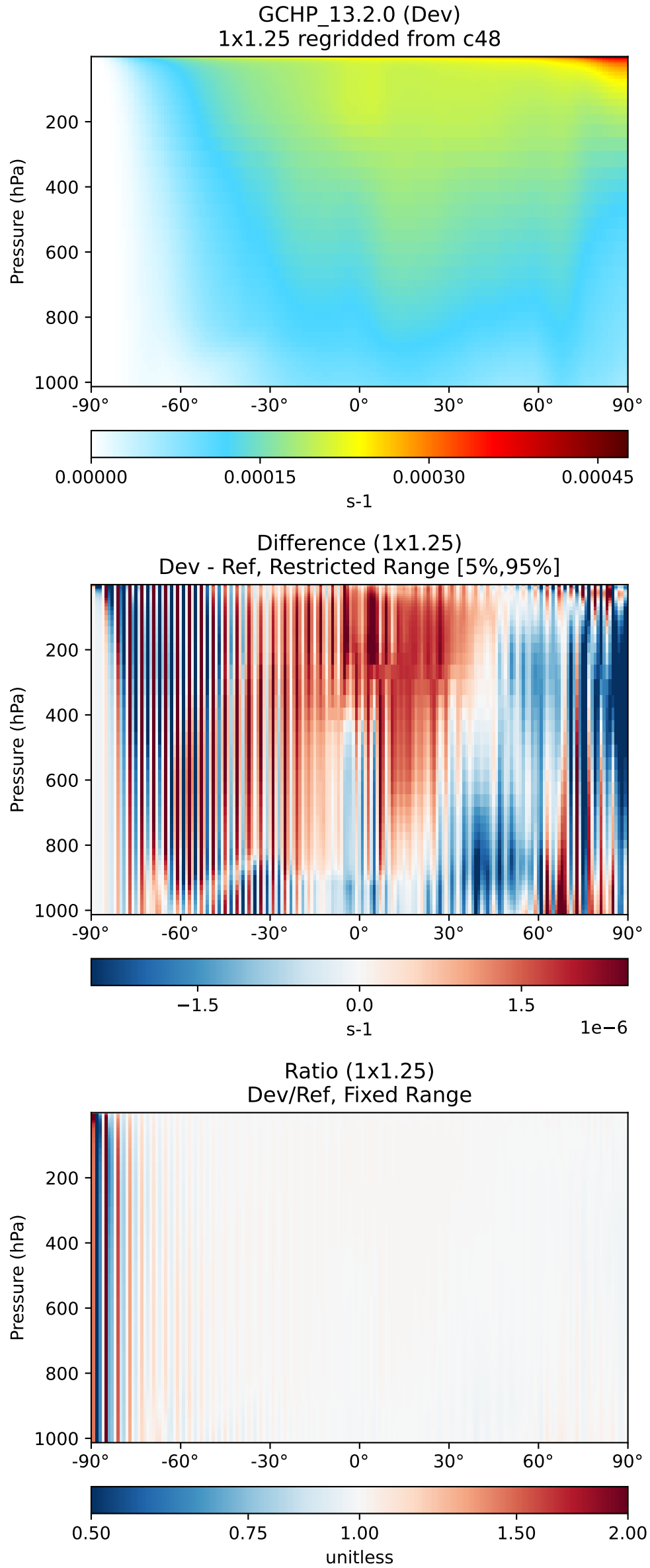
Jval_HOBr, Zonal Mean (Apr2019)



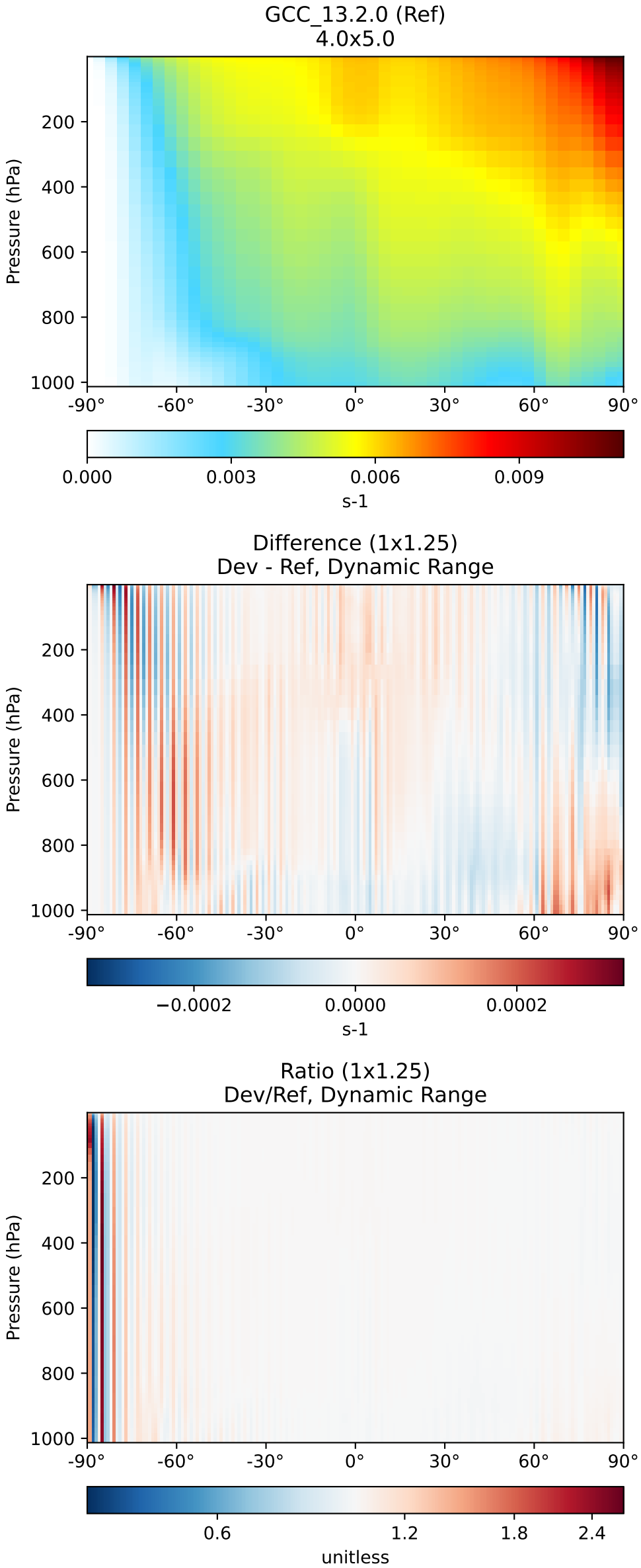


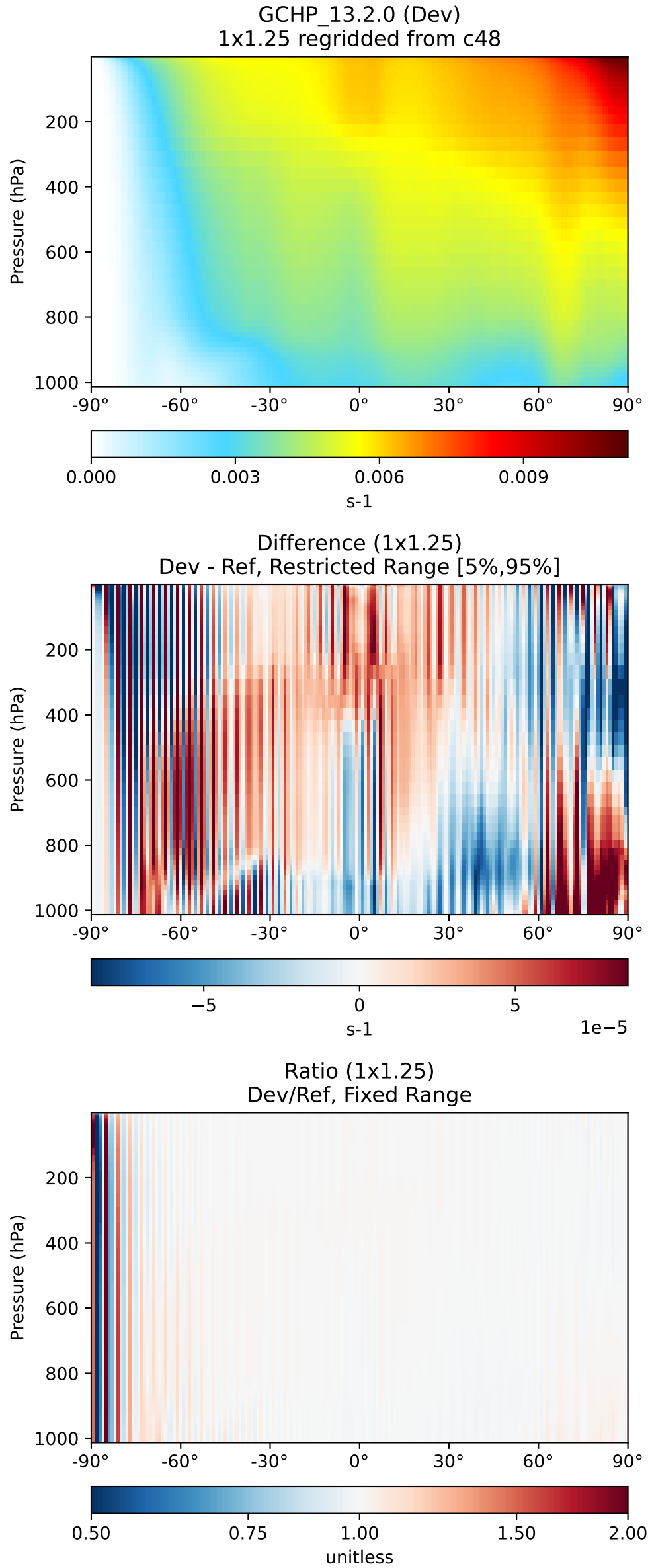
Jval_HOCl, Zonal Mean (Apr2019)



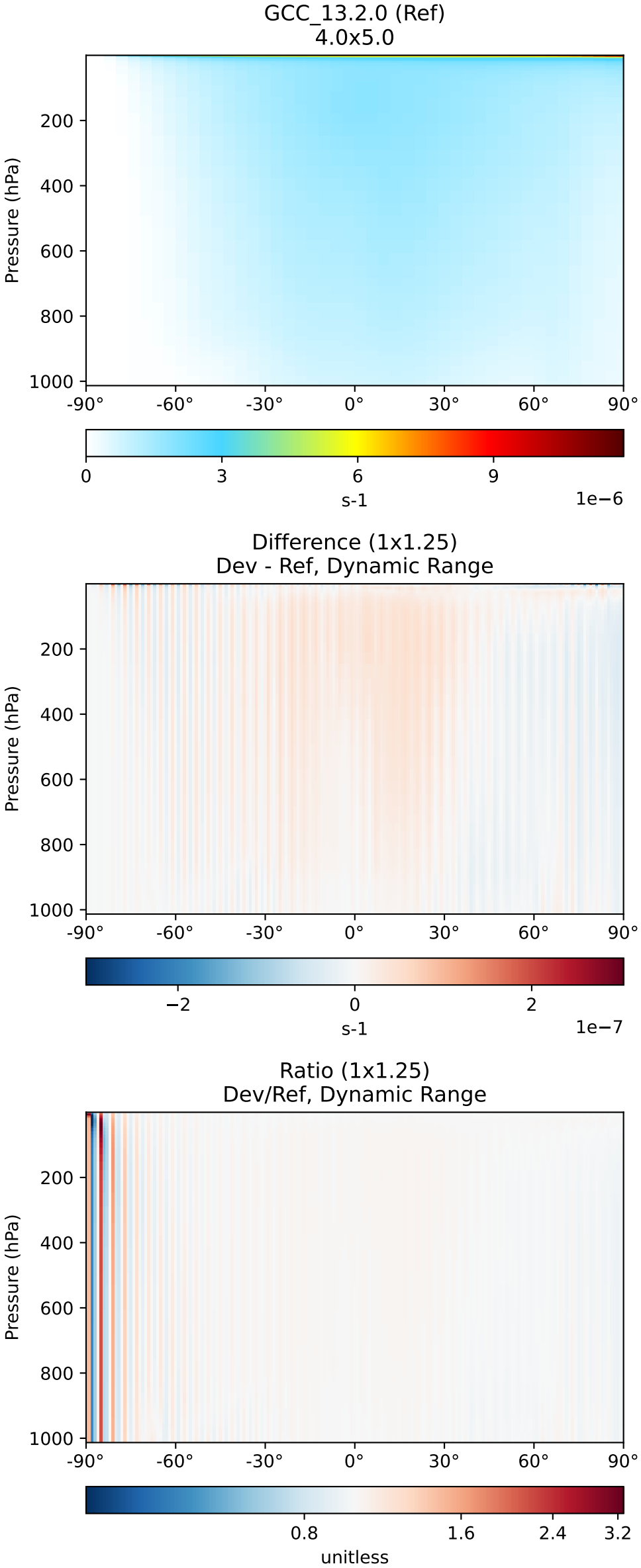


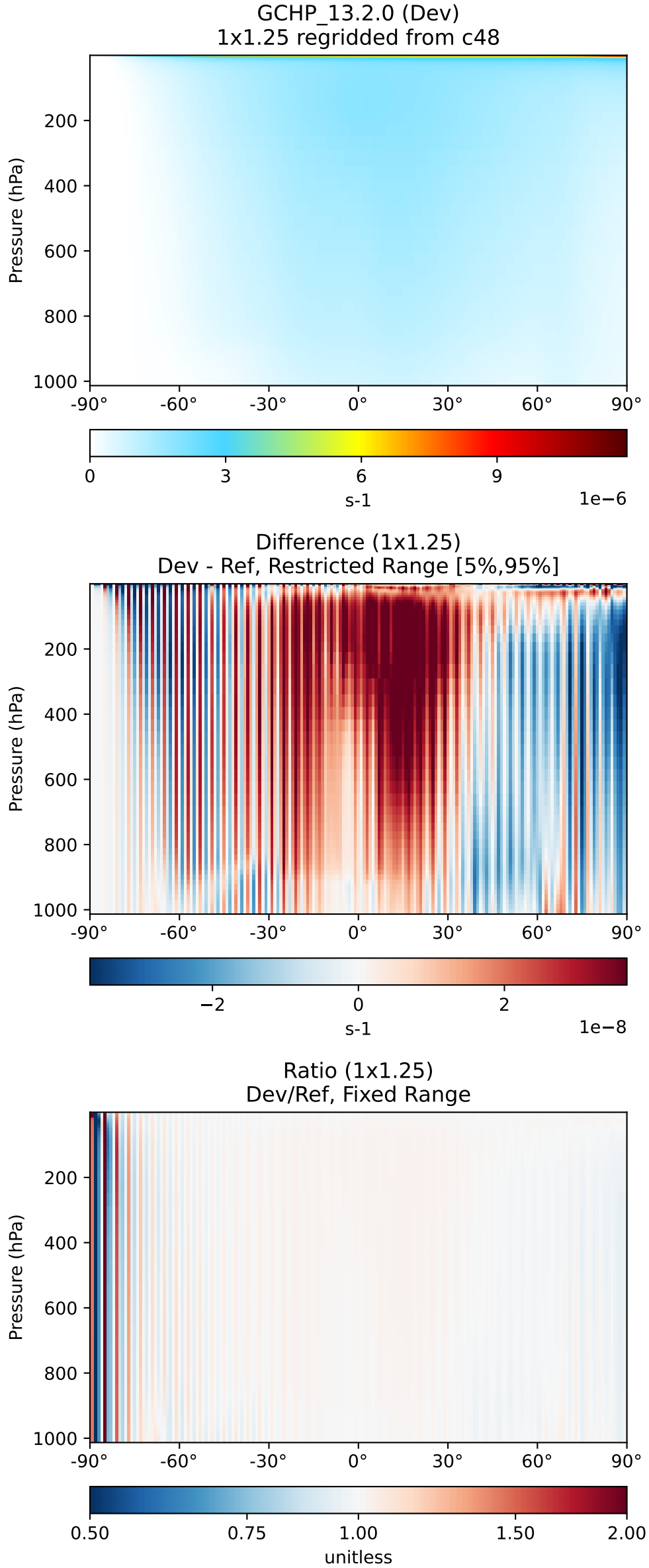
Jval_HOI, Zonal Mean (Apr2019)



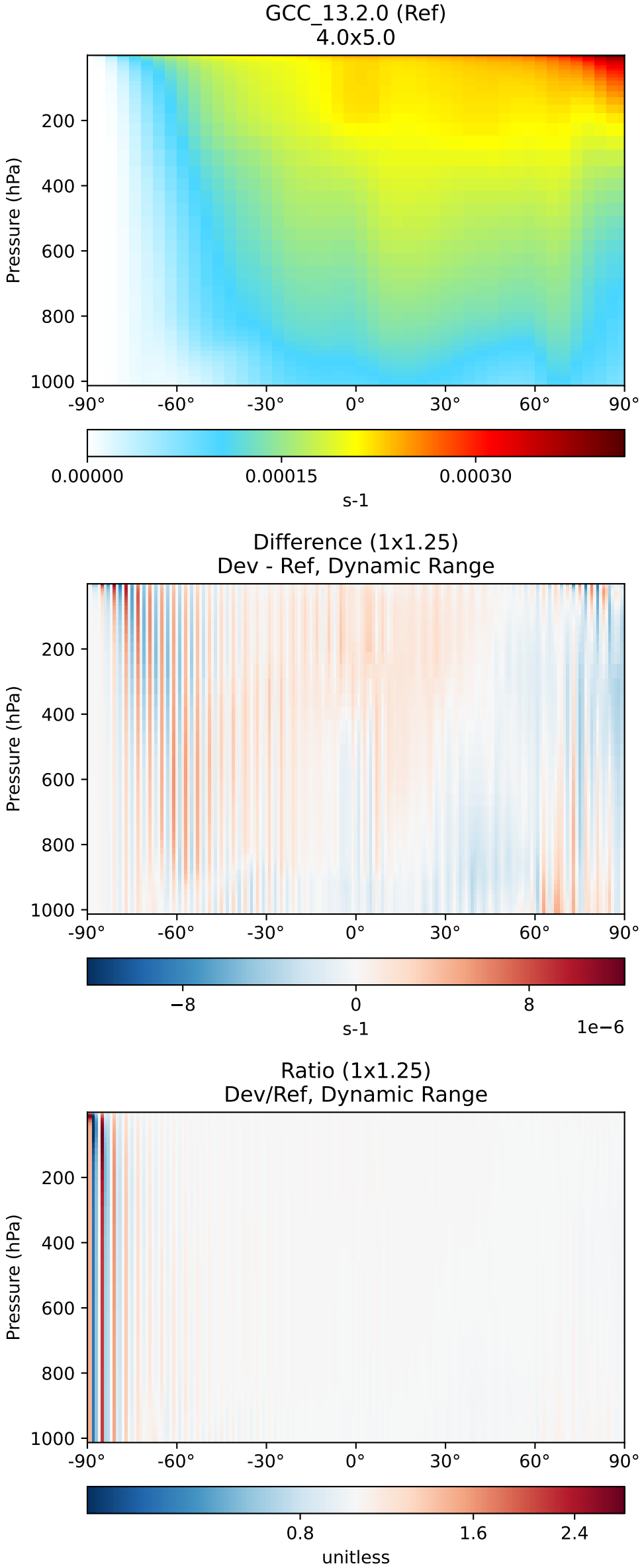


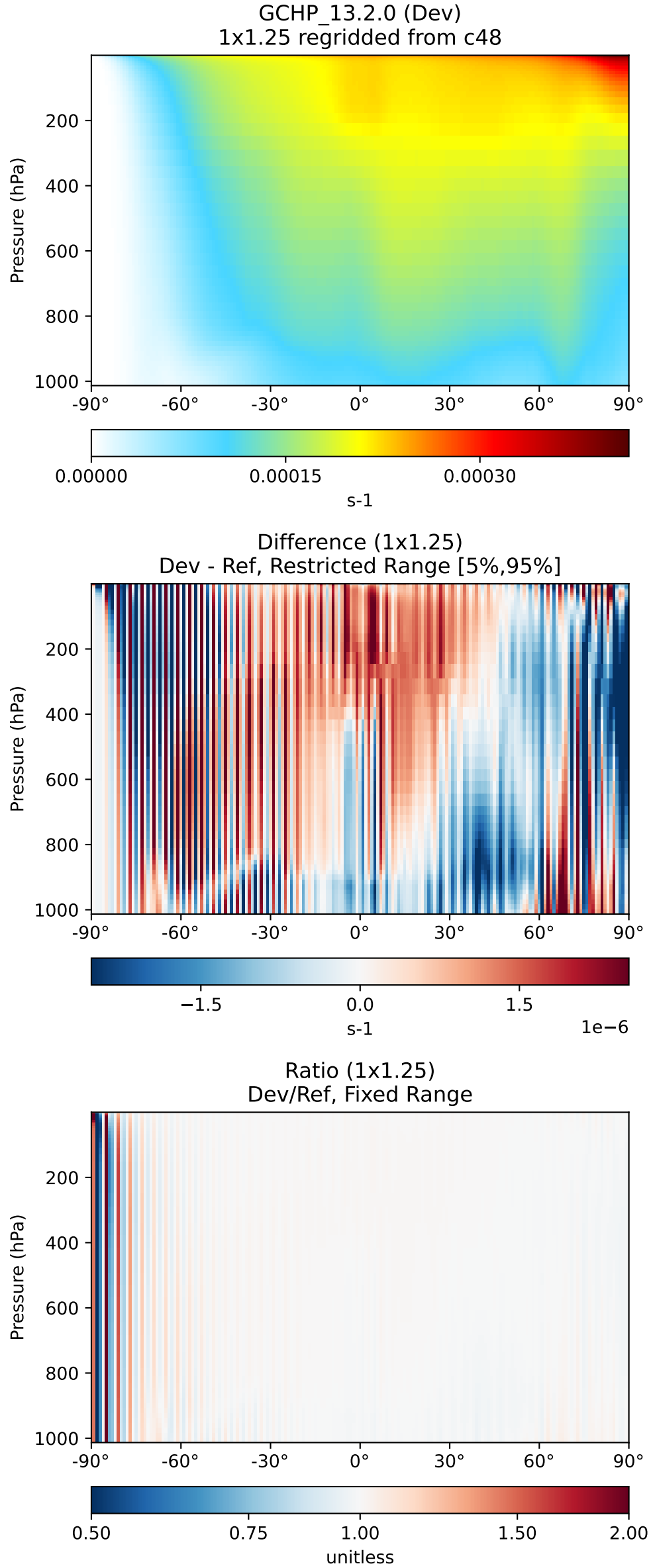
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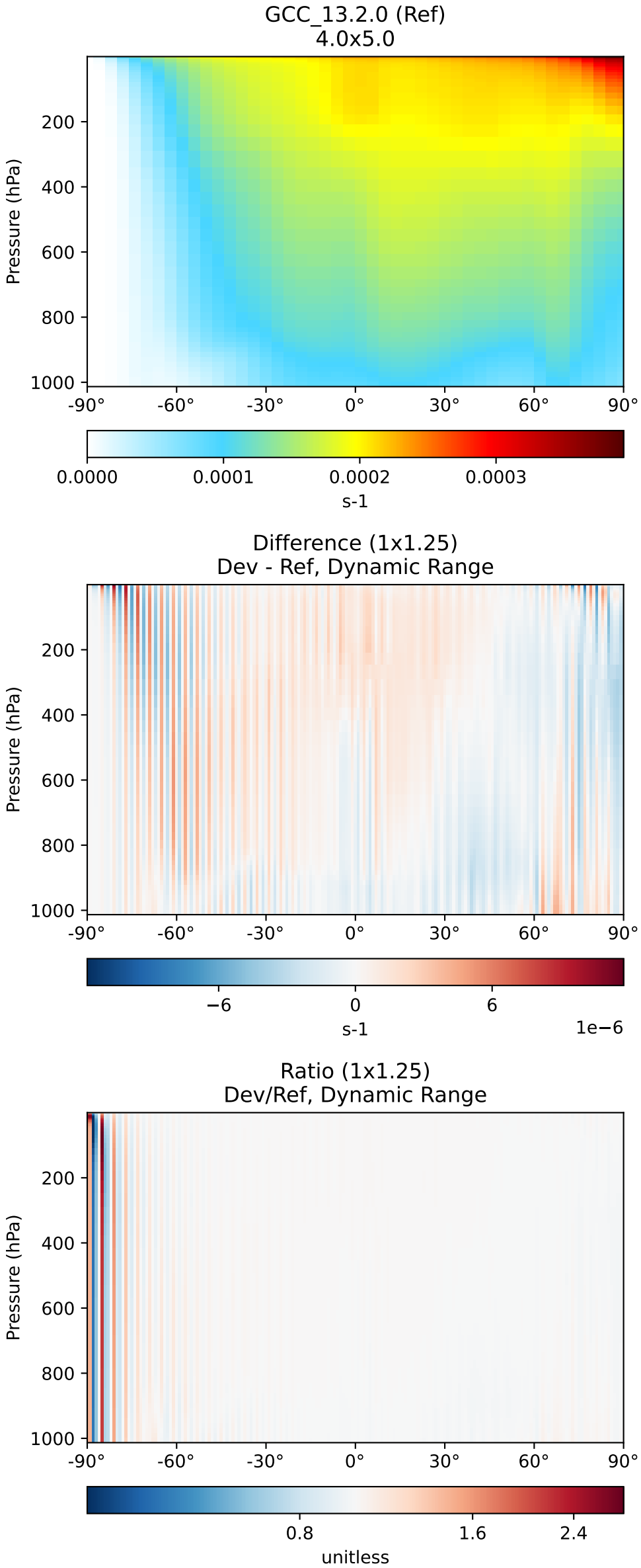


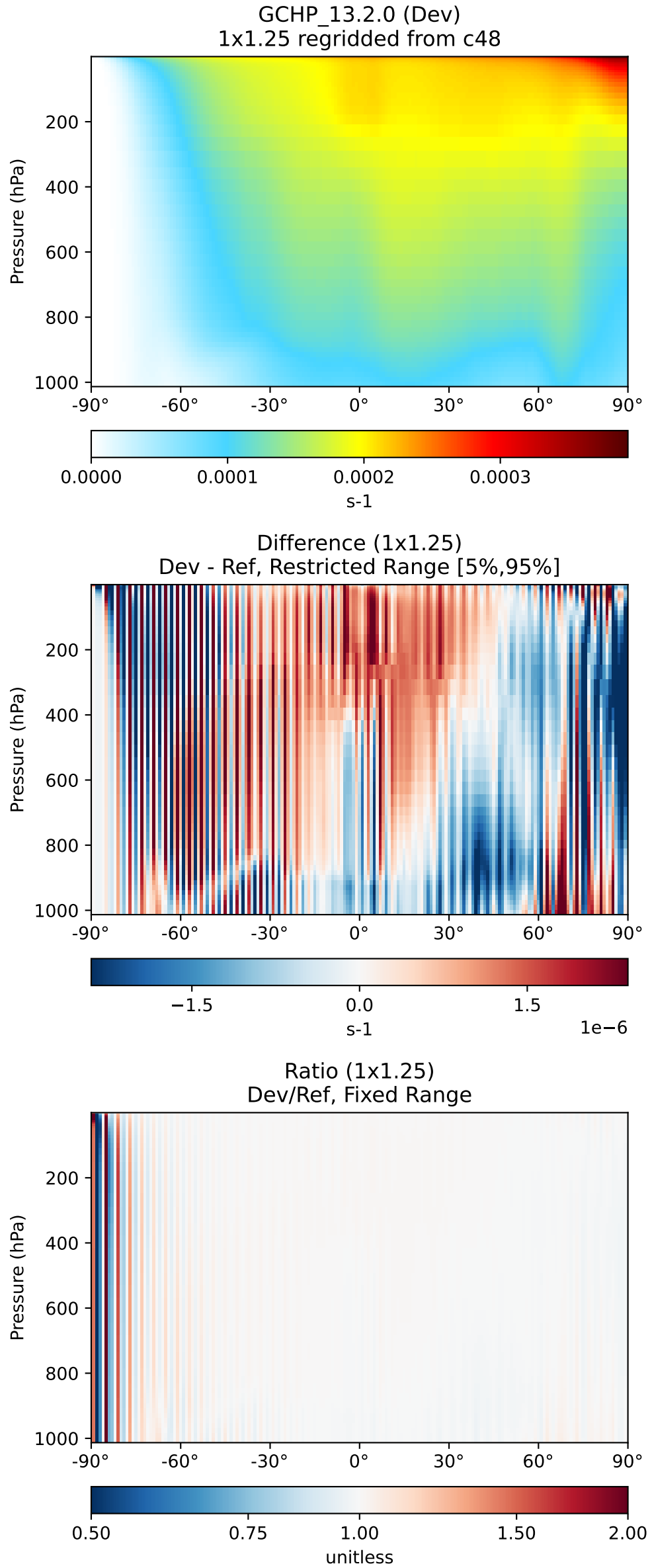
Jval_HPALD1, Zonal Mean (Apr2019)



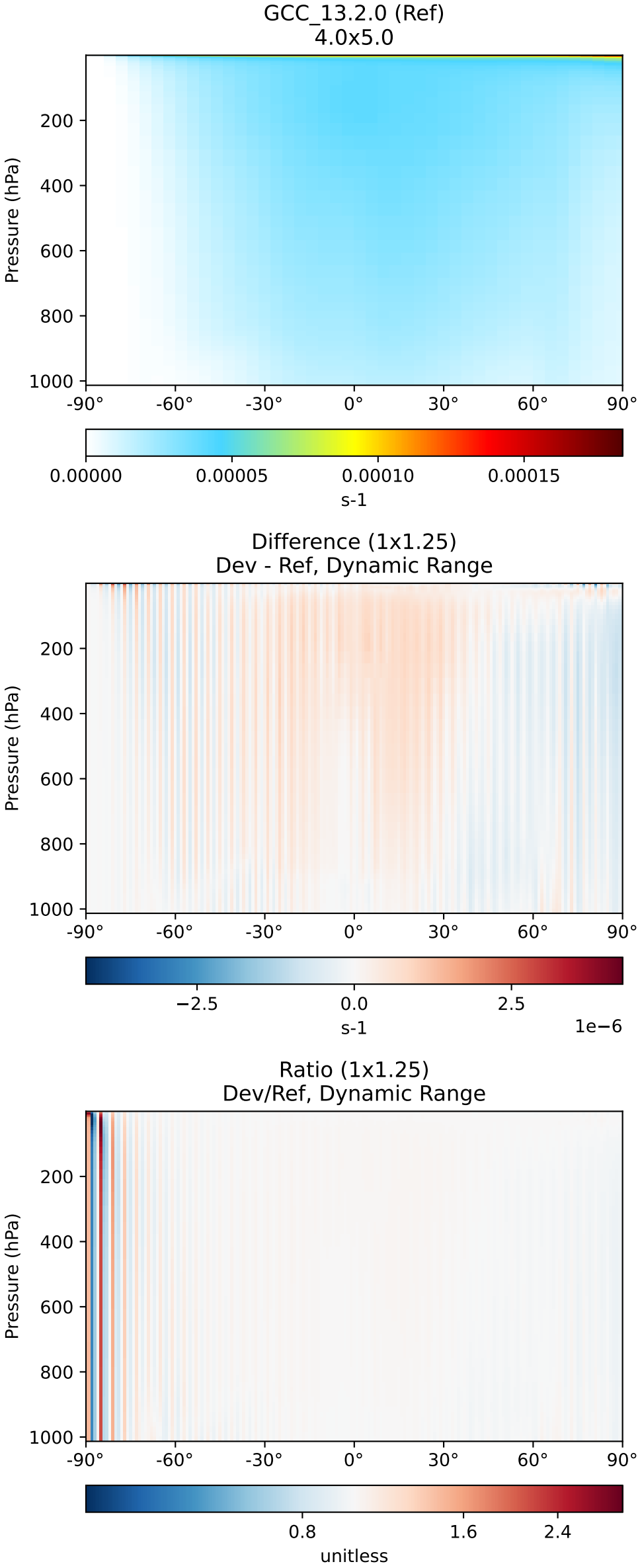


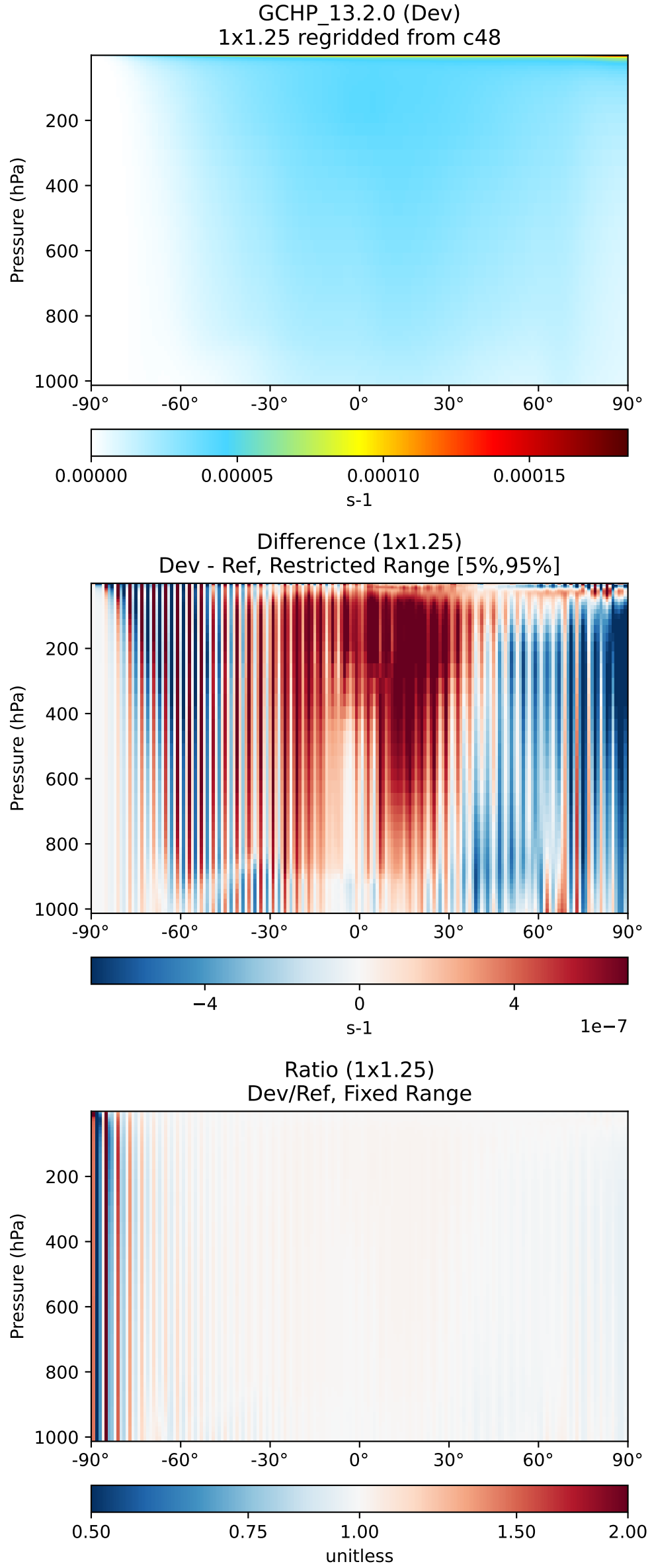
Jval_HPALD2, Zonal Mean (Apr2019)



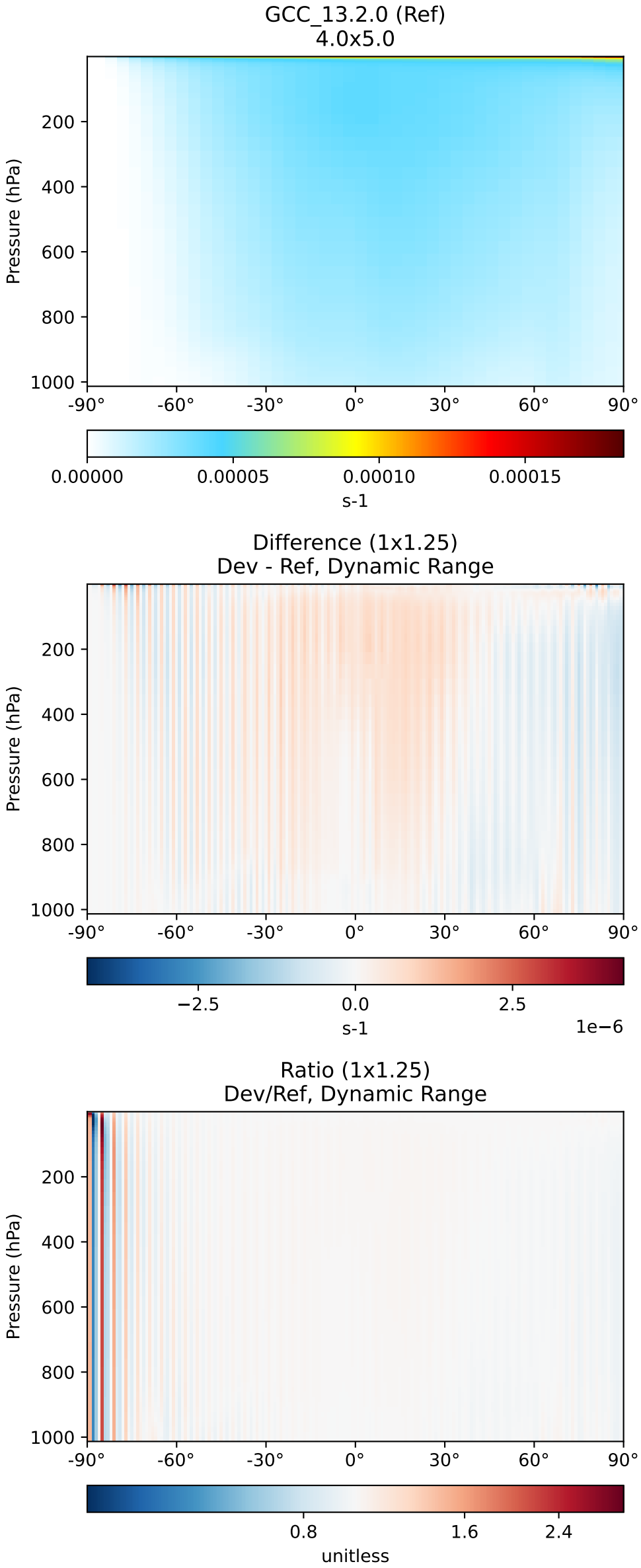


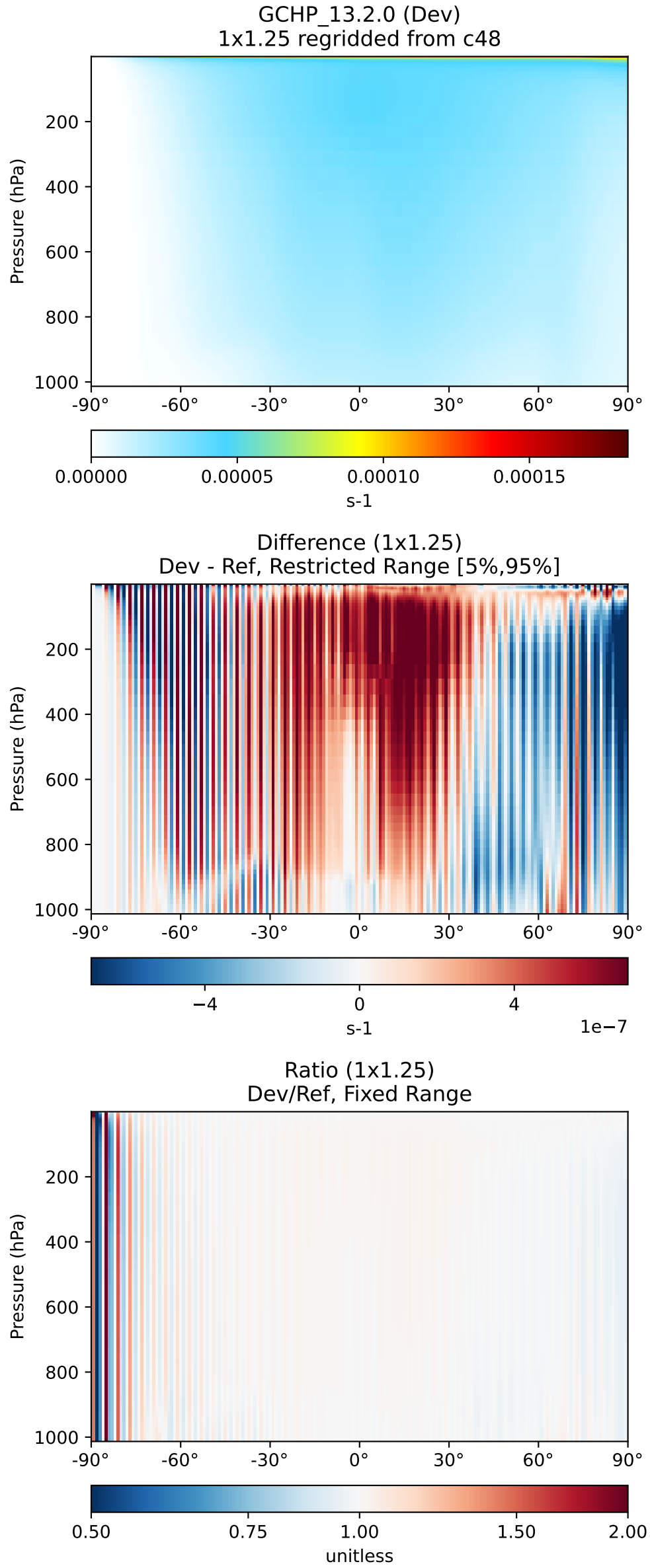
Jval_HPALD3, Zonal Mean (Apr2019)



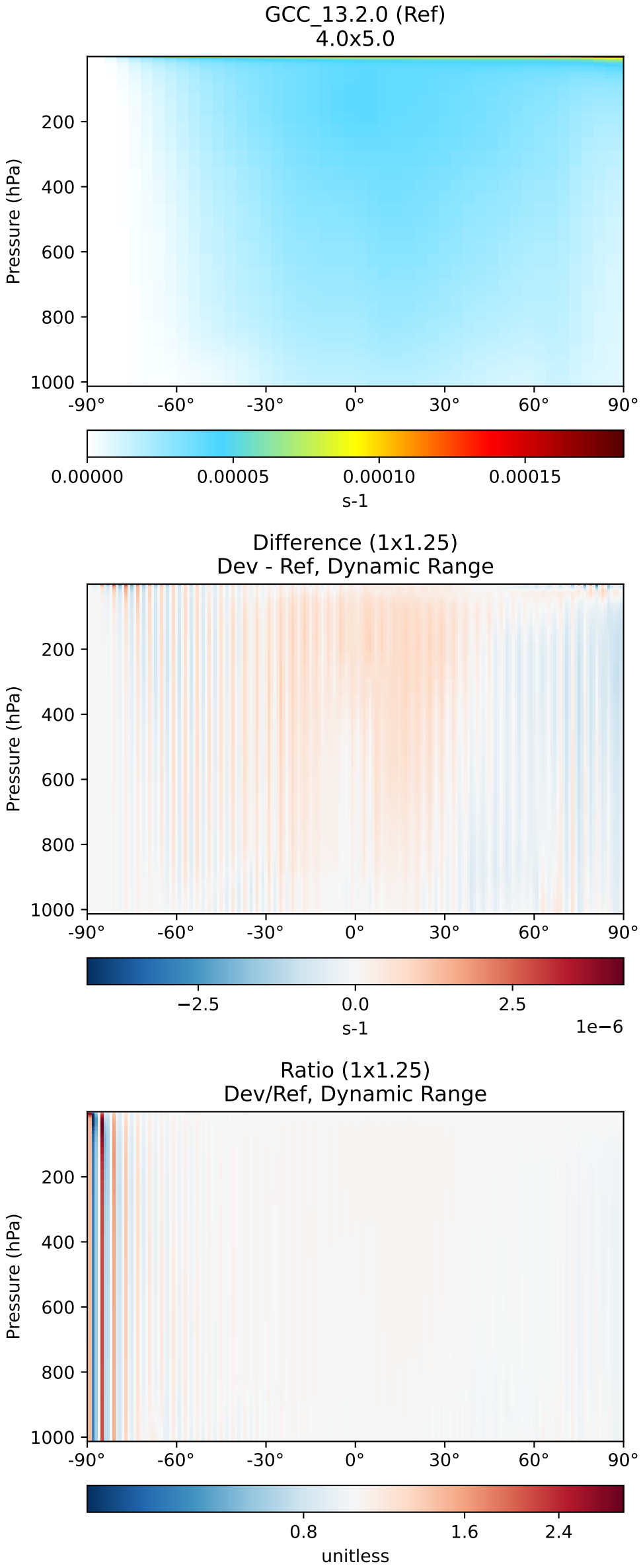


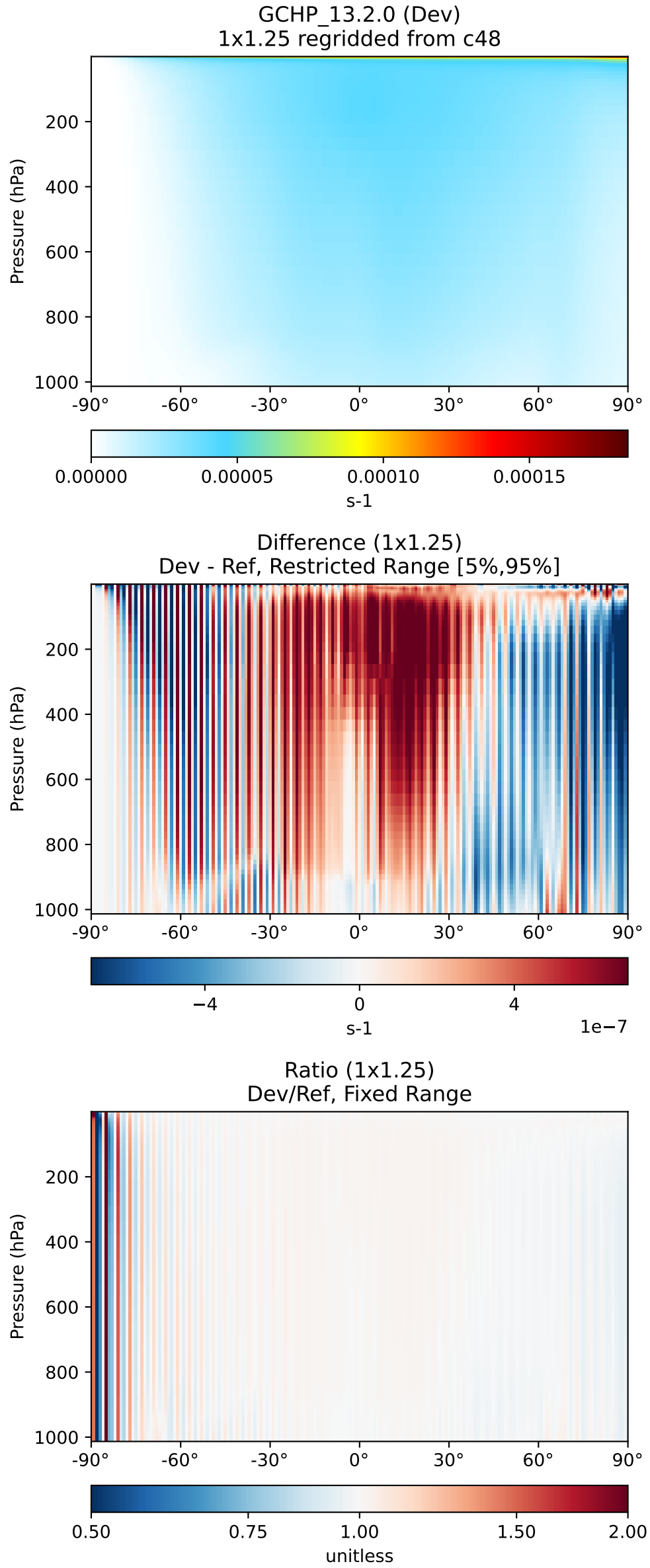
Jval_HPALD4, Zonal Mean (Apr2019)



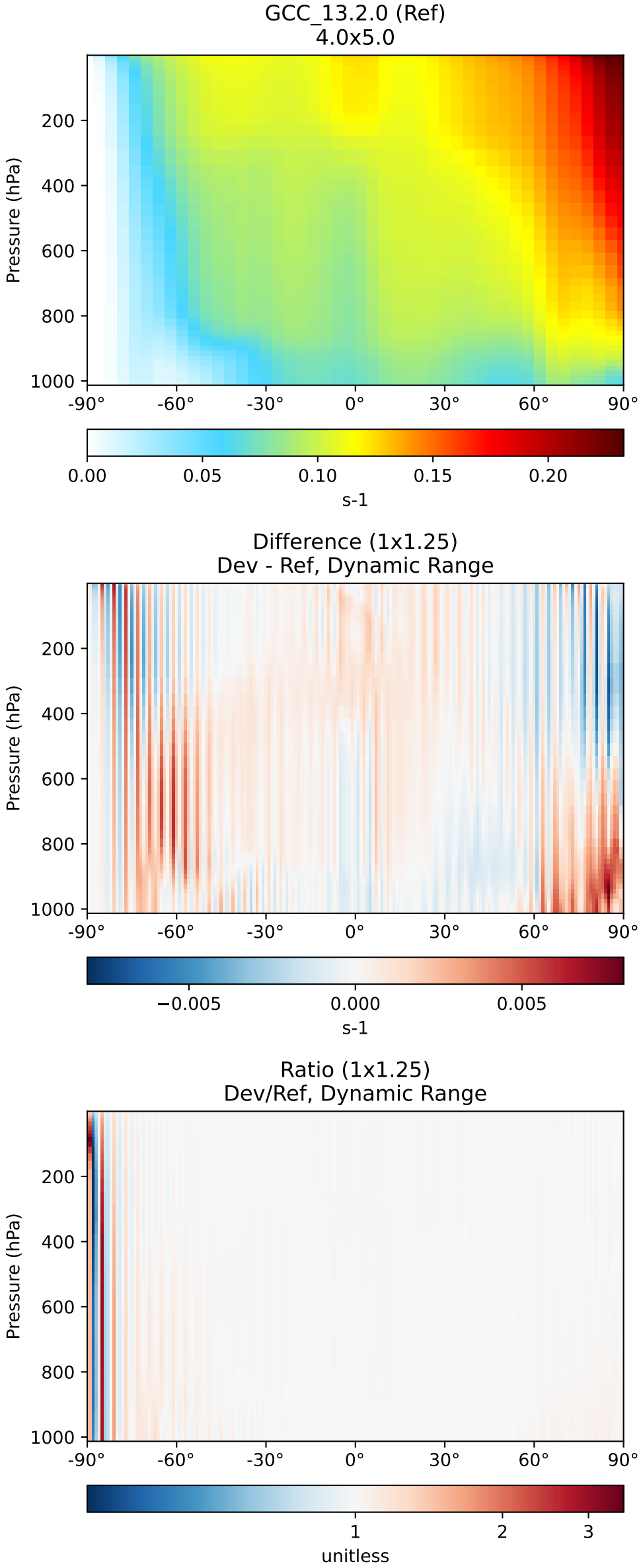


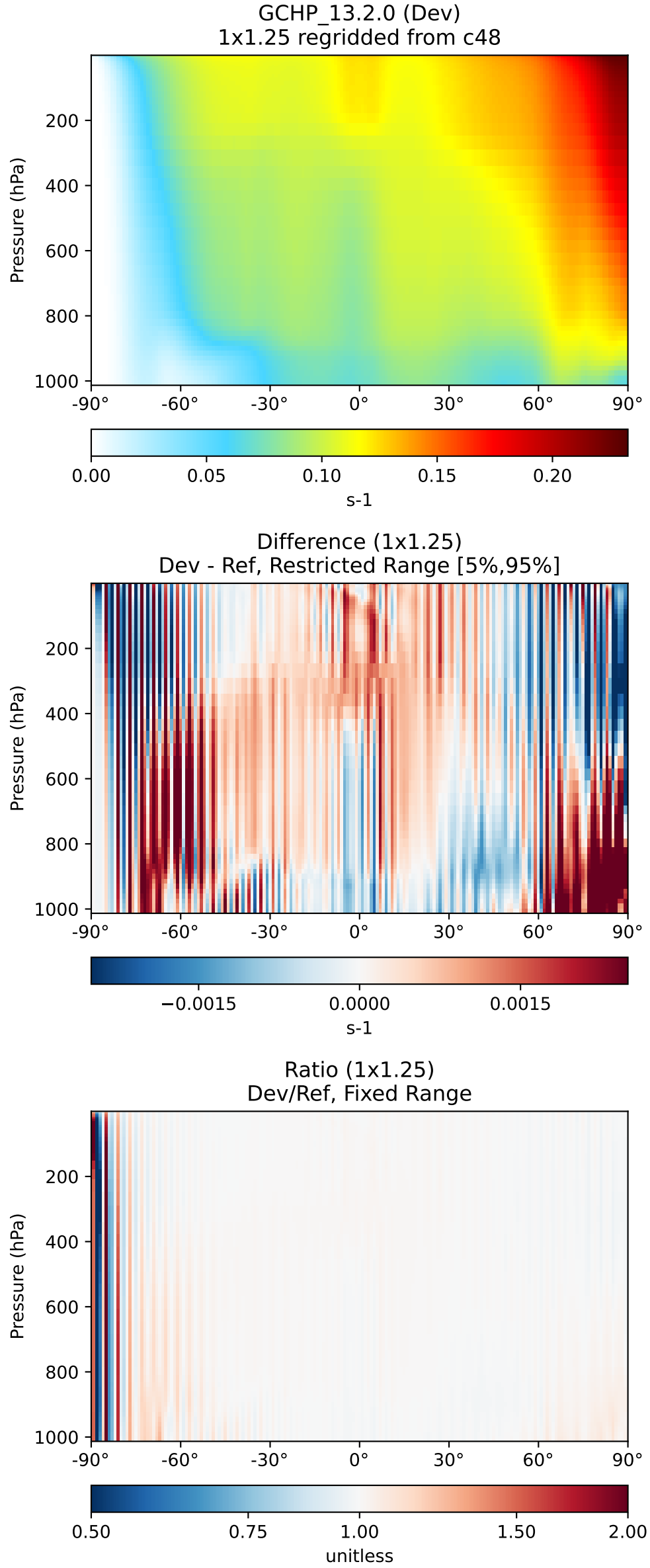
Jval_HPETHNL, Zonal Mean (Apr2019)



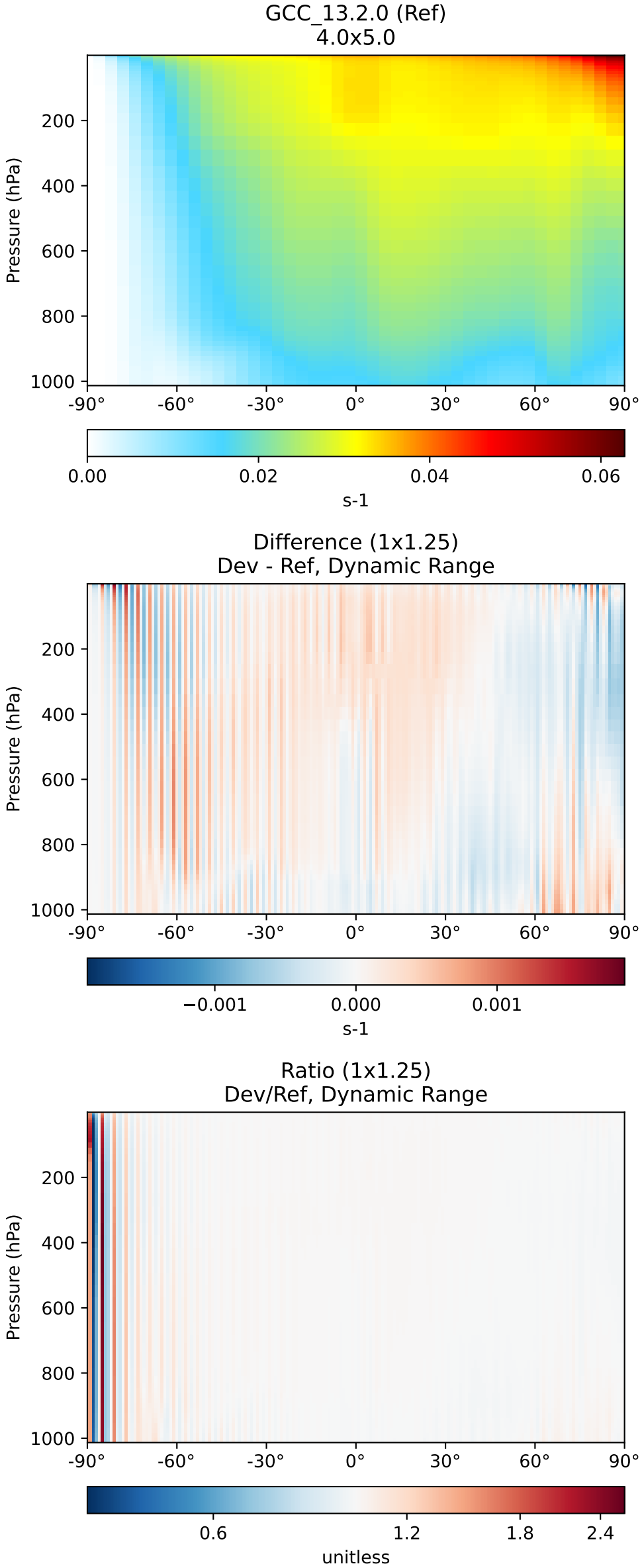


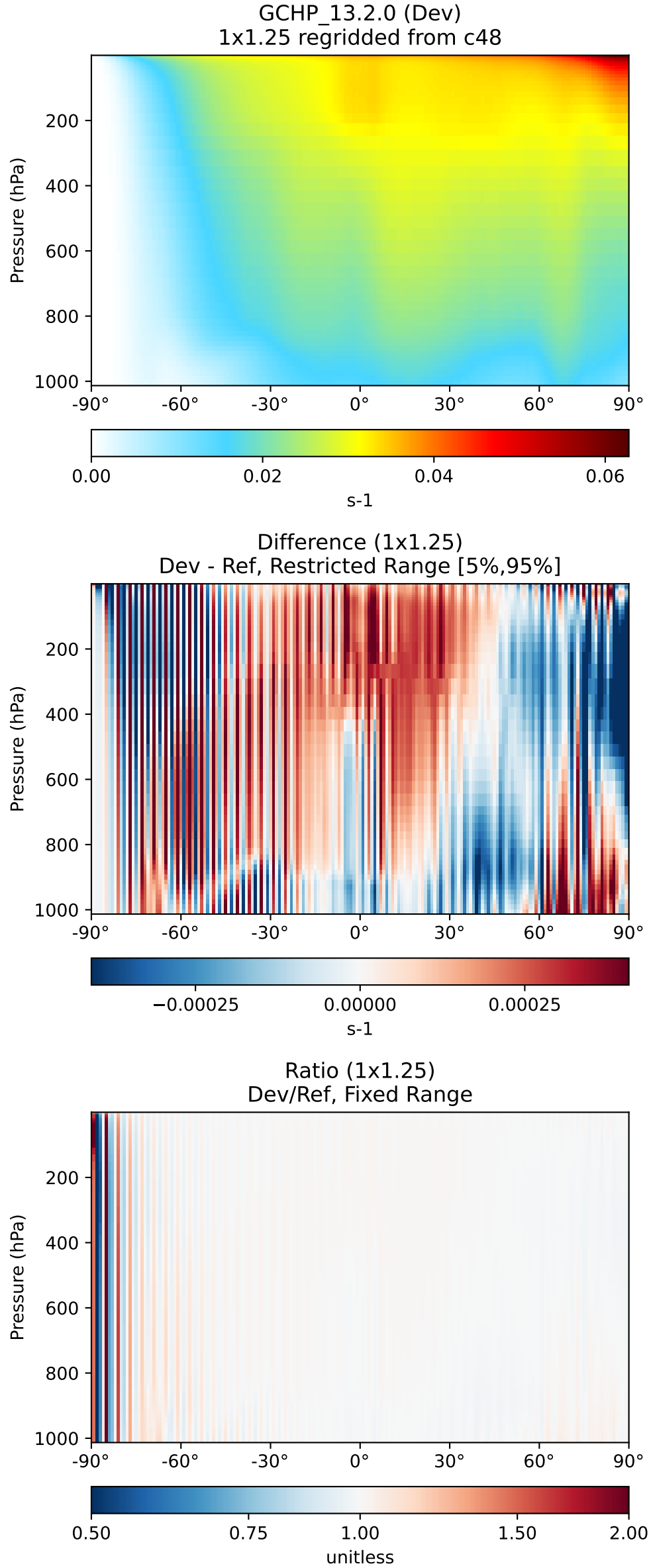
Jval_l2, Zonal Mean (Apr2019)



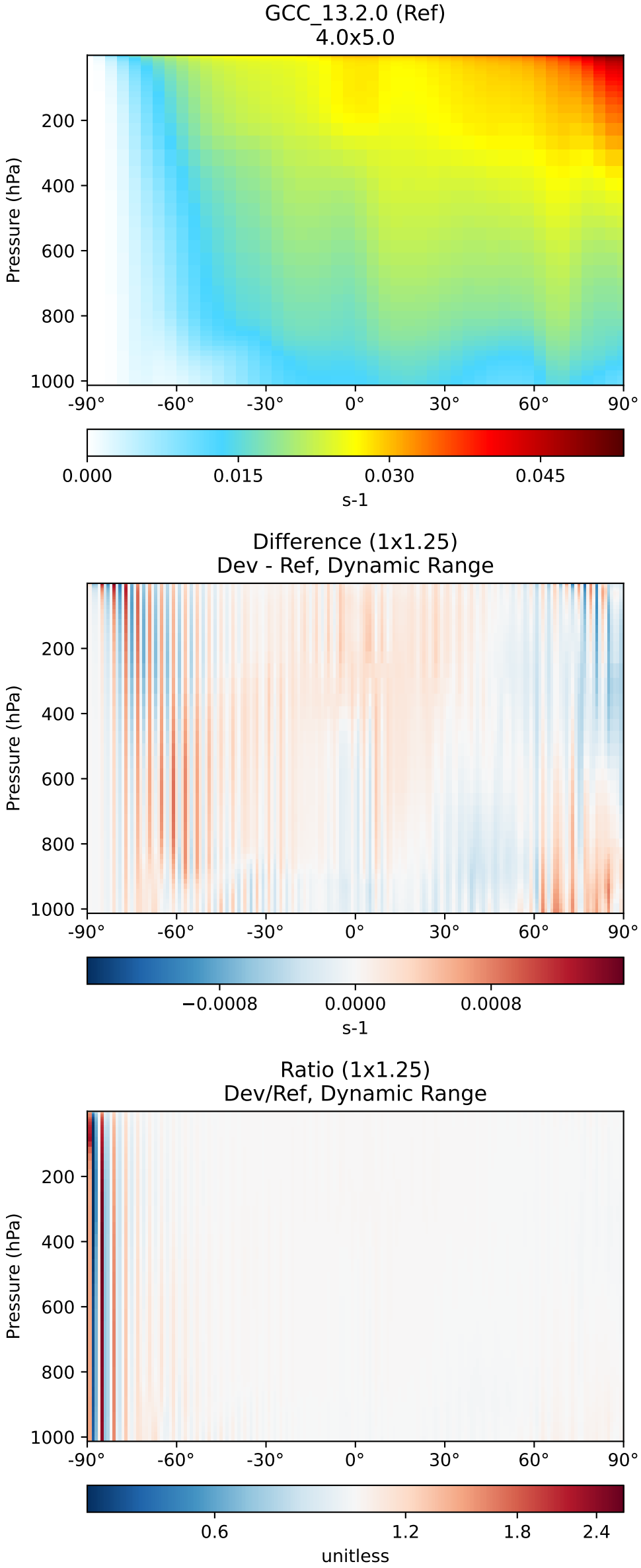


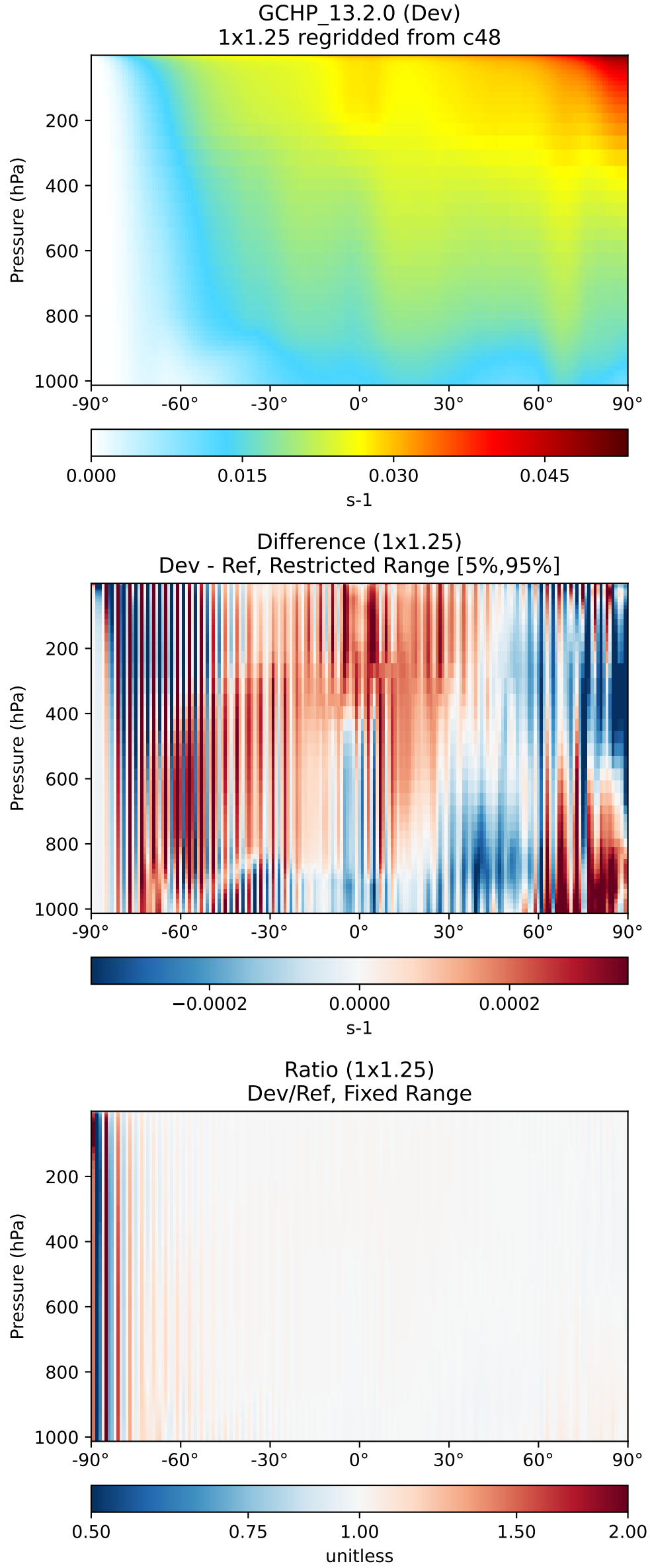
Jval_I2O2, Zonal Mean (Apr2019)



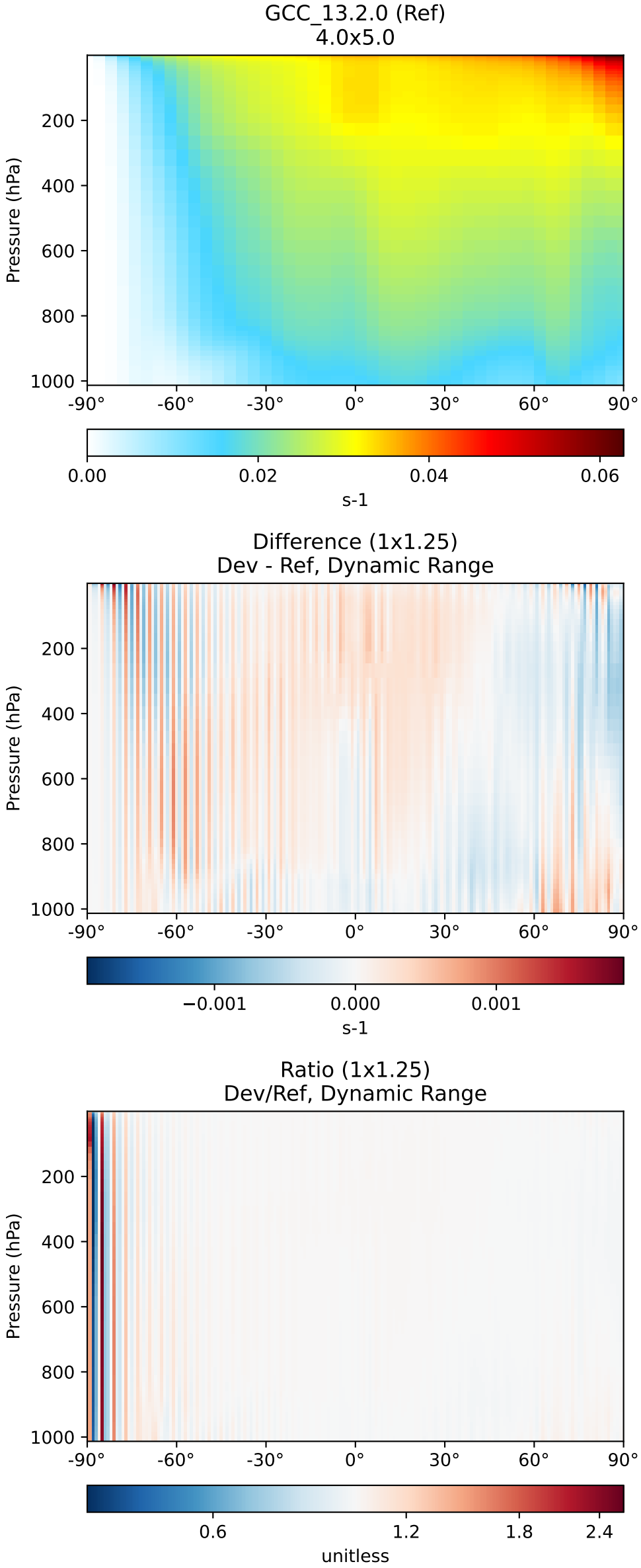


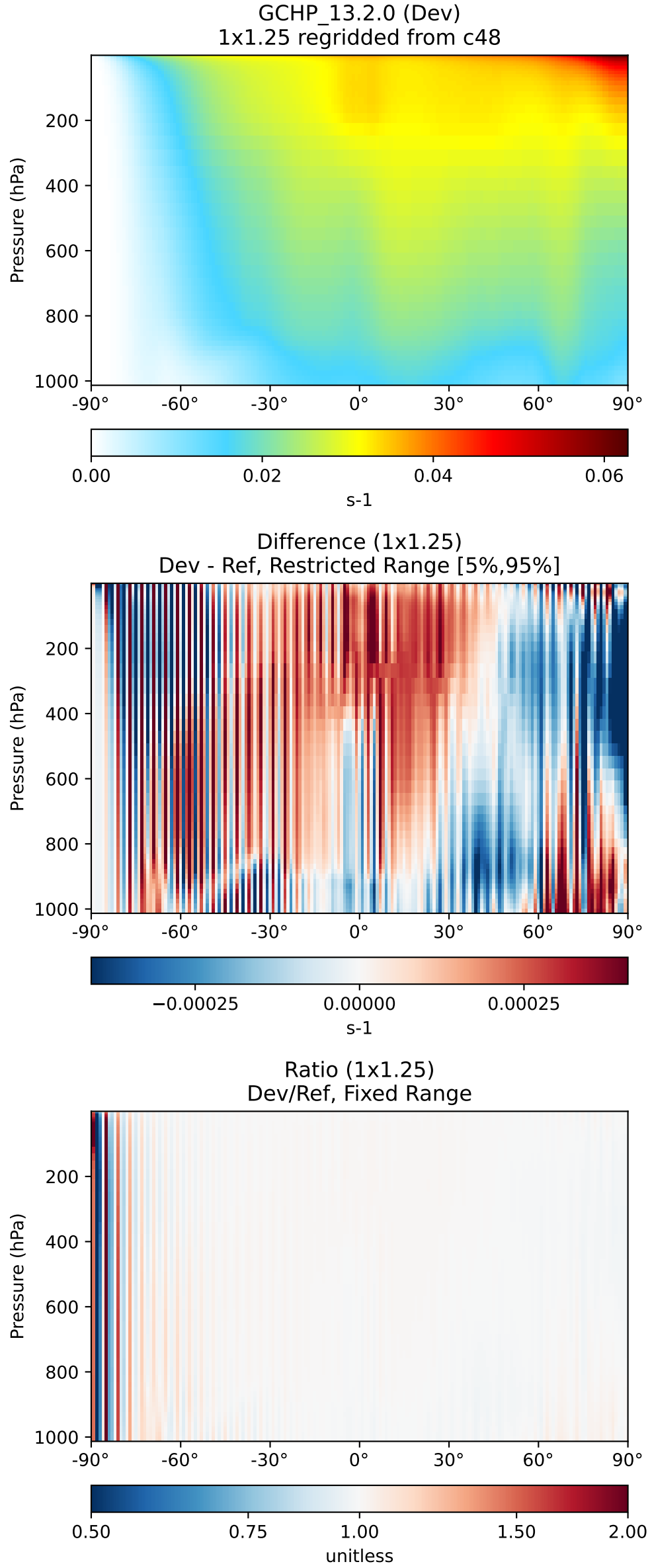
Jval_I2O3, Zonal Mean (Apr2019)



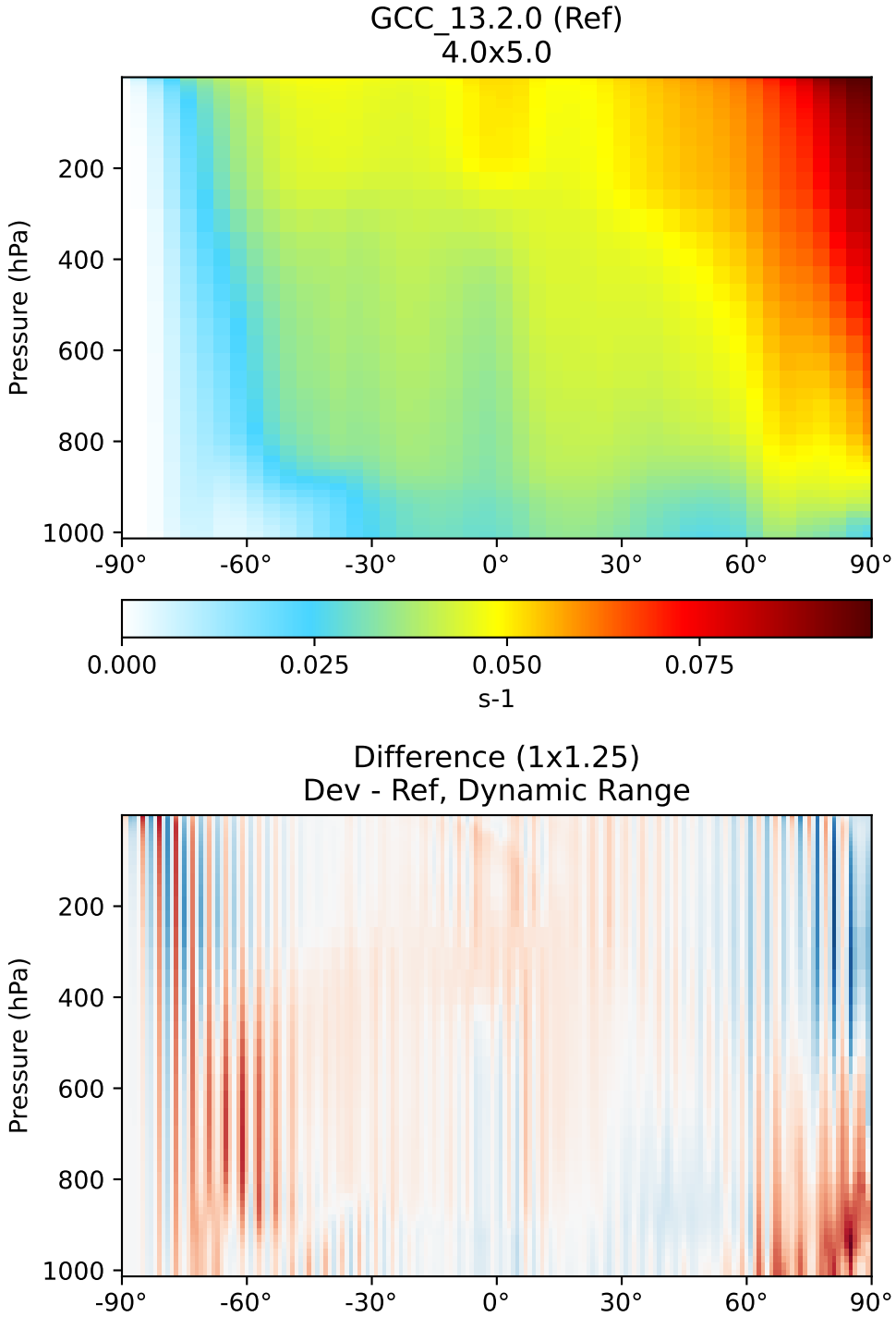


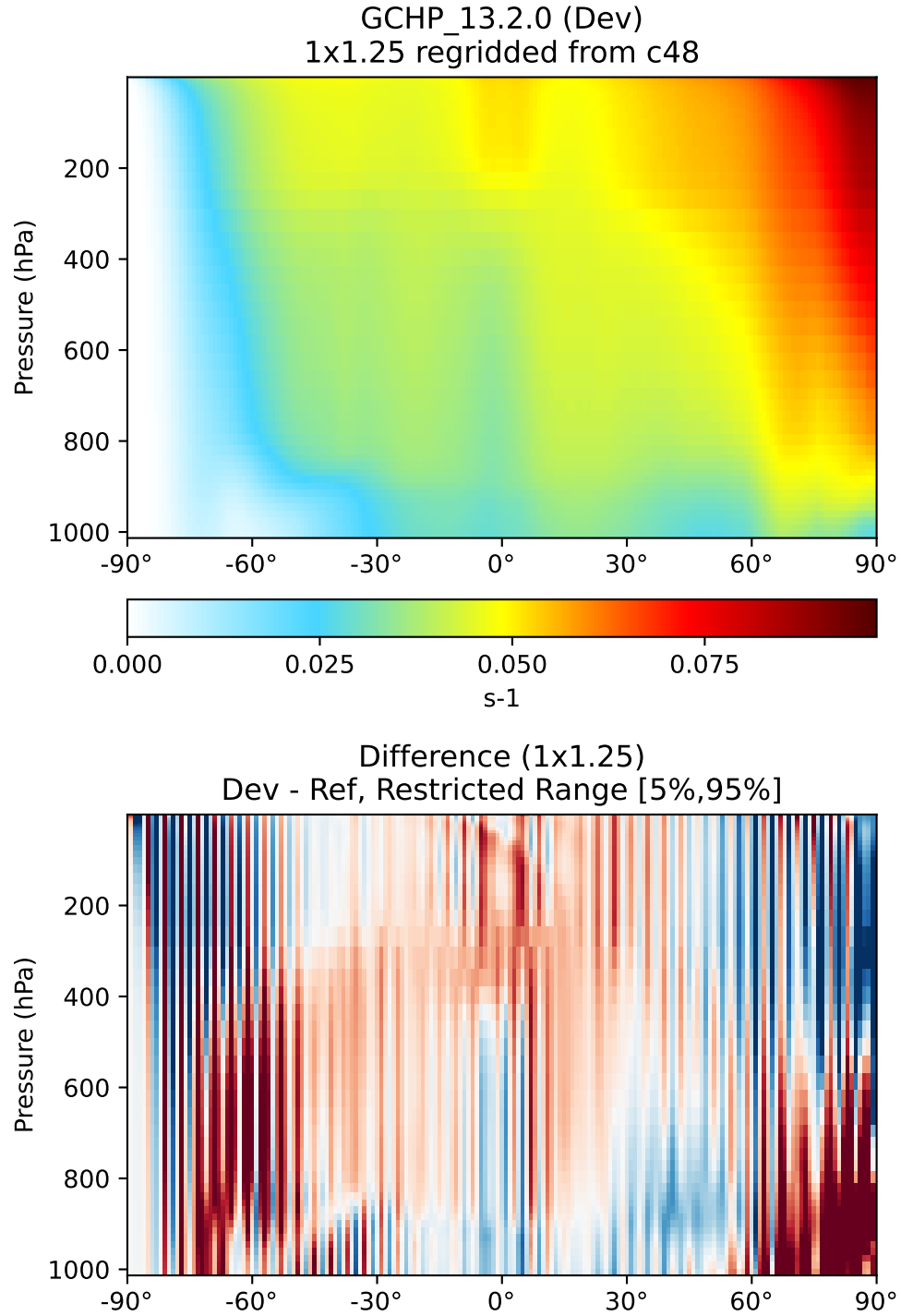
Jval_I2O4, Zonal Mean (Apr2019)

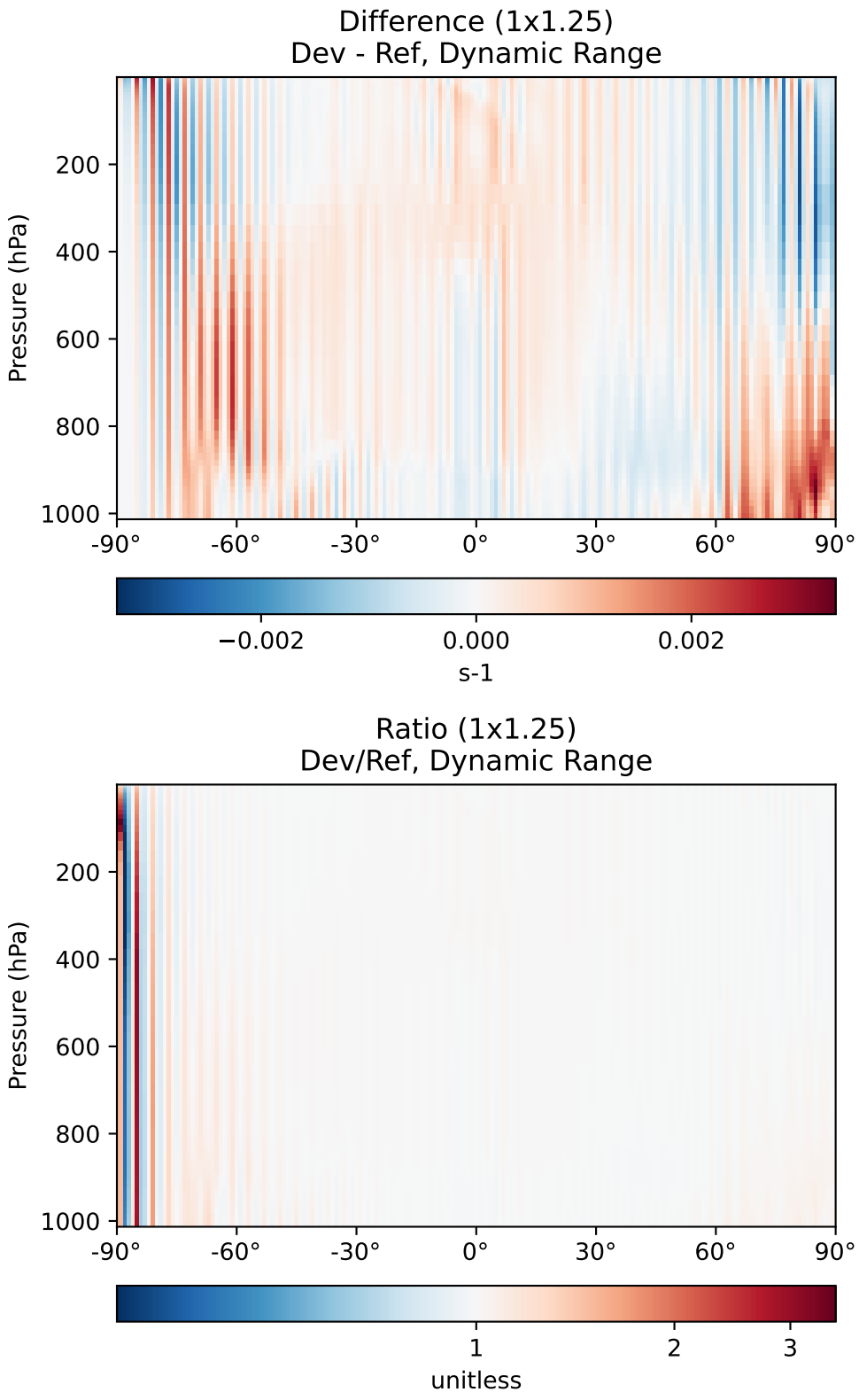


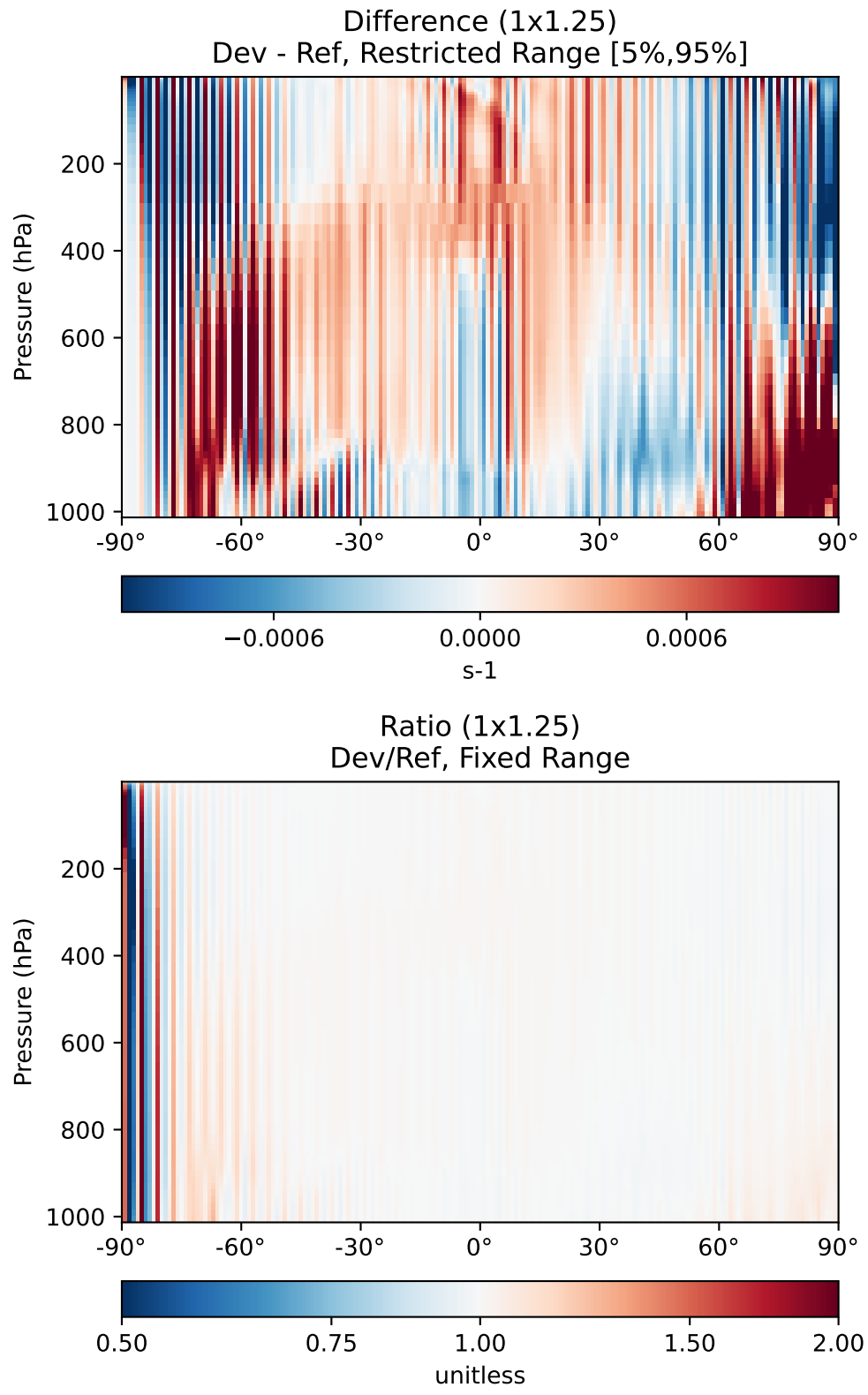


Jval_IBr, Zonal Mean (Apr2019)

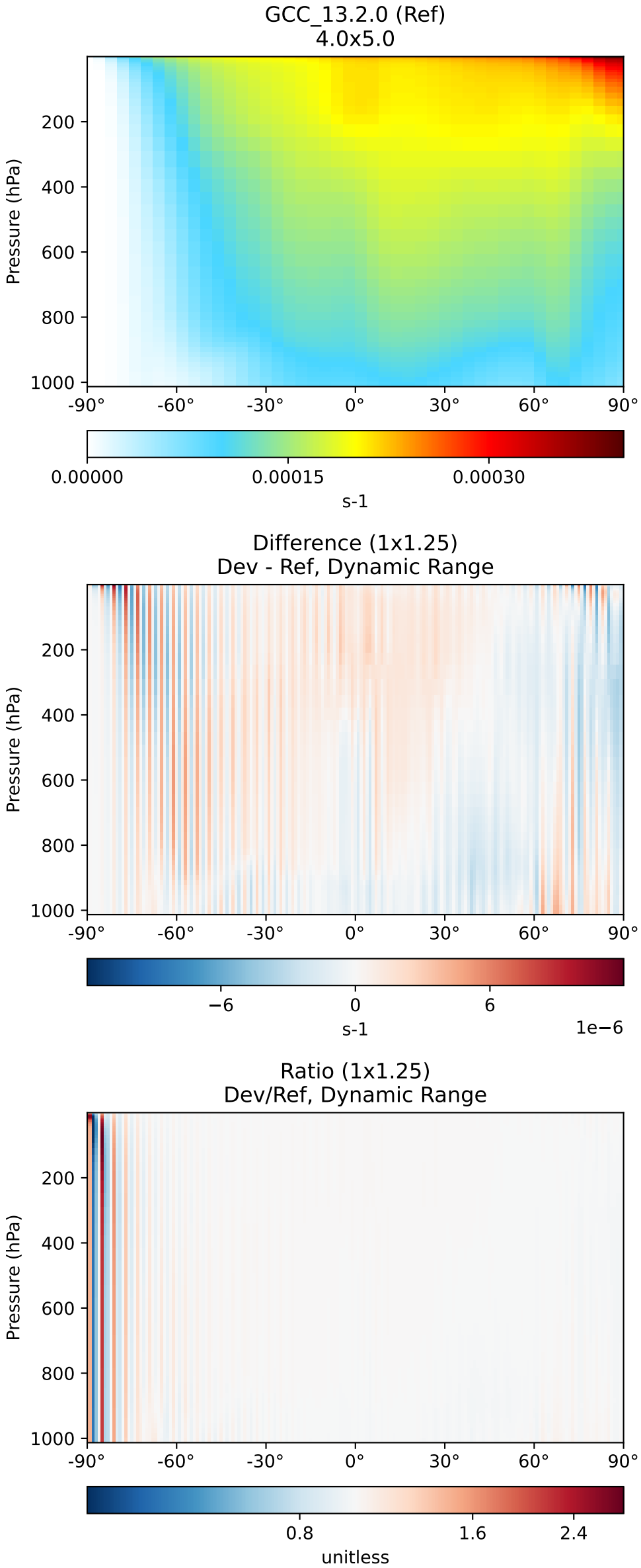


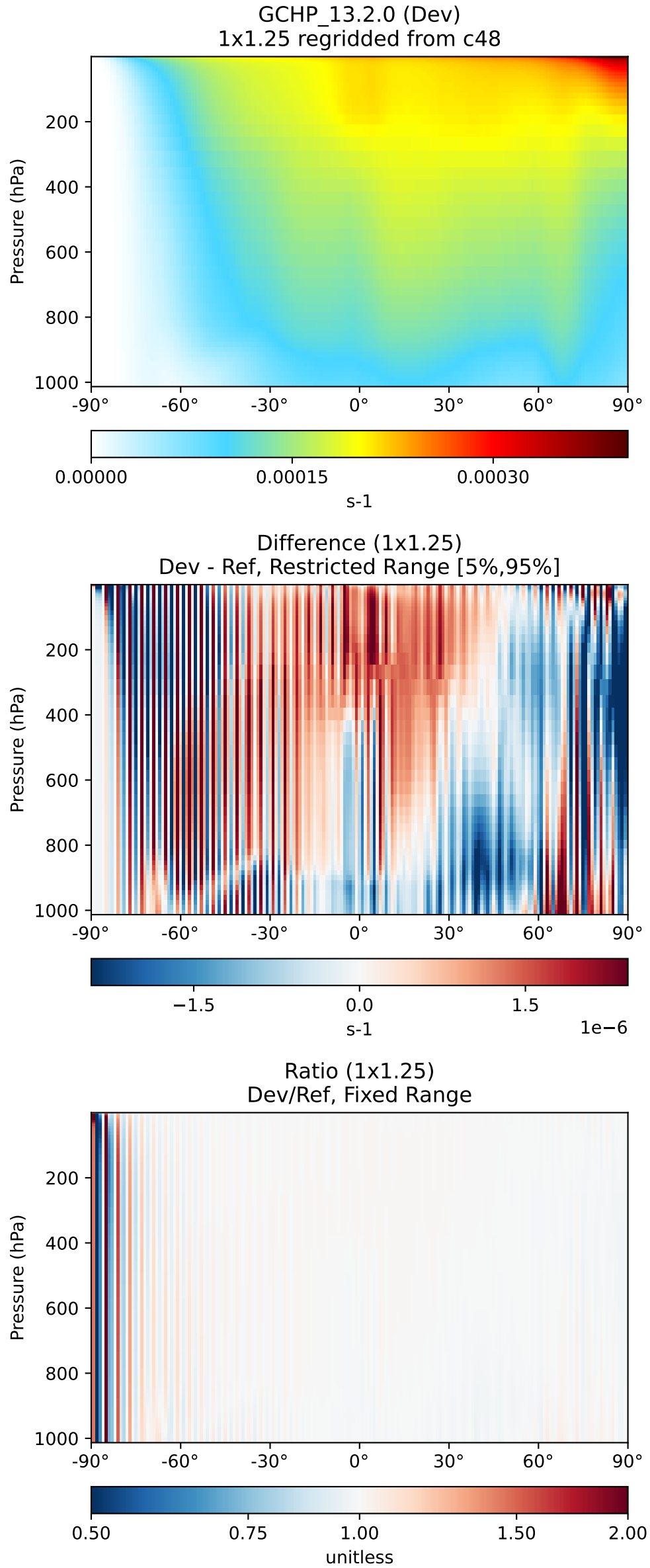




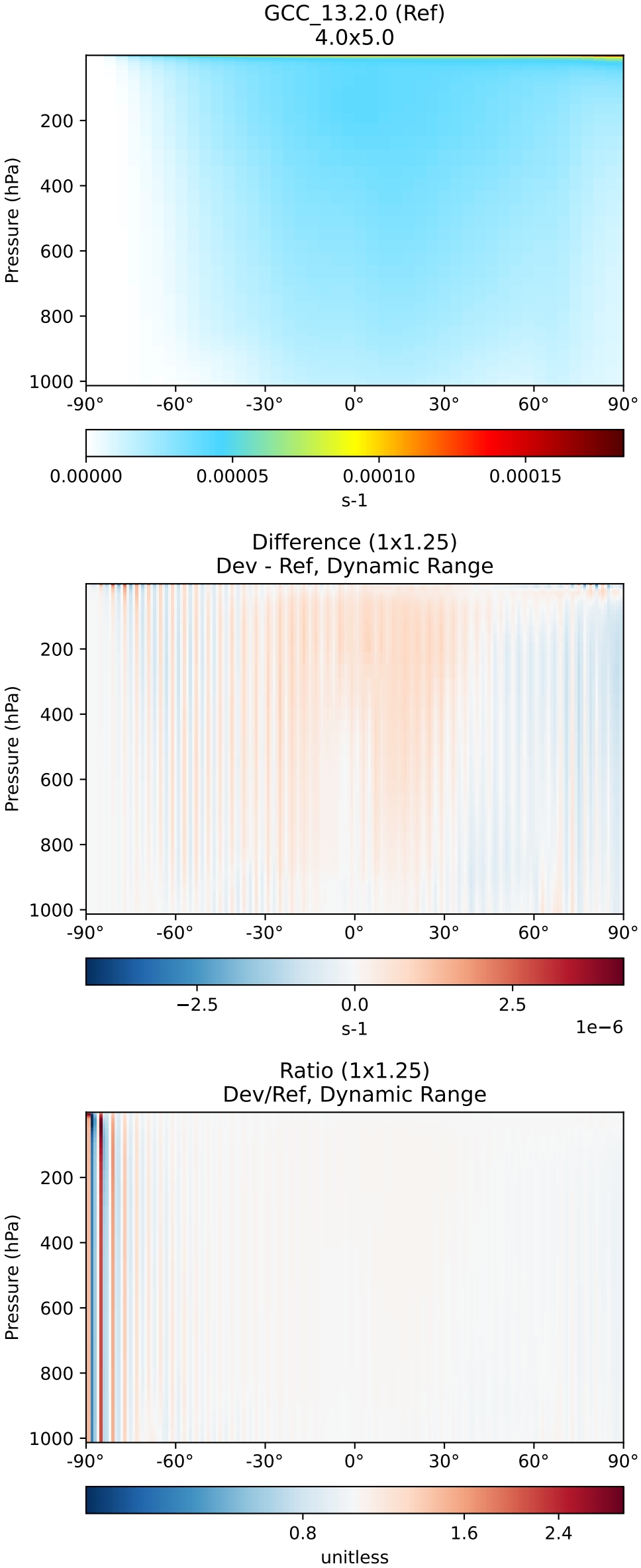


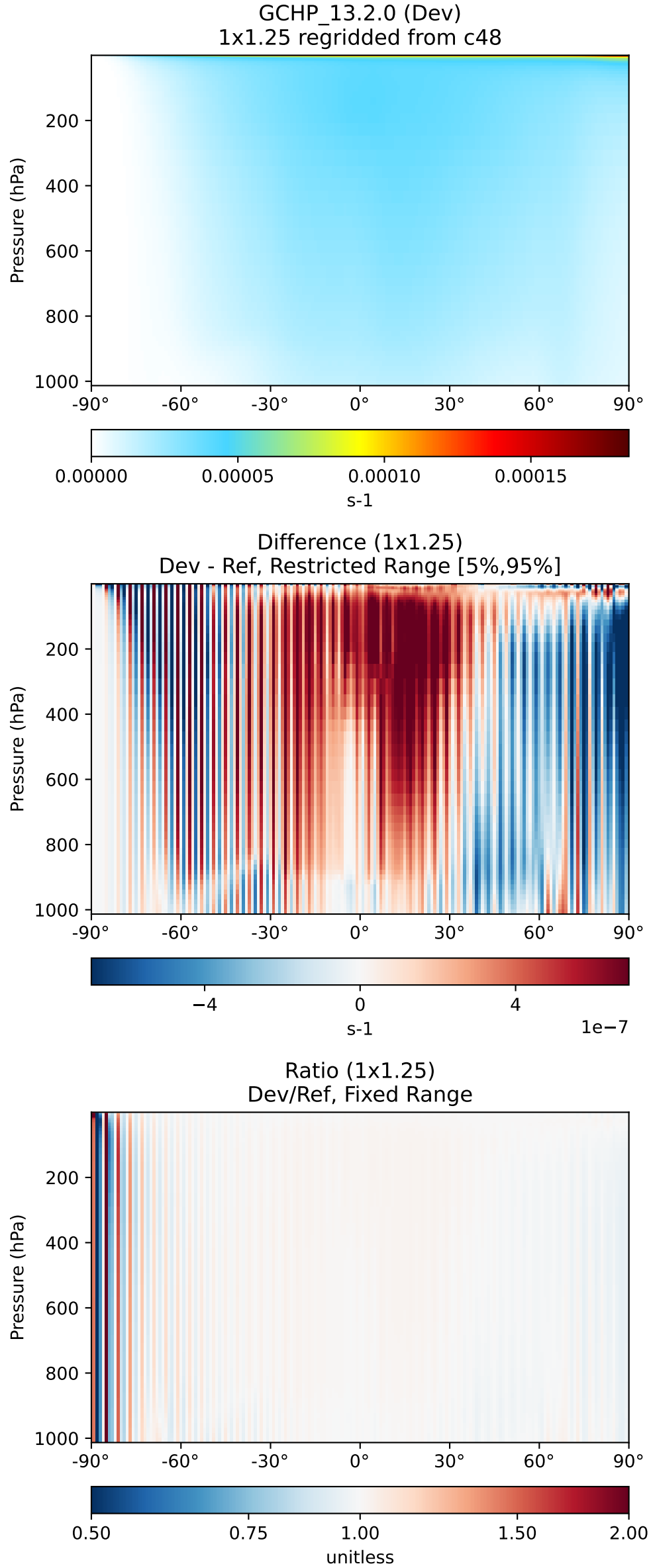
Jval_ICN, Zonal Mean (Apr2019)



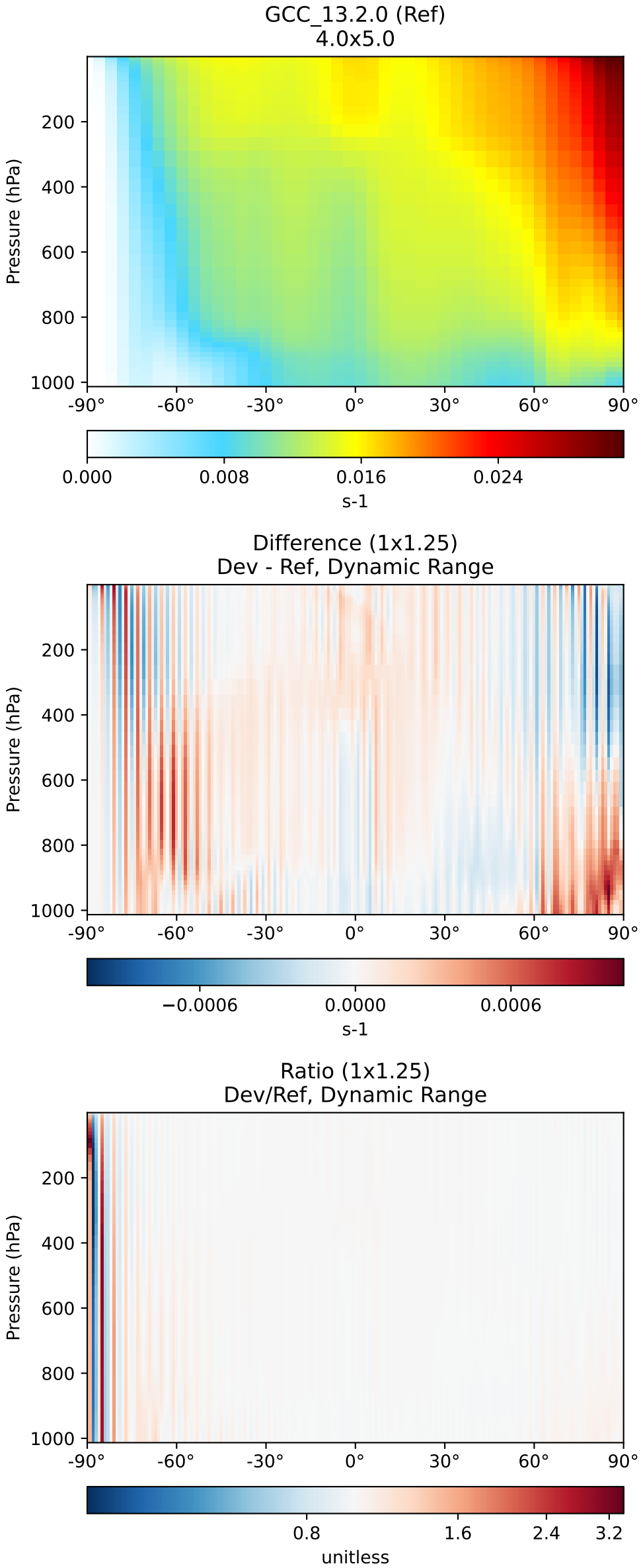


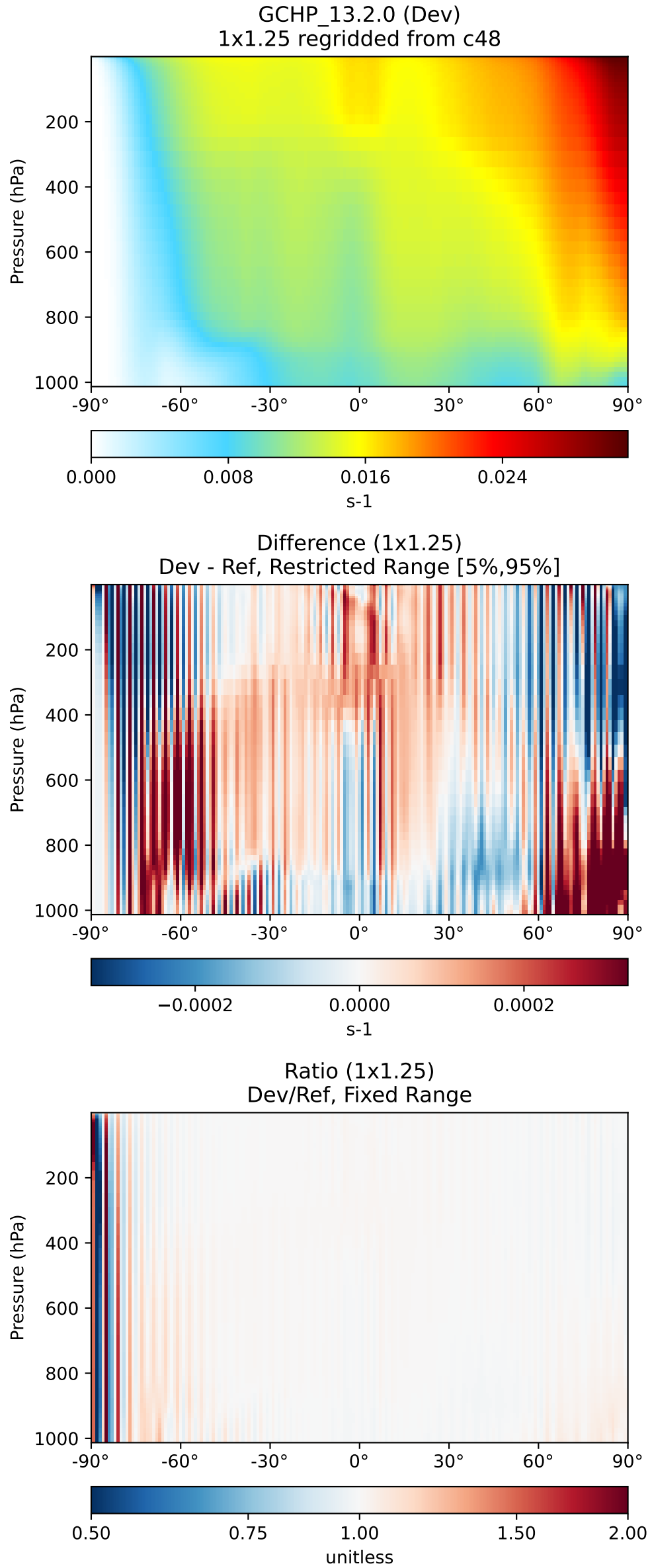
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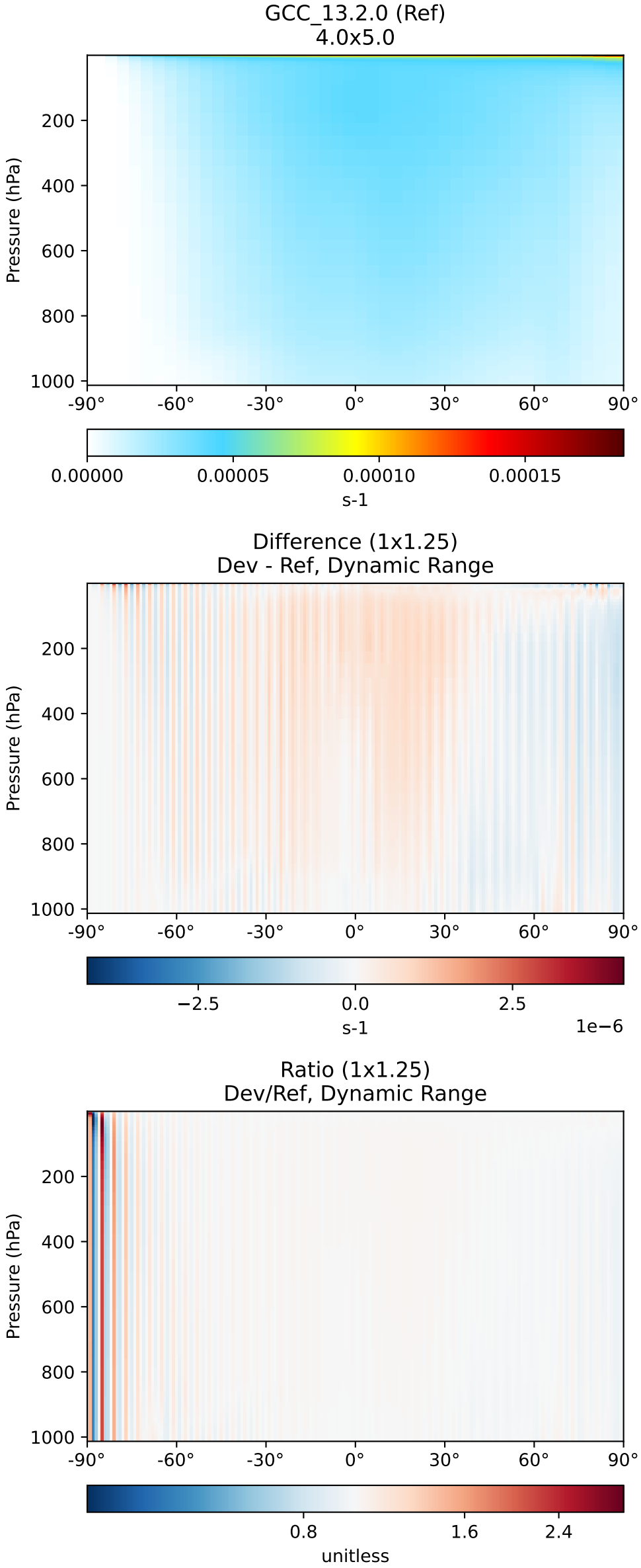


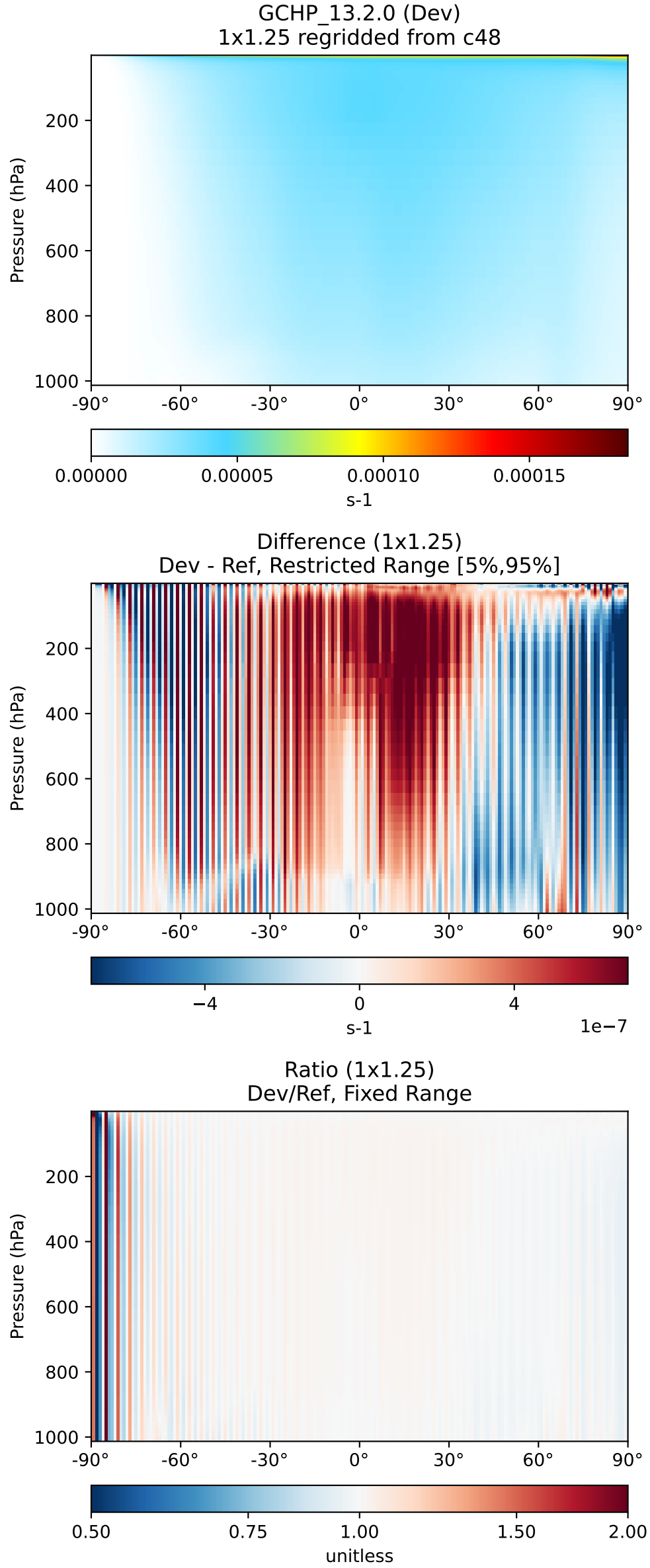
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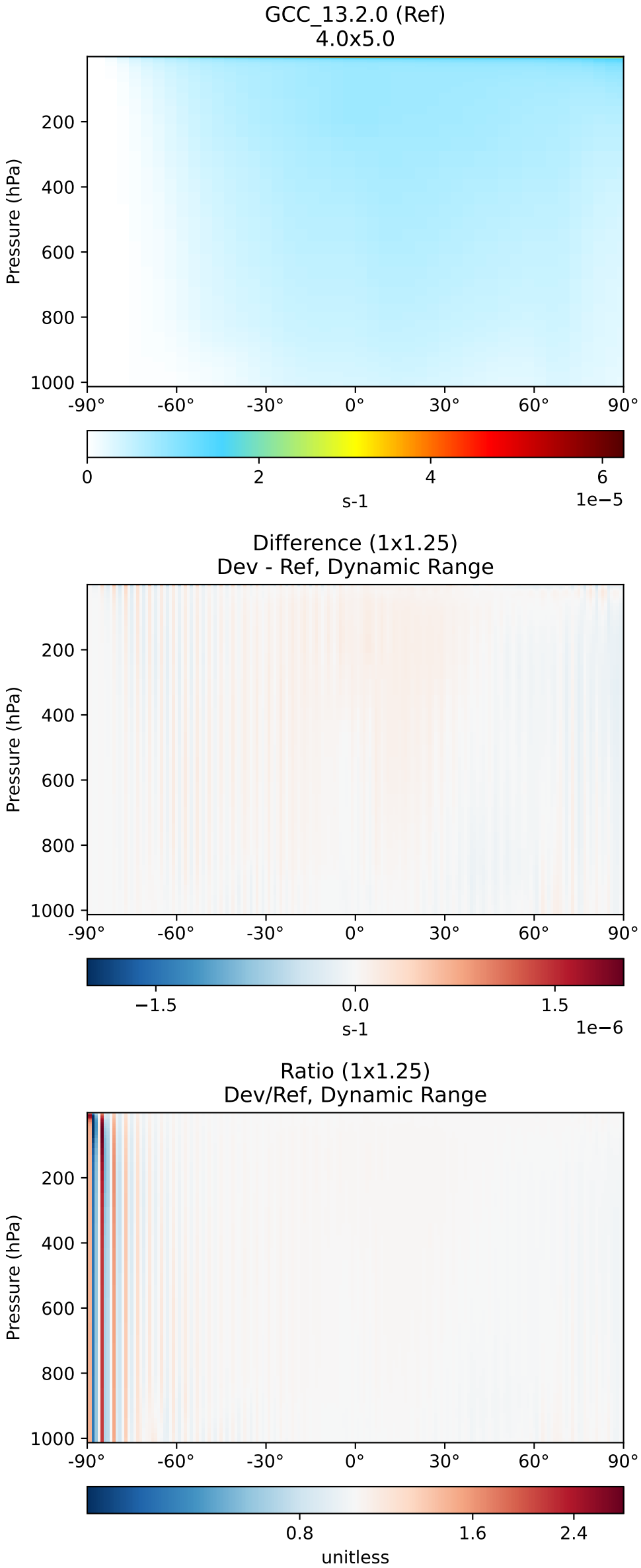


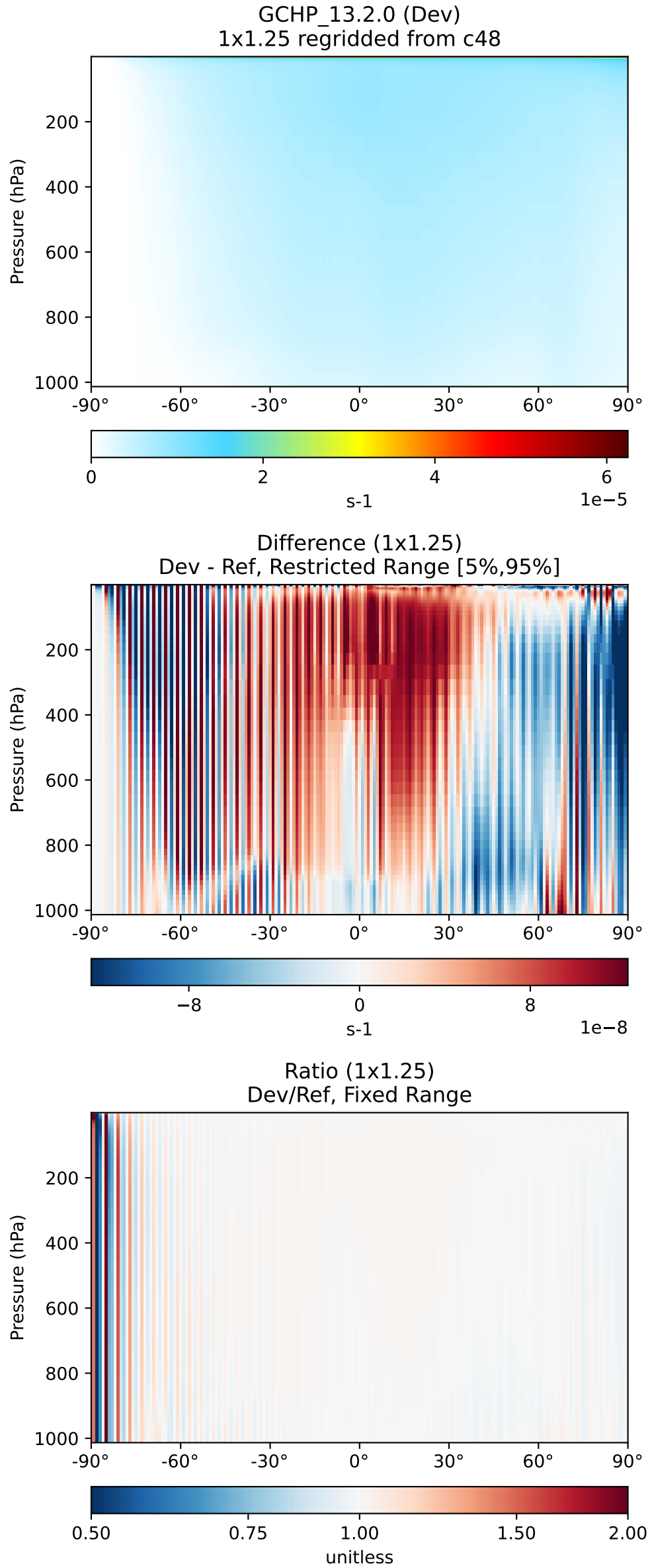
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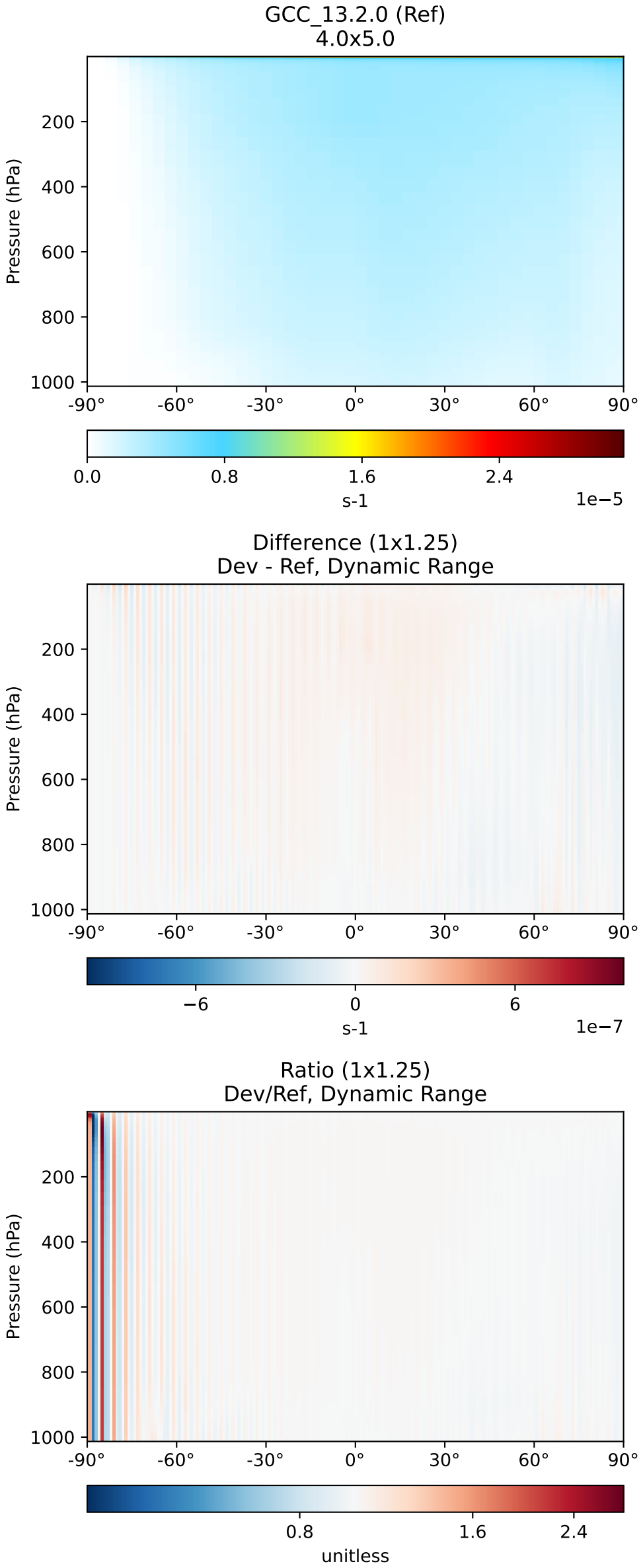


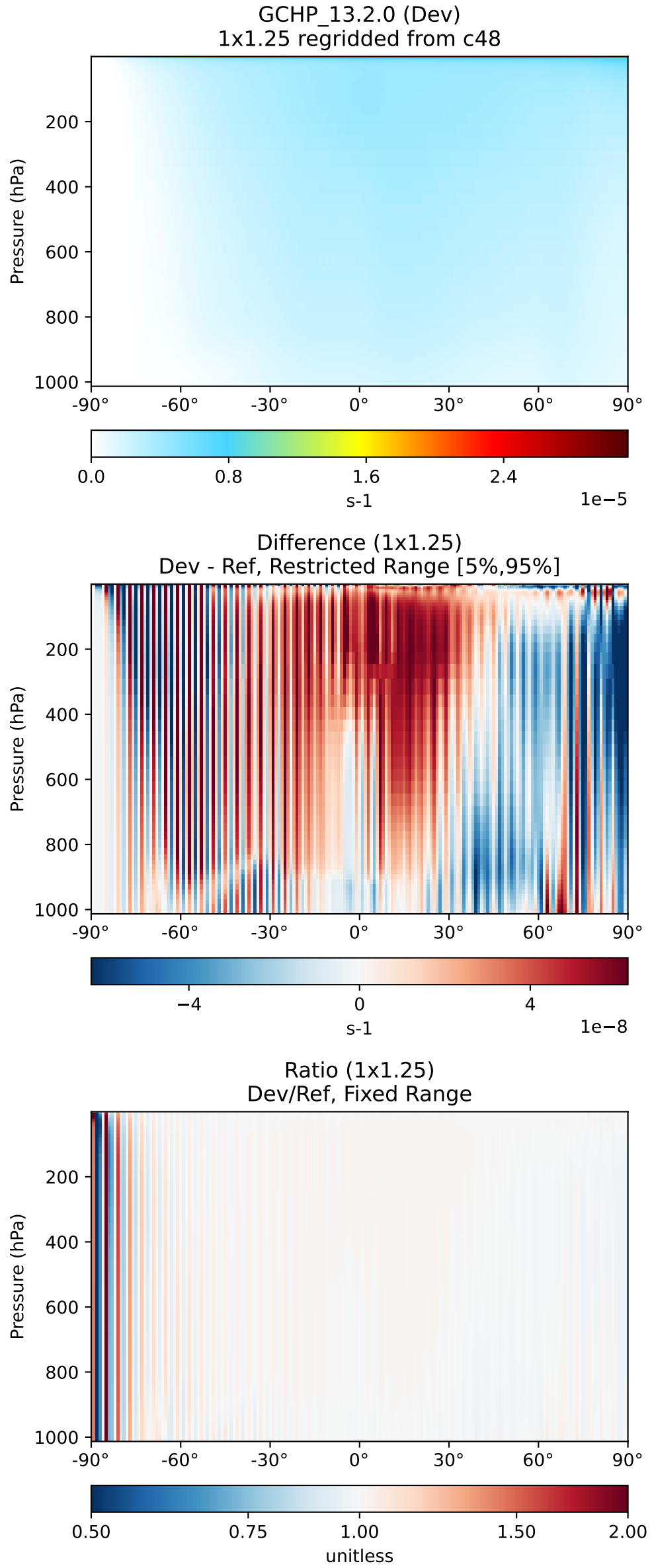
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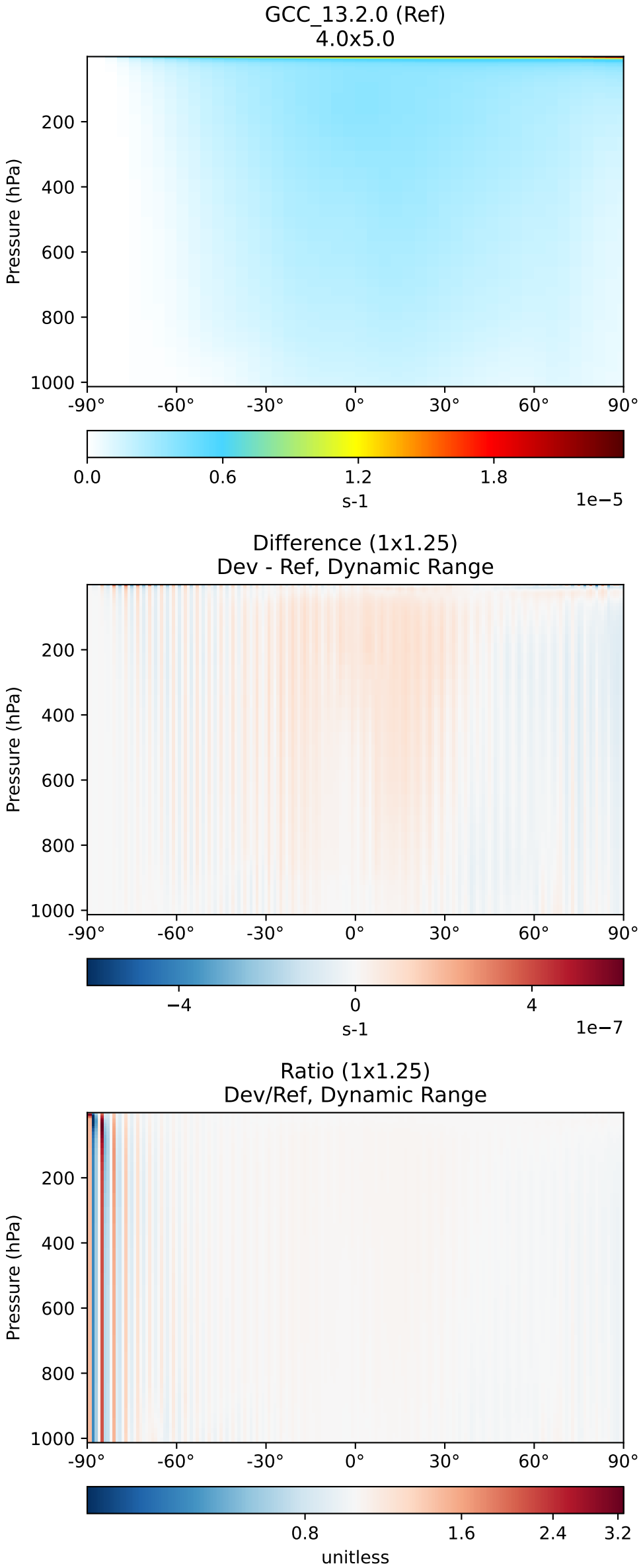


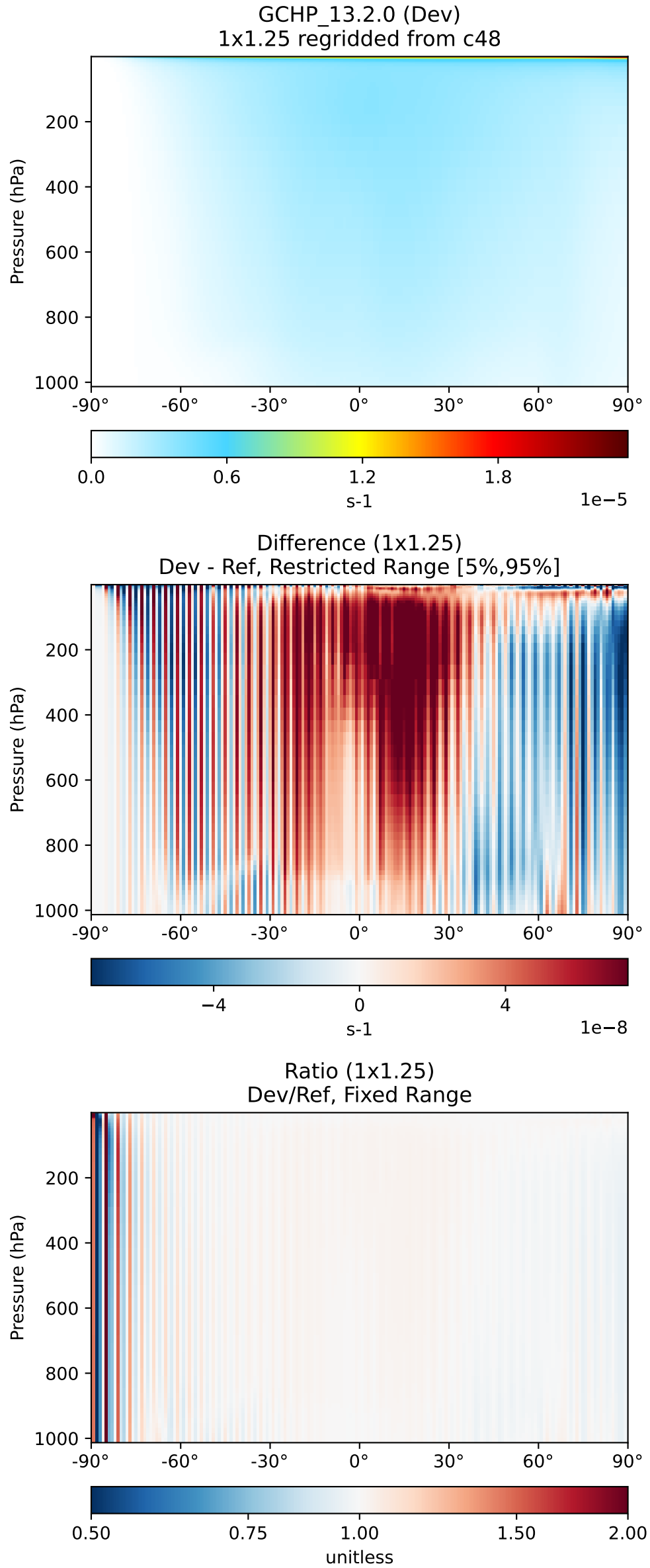
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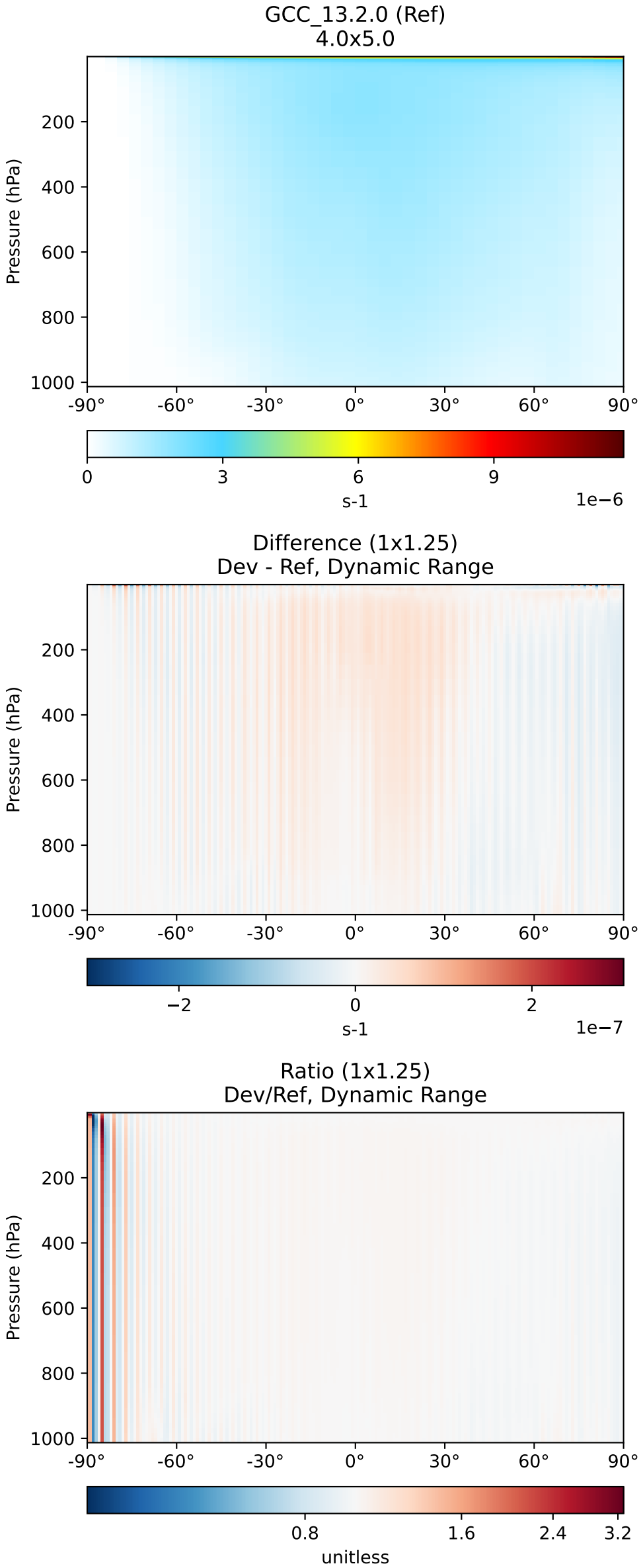


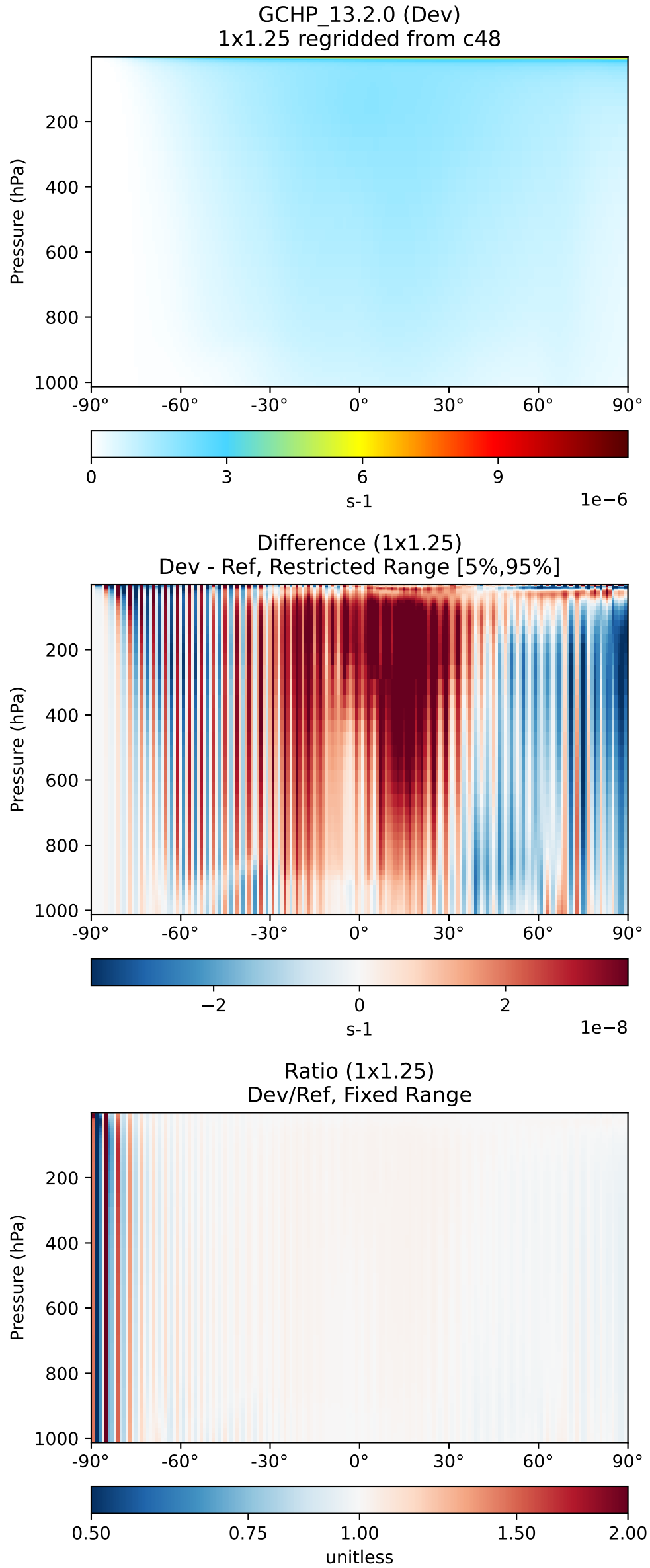
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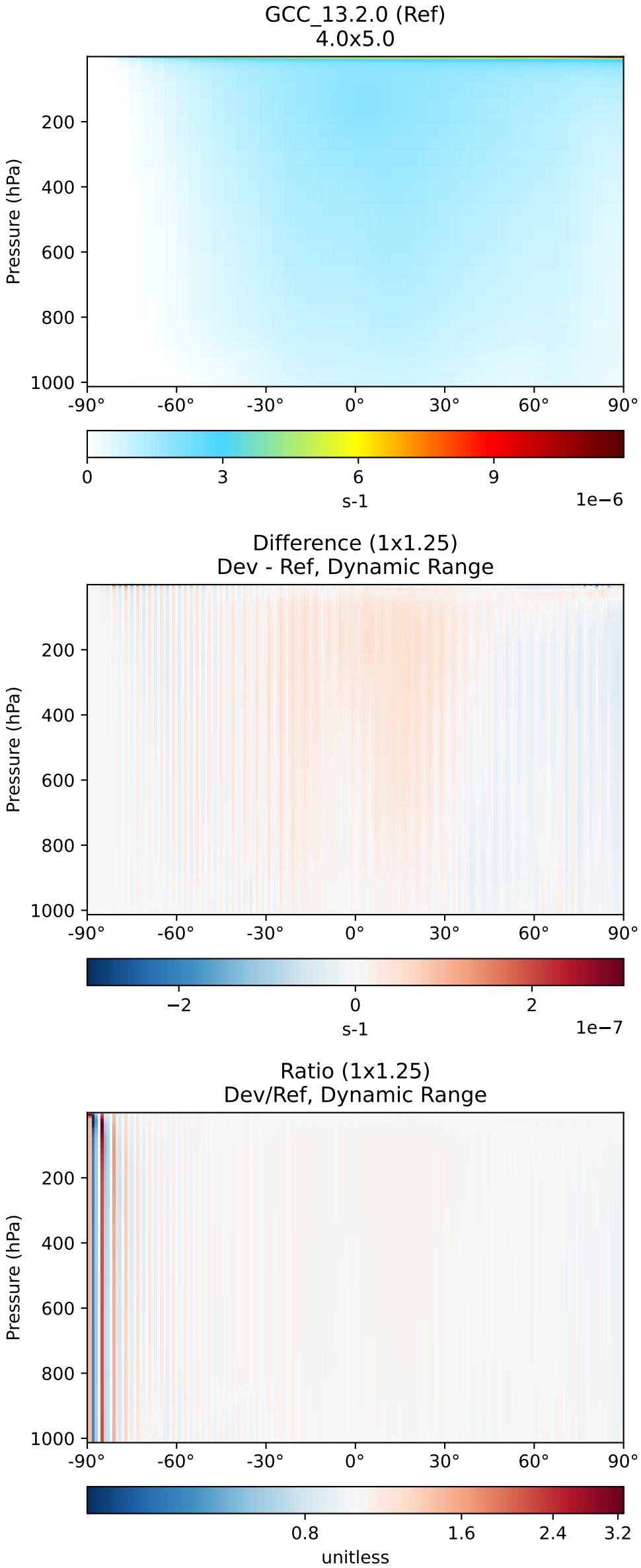


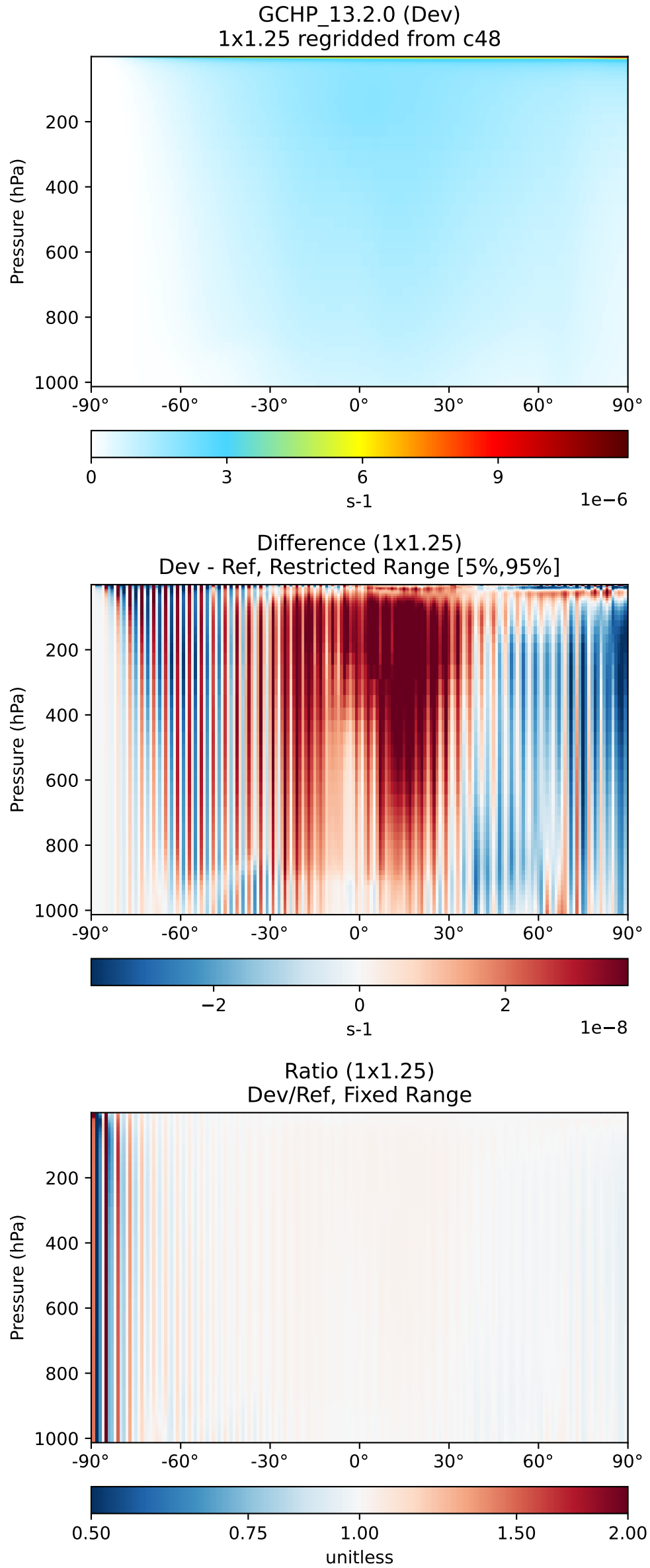
Jval_IHN1, Zonal Mean (Apr2019)



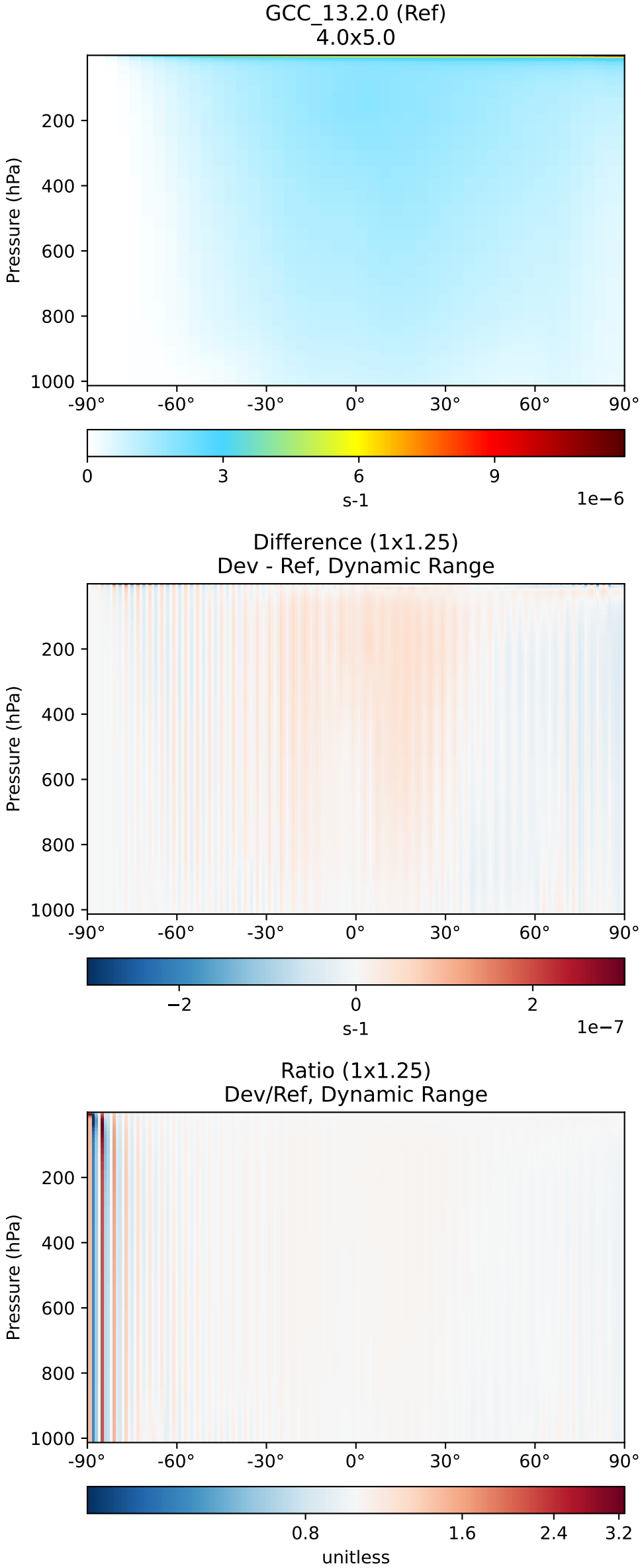


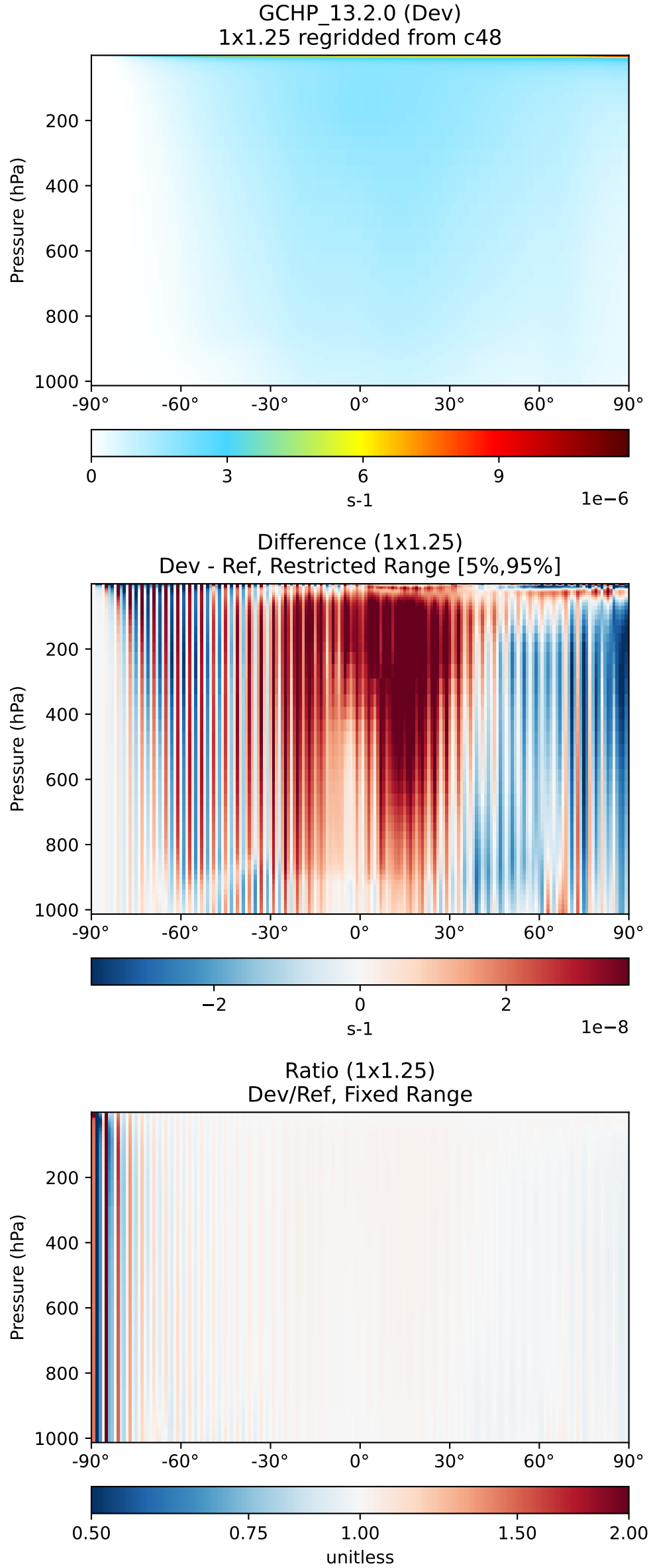
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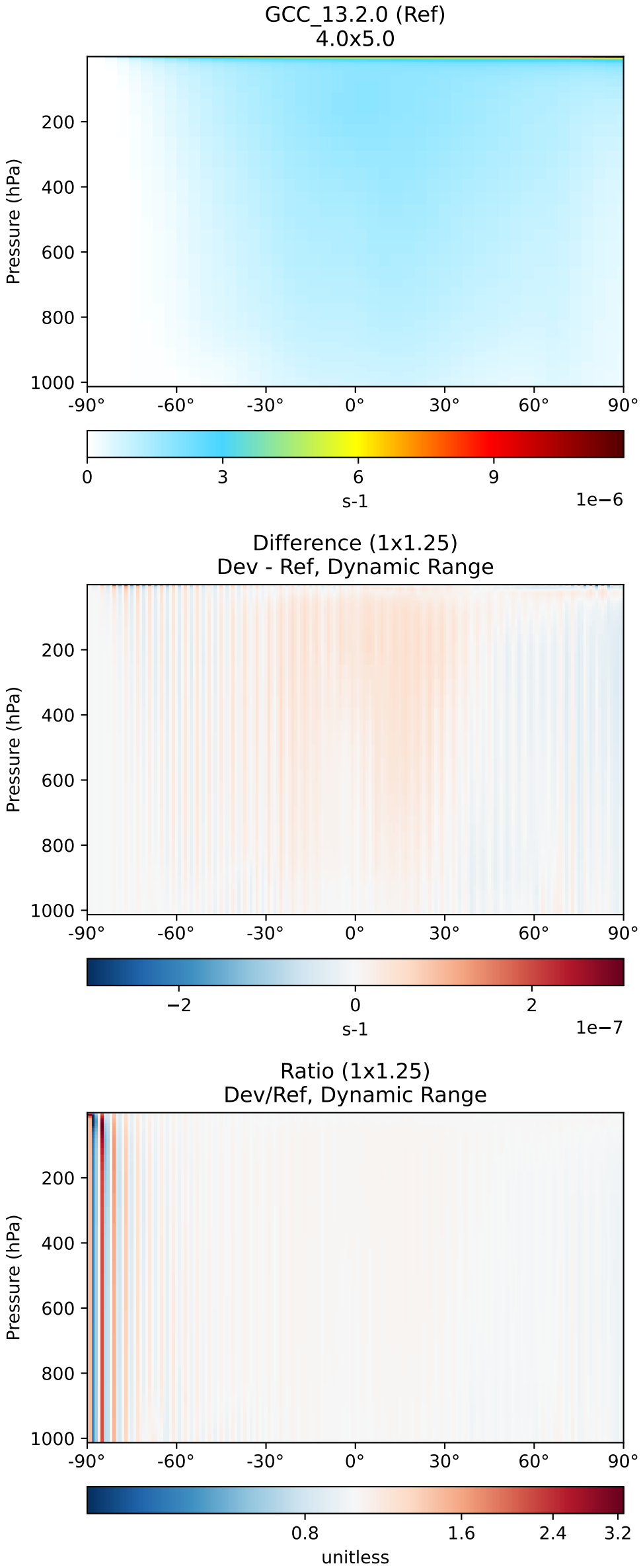


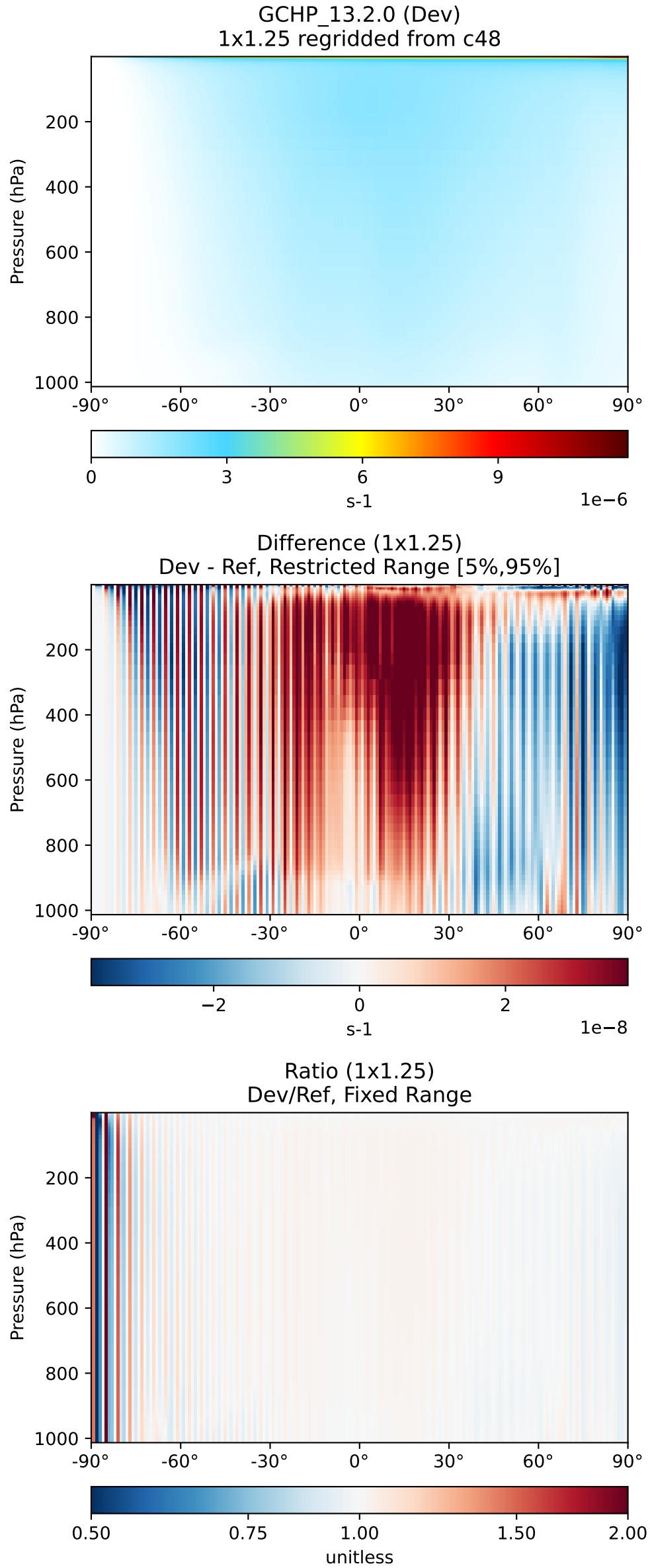
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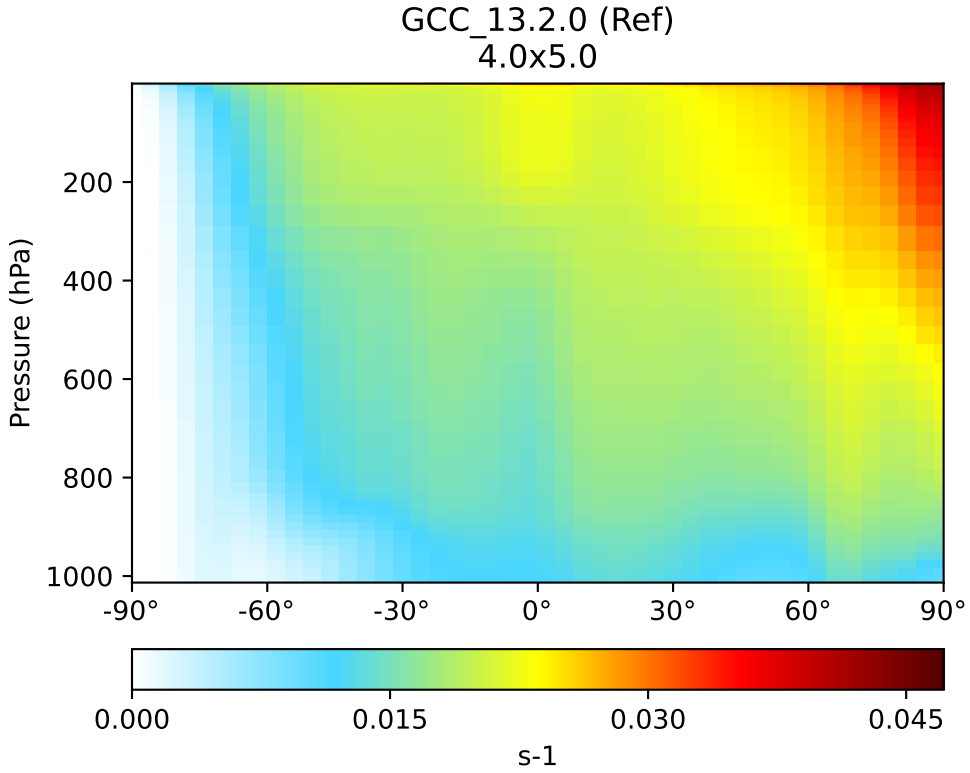


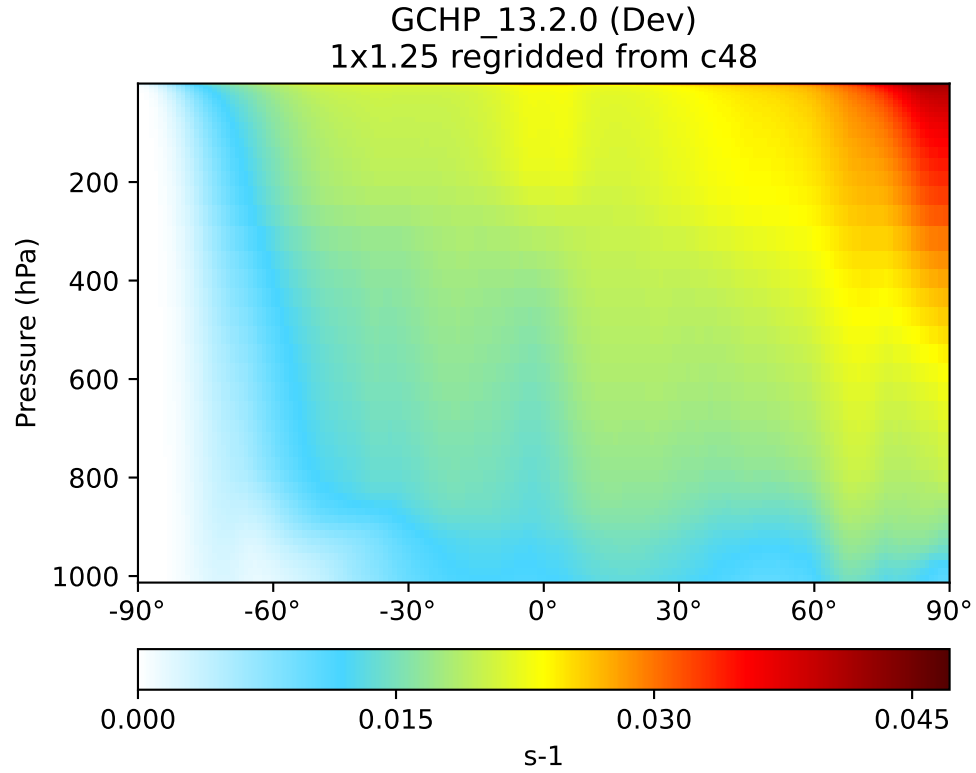
Jval_IHN4, Zonal Mean (Apr2019)

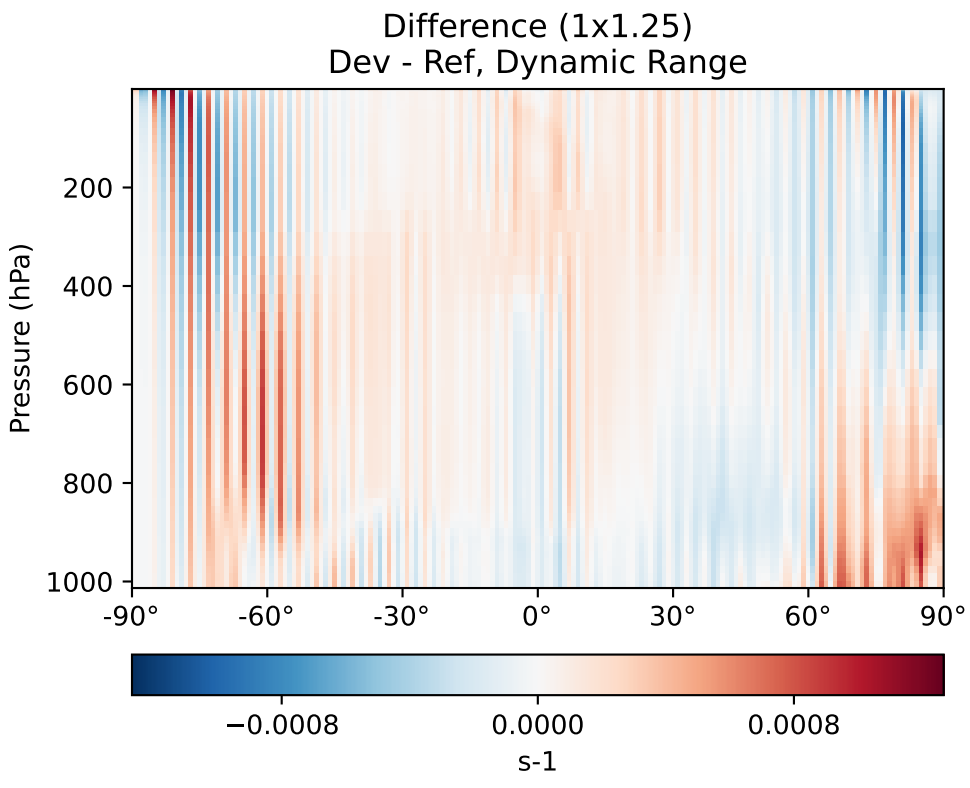


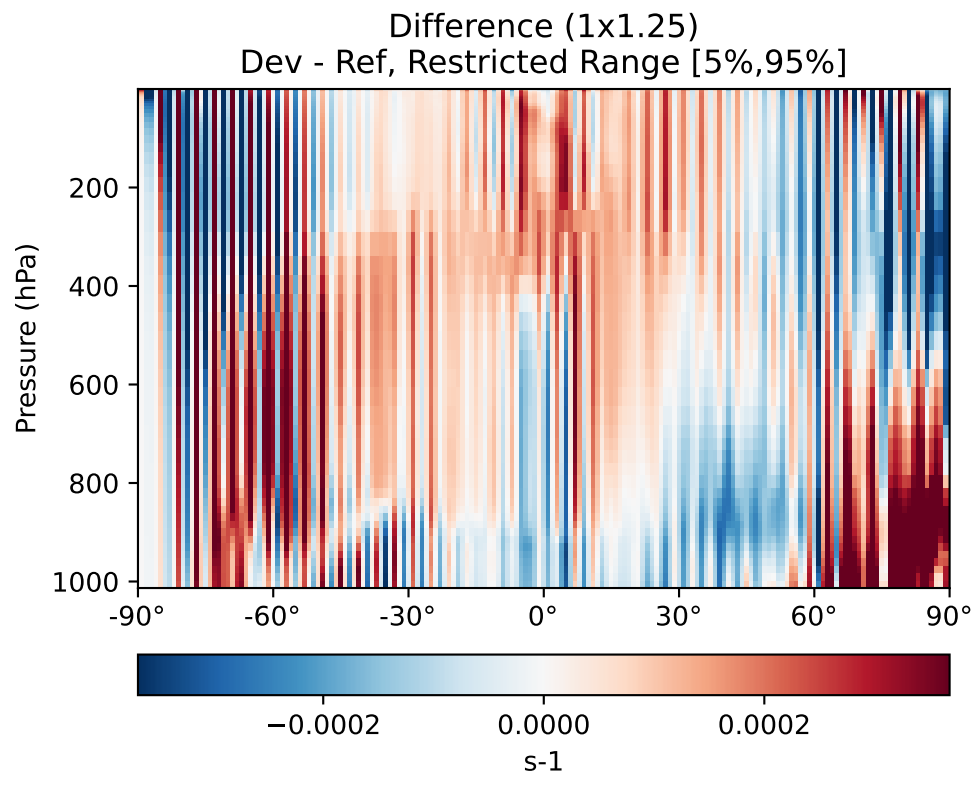


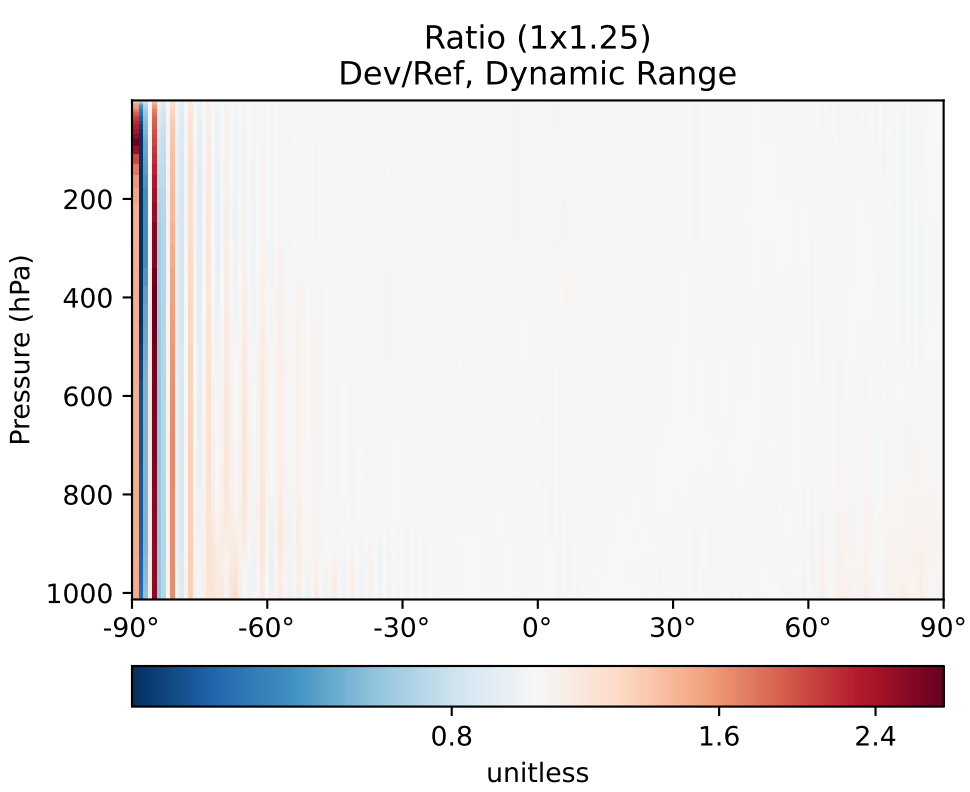
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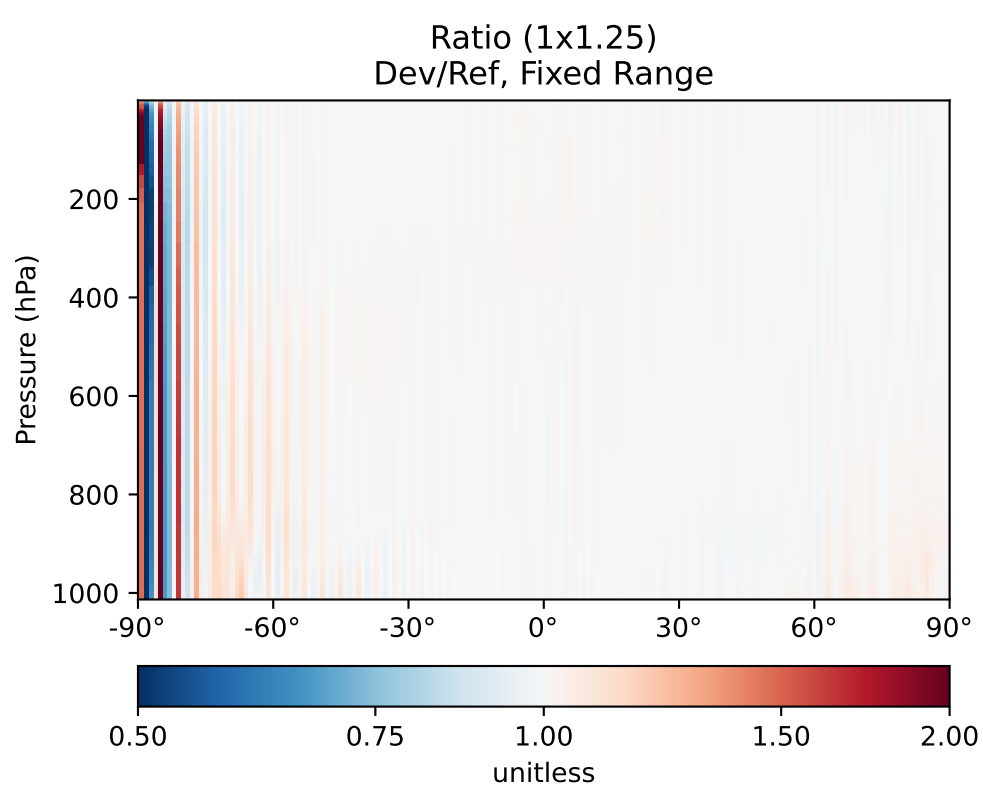




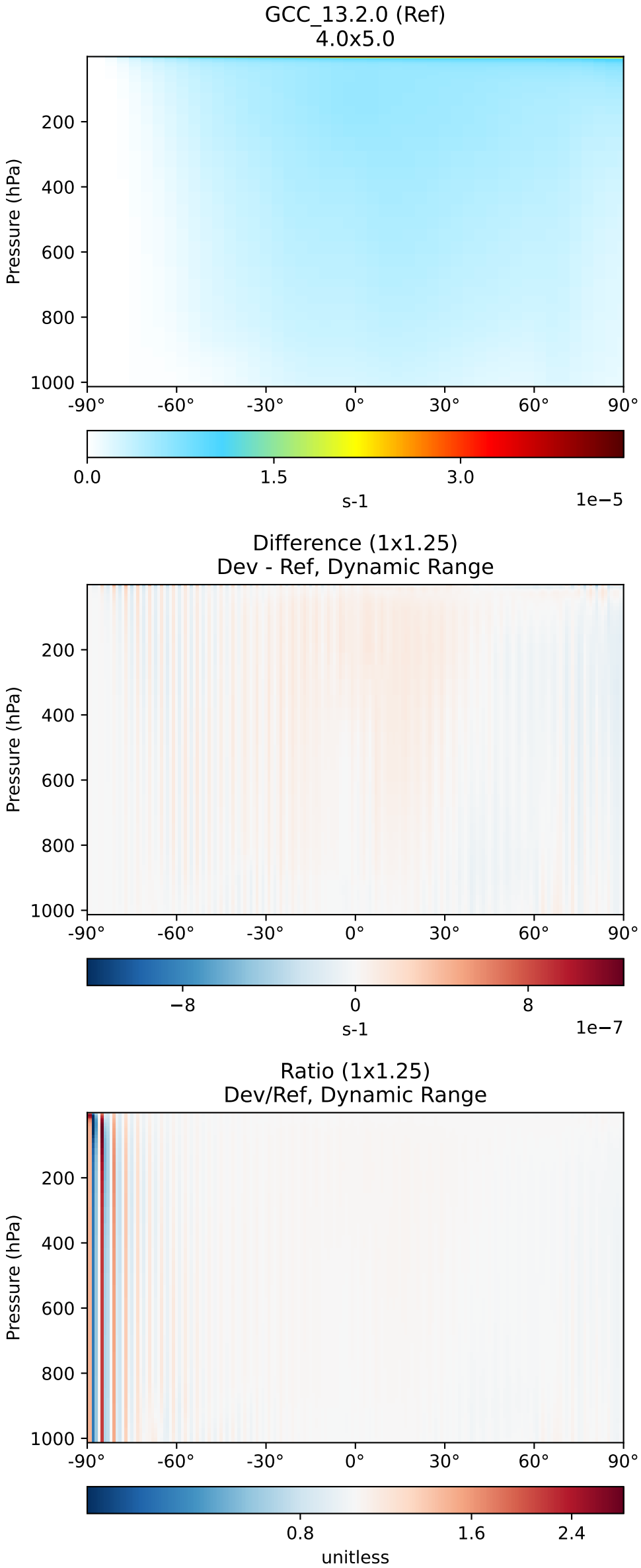


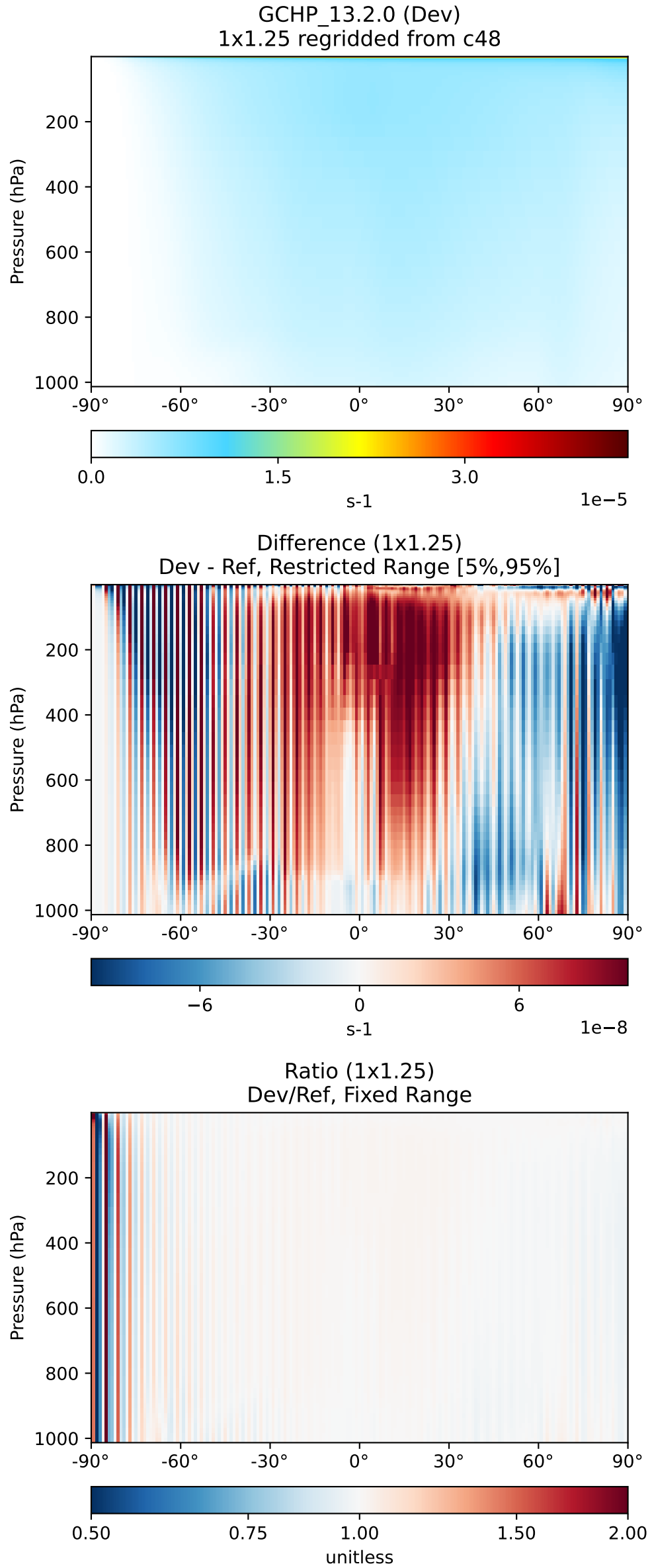




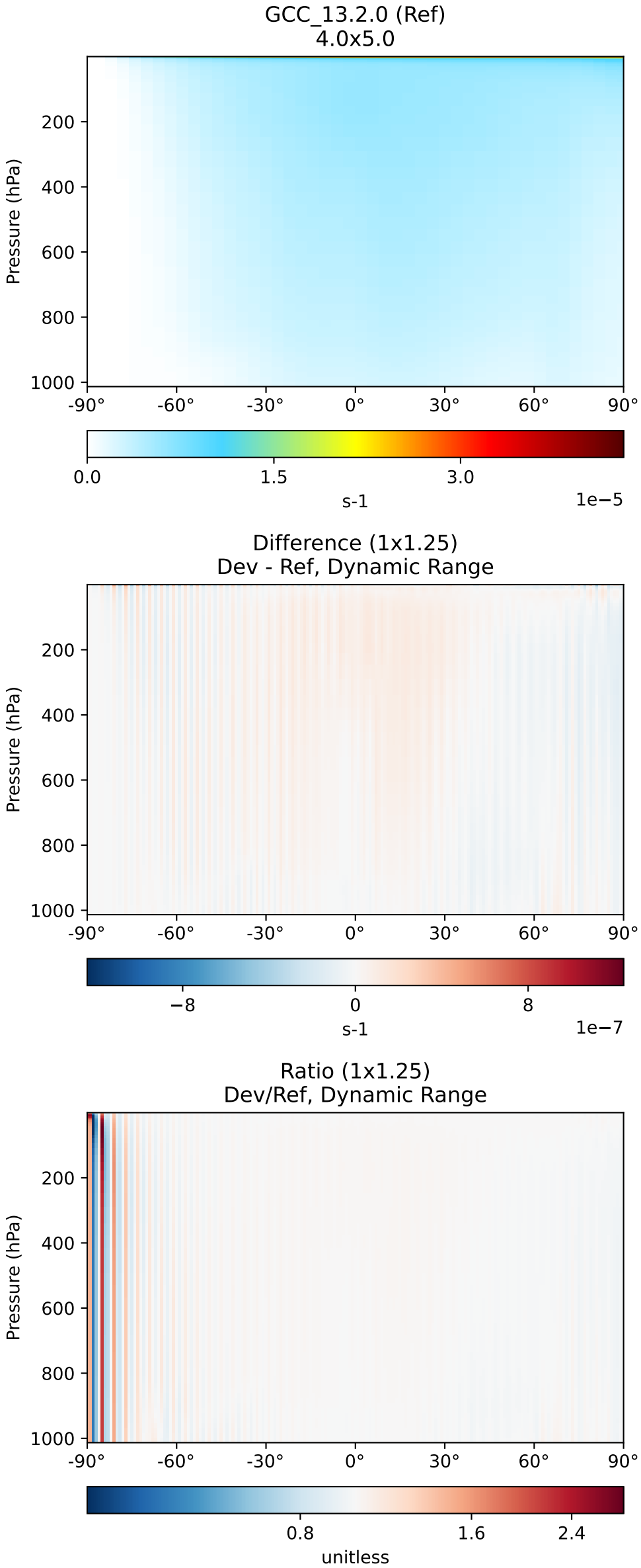


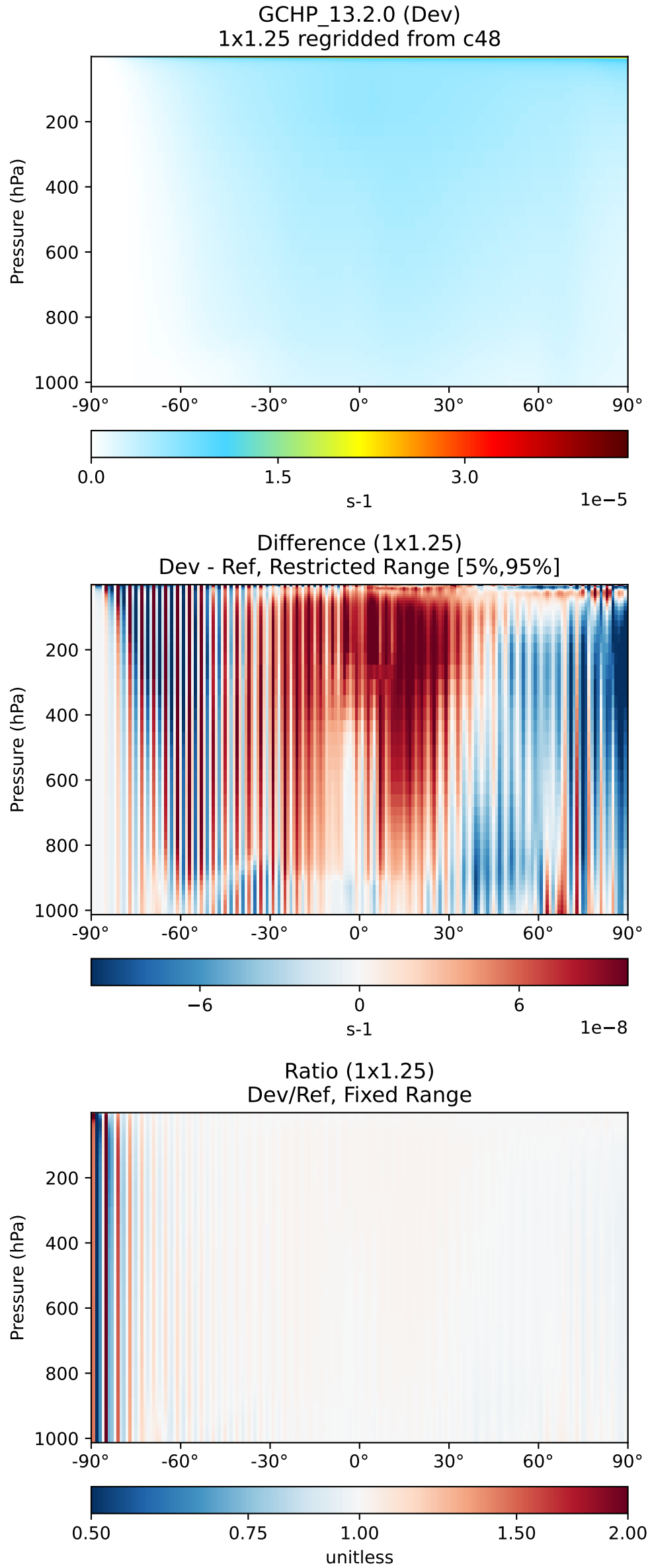
Jval_INPB, Zonal Mean (Apr2019)



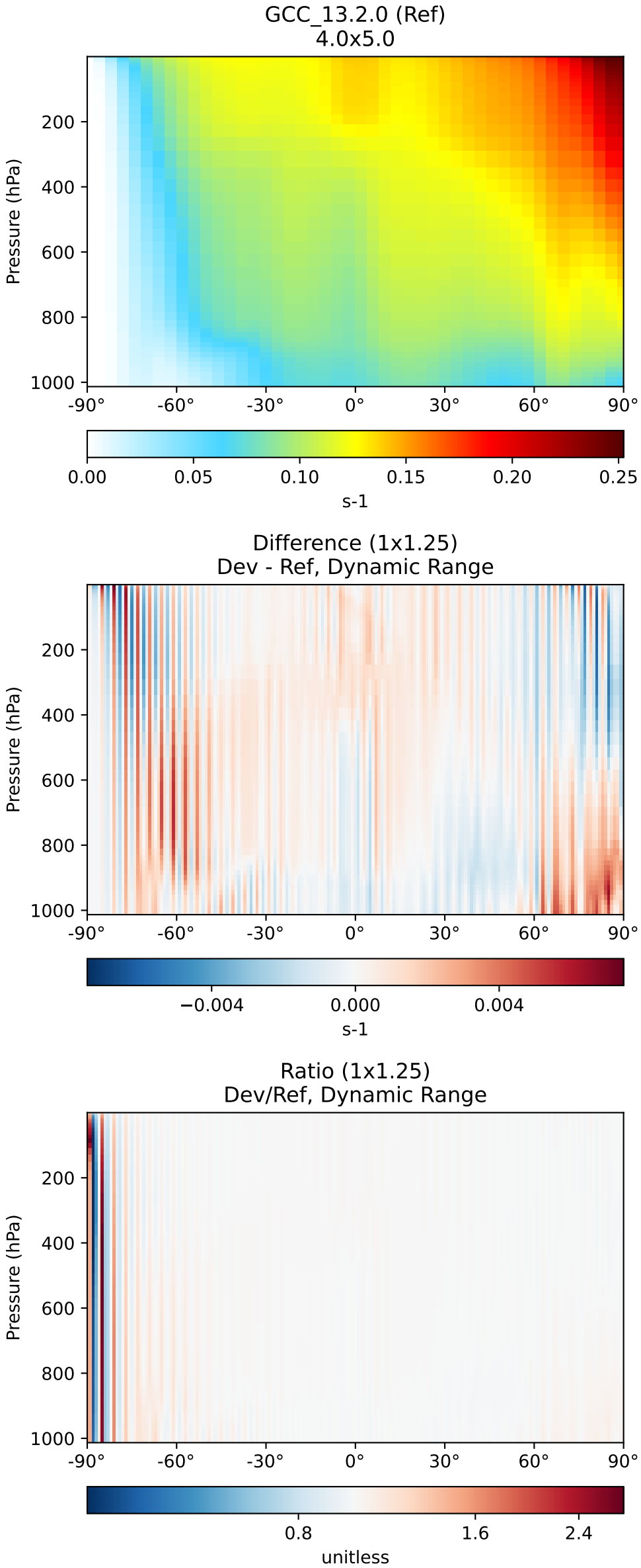


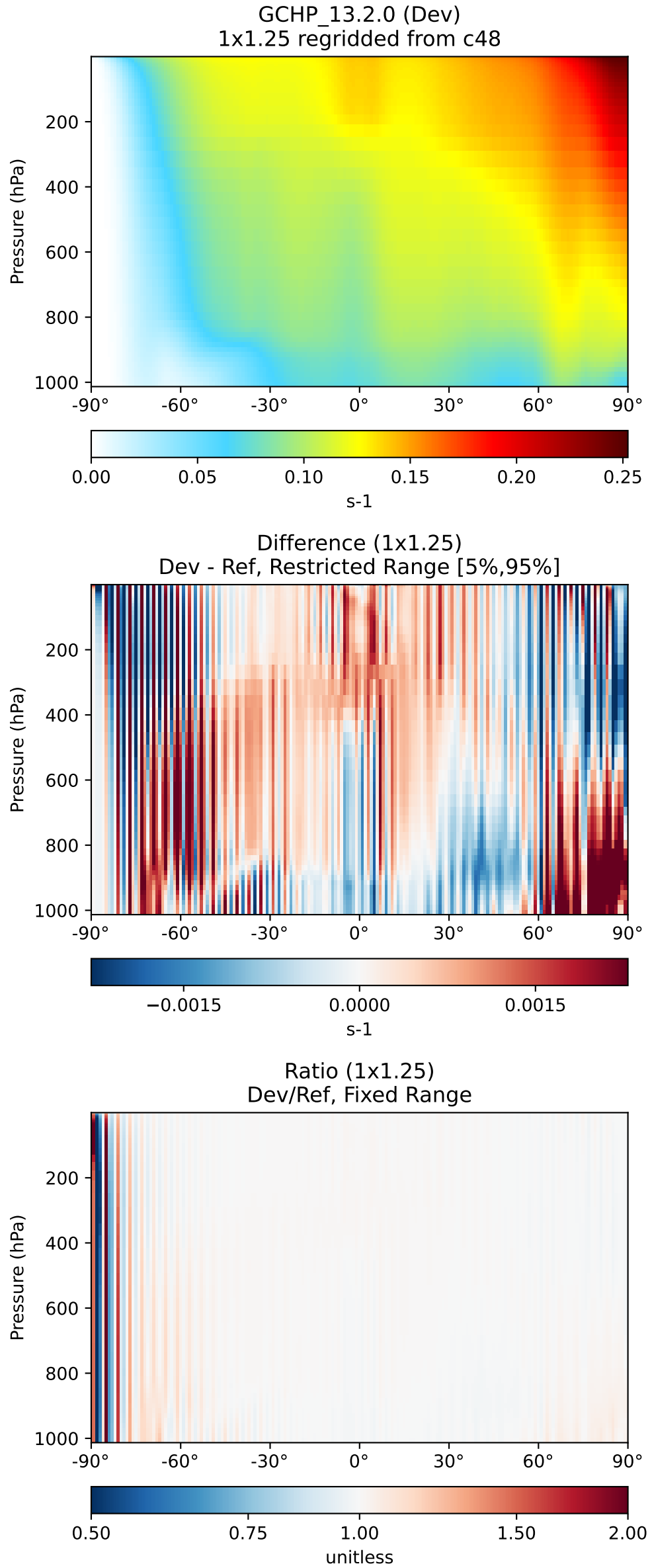
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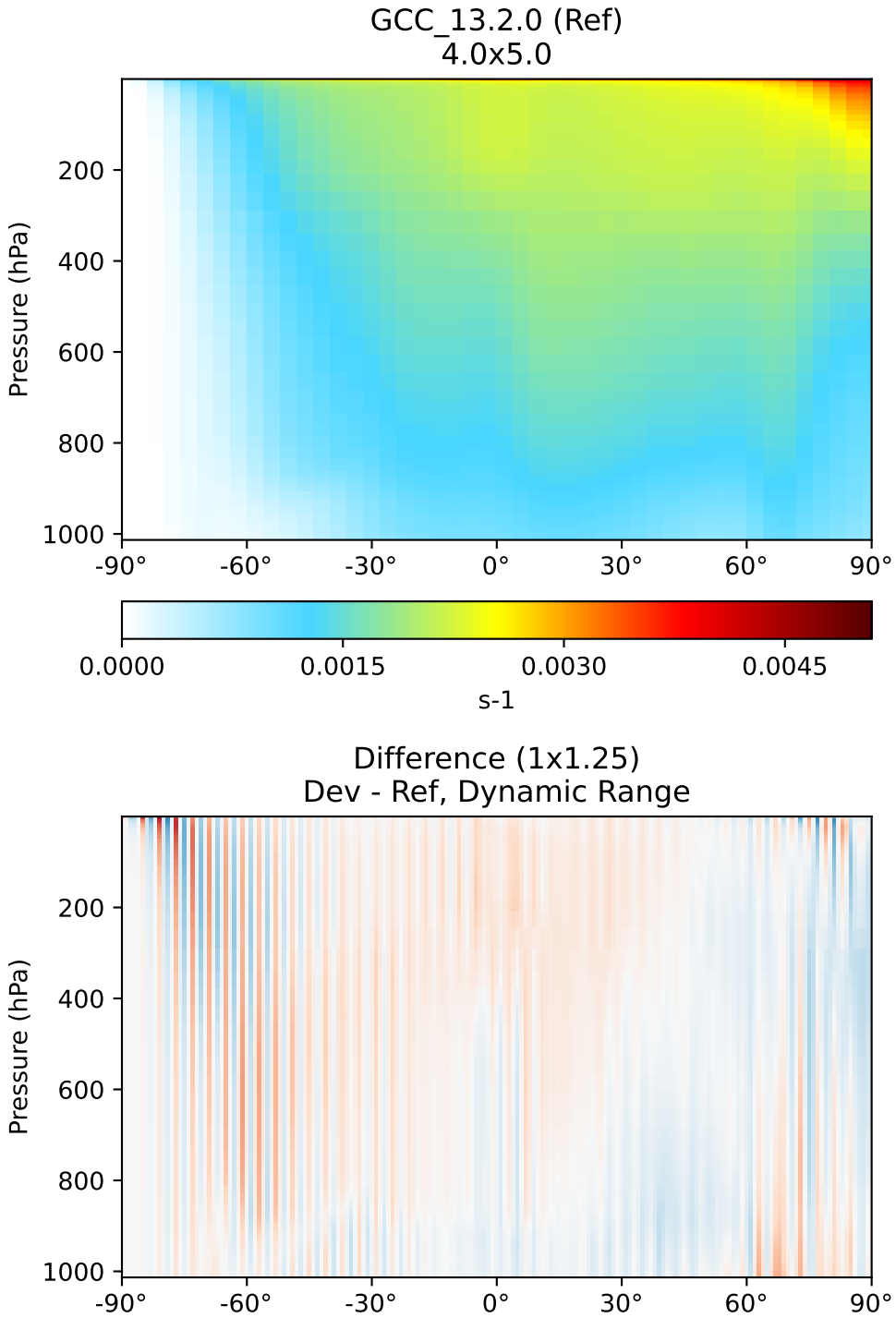


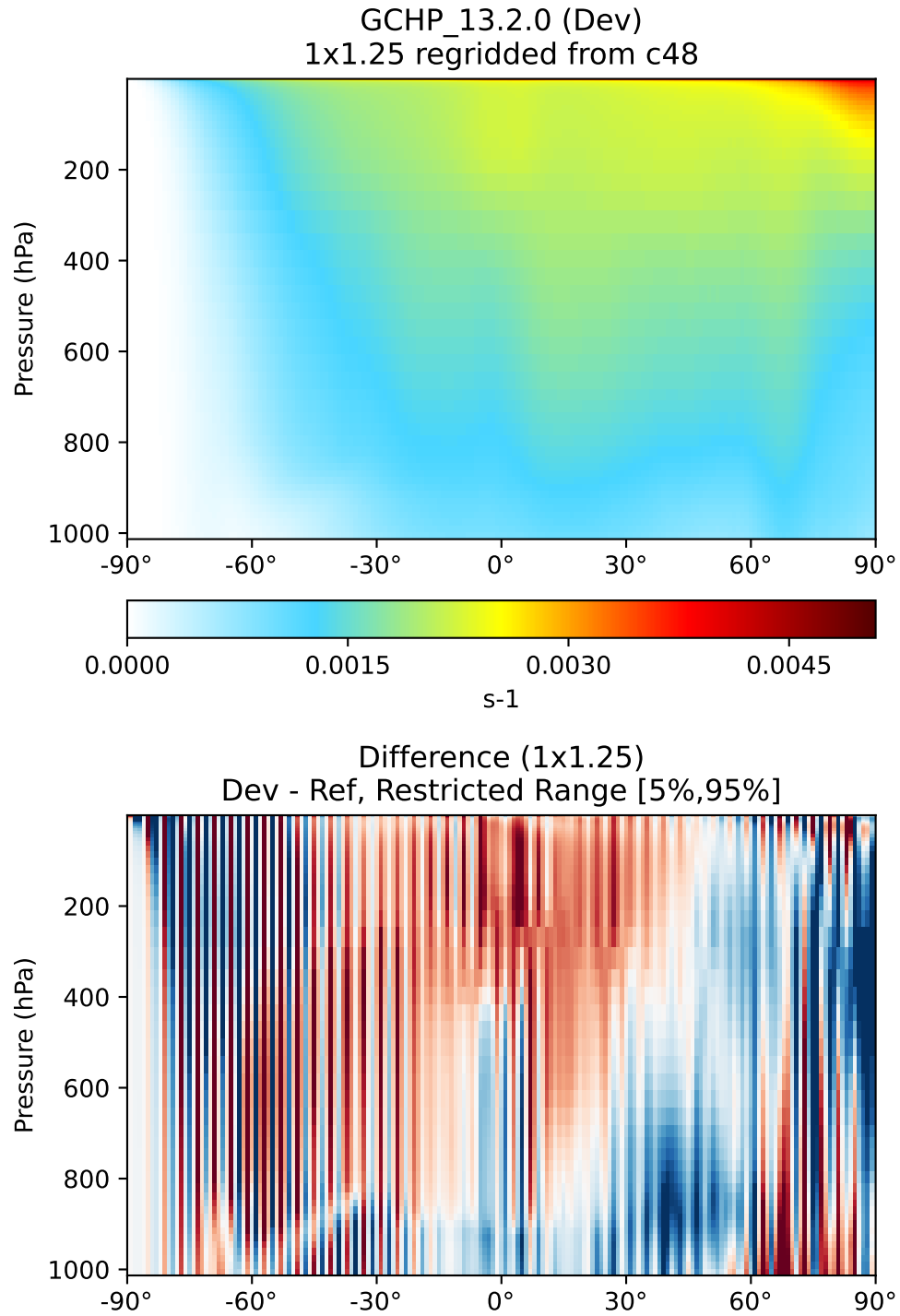
Jval_IO, Zonal Mean (Apr2019)

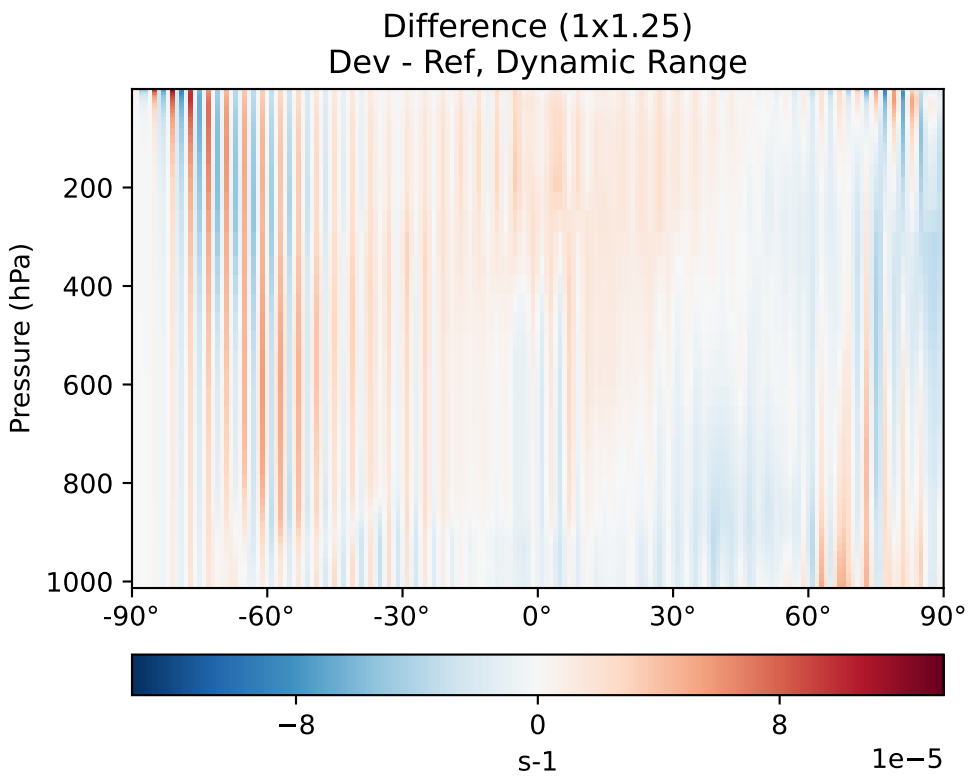


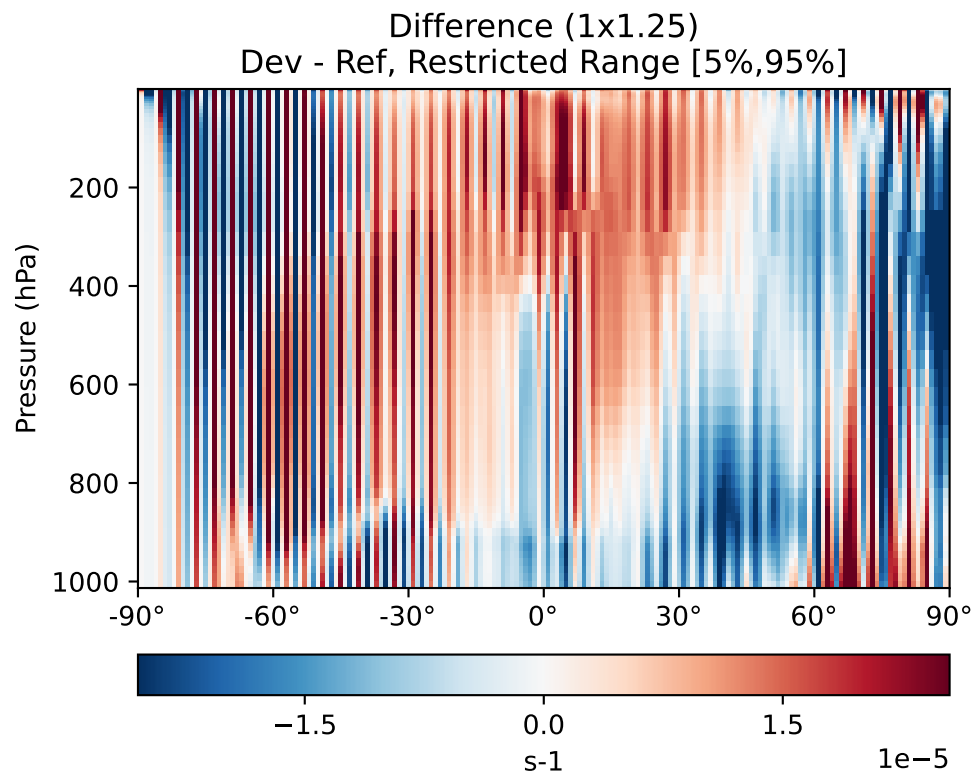


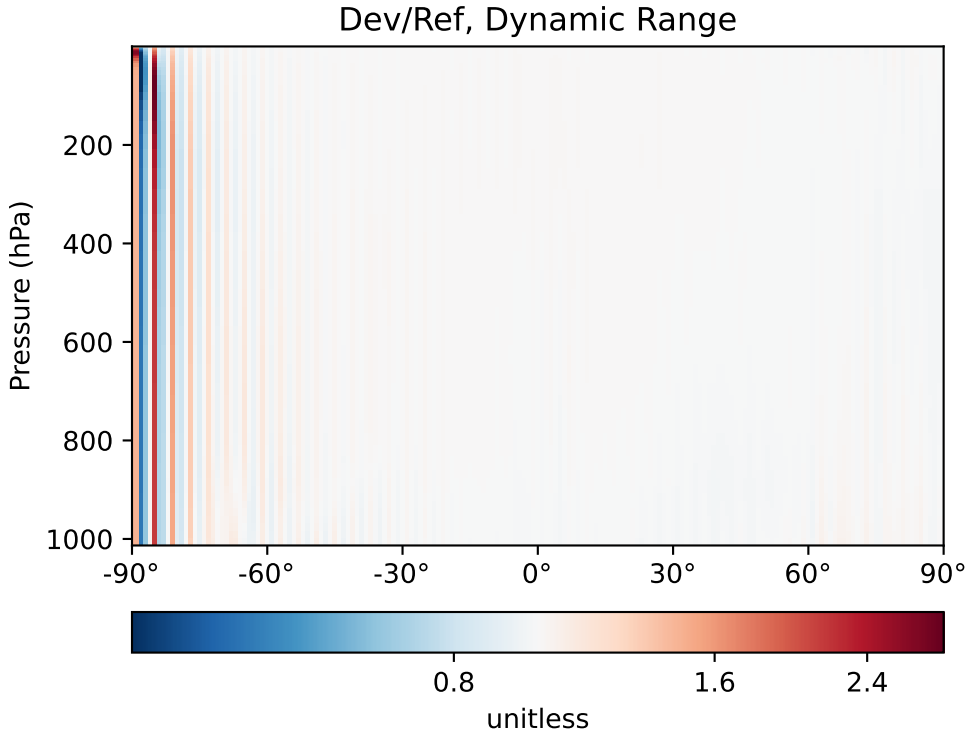
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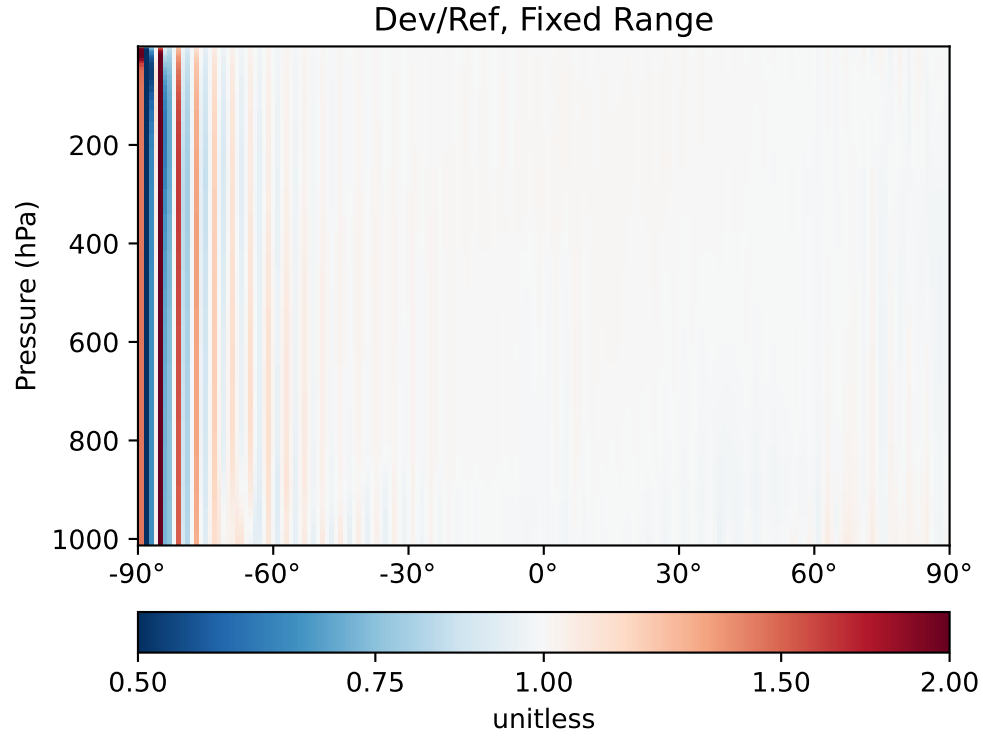




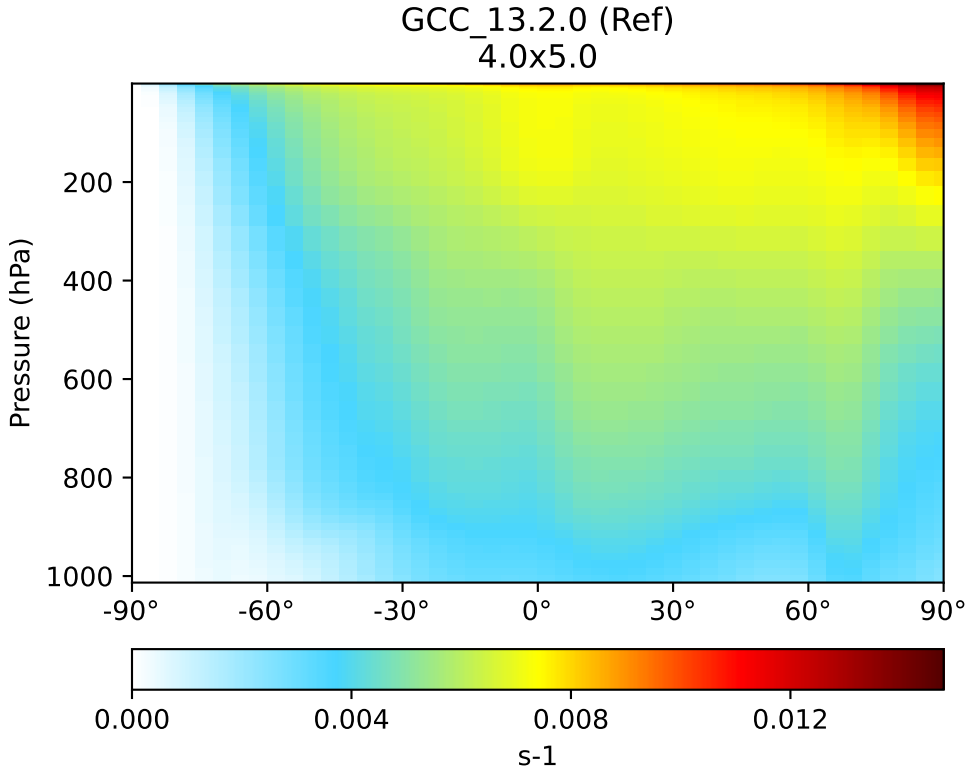


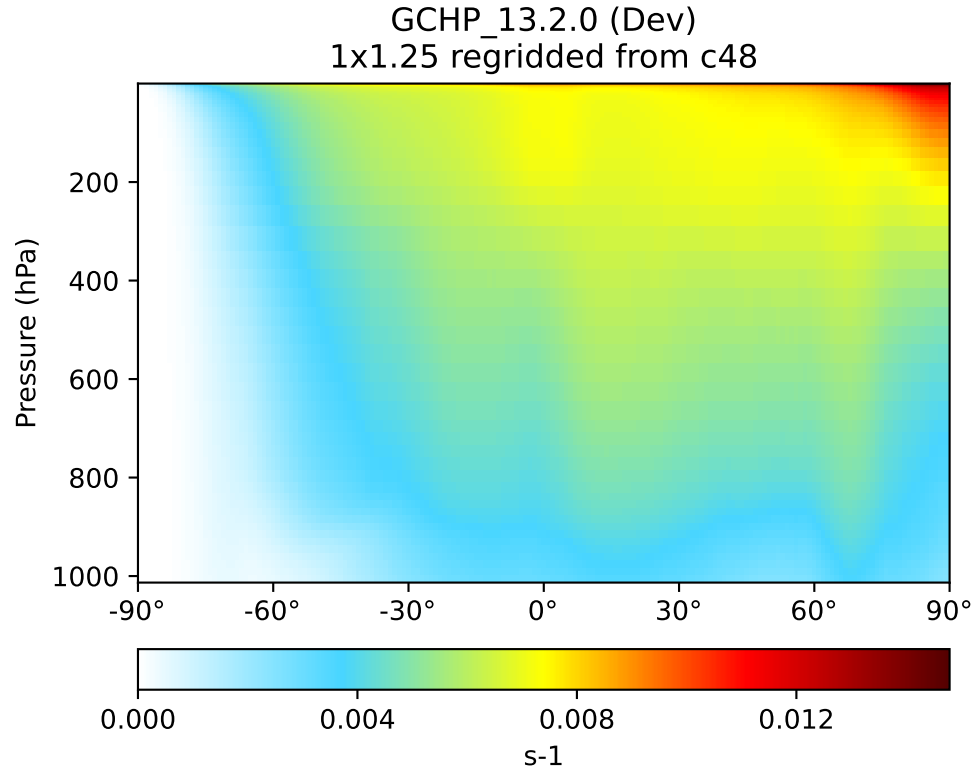


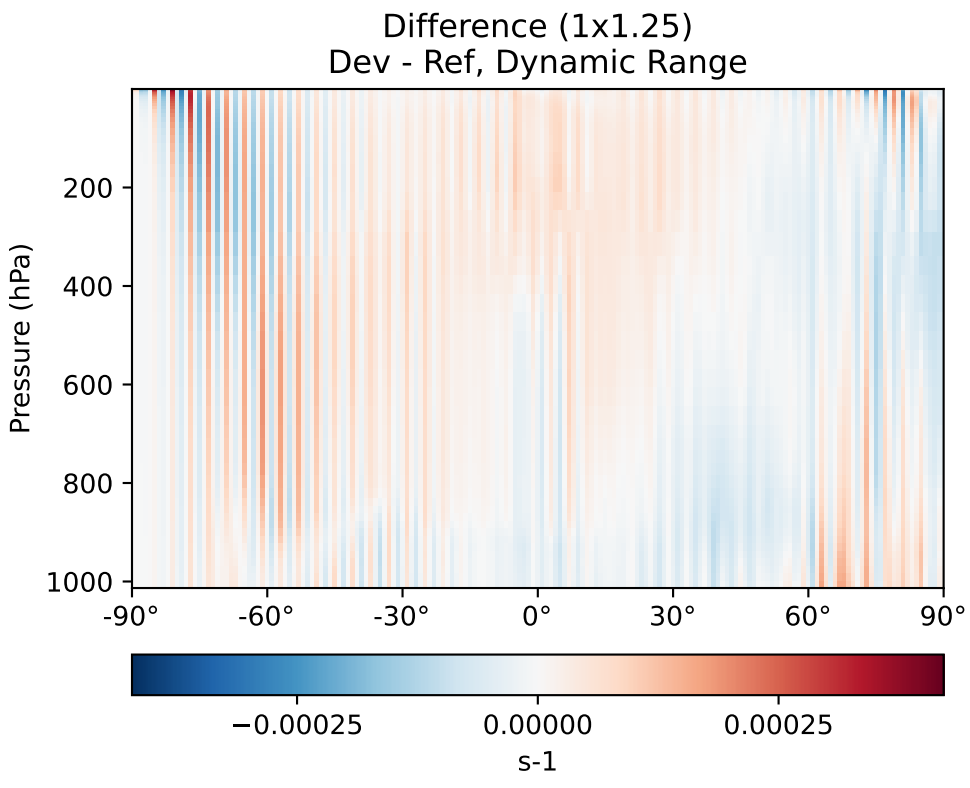


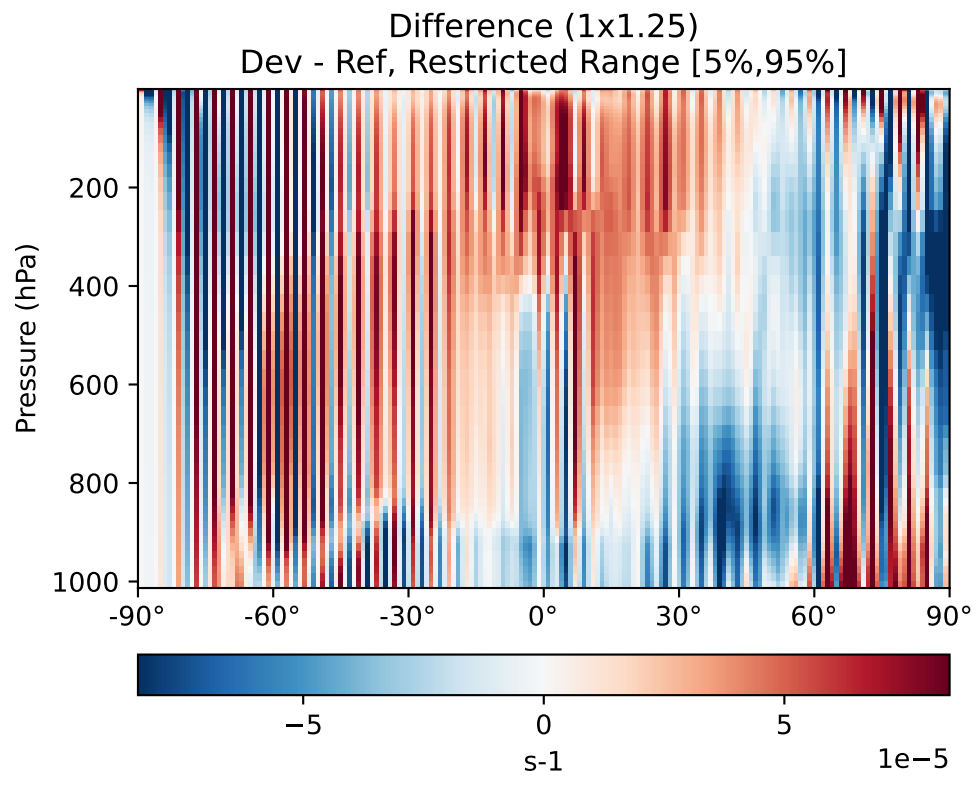


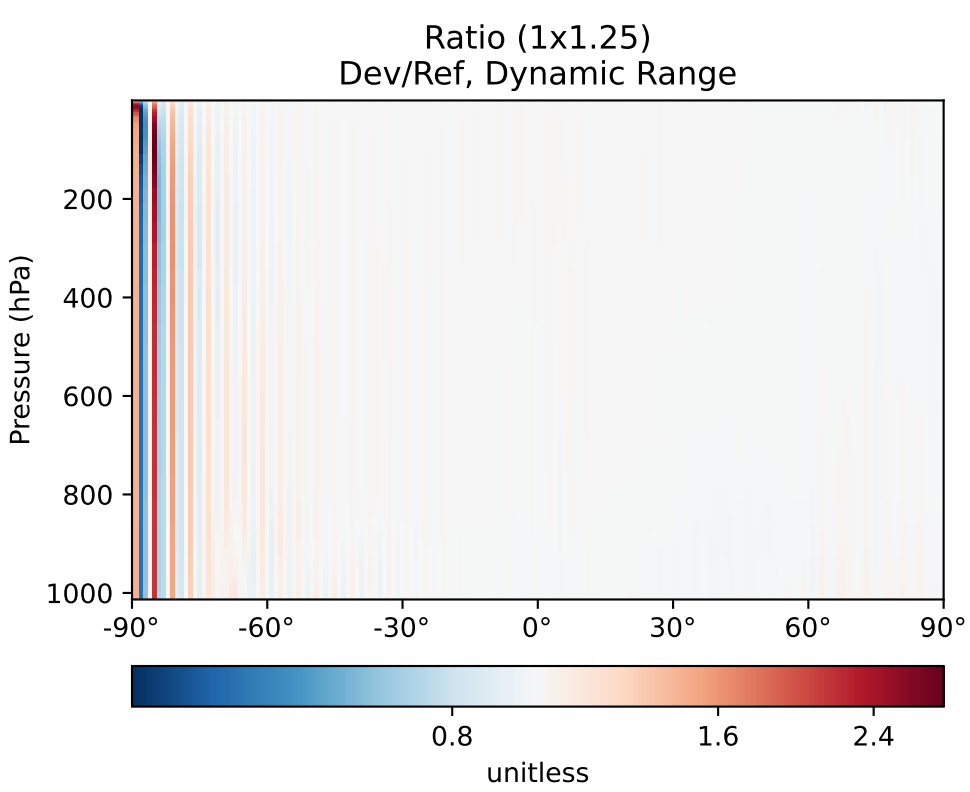
Jval_IONO2, Zonal Mean (Apr2019)

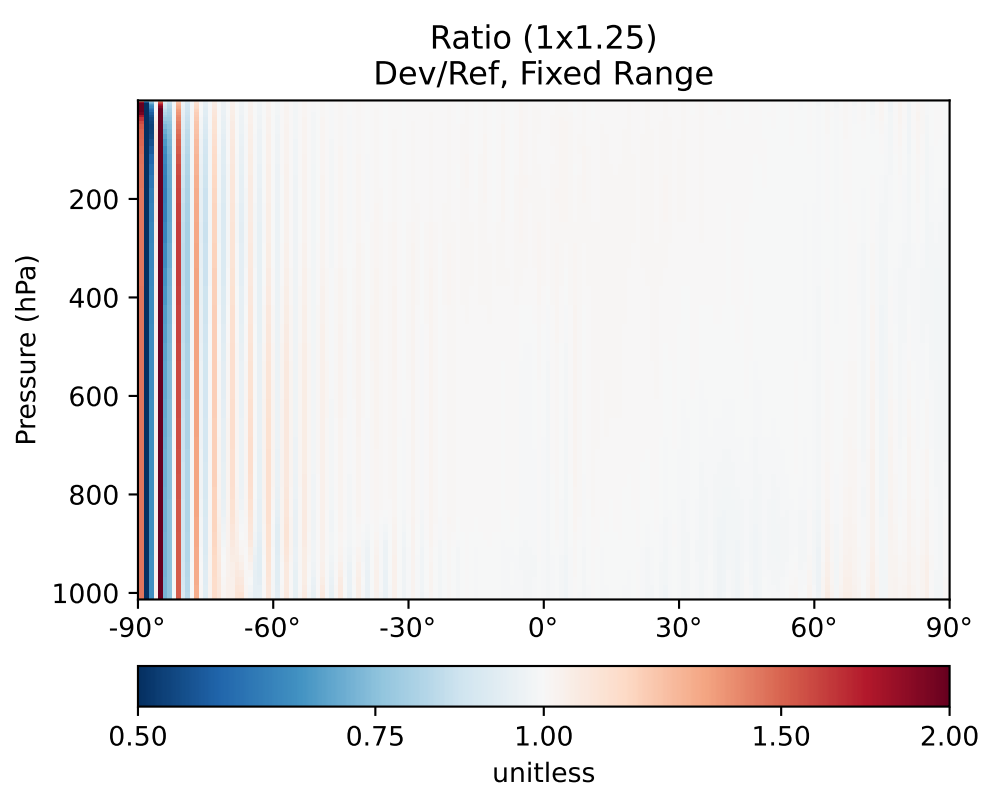




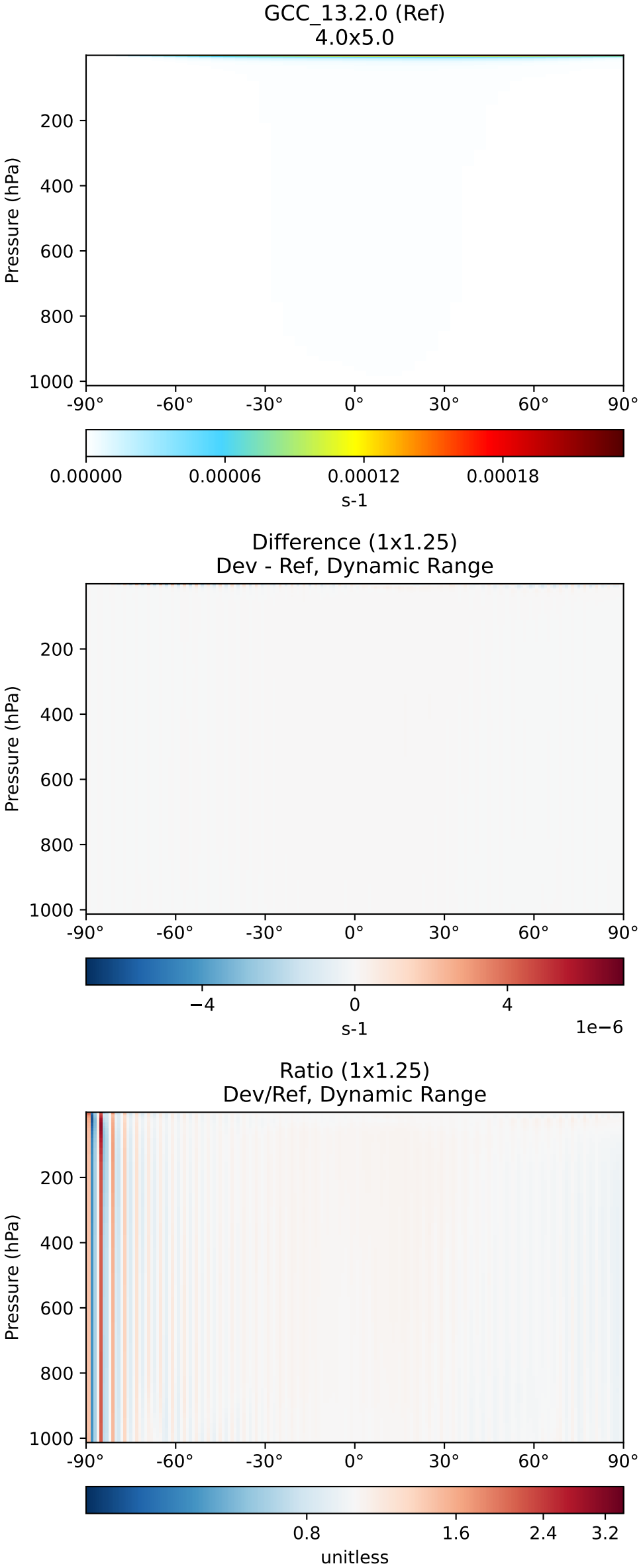


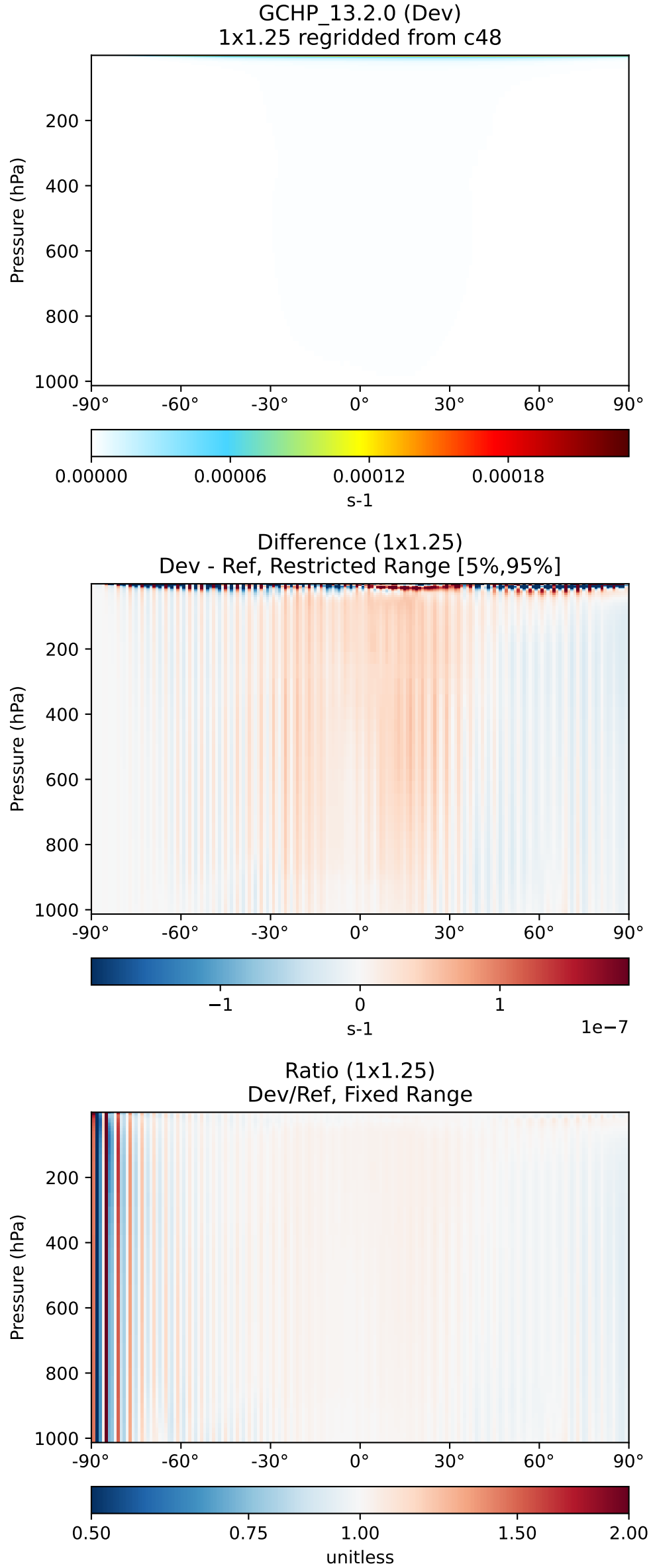




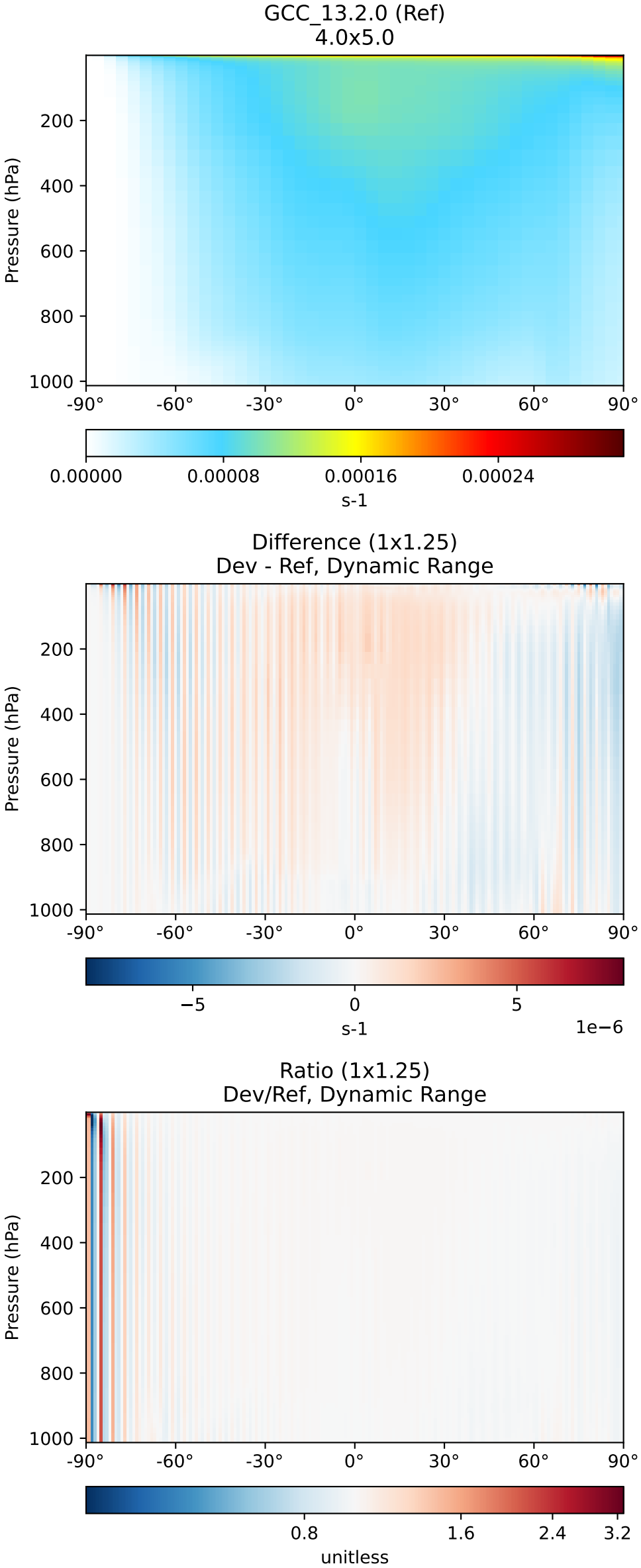


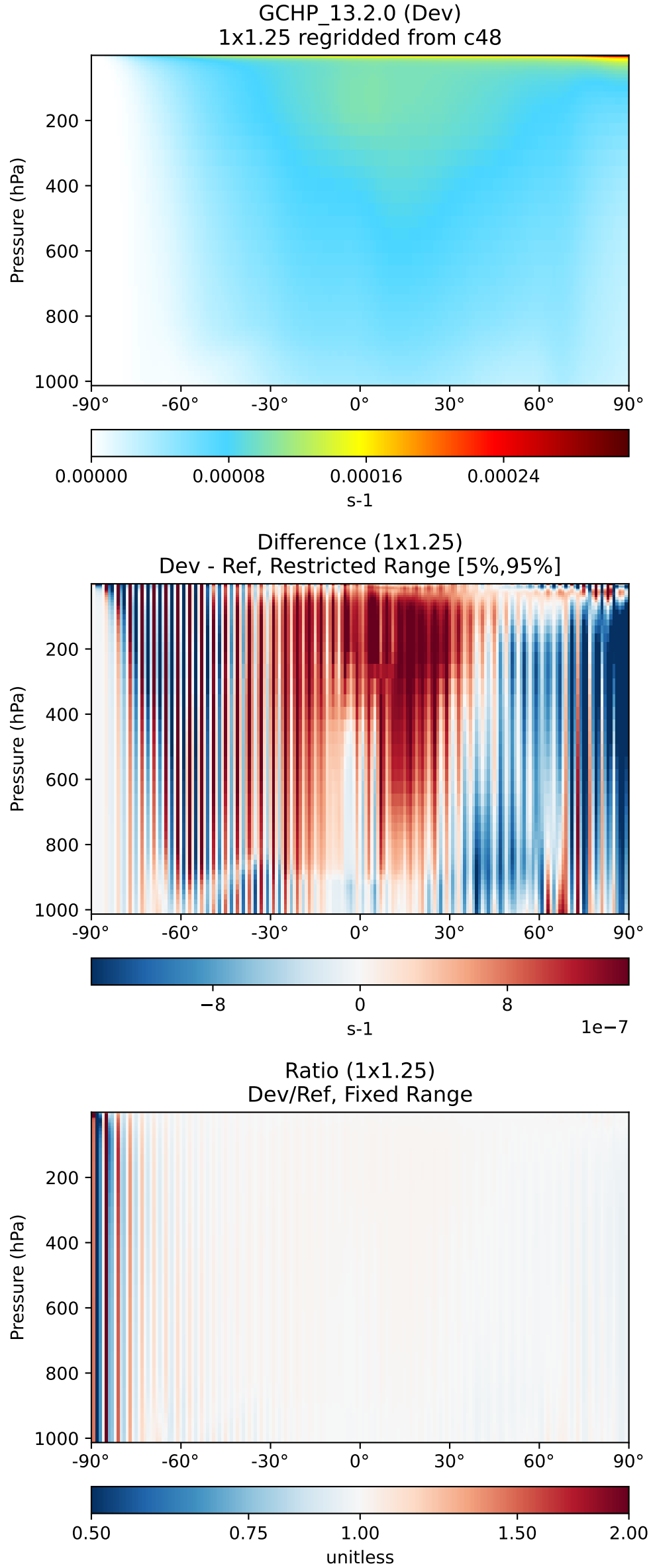
Jval_IPRNO3, Zonal Mean (Apr2019)



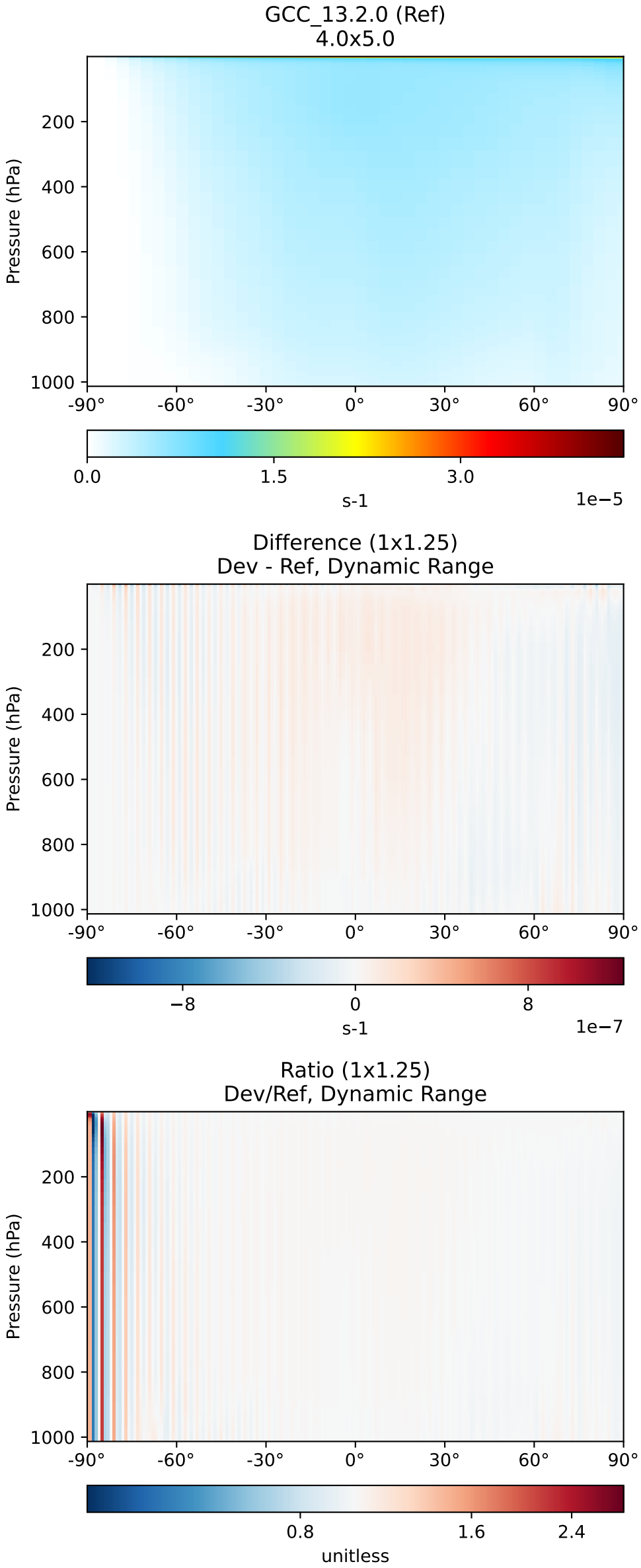


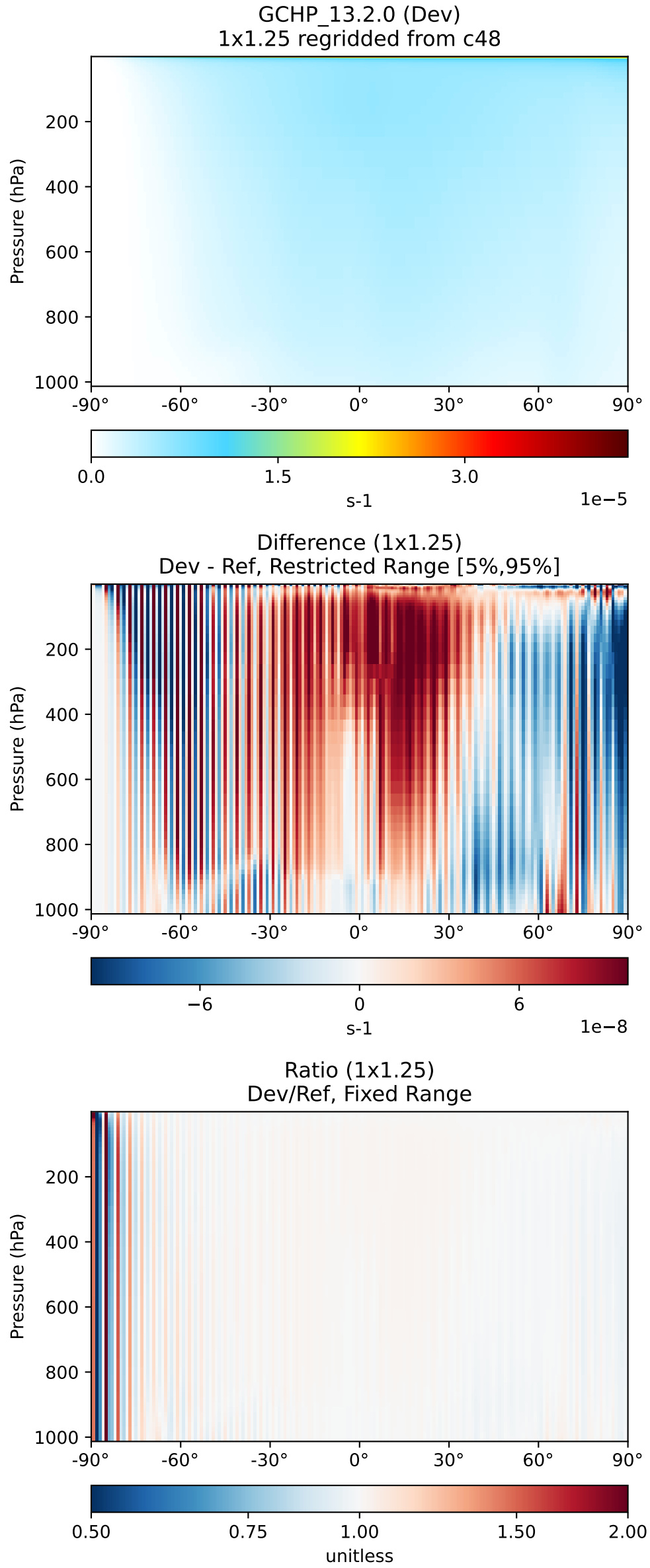
Jval_ITCN, Zonal Mean (Apr2019)



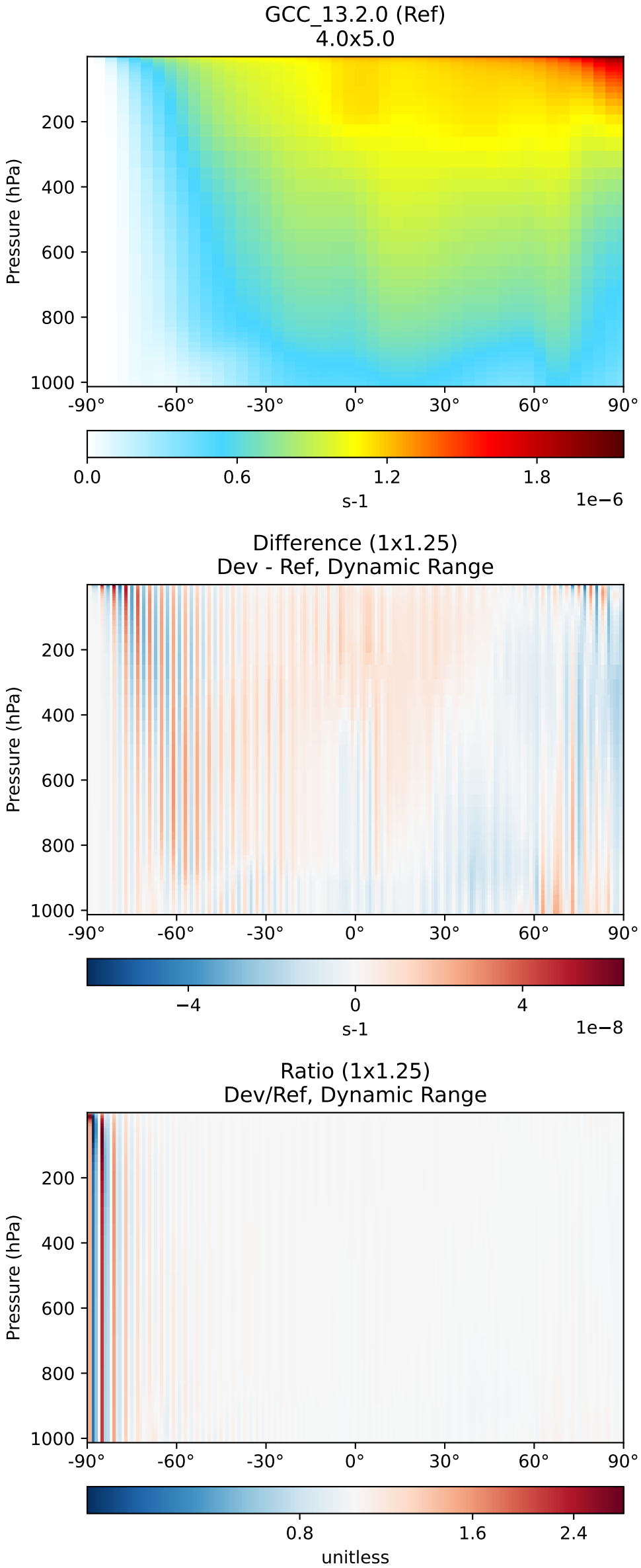


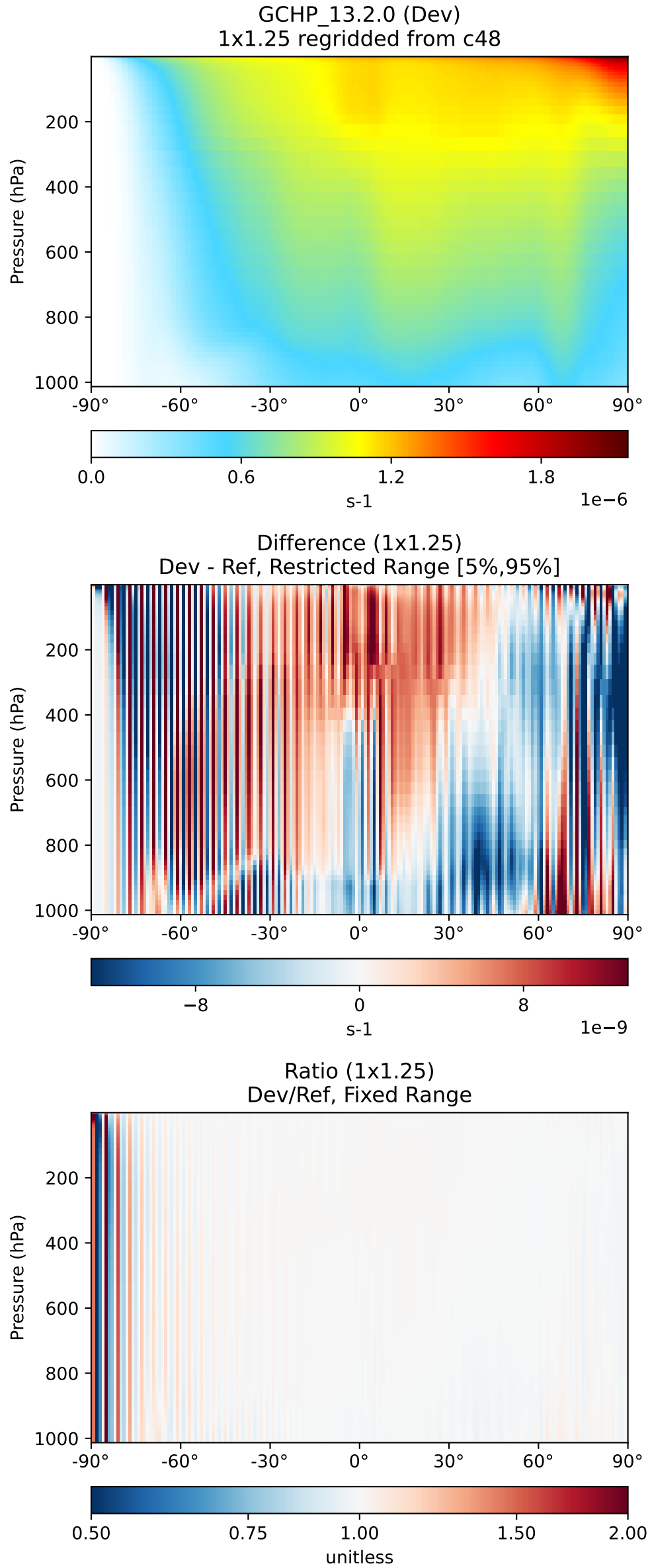
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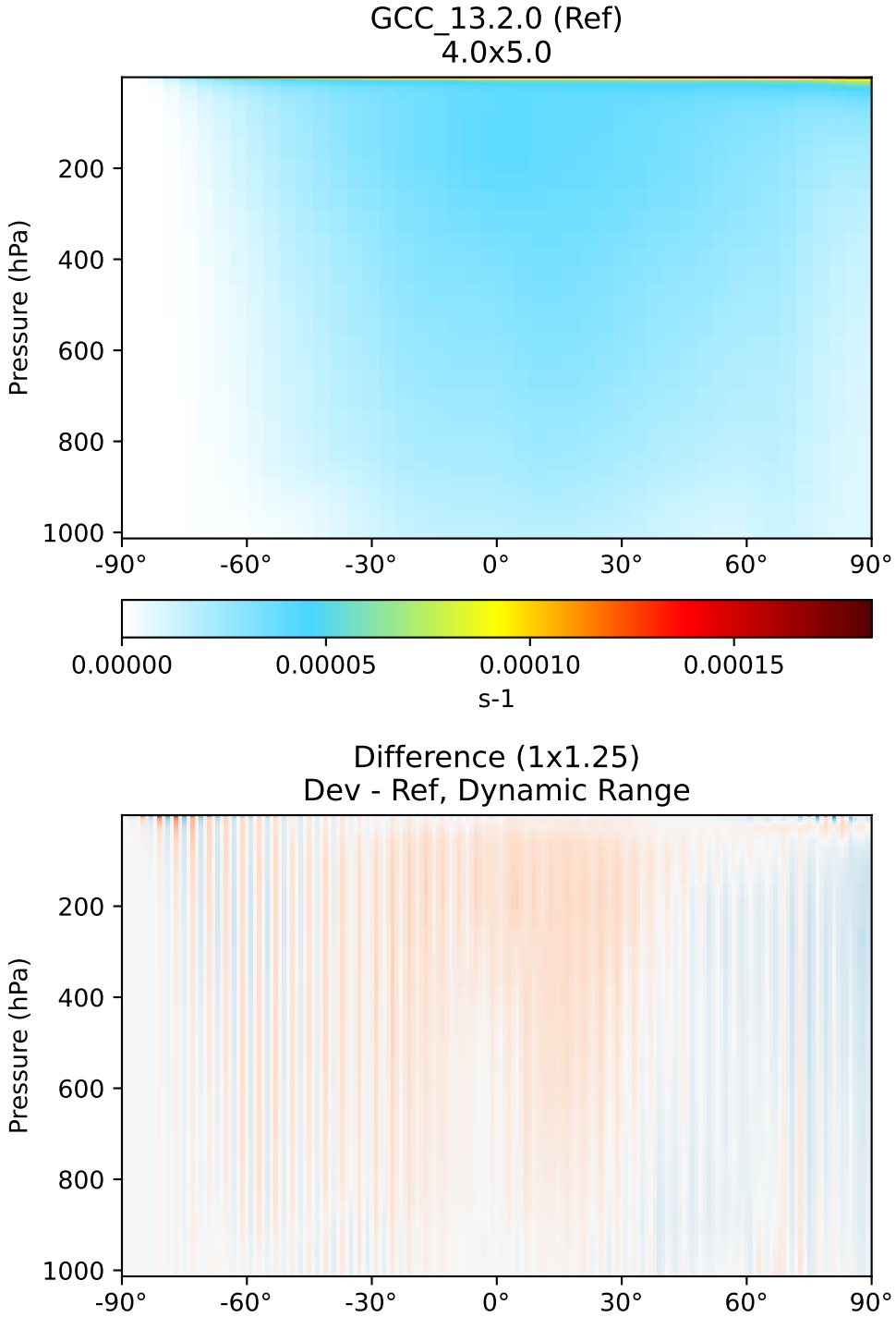


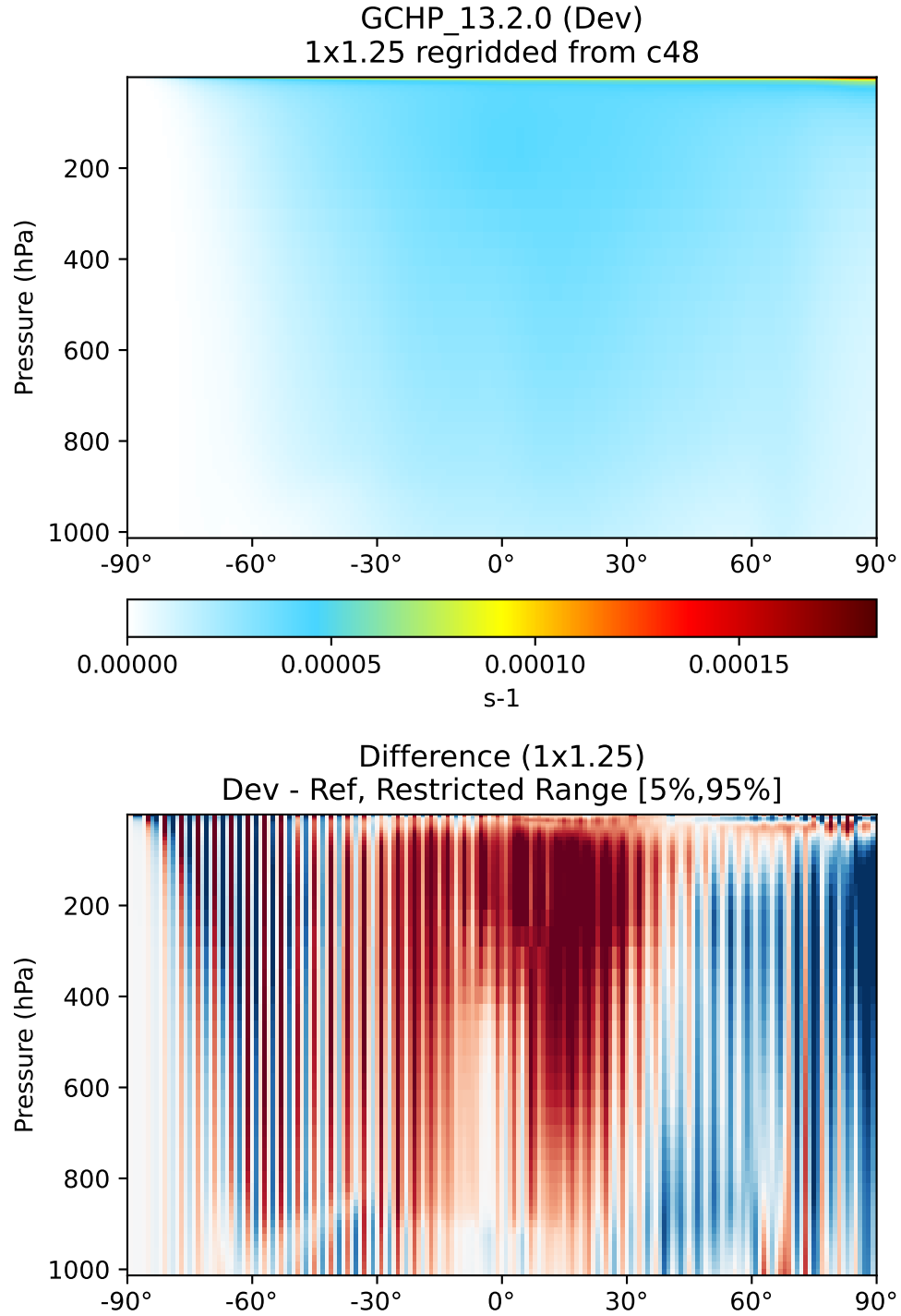
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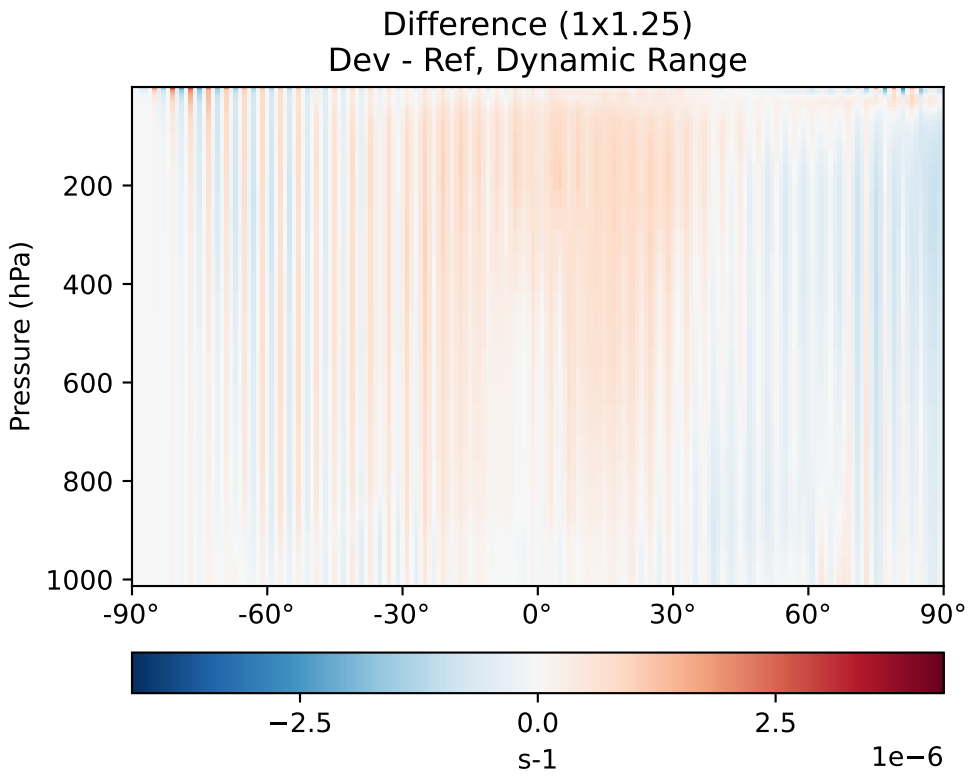


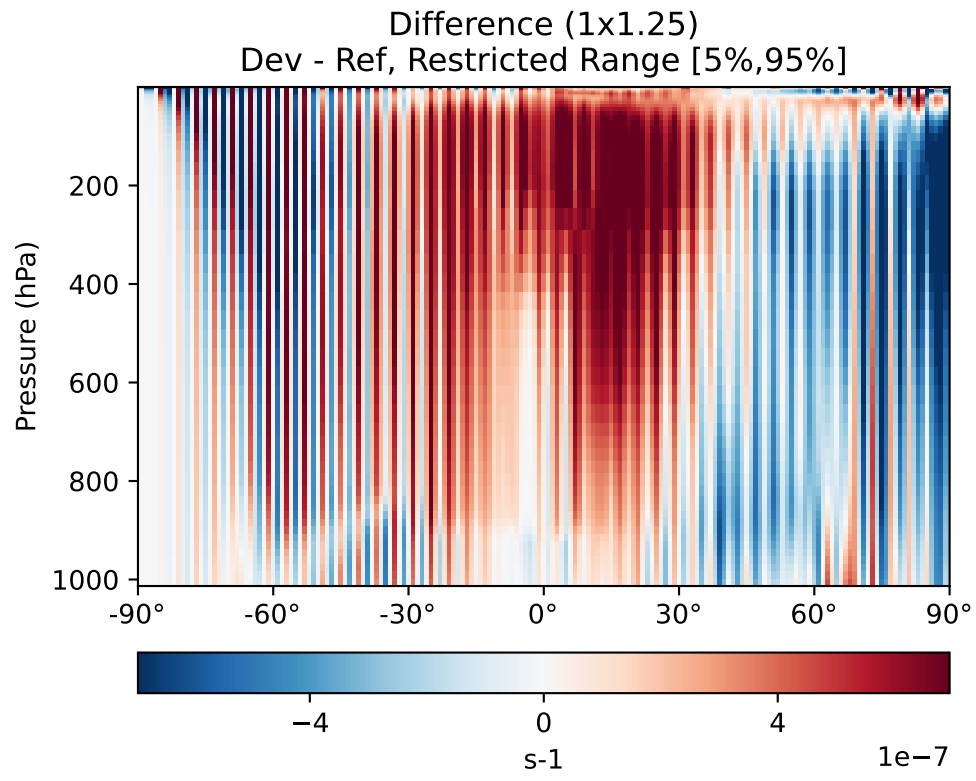


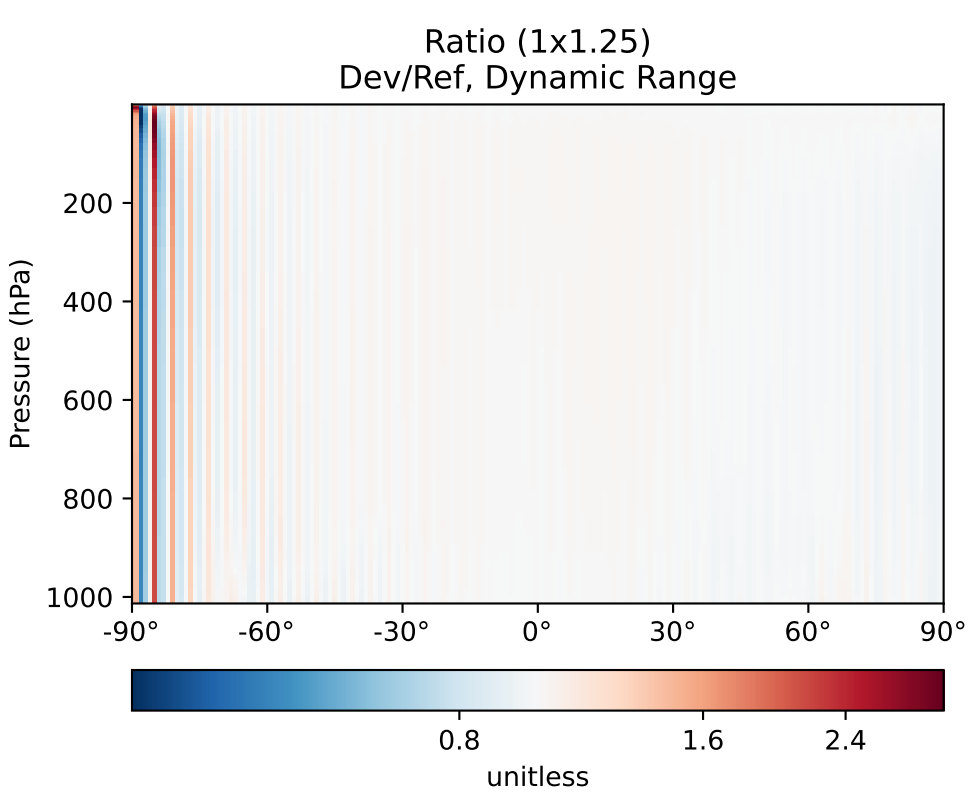
Jval_MACR1OOH, Zonal Mean (Apr2019)

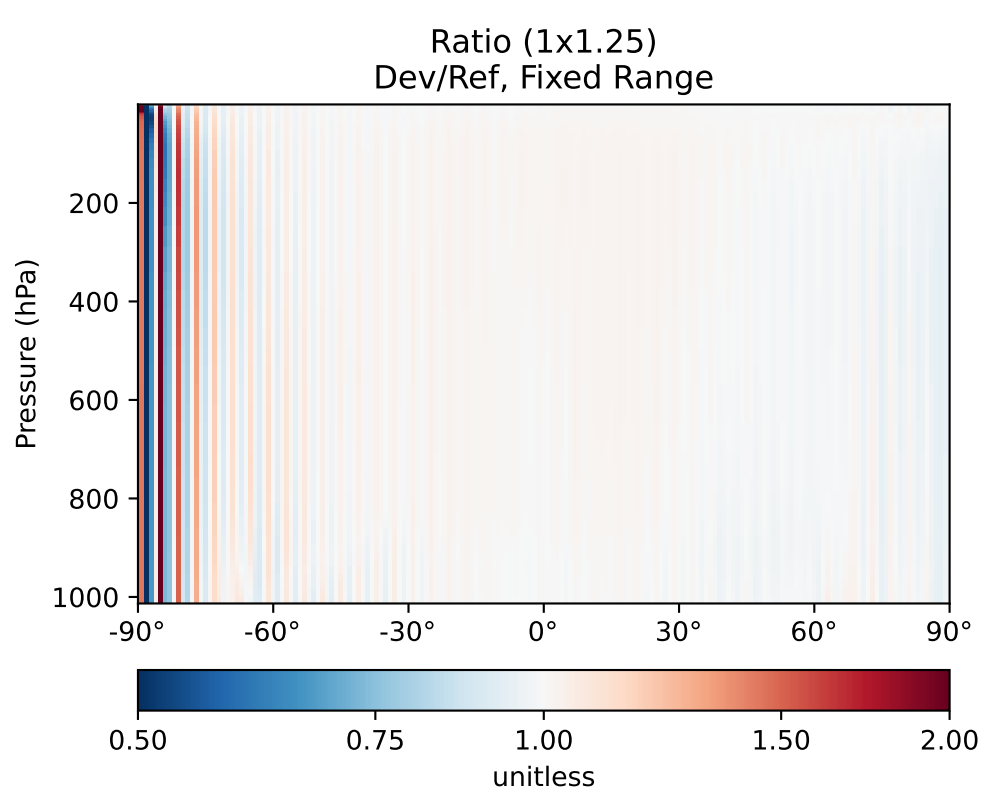




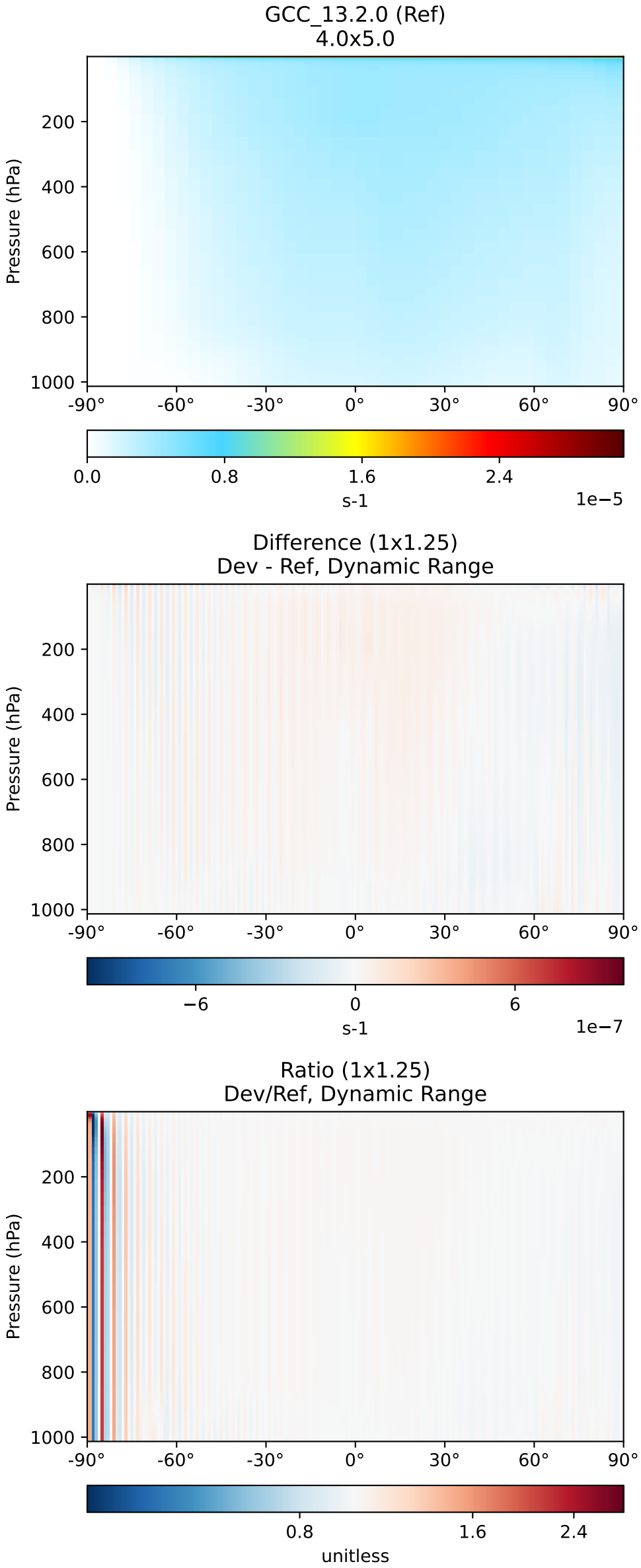


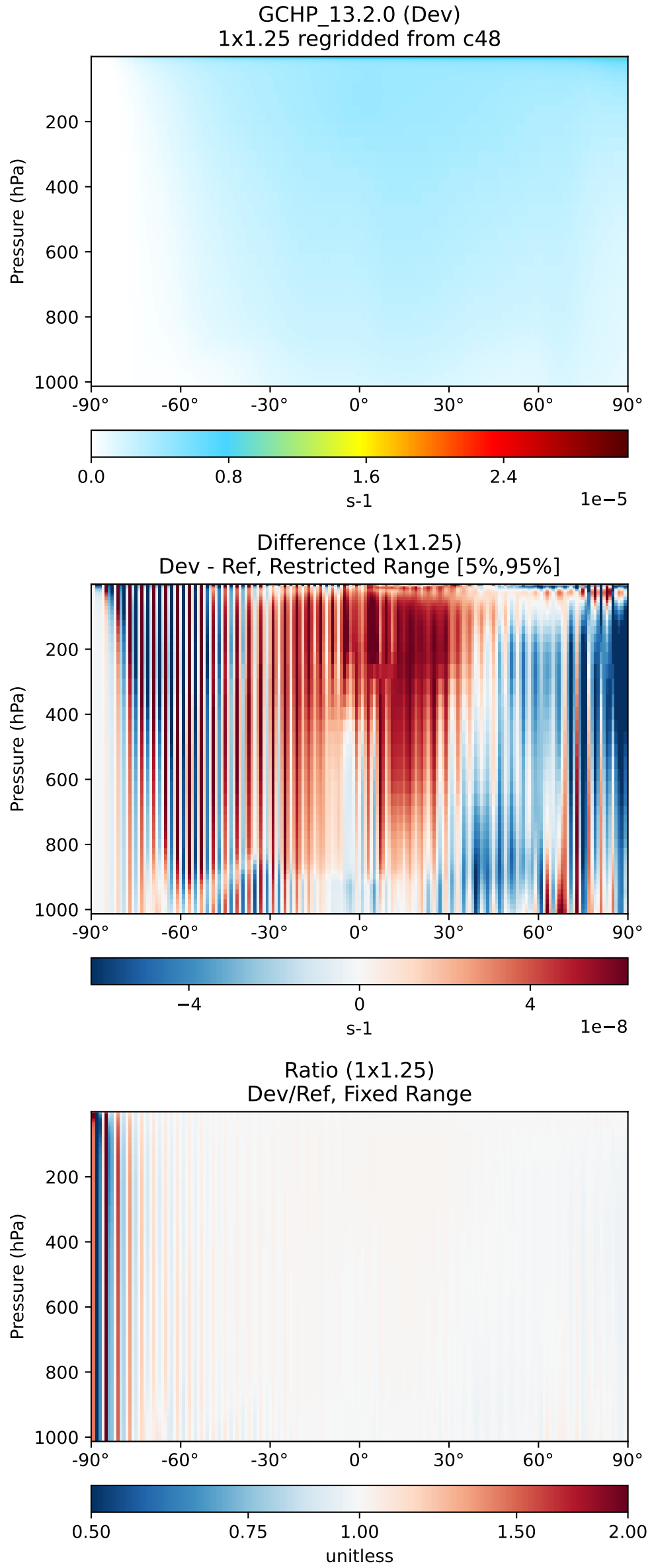




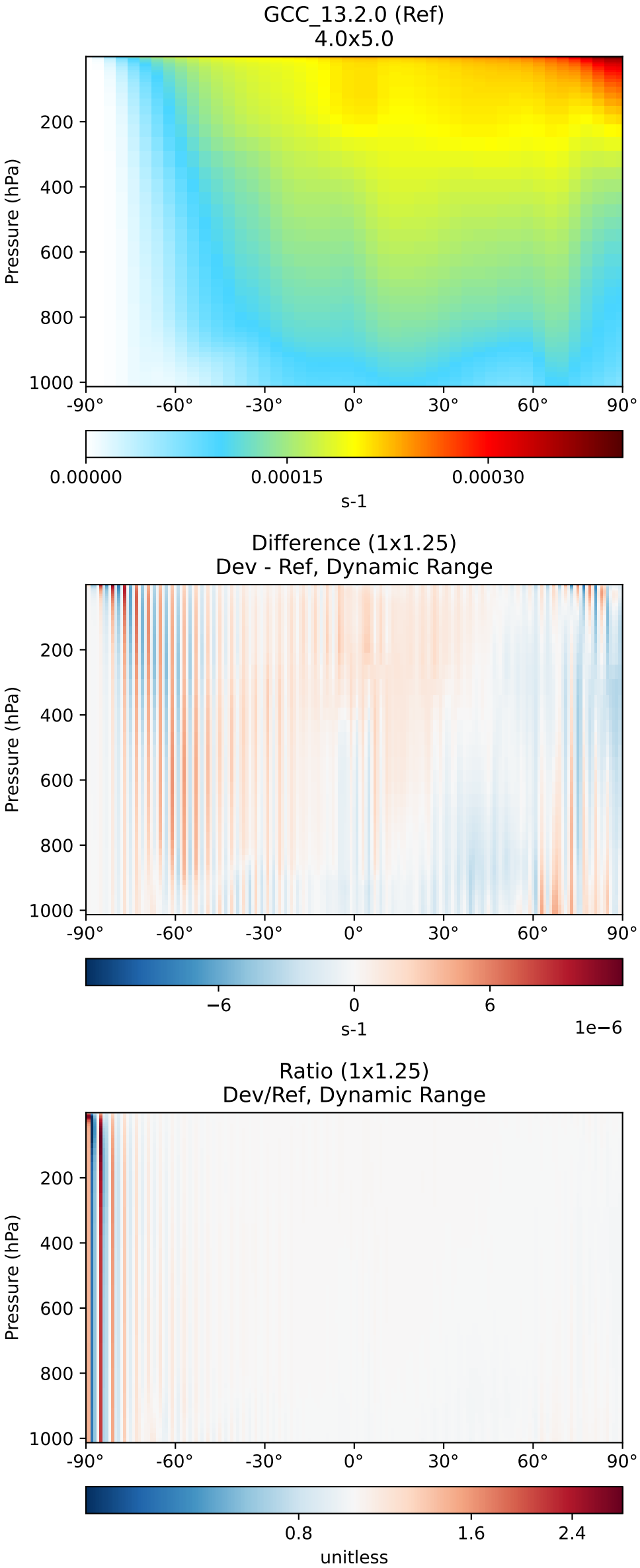


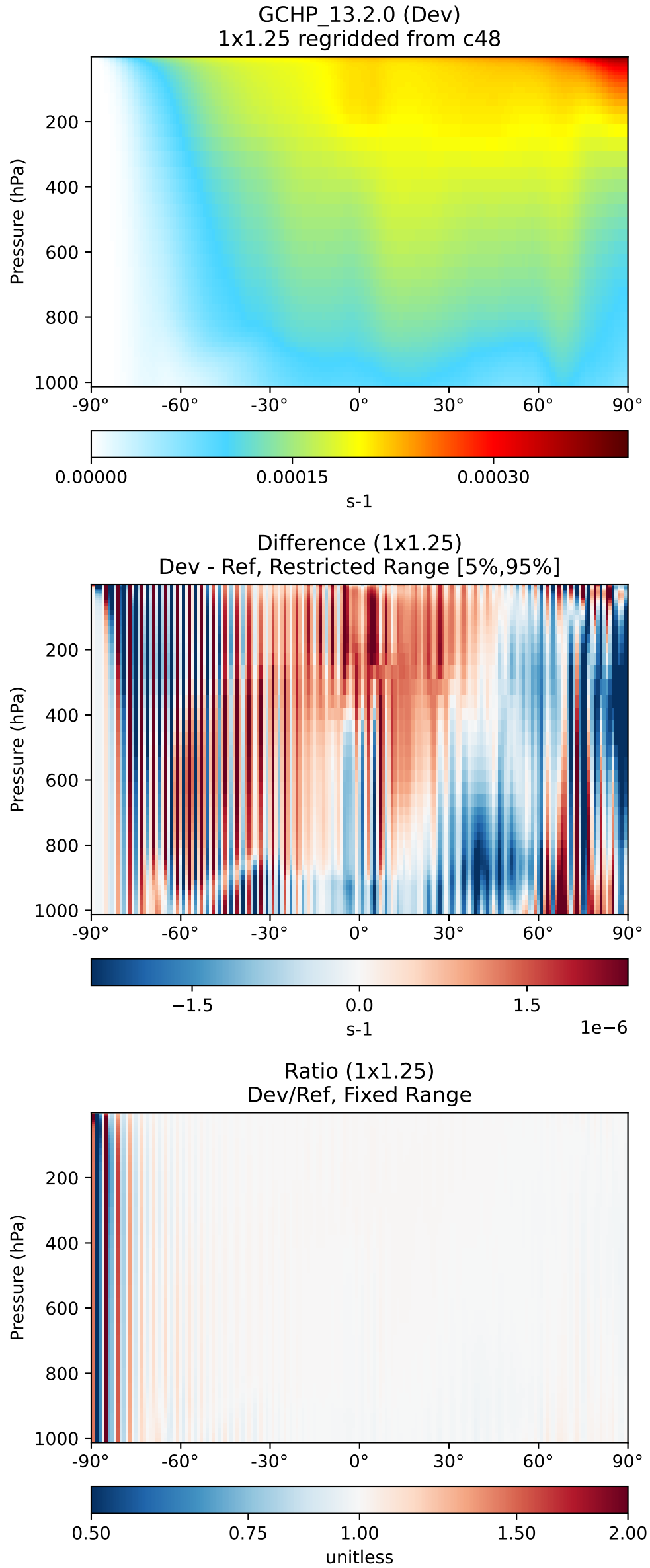
Jval_MAP, Zonal Mean (Apr2019)



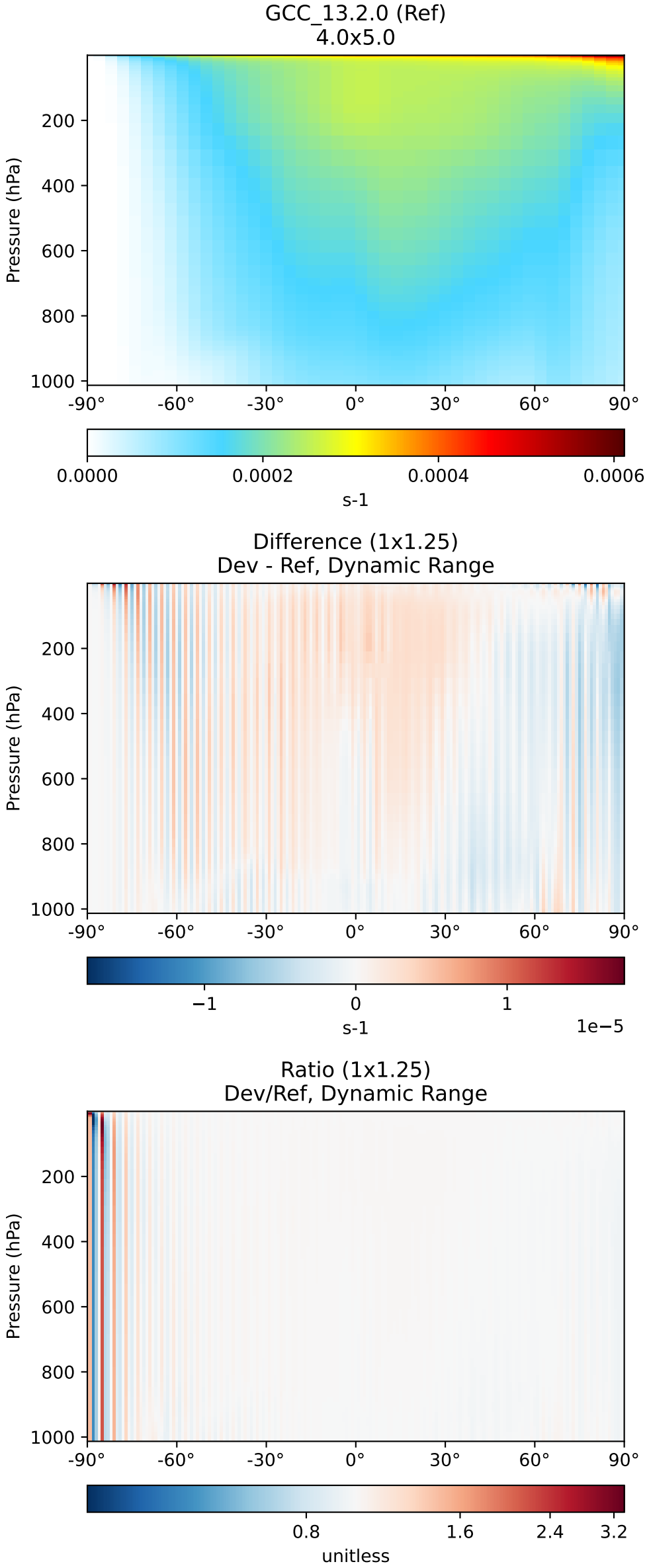


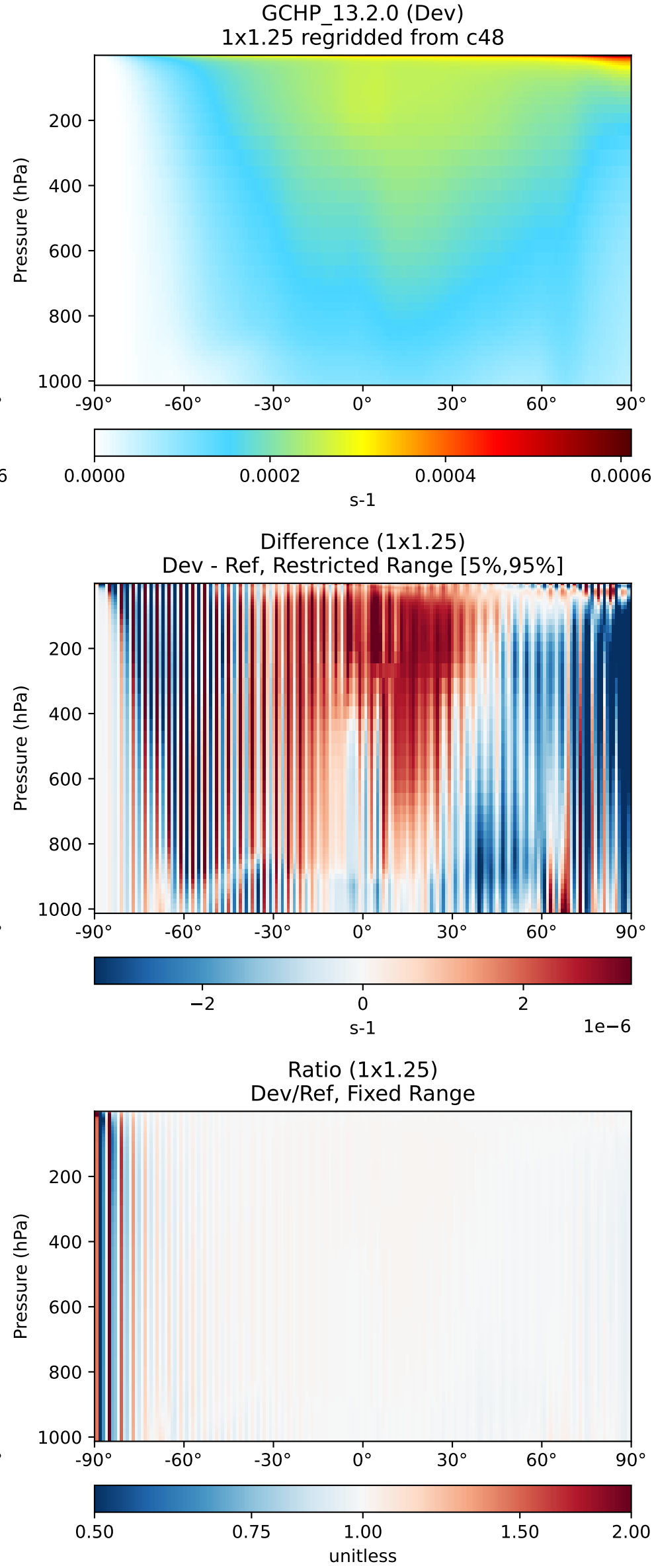
Jval_MCRENOL, Zonal Mean (Apr2019)



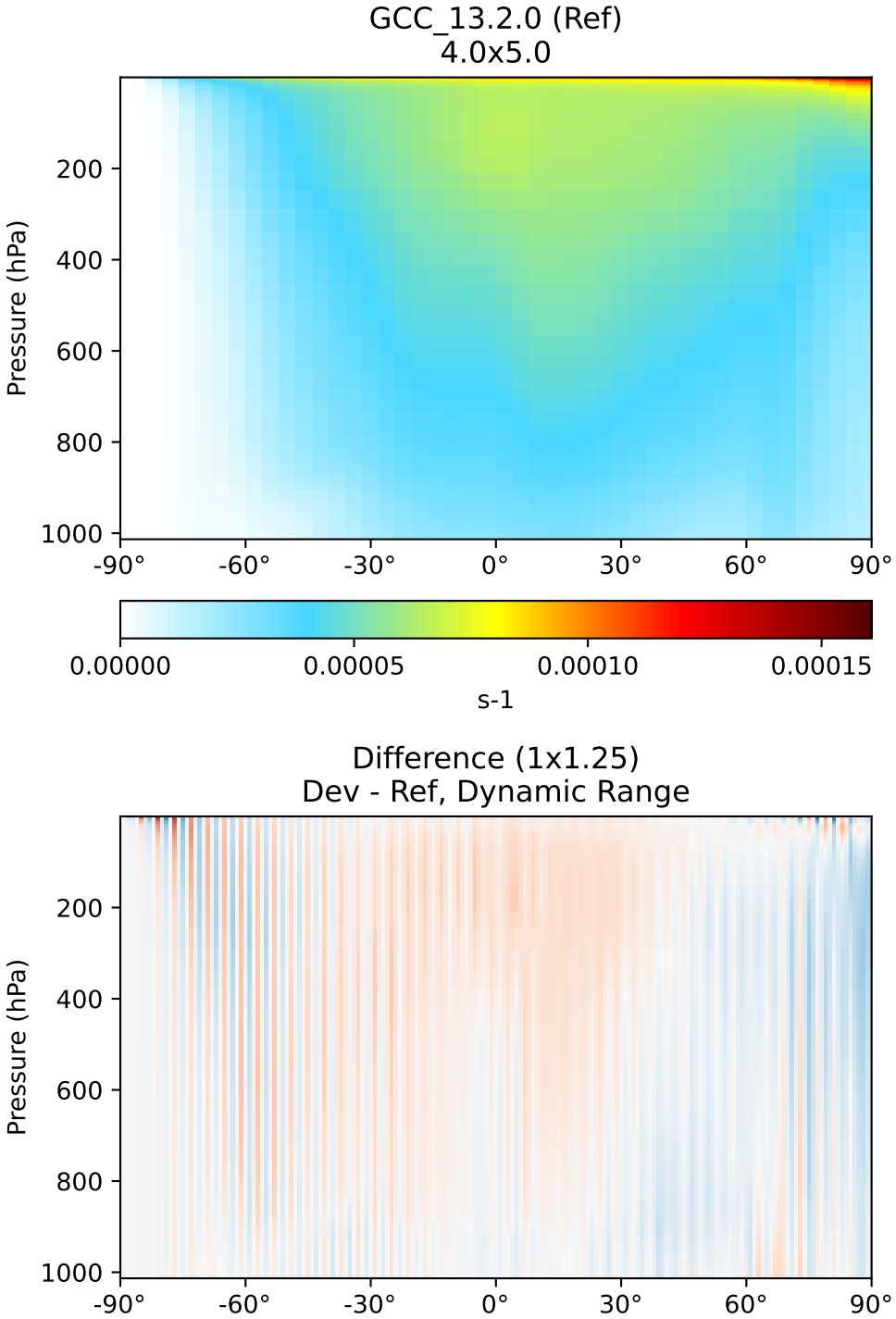


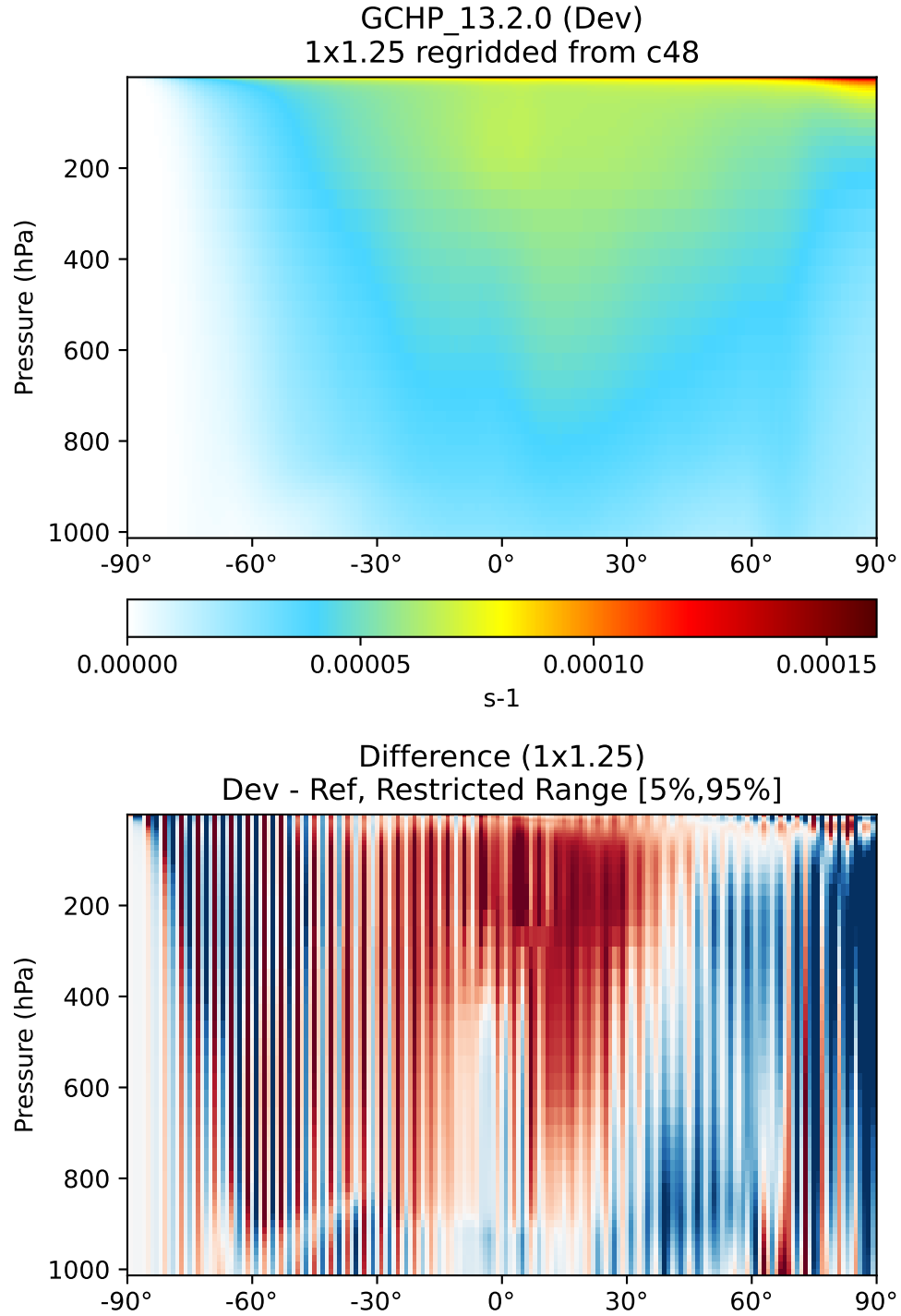
Jval_MCRHN, Zonal Mean (Apr2019)

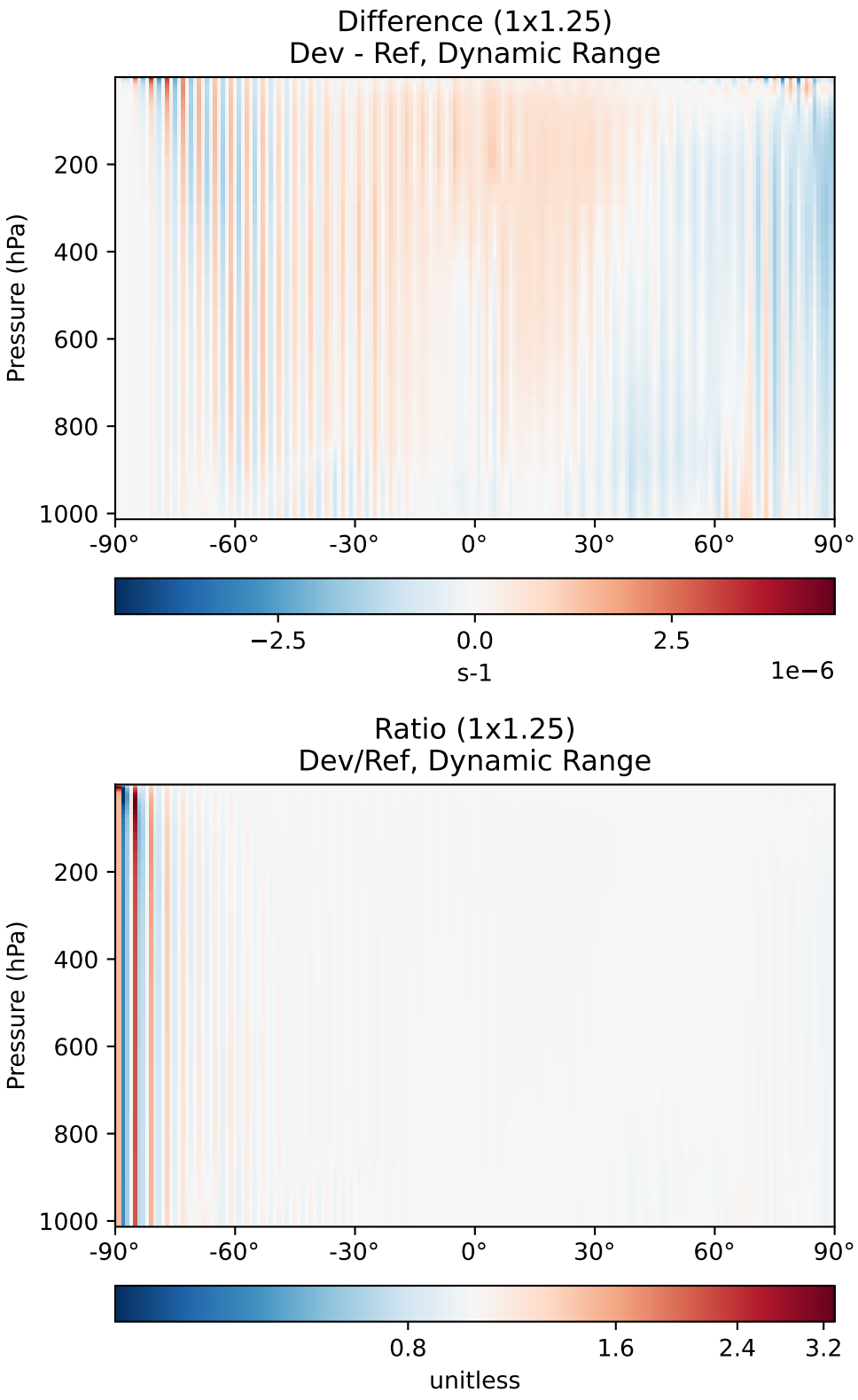


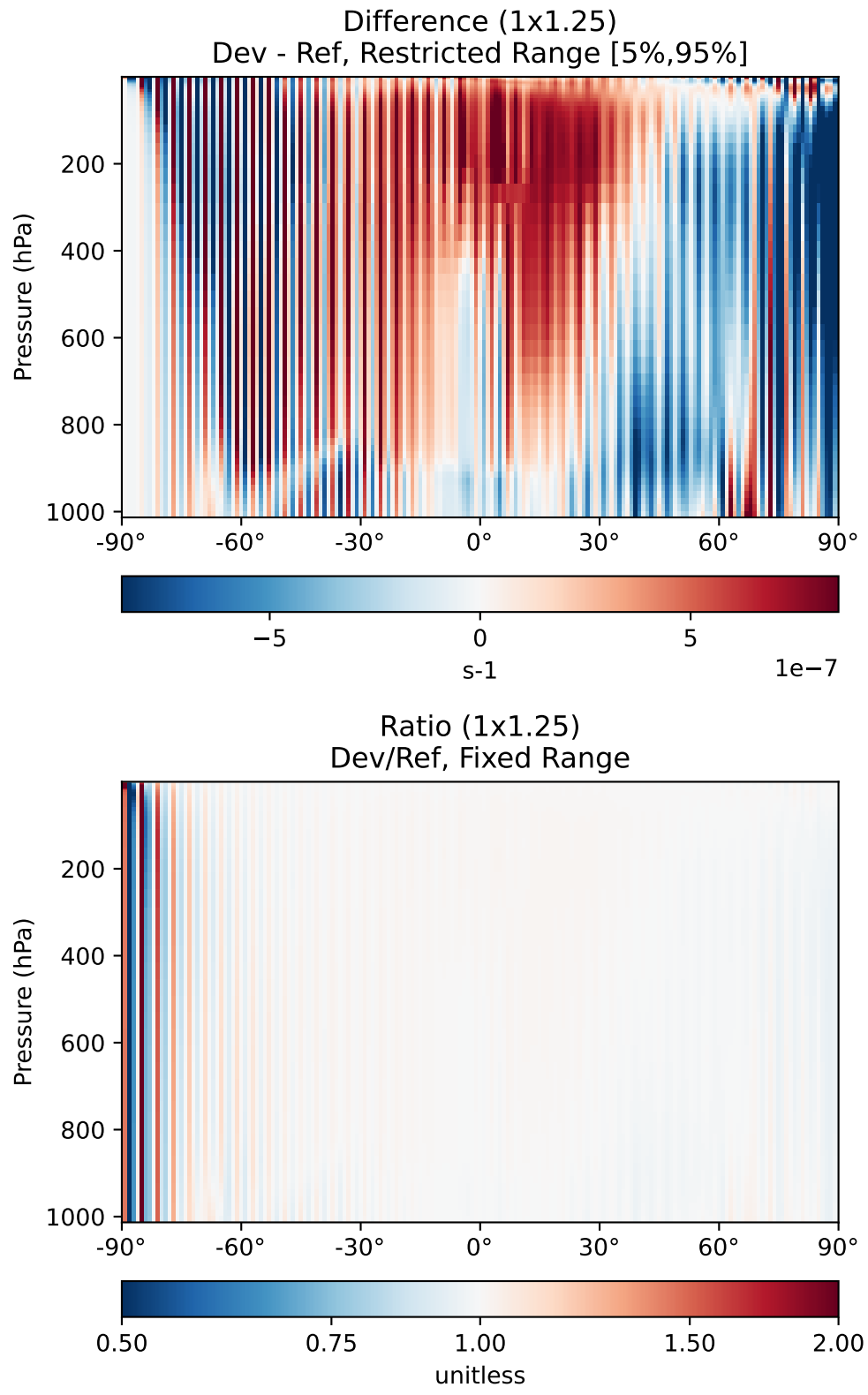


Jval_MCRHNB, Zonal Mean (Apr2019)

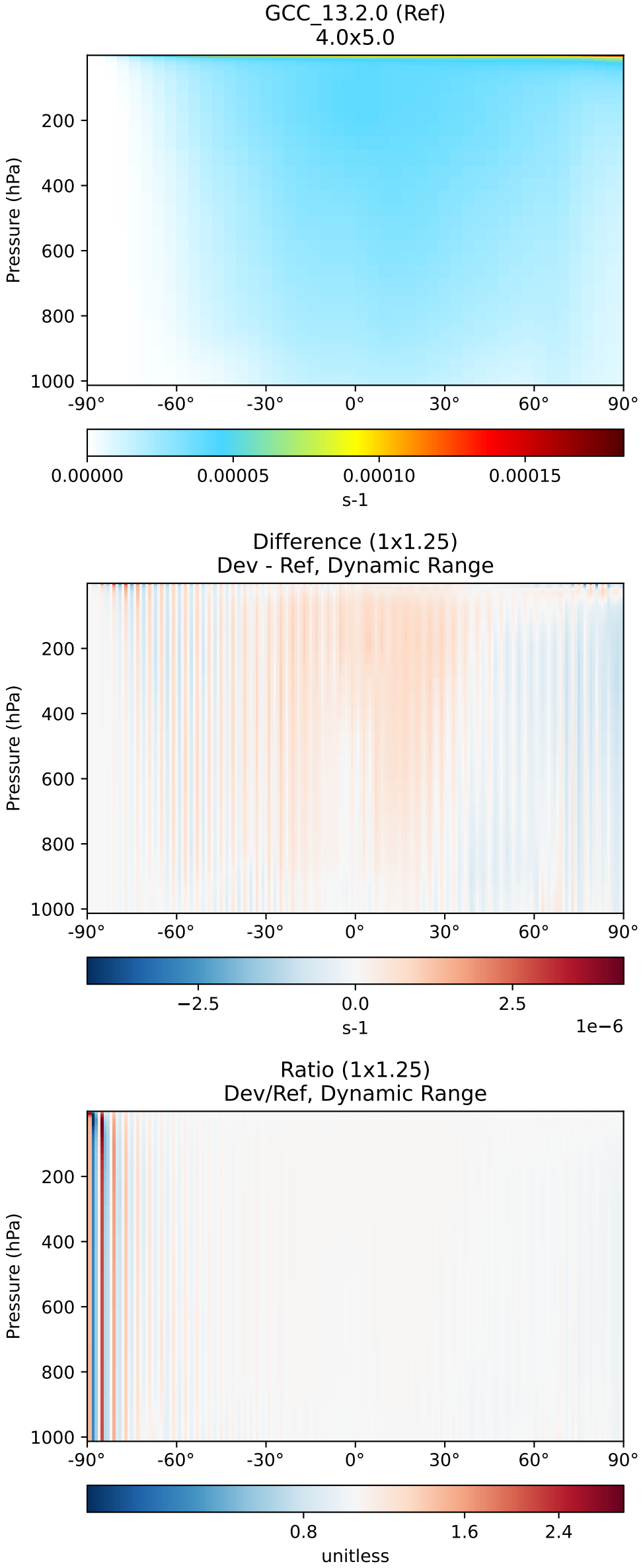


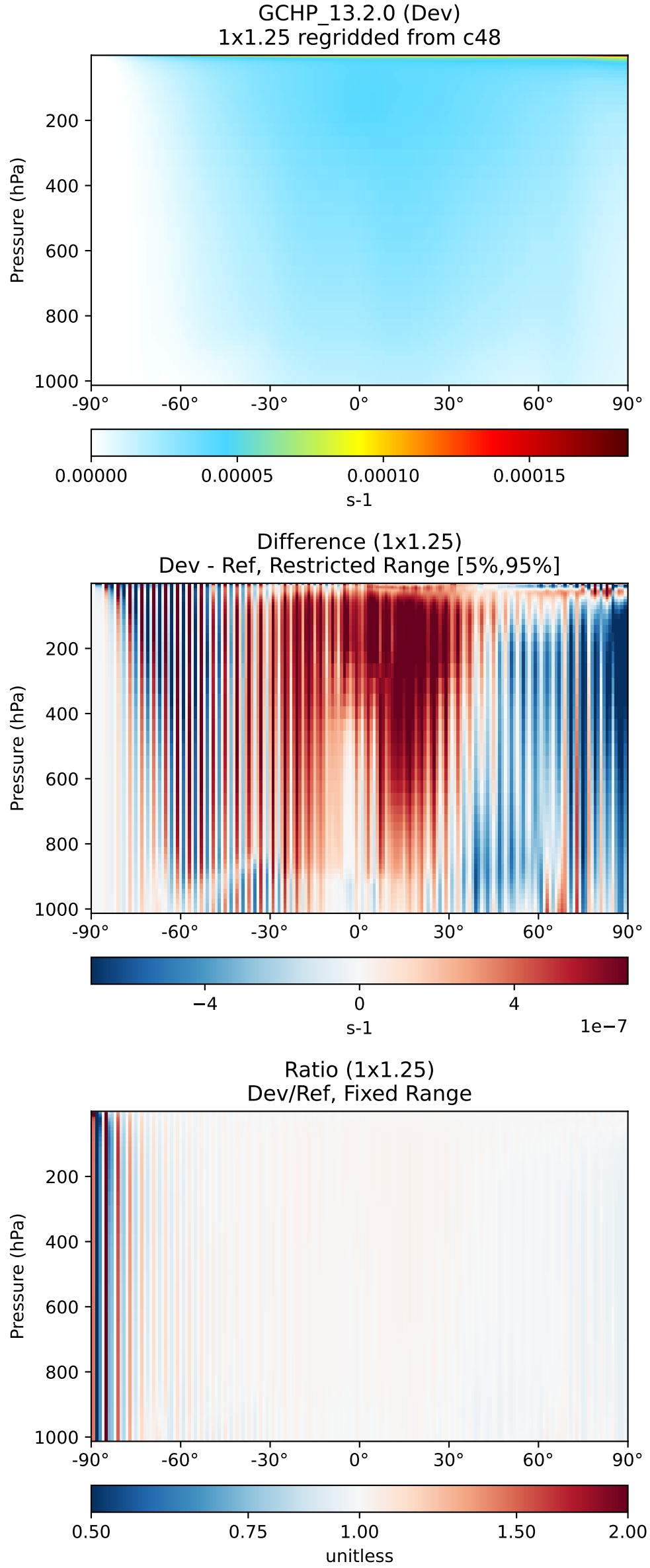




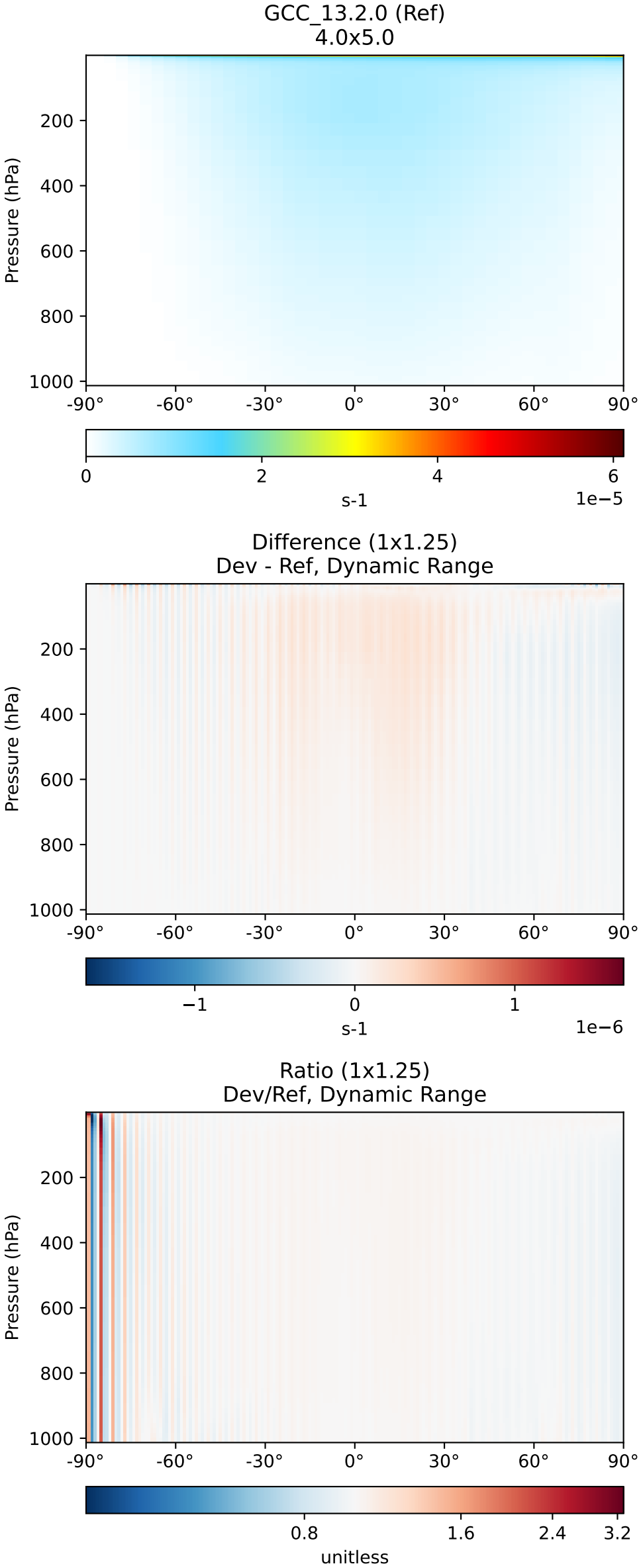


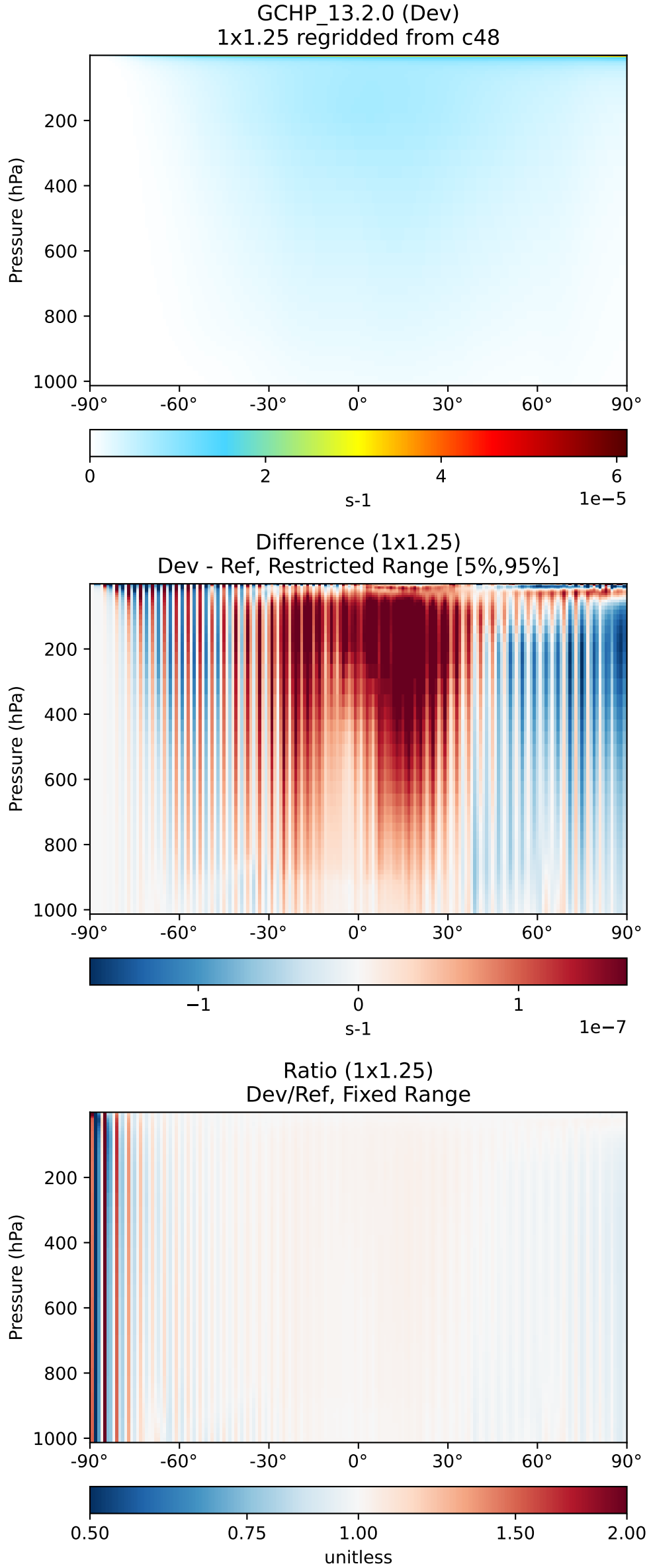
Jval_MCRHP, Zonal Mean (Apr2019)



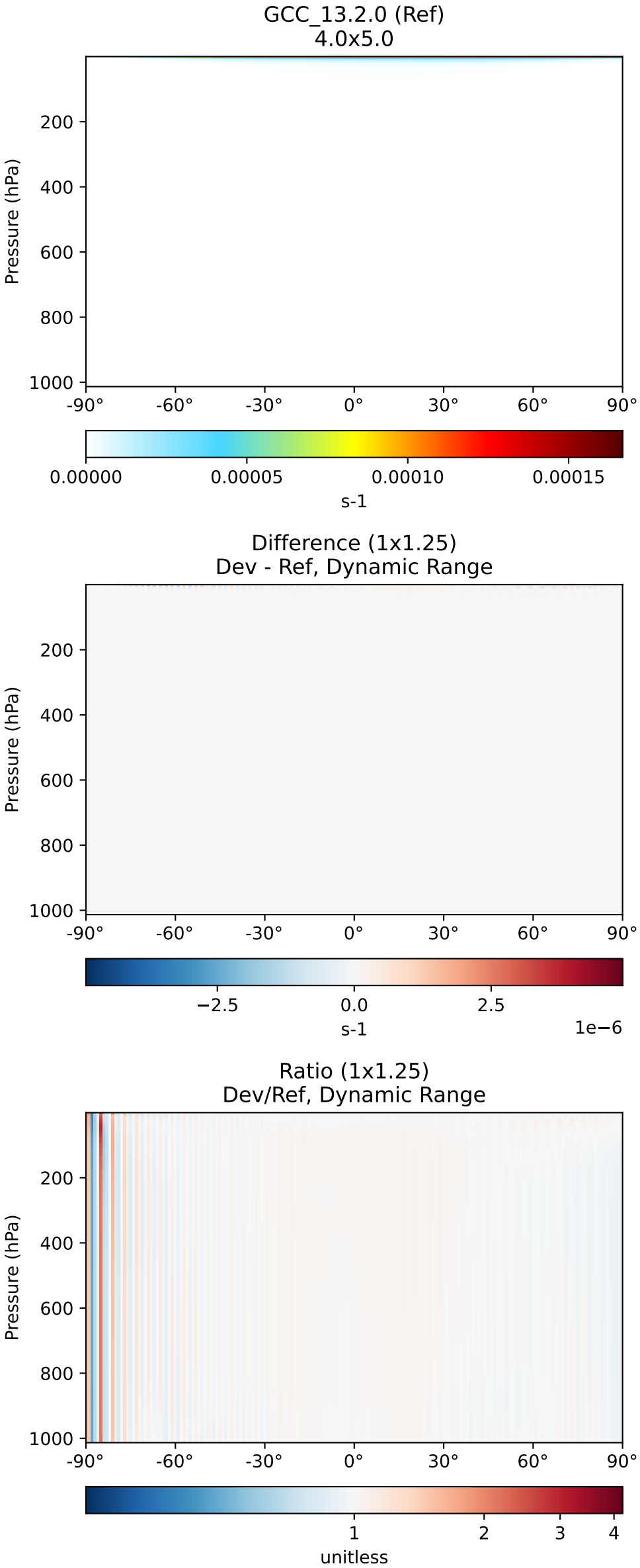


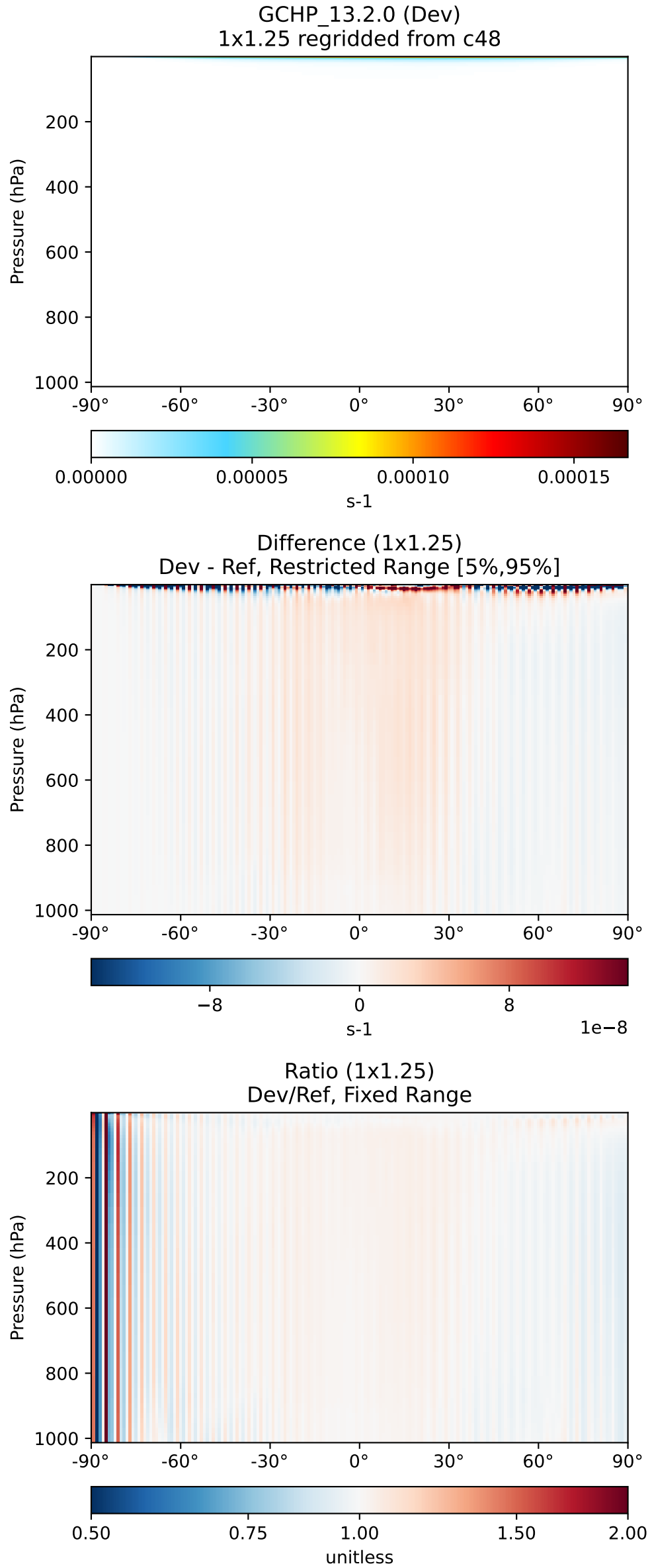
Jval_MEK, Zonal Mean (Apr2019)



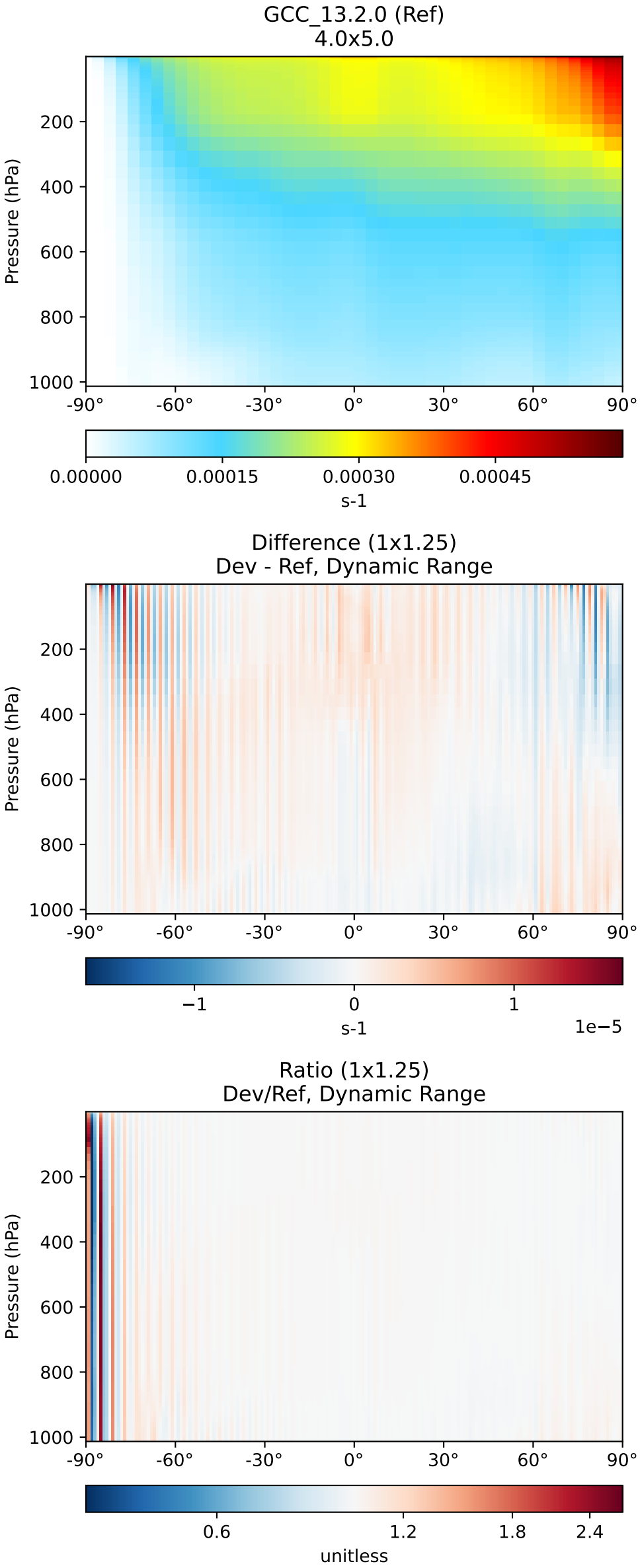


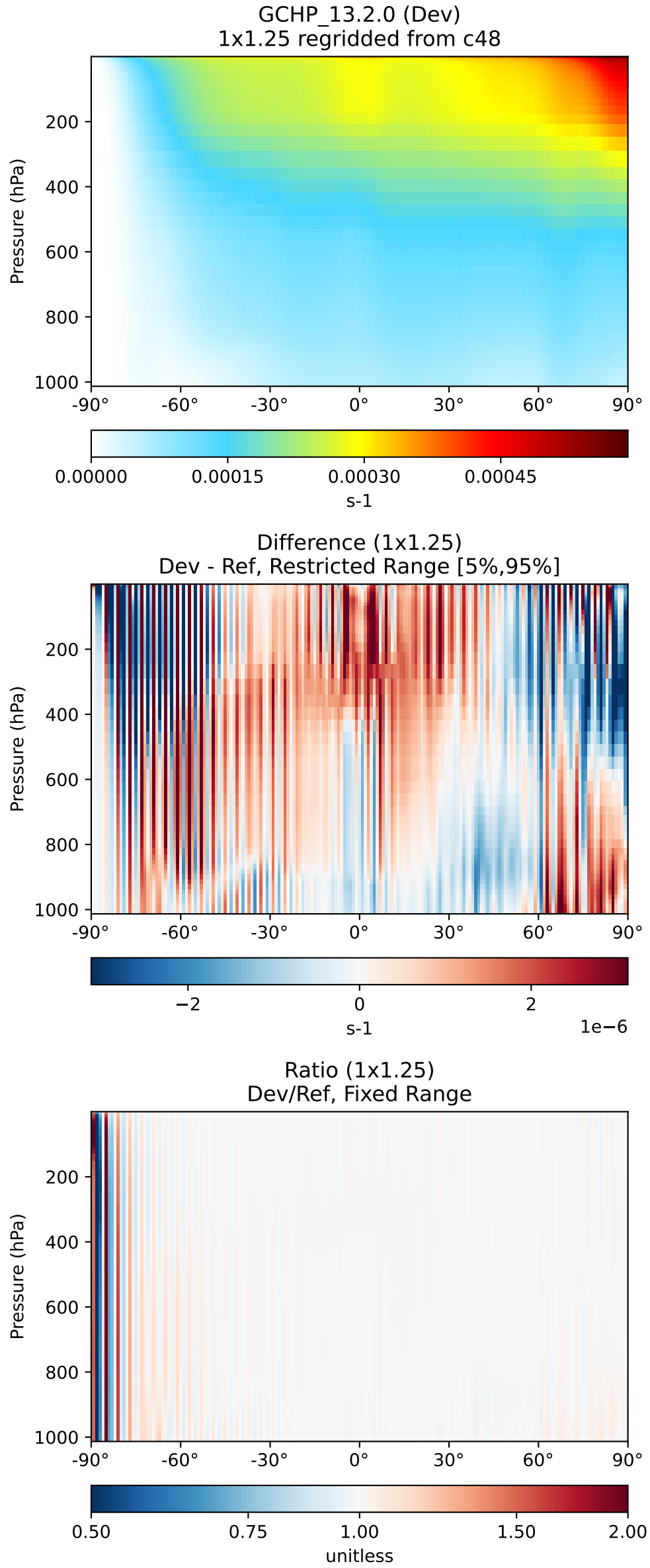
Jval_MENO3, Zonal Mean (Apr2019)



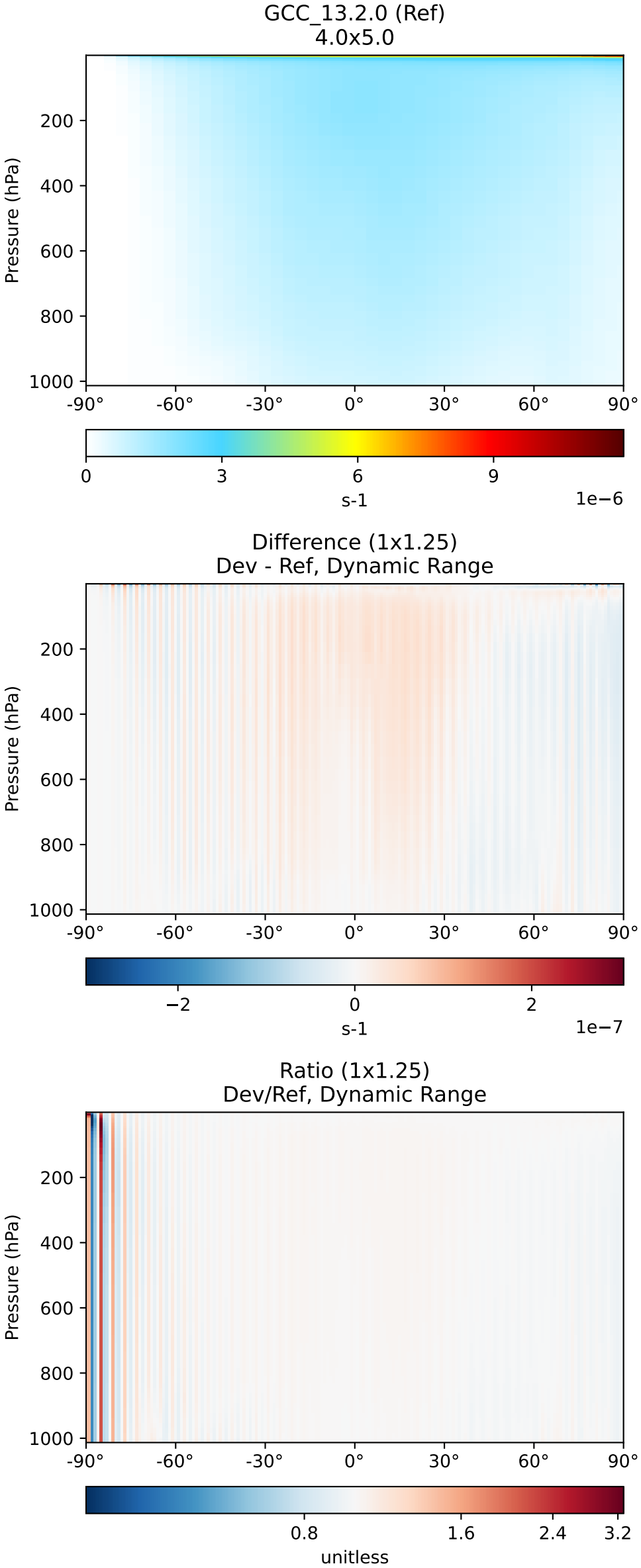


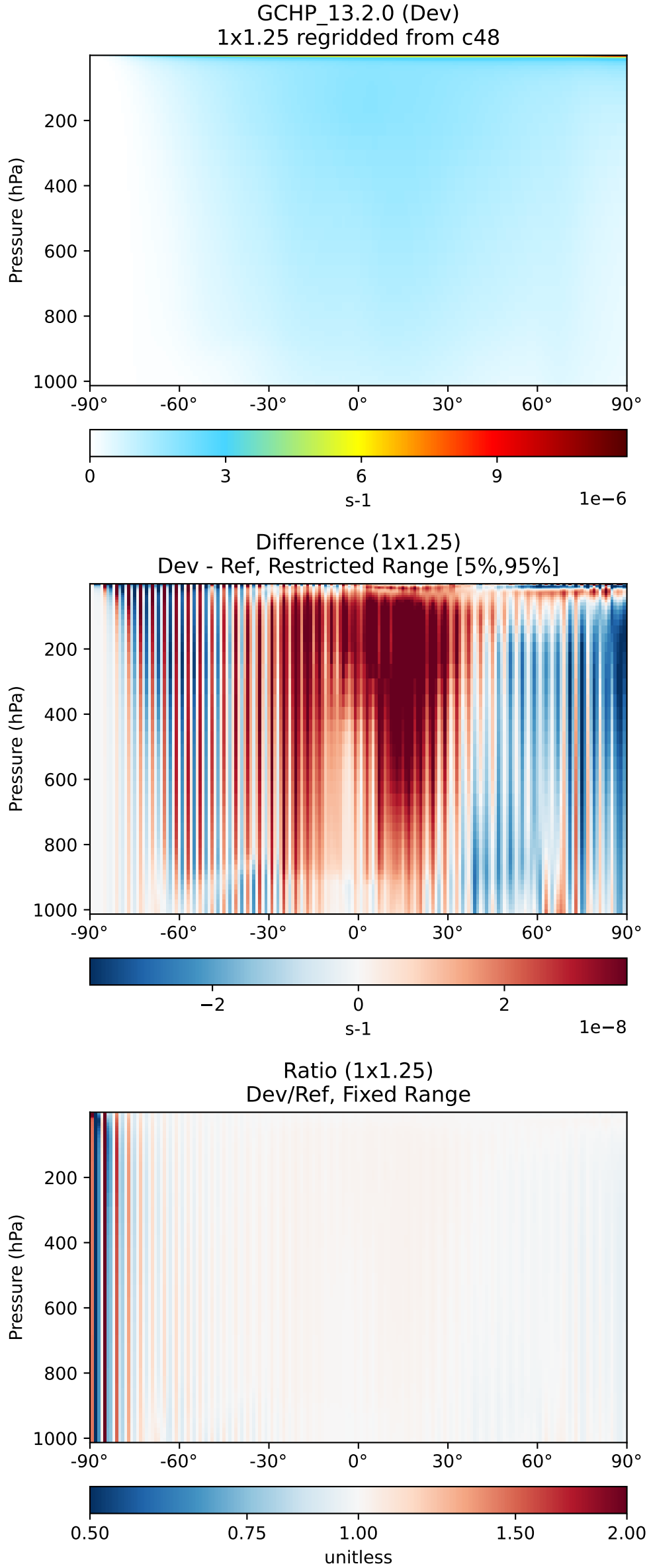
Jval_MGLY, Zonal Mean (Apr2019)



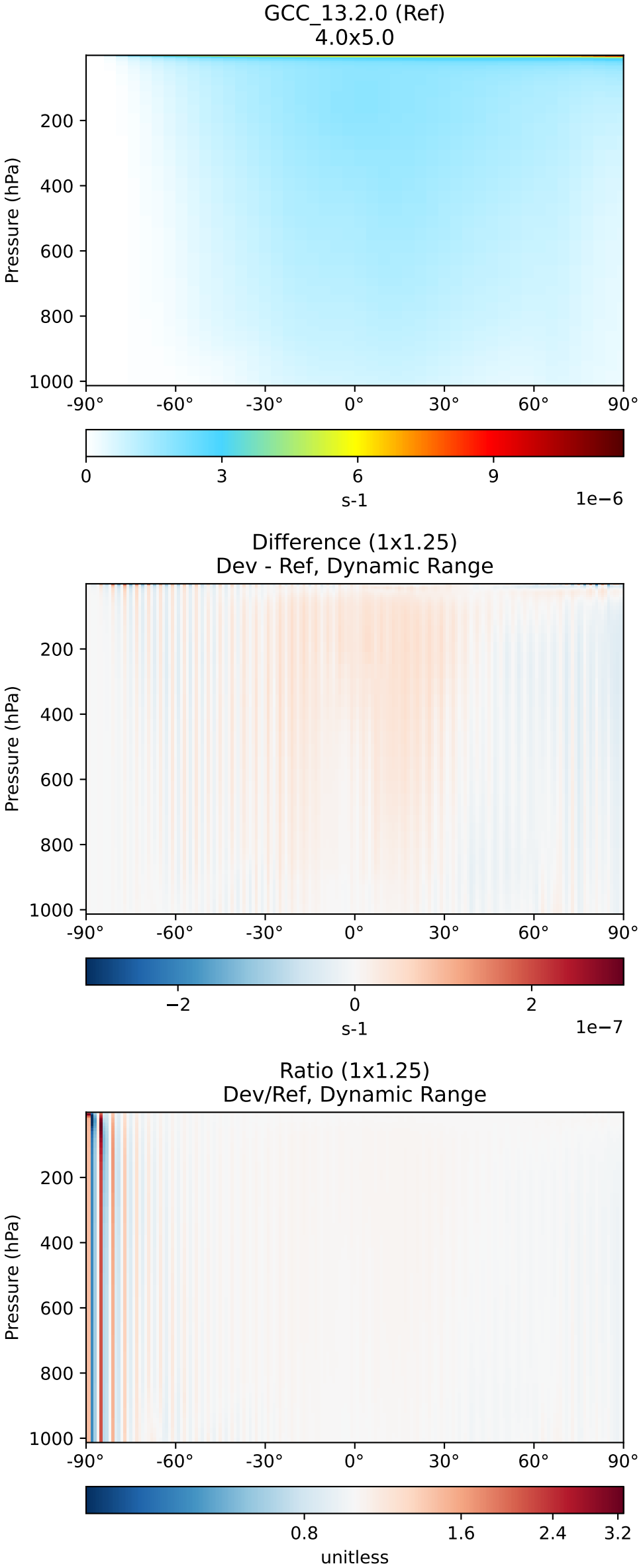


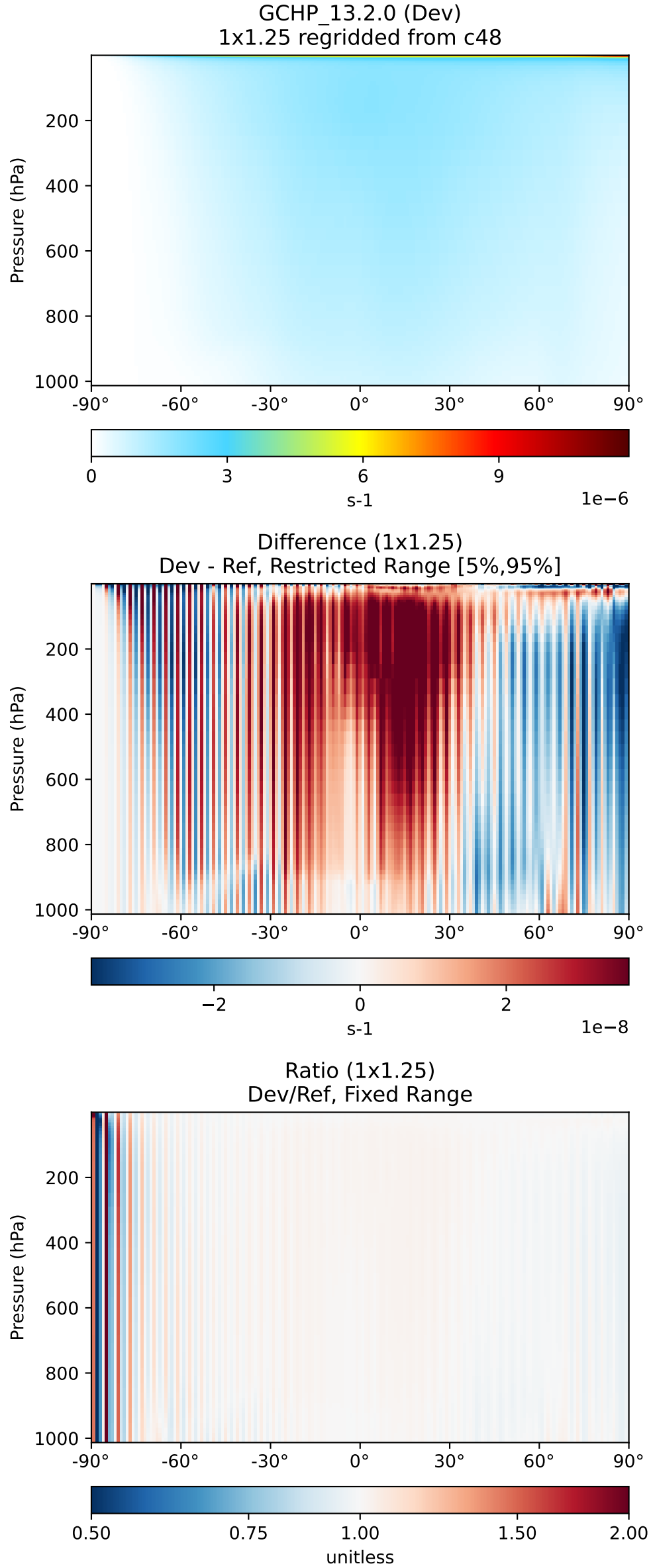
Jval_MONITS, Zonal Mean (Apr2019)



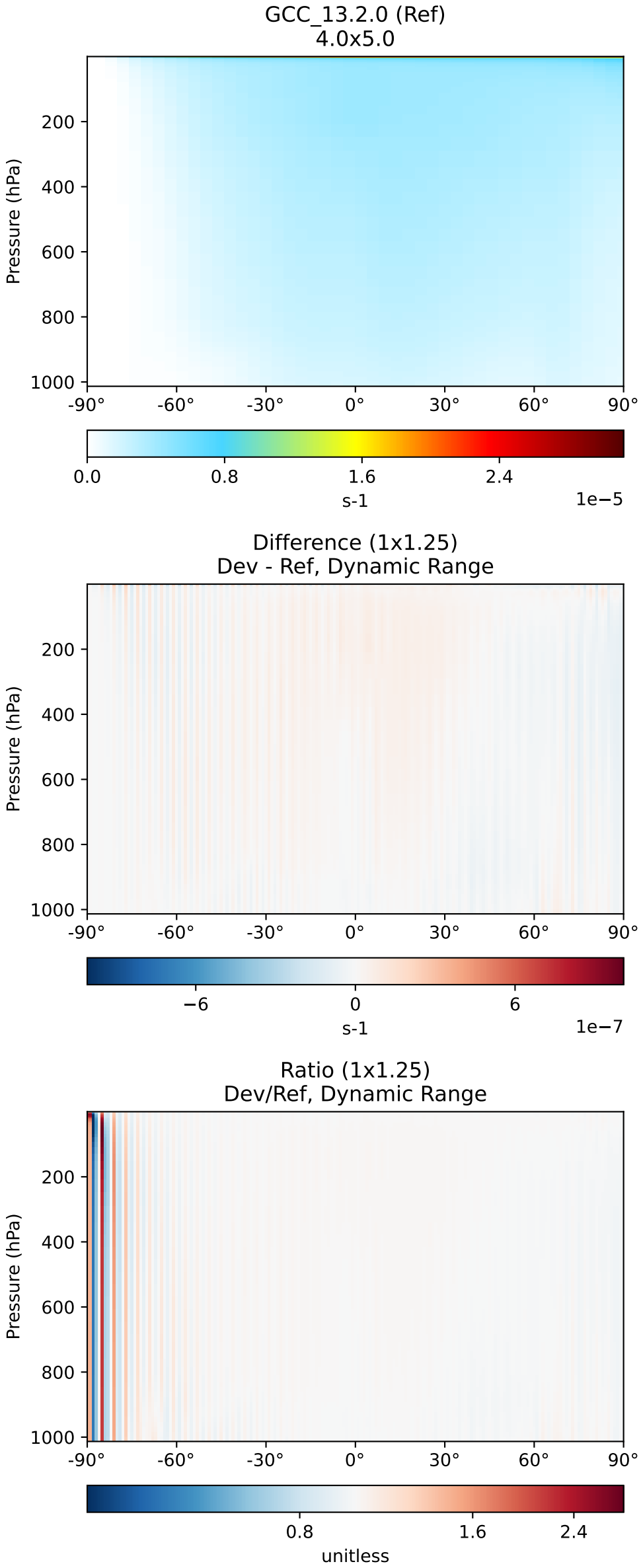


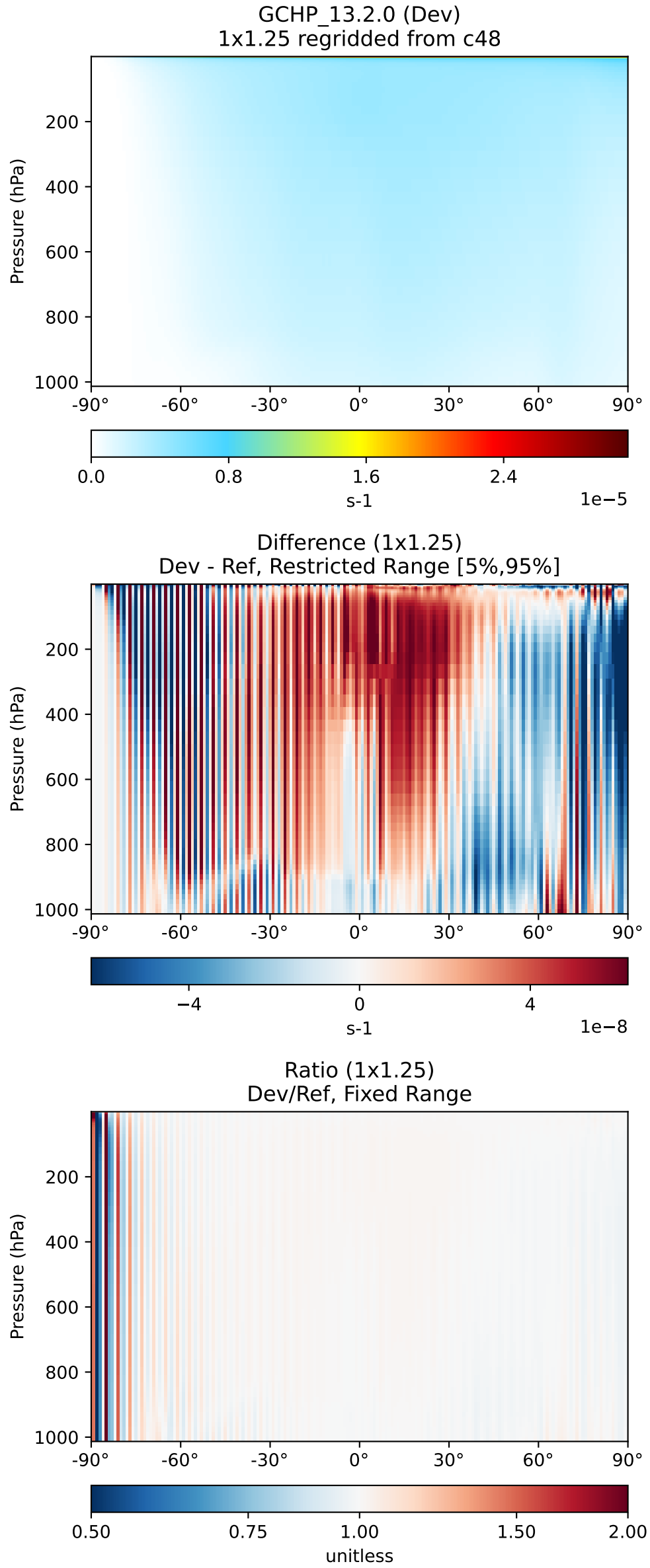
Jval_MONITU, Zonal Mean (Apr2019)





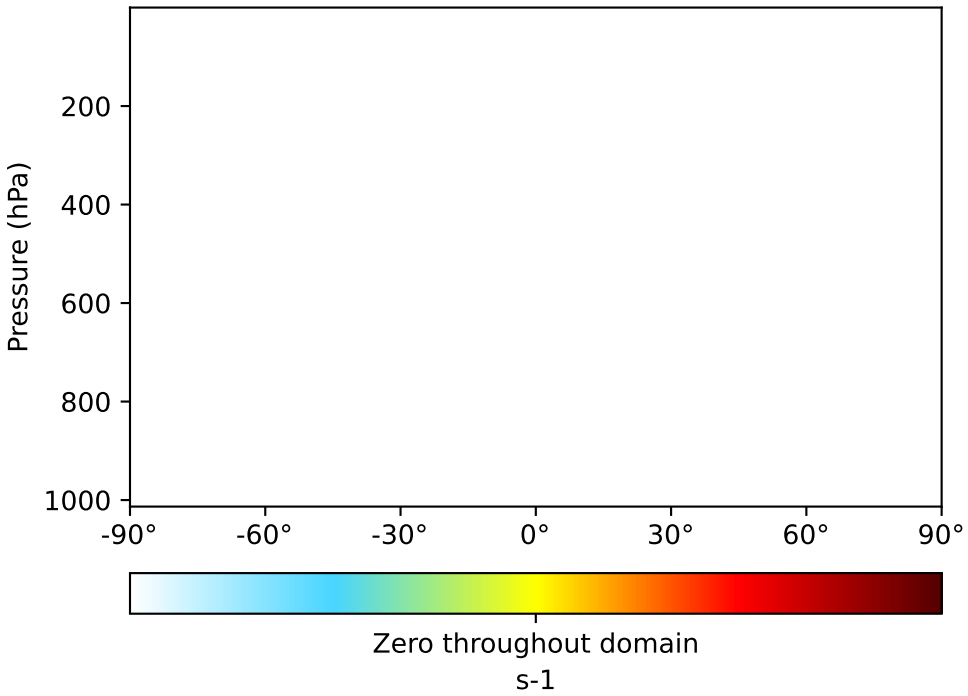
Jval_MP, Zonal Mean (Apr2019)



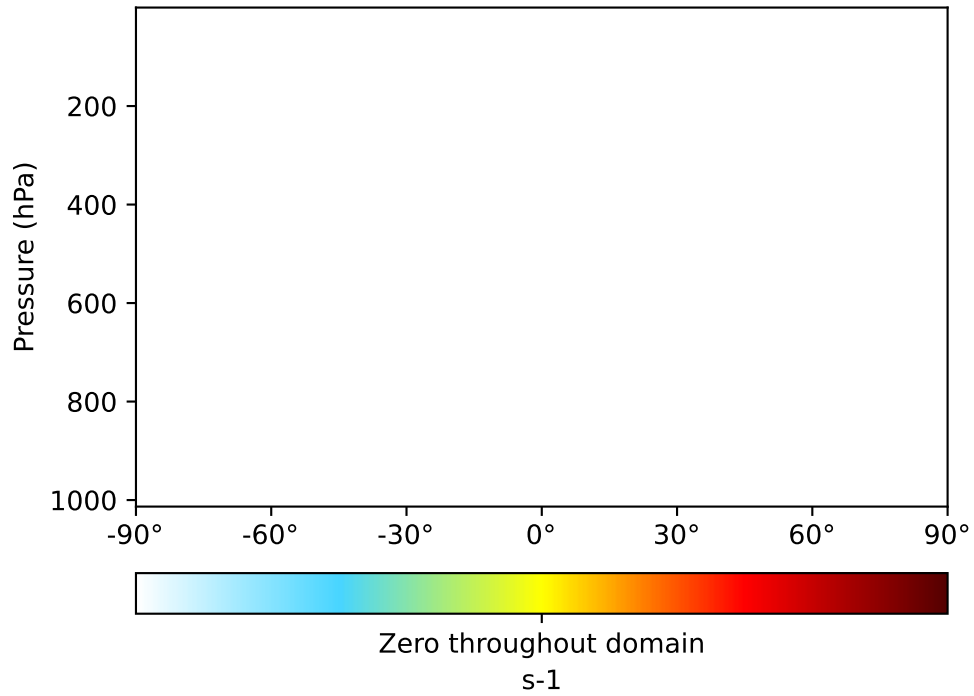


Jval_MPAN, Zonal Mean (Apr2019)

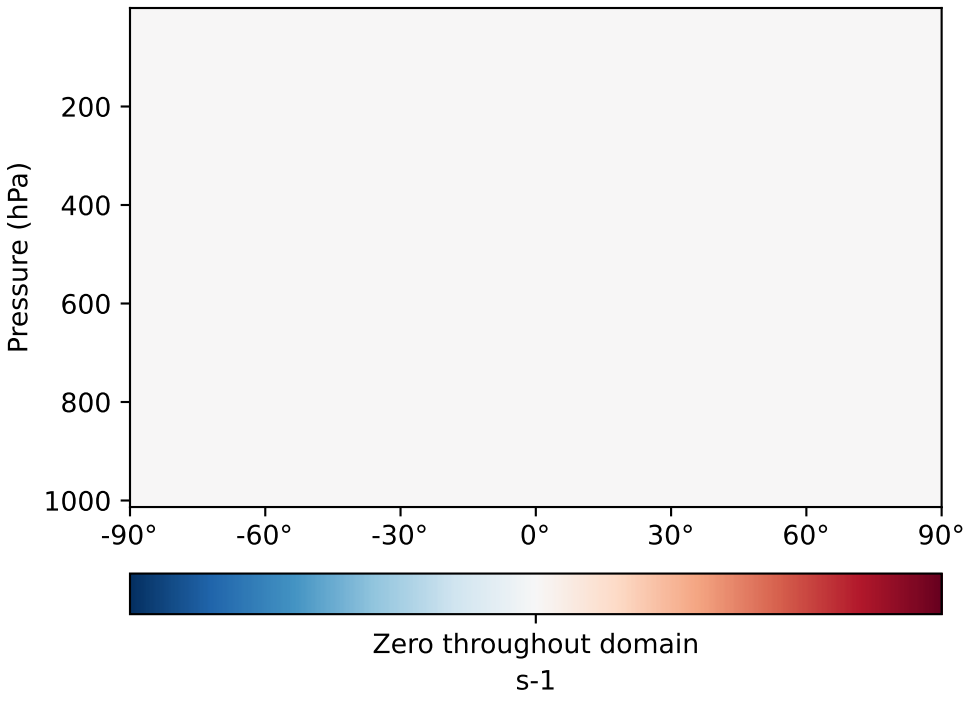
GCC_13.2.0 (Ref)
4.0x5.0



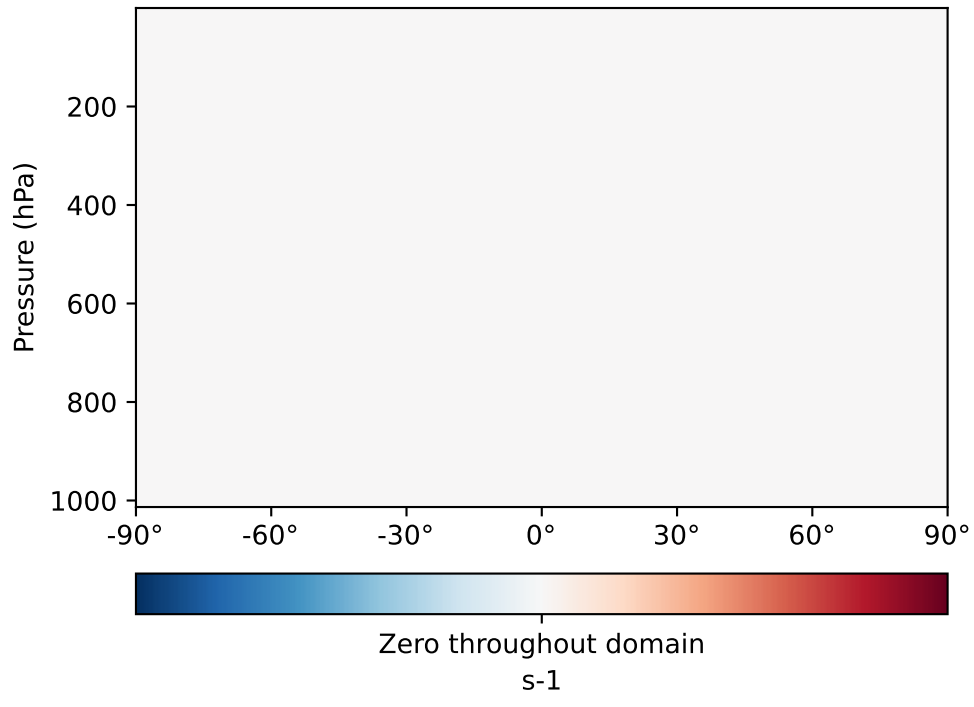
GCHP_13.2.0 (Dev)
1x1.25 regridded from c48



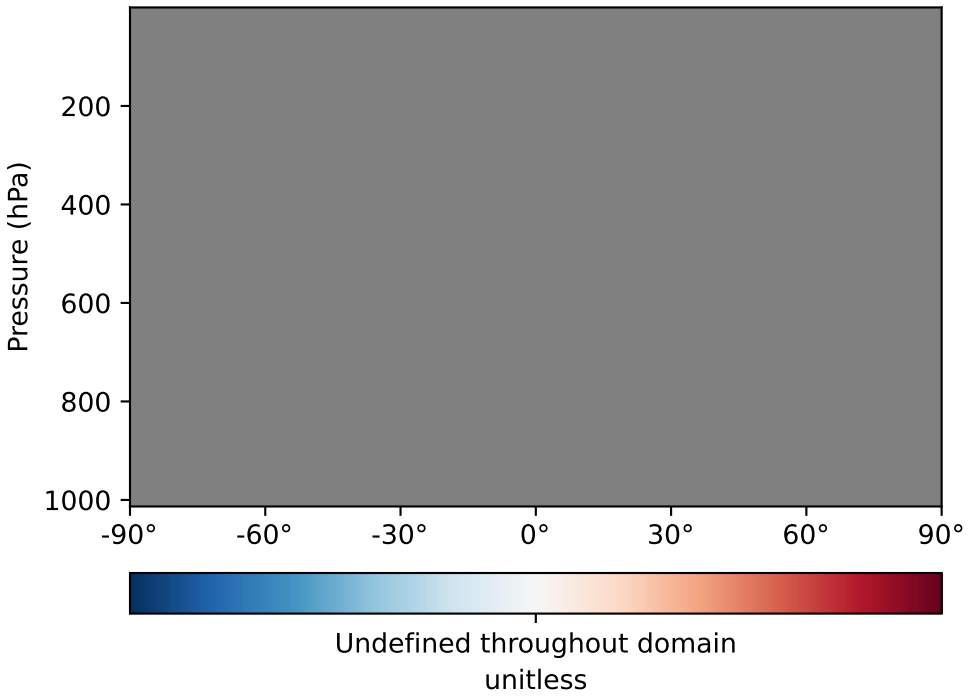
Difference (1x1.25)
Dev - Ref, Dynamic Range



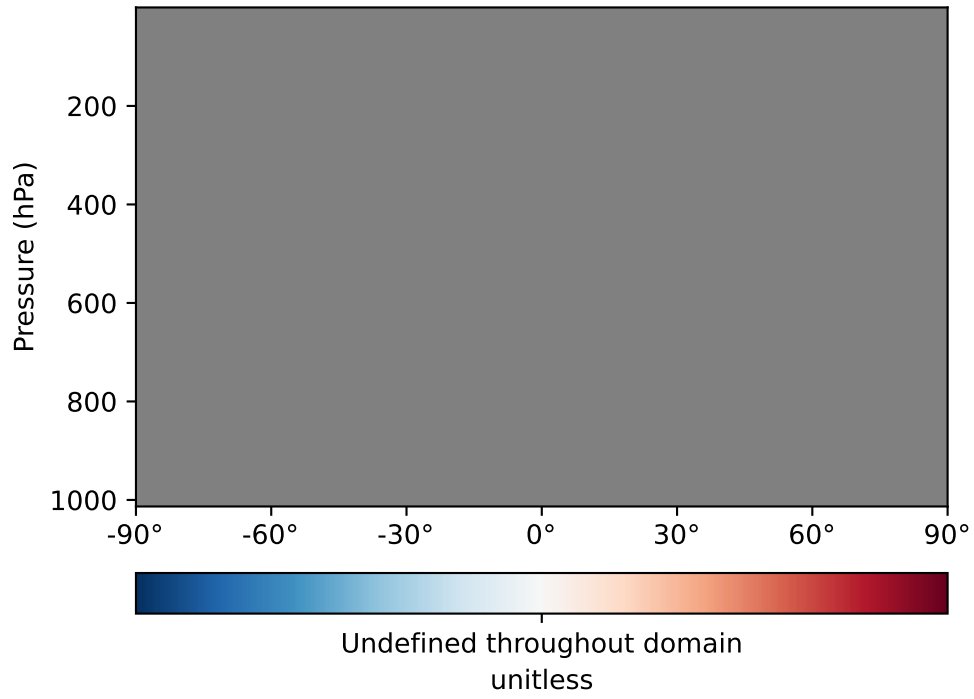
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



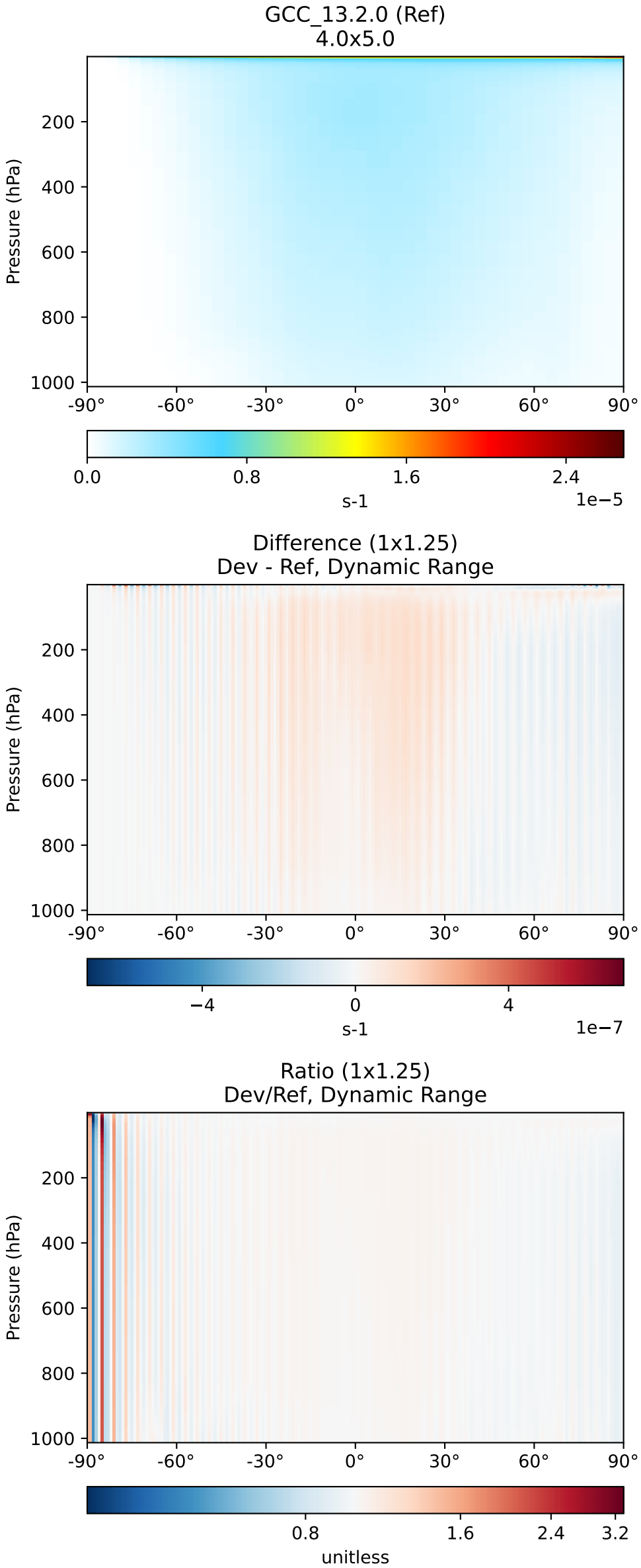
Ratio (1x1.25)
Dev/Ref, Dynamic Range

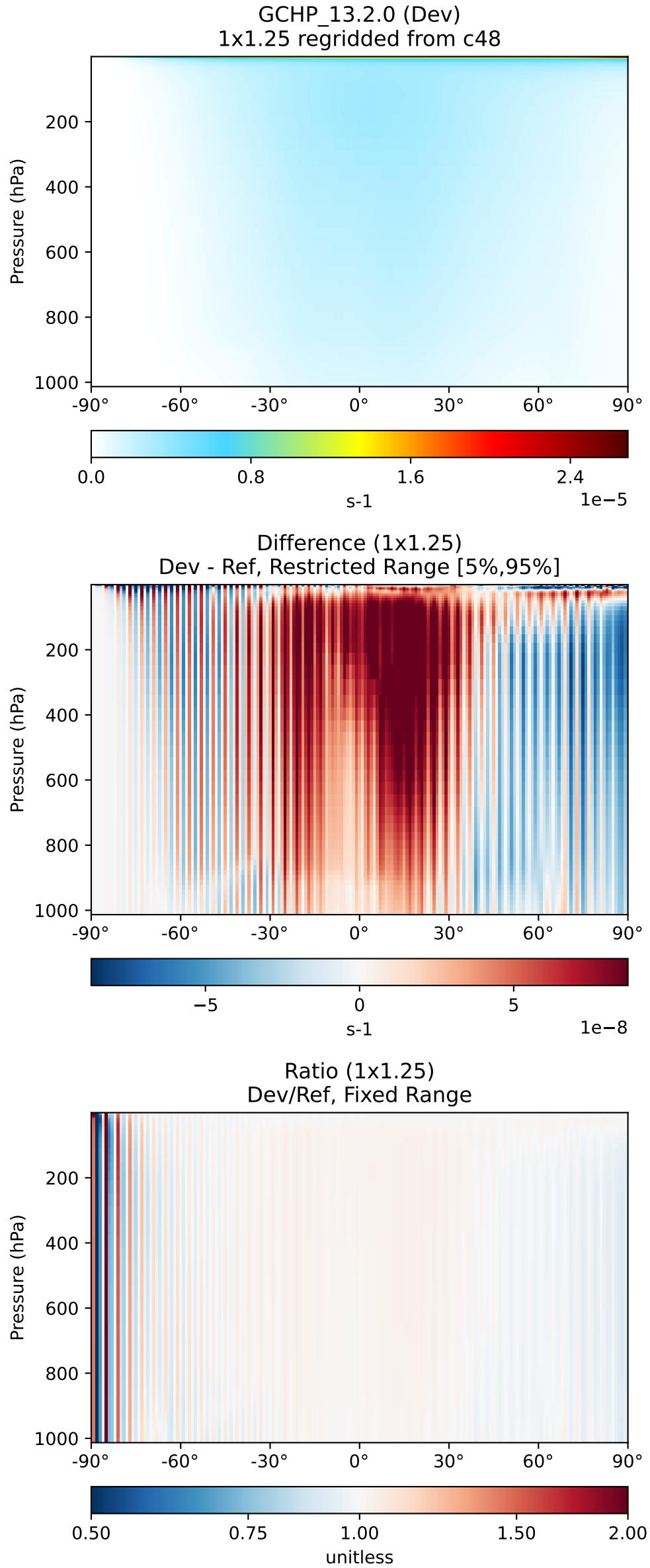


Ratio (1x1.25)
Dev/Ref, Fixed Range

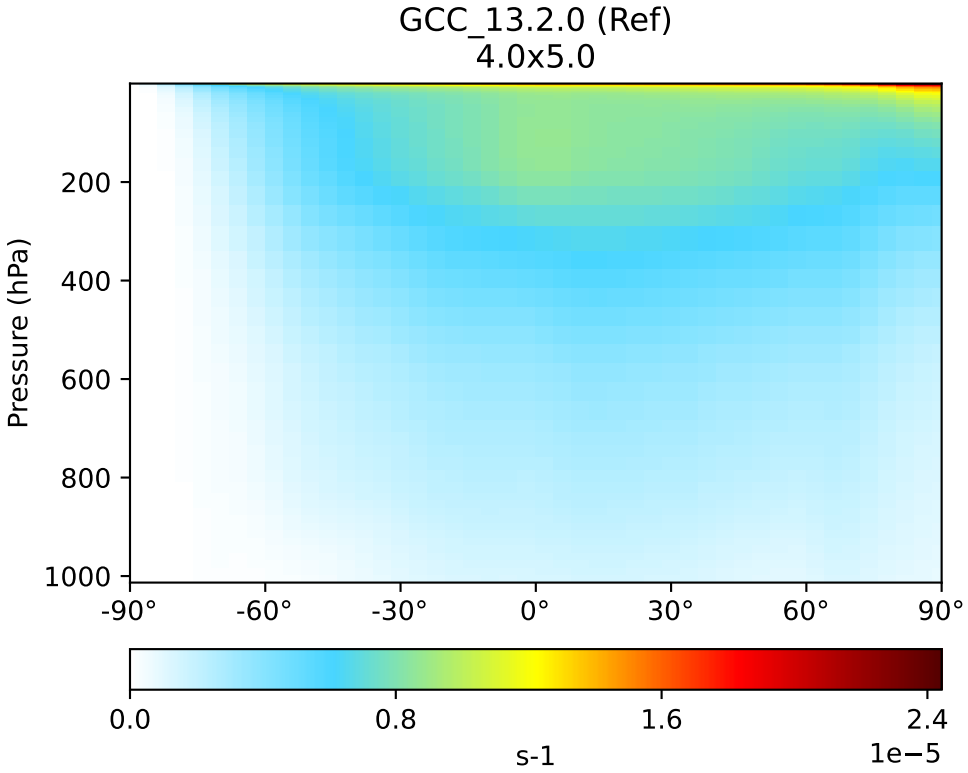


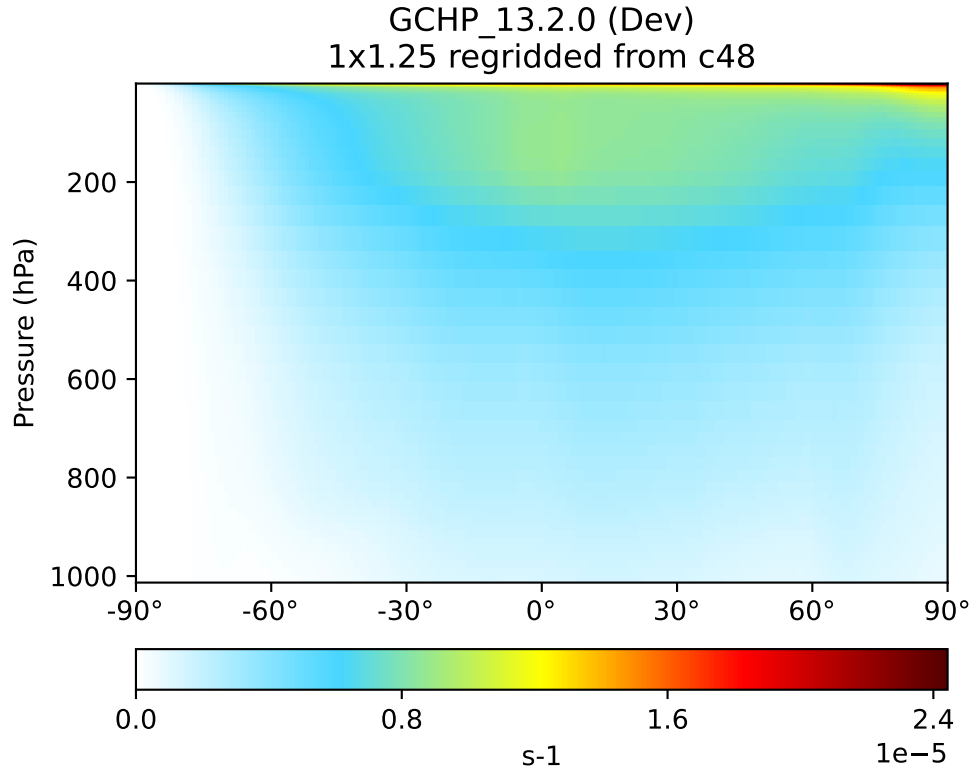
Jval_MPN, Zonal Mean (Apr2019)

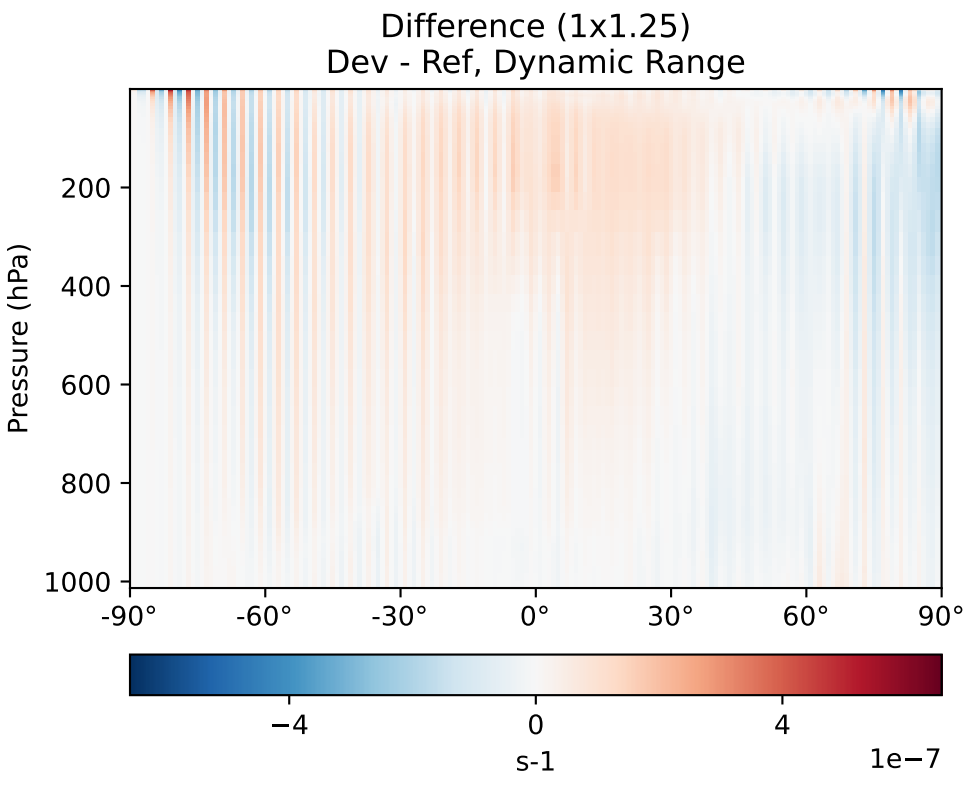


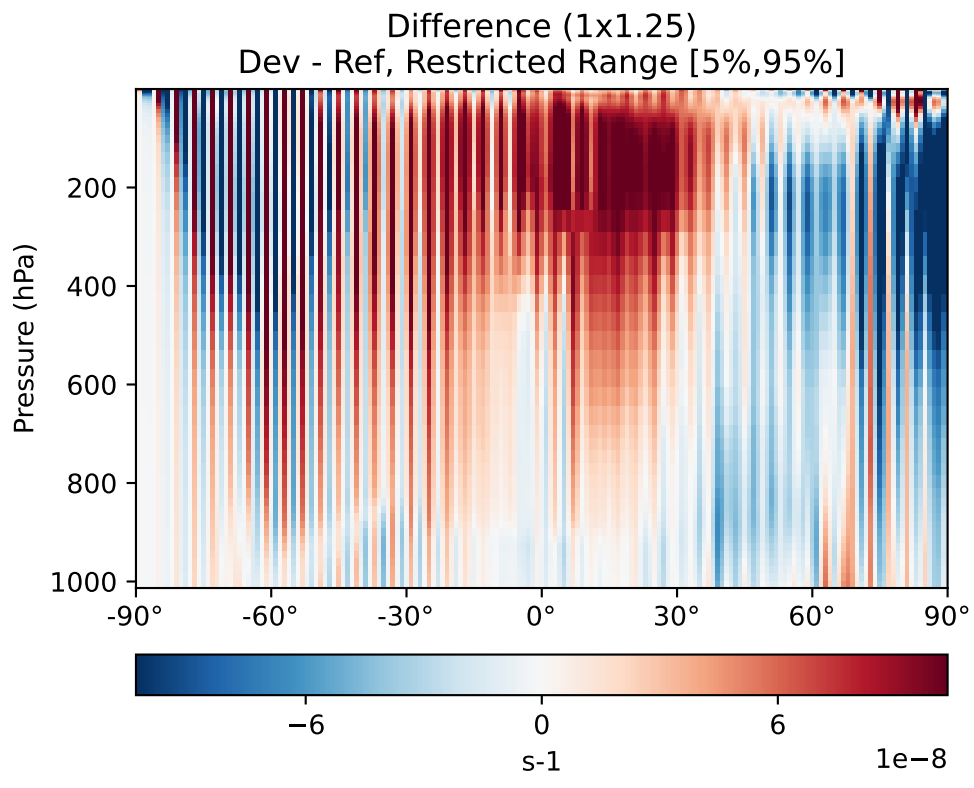


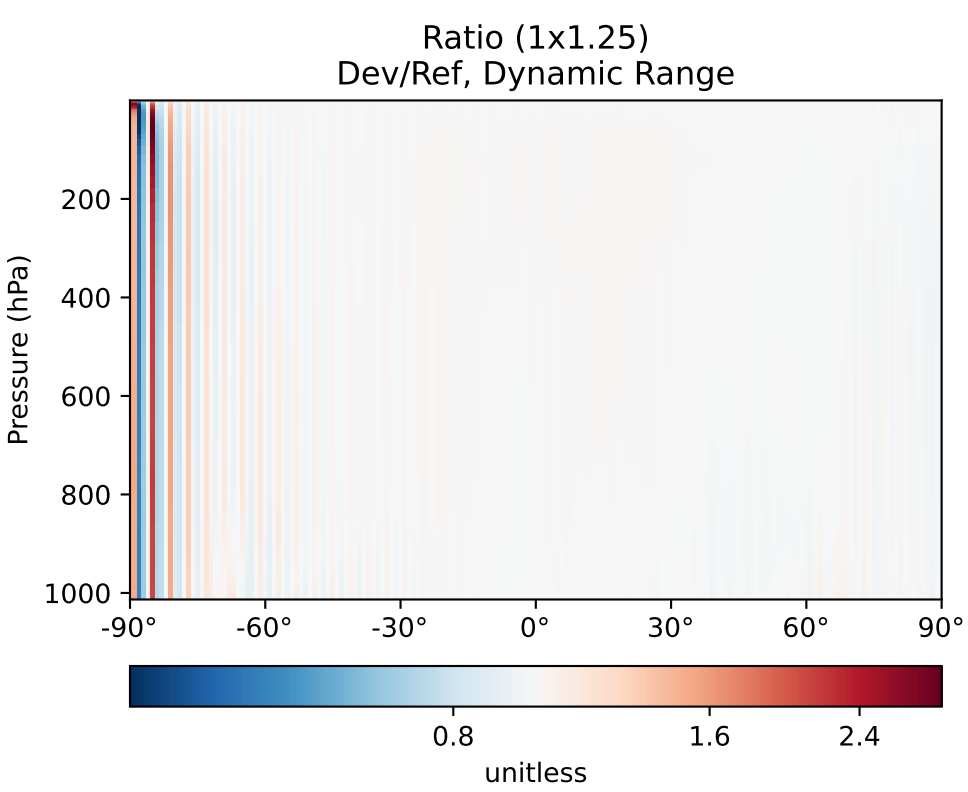
Jval_MVK, Zonal Mean (Apr2019)

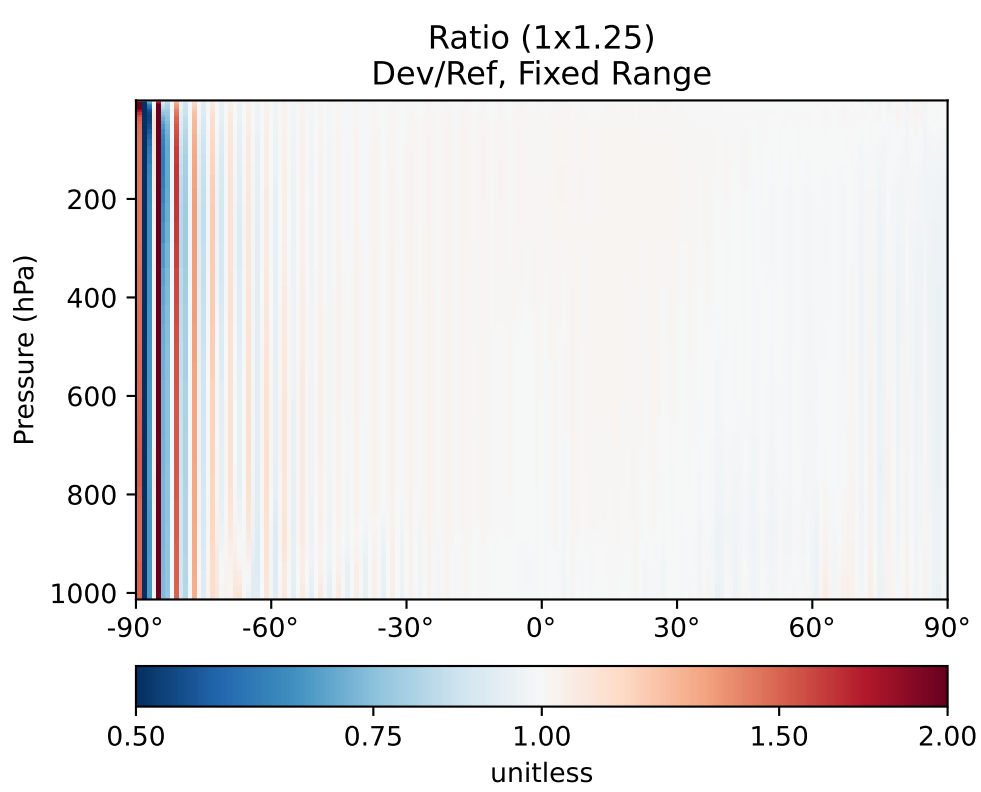




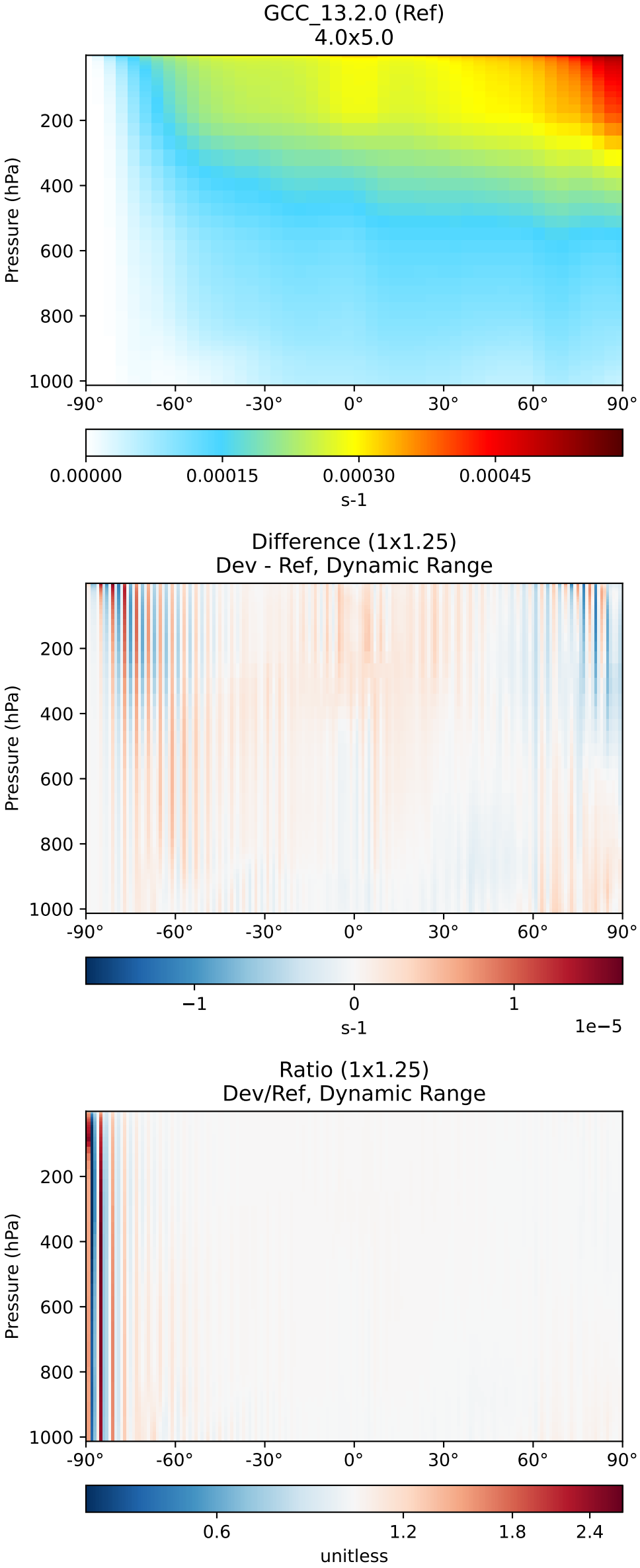


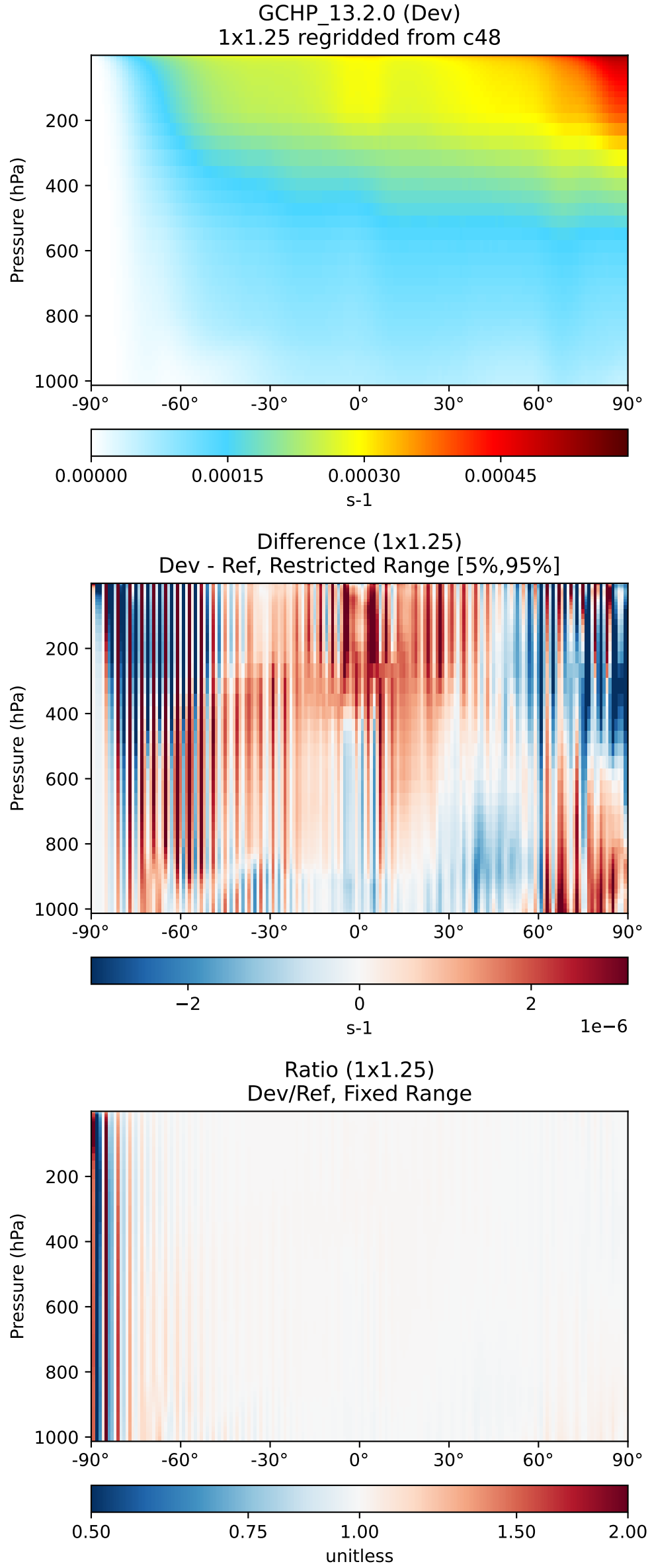




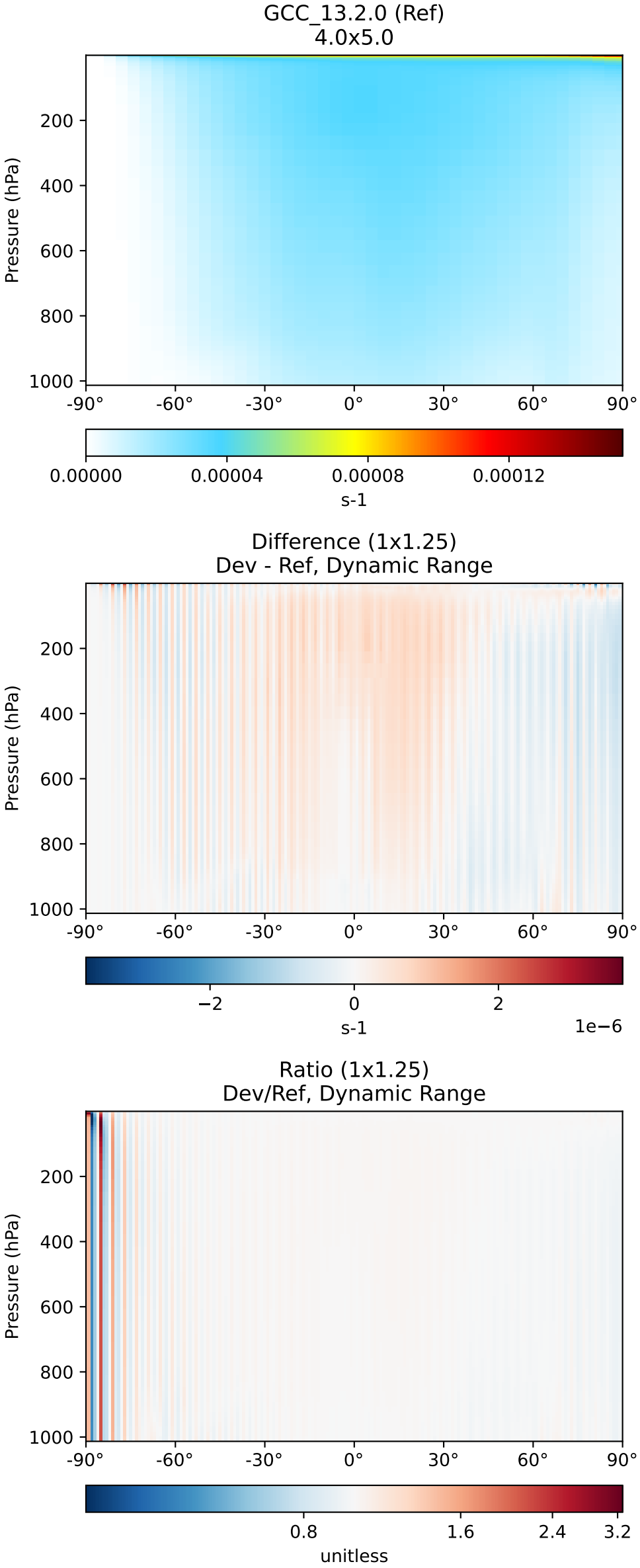


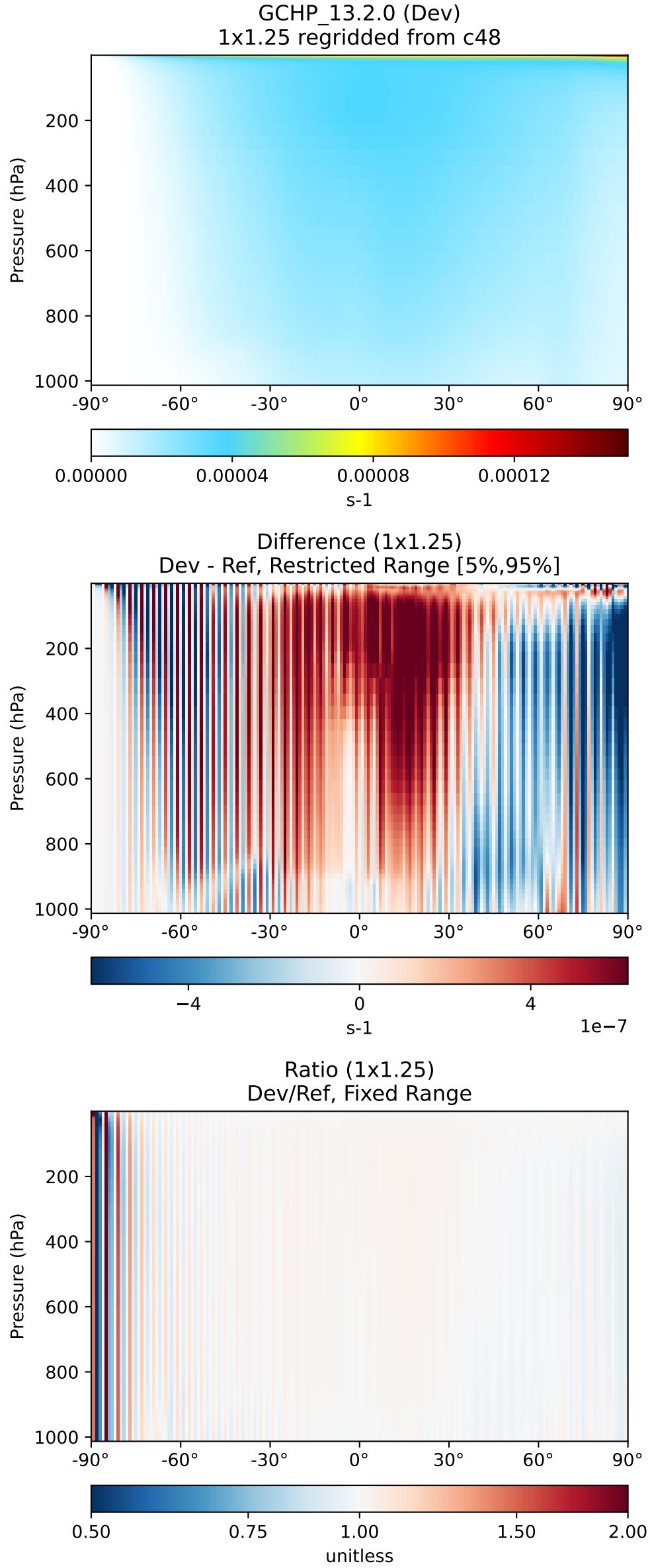
Jval_MVKHC, Zonal Mean (Apr2019)



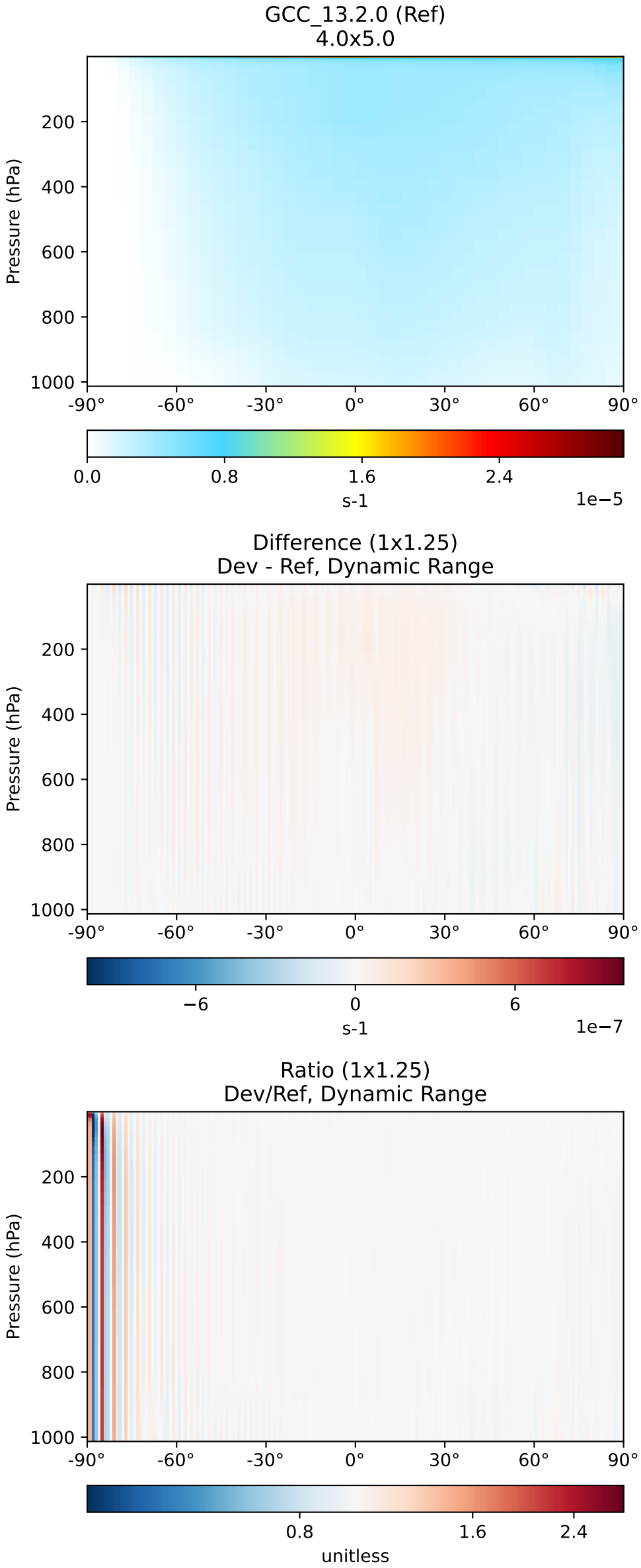


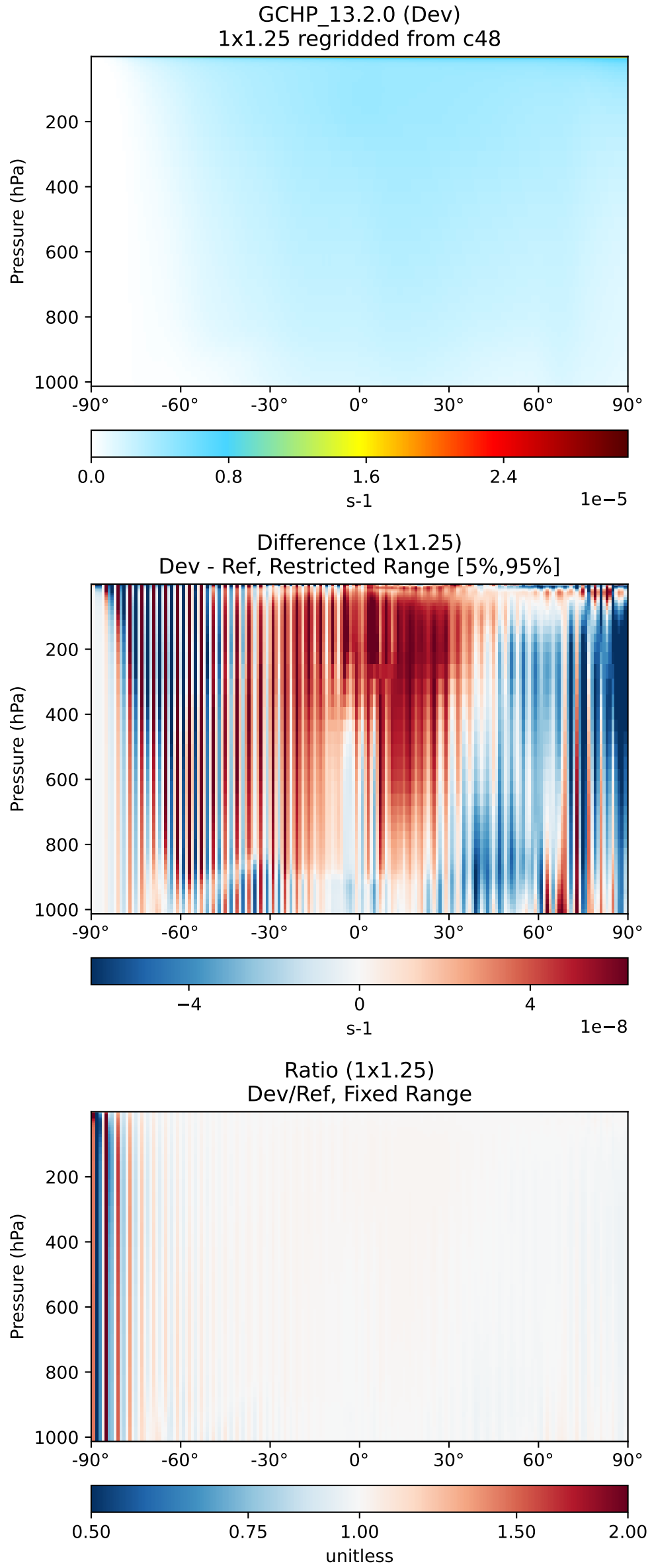
Jval_MVKHCB, Zonal Mean (Apr2019)



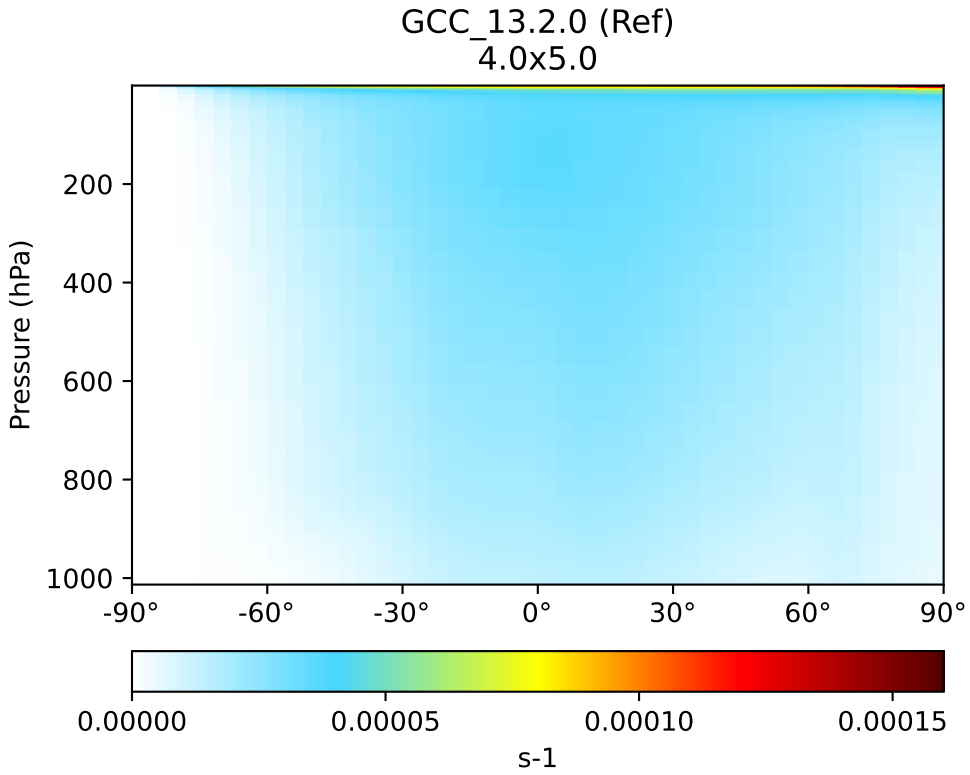


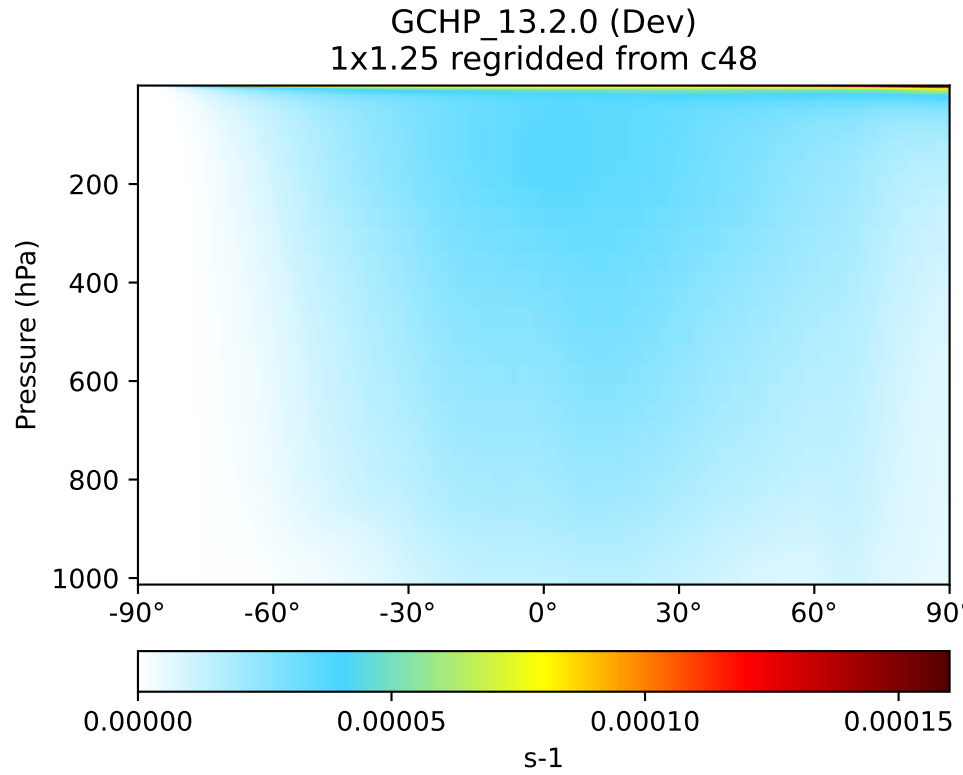
Jval_MVKHP, Zonal Mean (Apr2019)

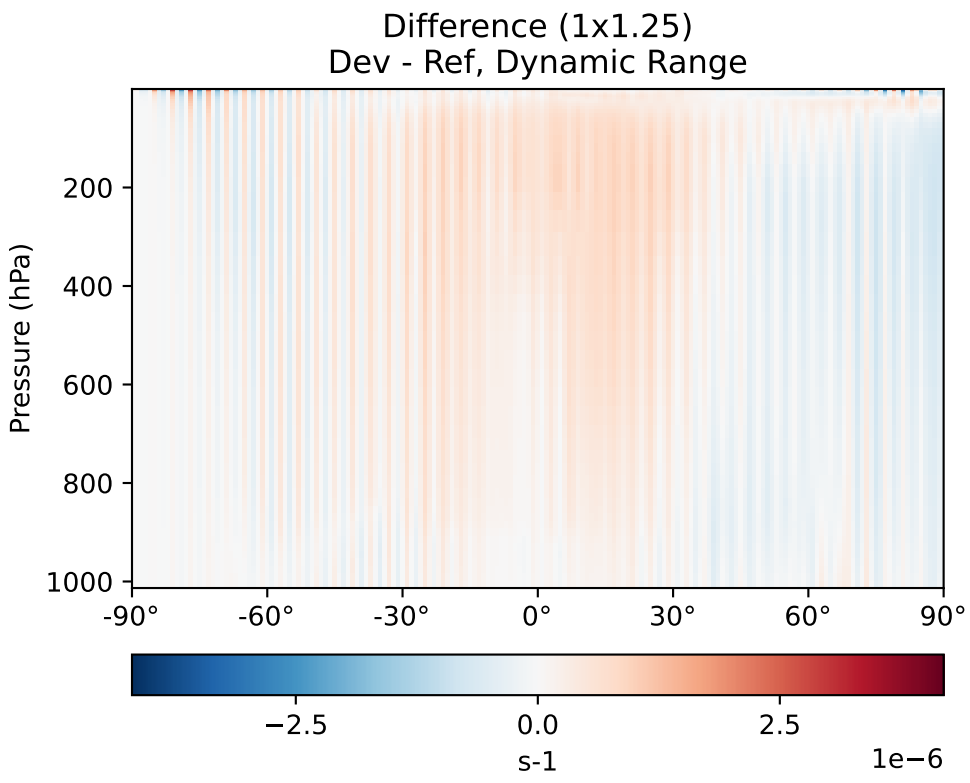


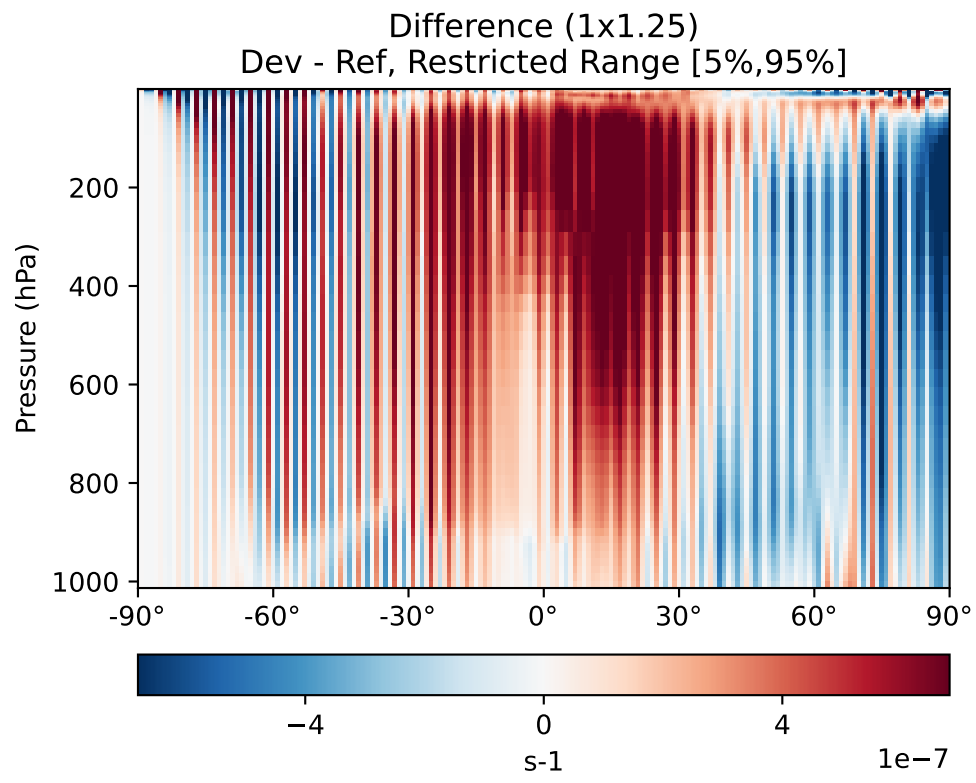


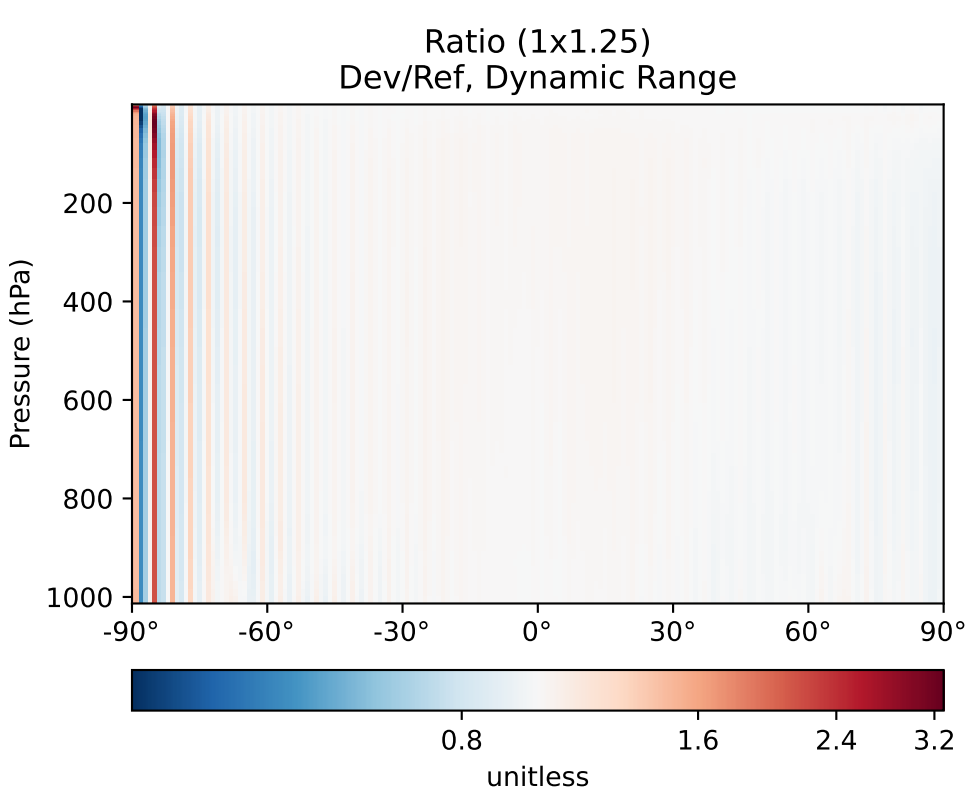
Jval_MVKN, Zonal Mean (Apr2019)

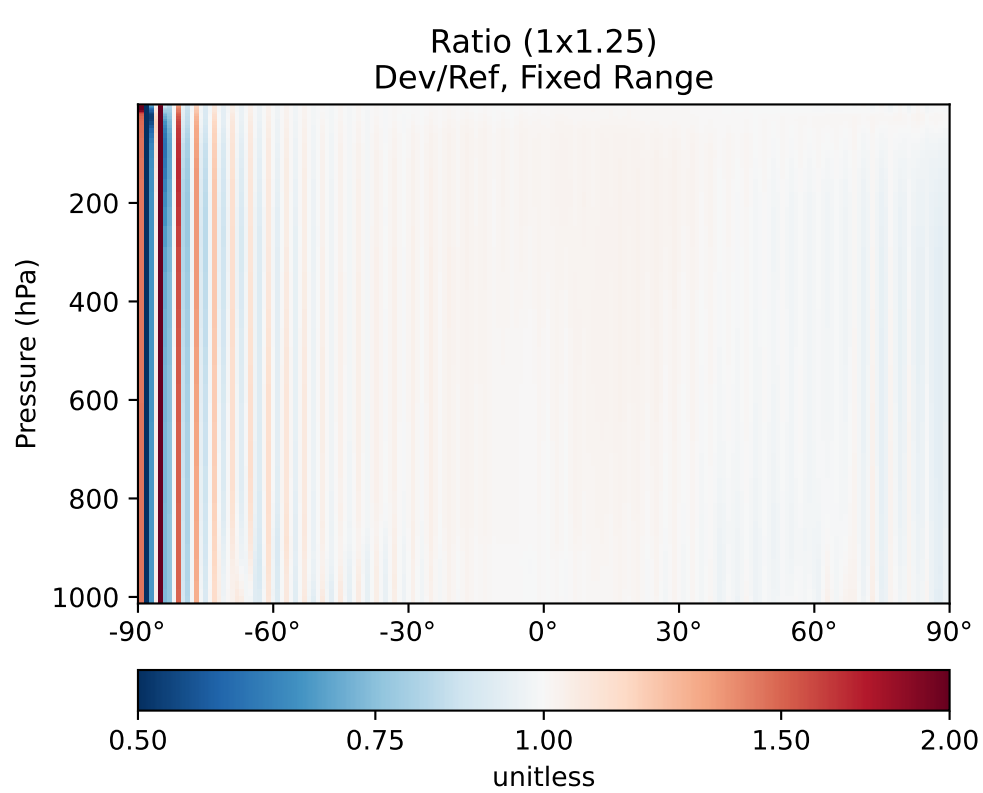




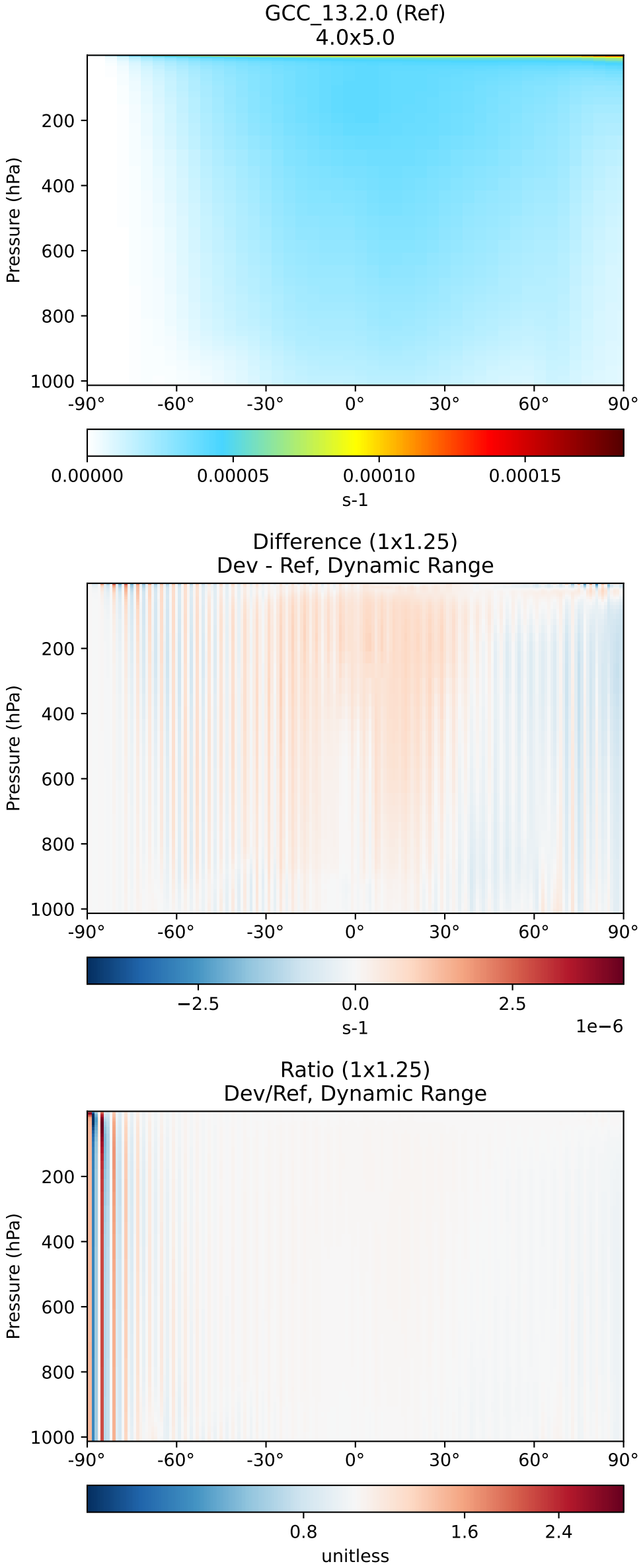


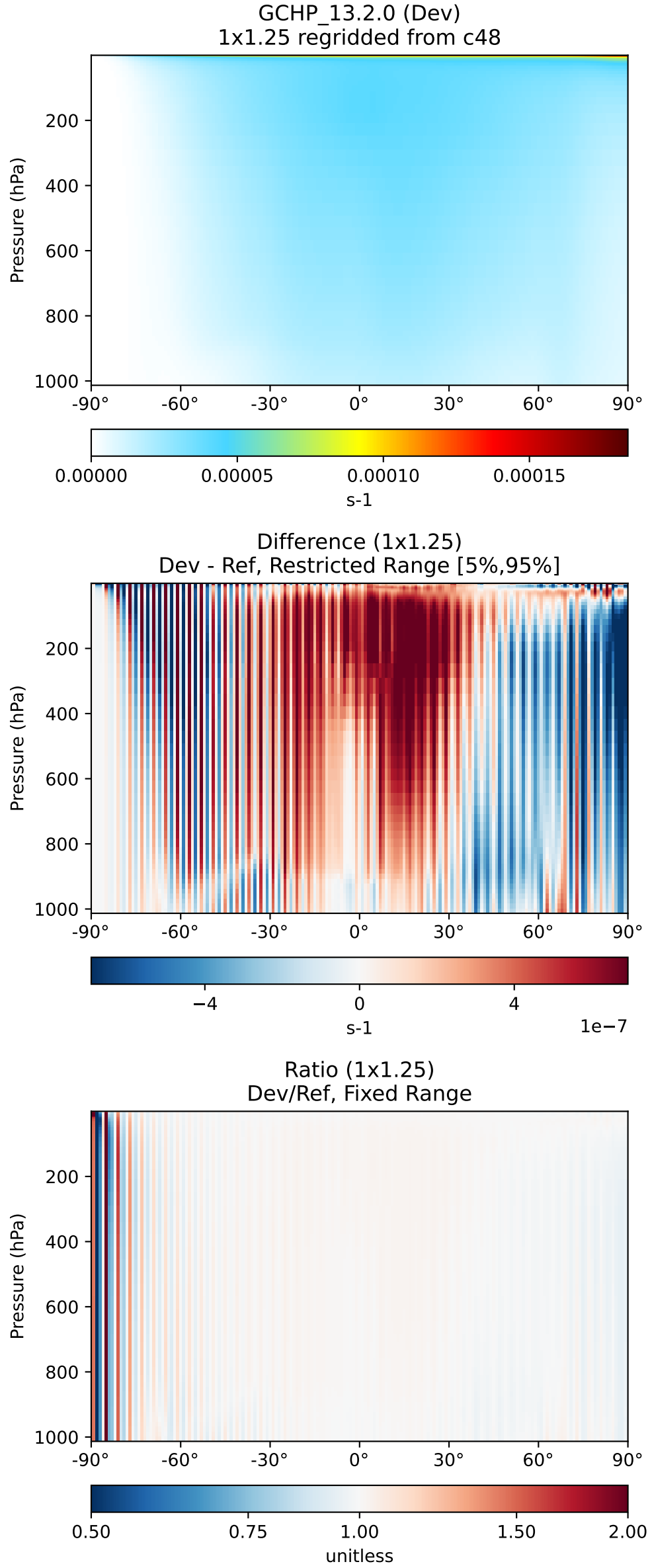






Jval_MVKPC, Zonal Mean (Apr2019)

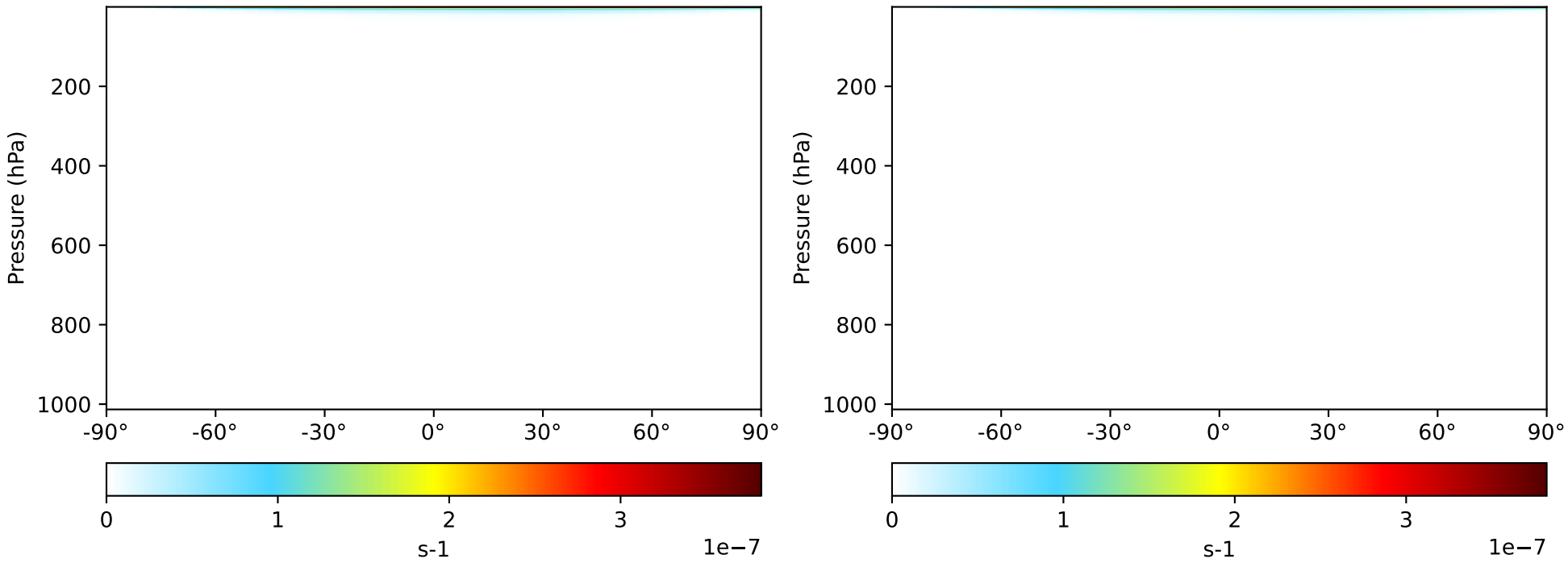




Jval_N2O, Zonal Mean (Apr2019)

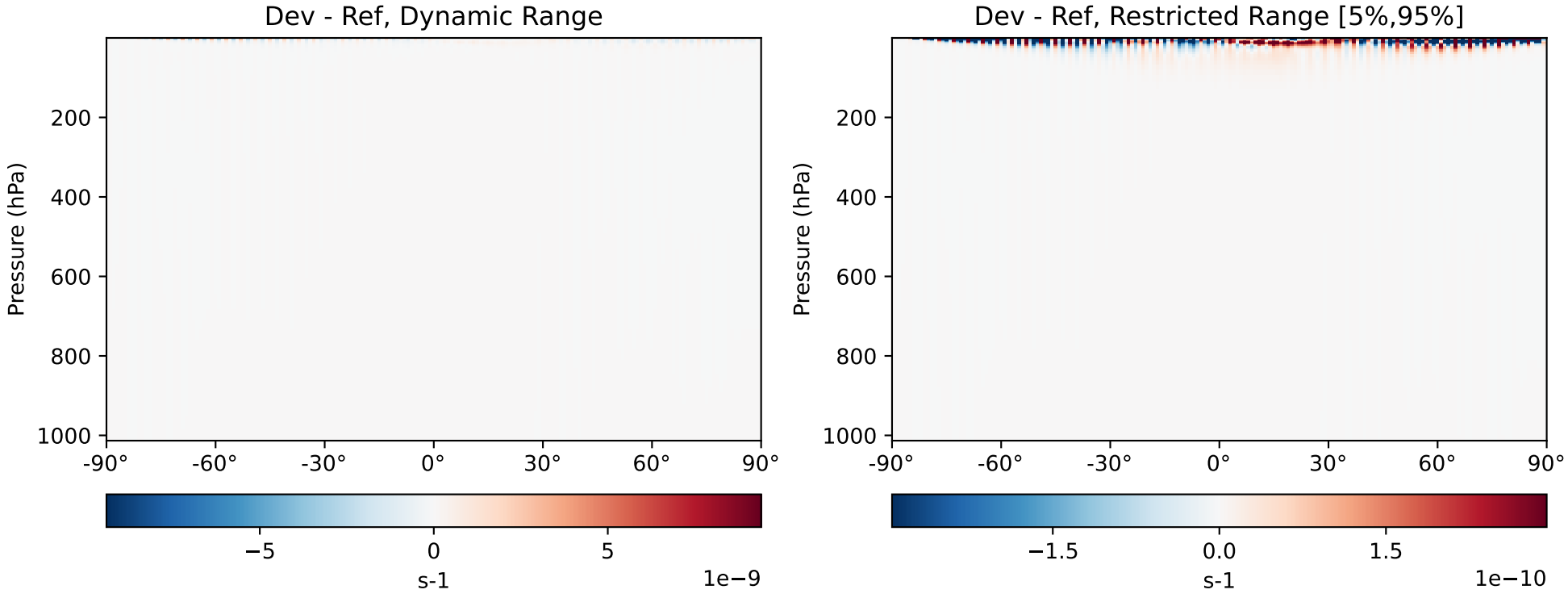
GCC_13.2.0 (Ref)
4.0x5.0

GCHP_13.2.0 (Dev)
1x1.25 regridded from c48



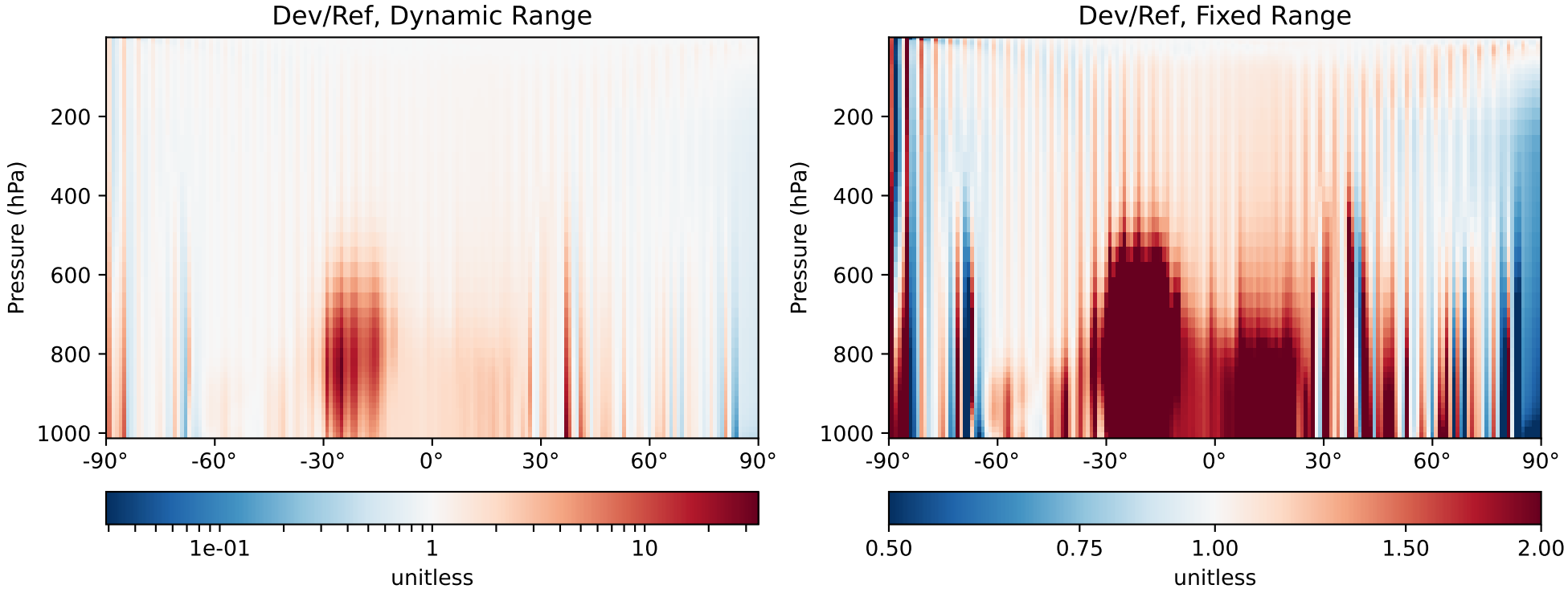
Difference (1x1.25)
Dev - Ref, Dynamic Range

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

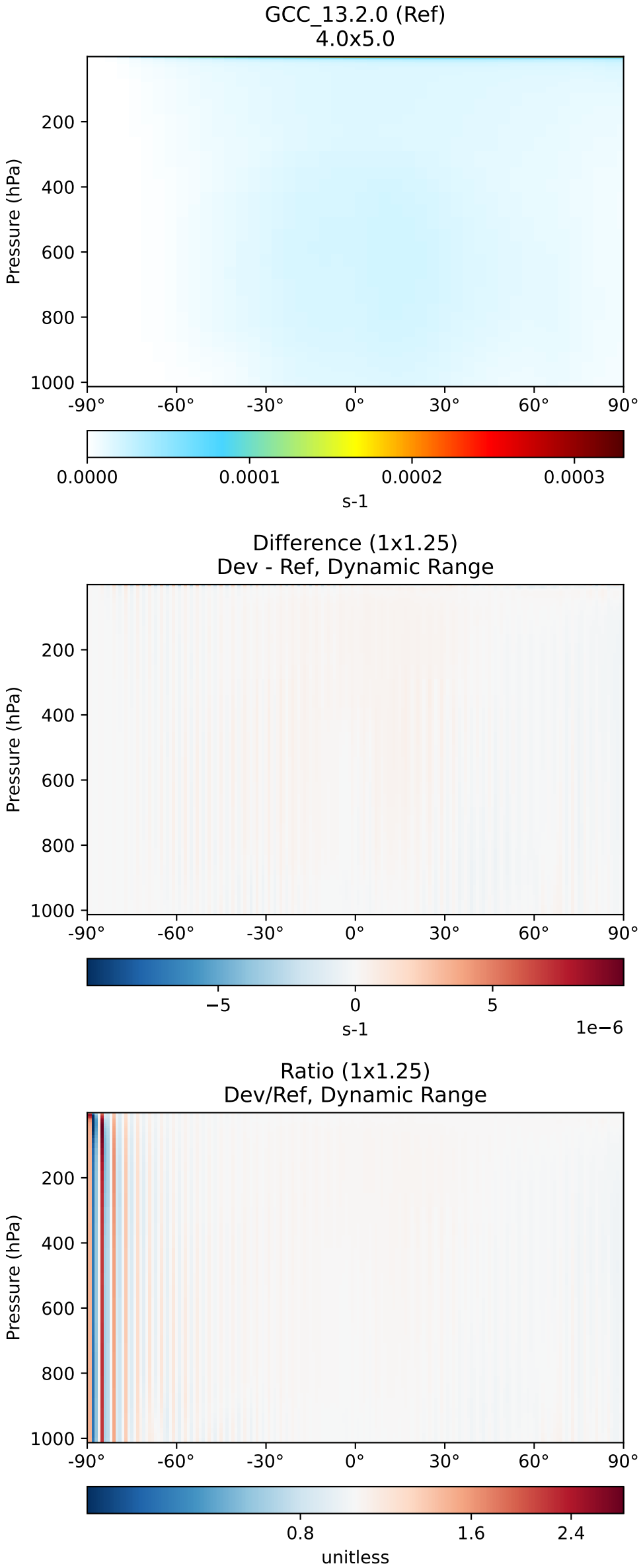


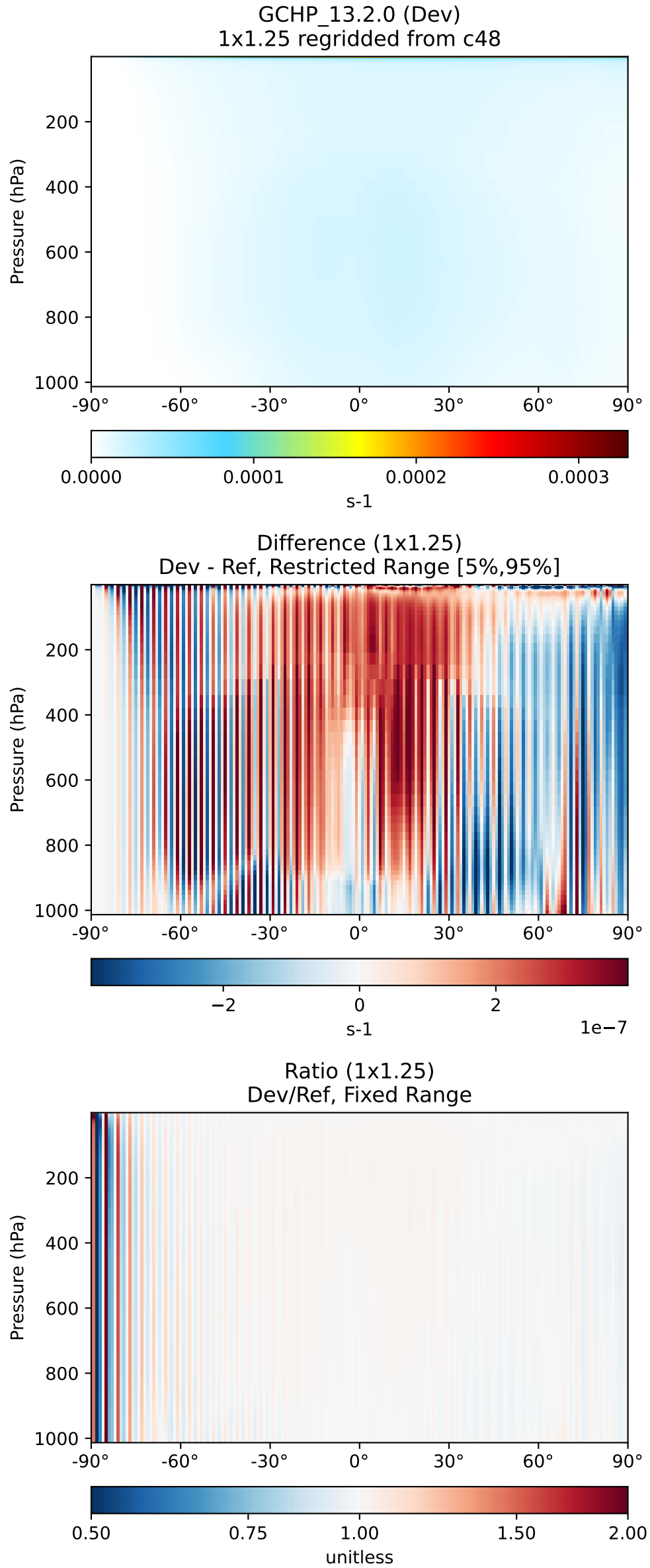
Ratio (1x1.25)
Dev/Ref, Dynamic Range

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



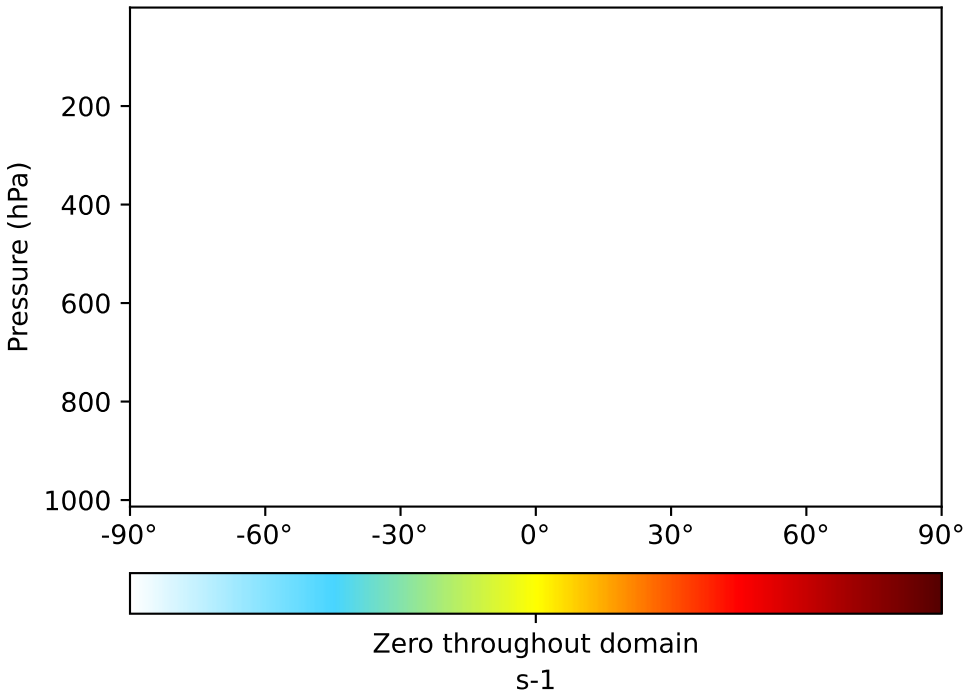
Jval_N2O5, Zonal Mean (Apr2019)



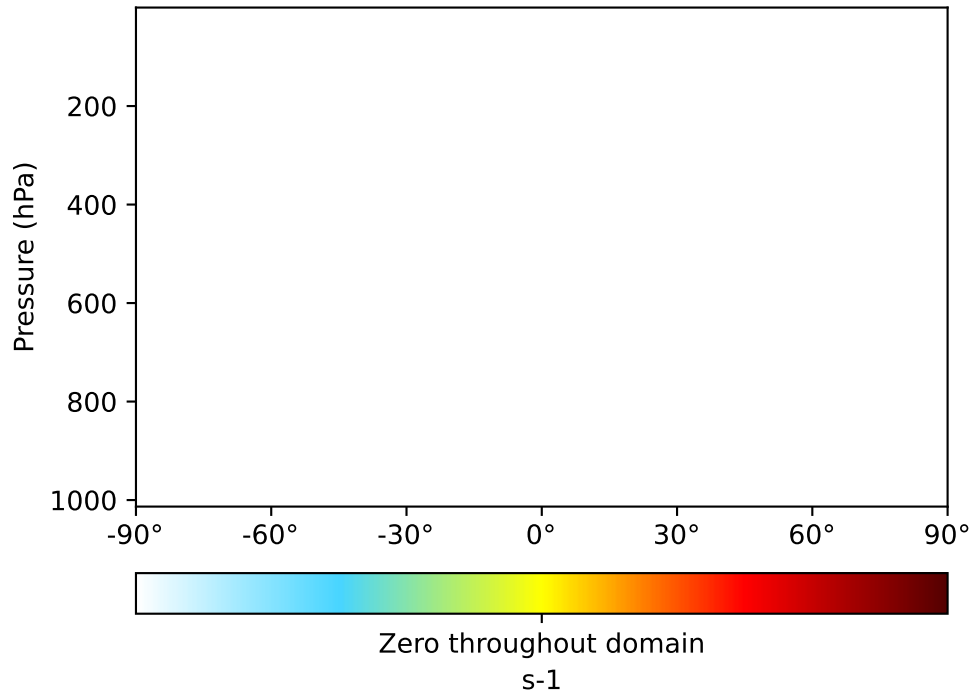


Jval_NIT, Zonal Mean (Apr2019)

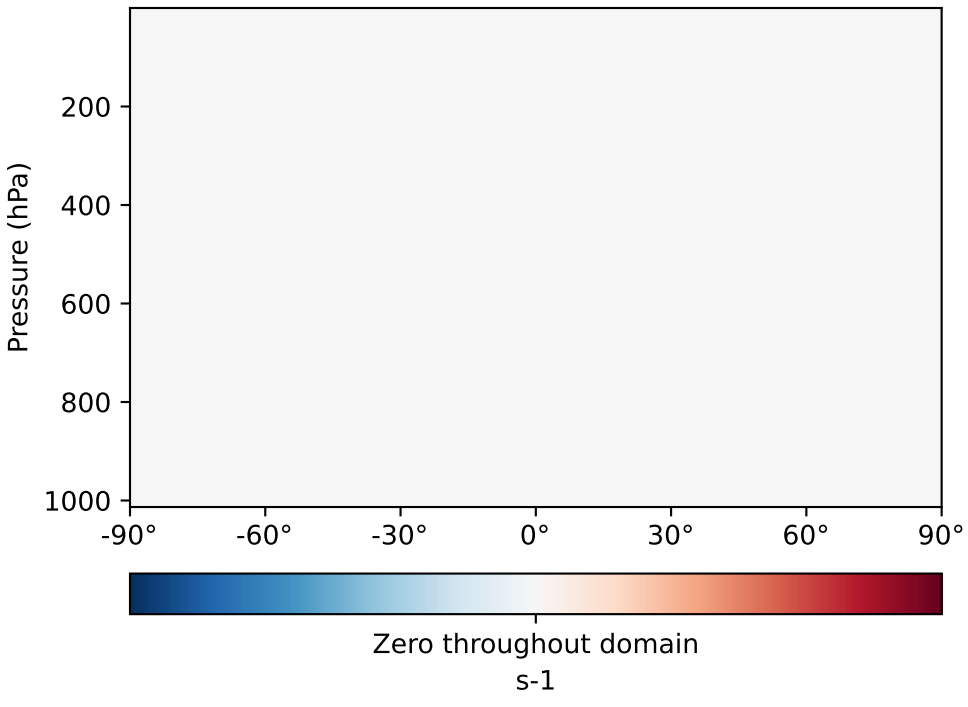
GCC_13.2.0 (Ref)
4.0x5.0



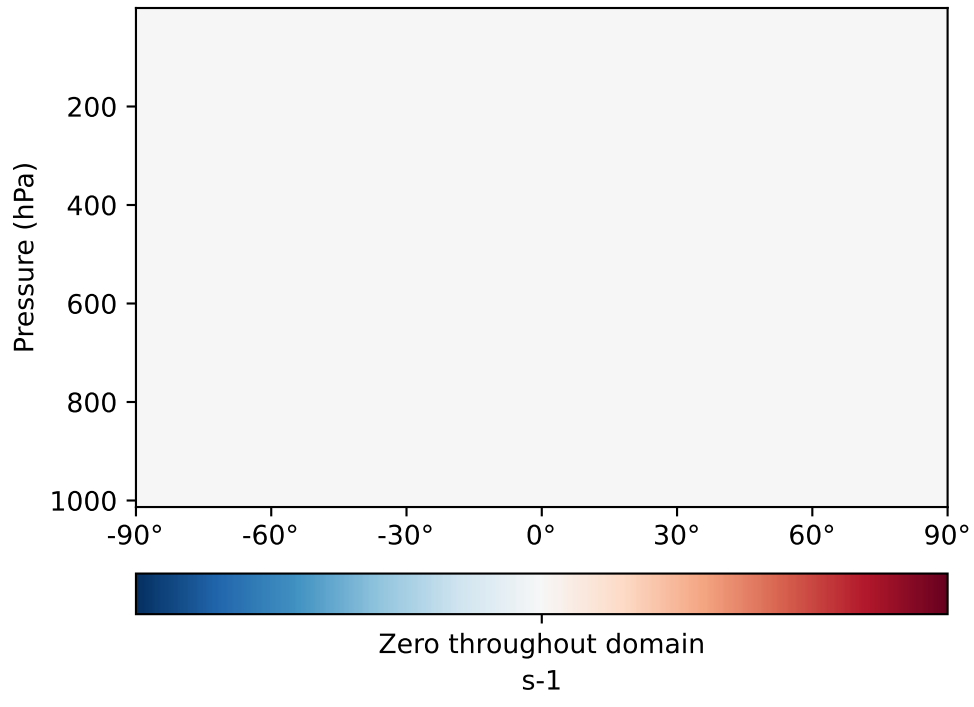
GCHP_13.2.0 (Dev)
1x1.25 regridded from c48



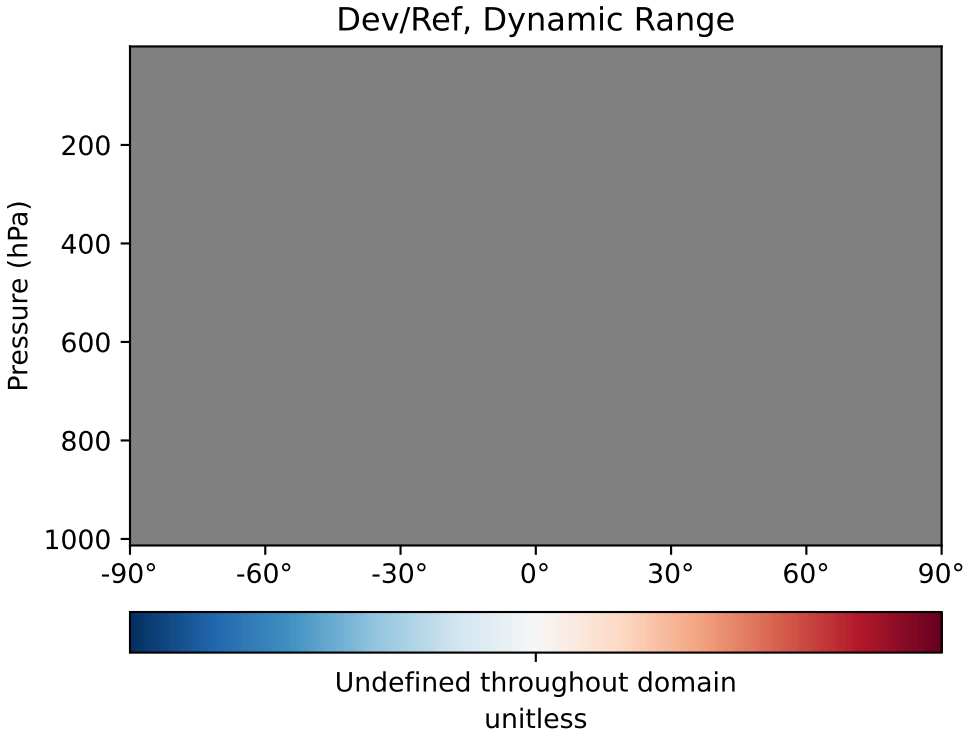
Difference (1x1.25)
Dev - Ref, Dynamic Range



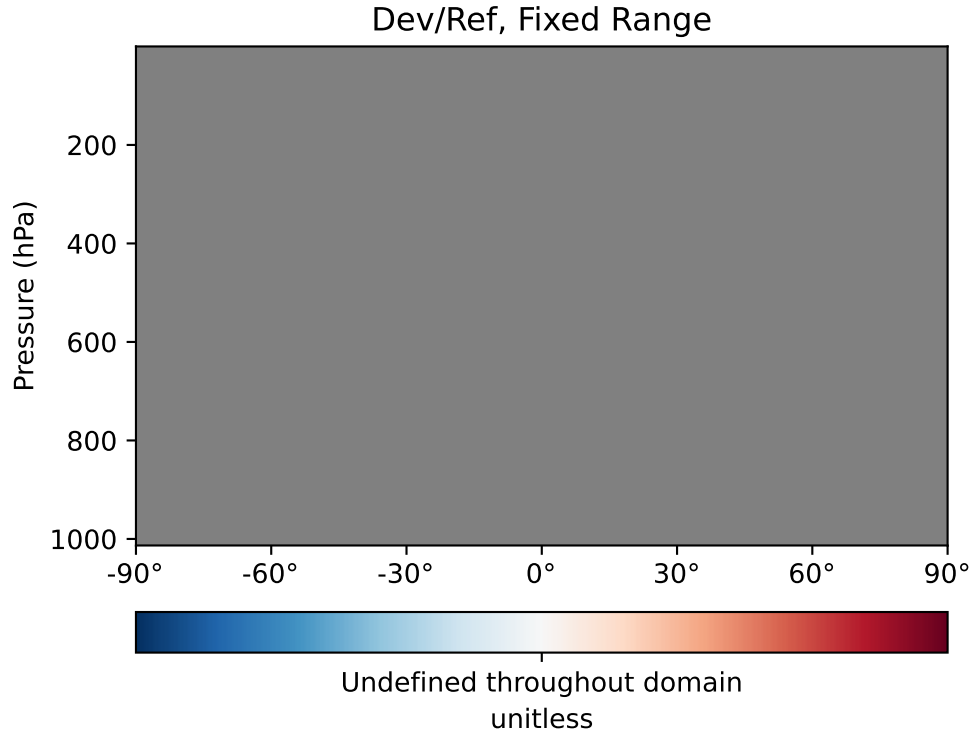
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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



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

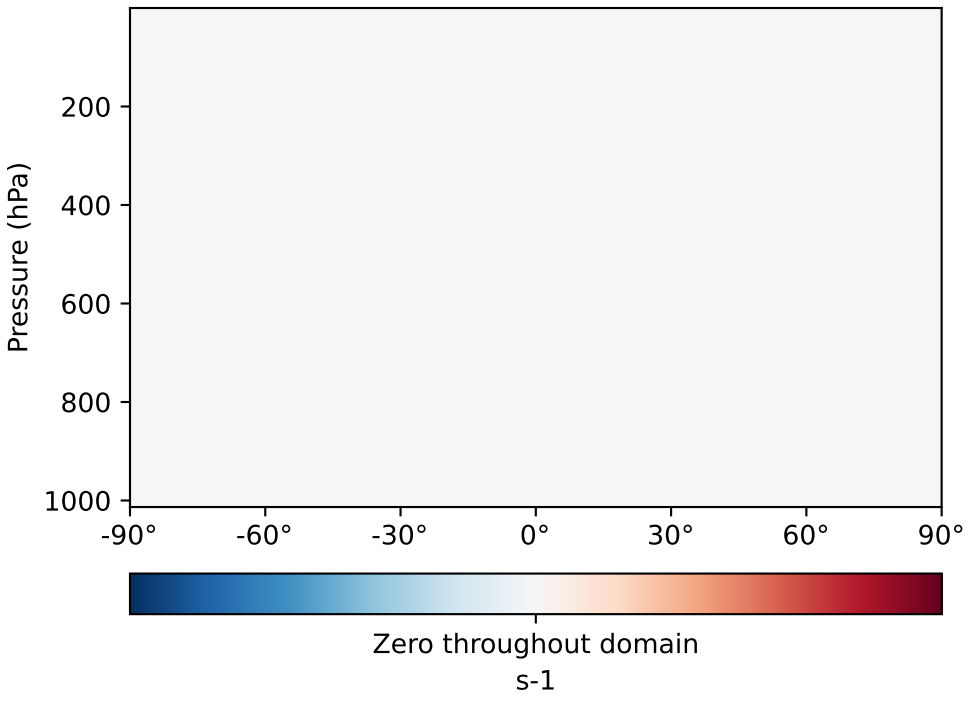


Jval_NITs, Zonal Mean (Apr2019)

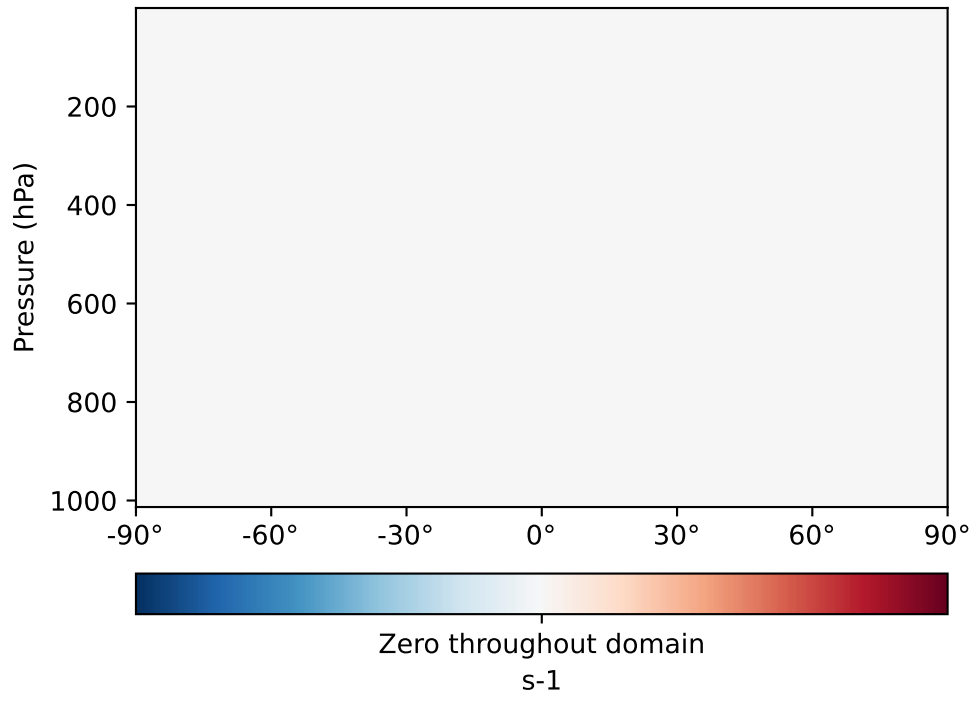
GCC_13.2.0 (Ref)
4.0x5.0

GCHP_13.2.0 (Dev)
1x1.25 regridded from c48

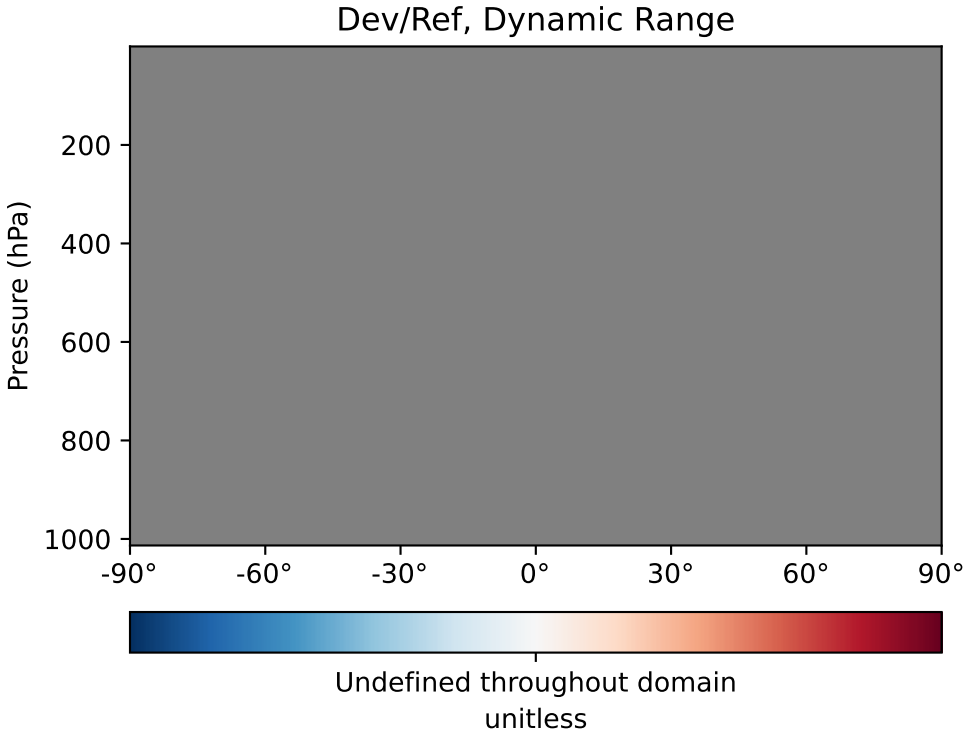
Difference (1x1.25)
Dev - Ref, Dynamic Range



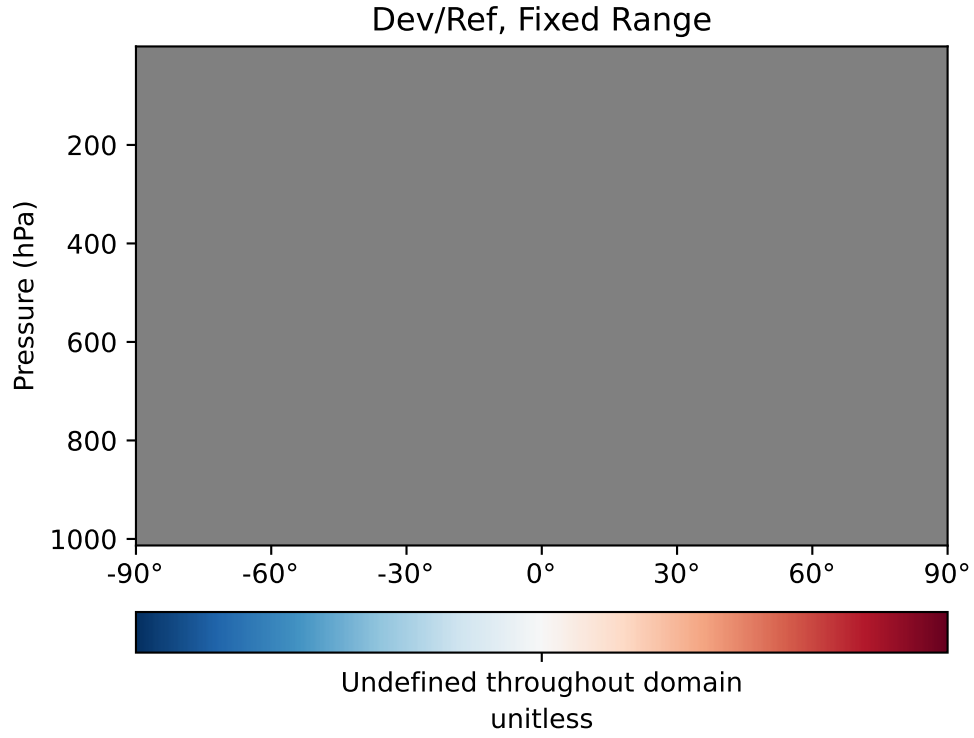
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



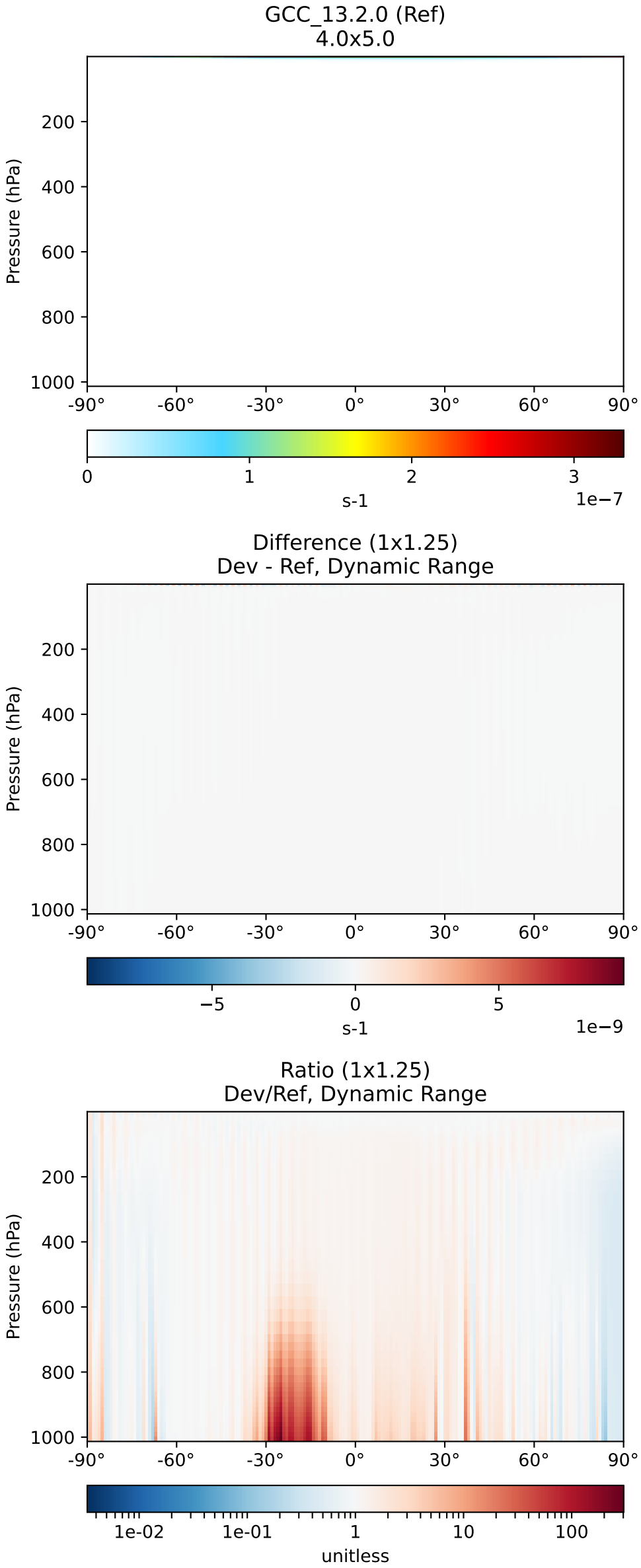
Ratio (1x1.25)
Dev/Ref, Dynamic Range

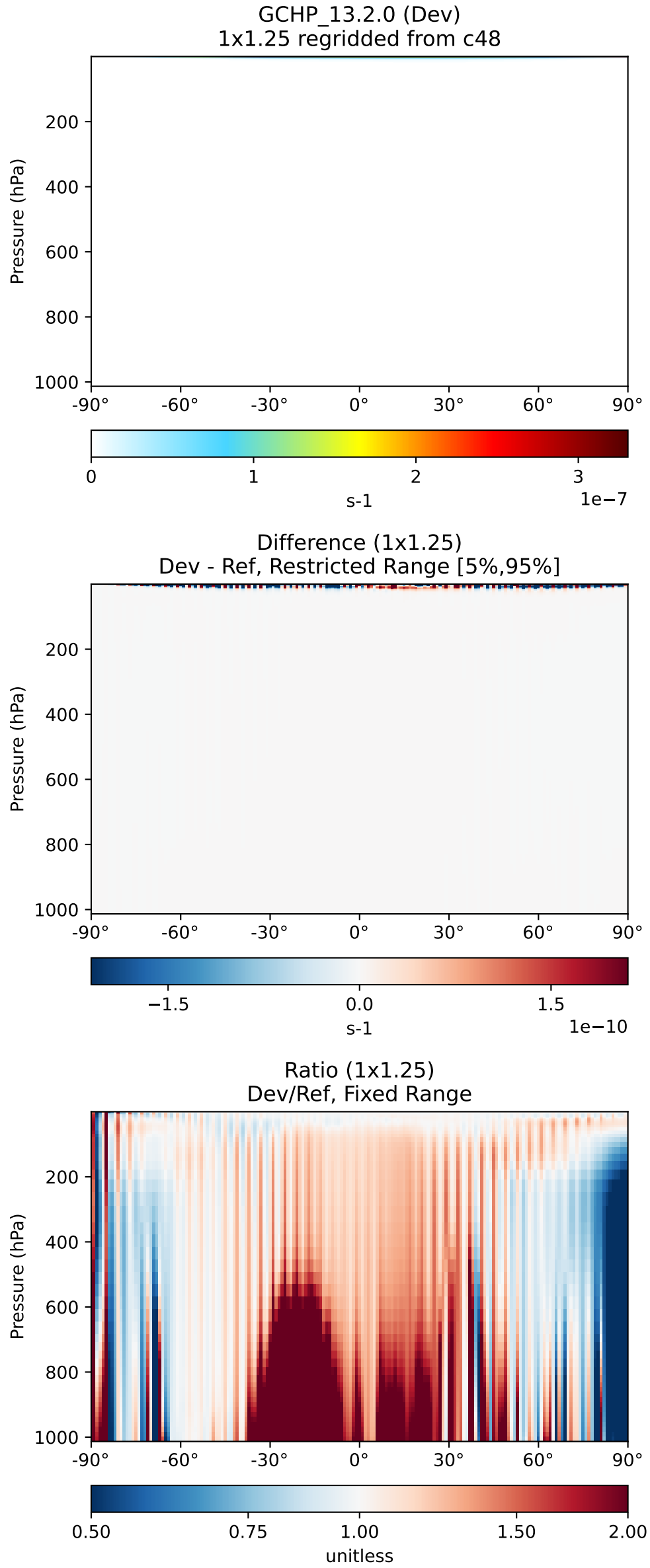


Ratio (1x1.25)
Dev/Ref, Fixed Range

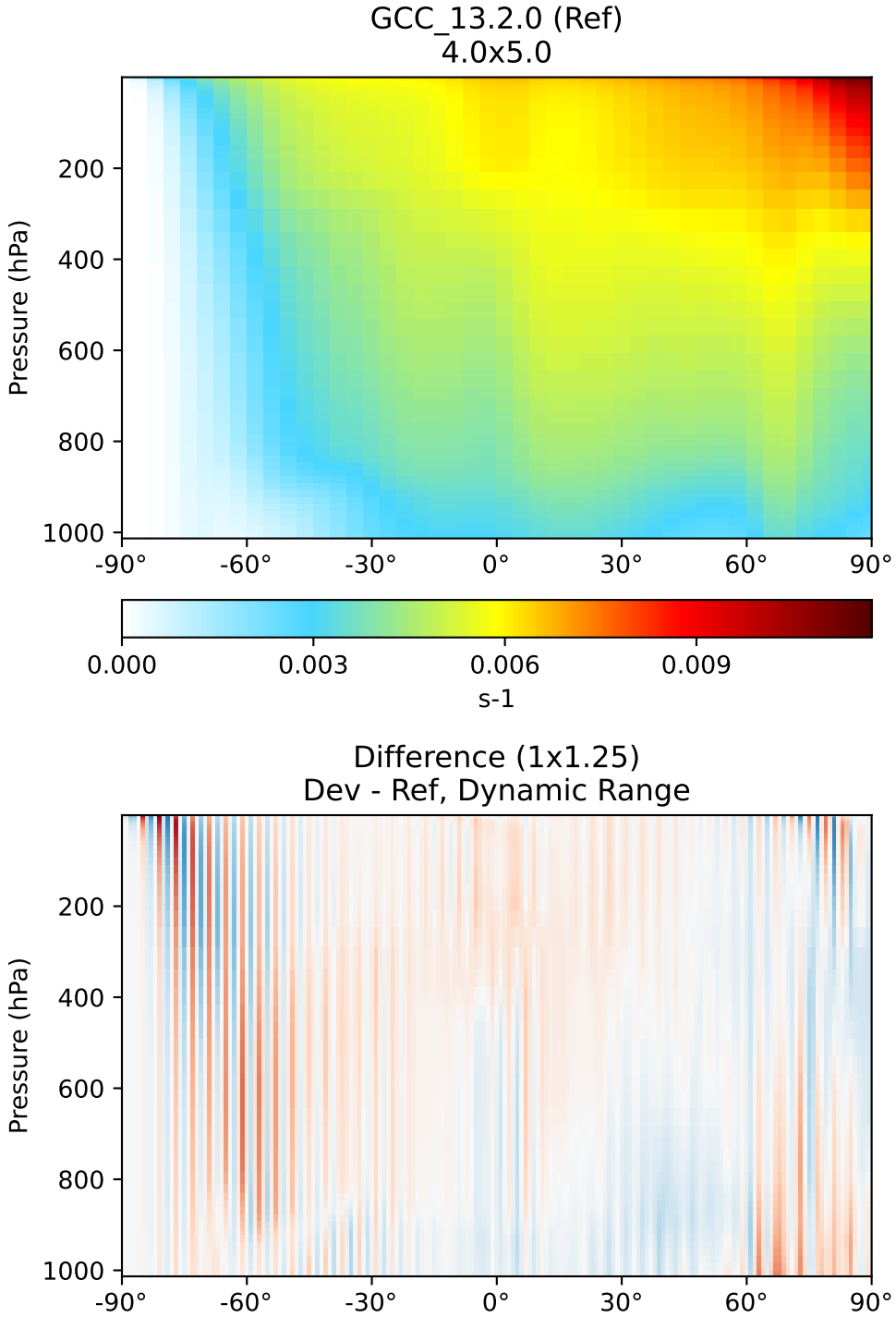


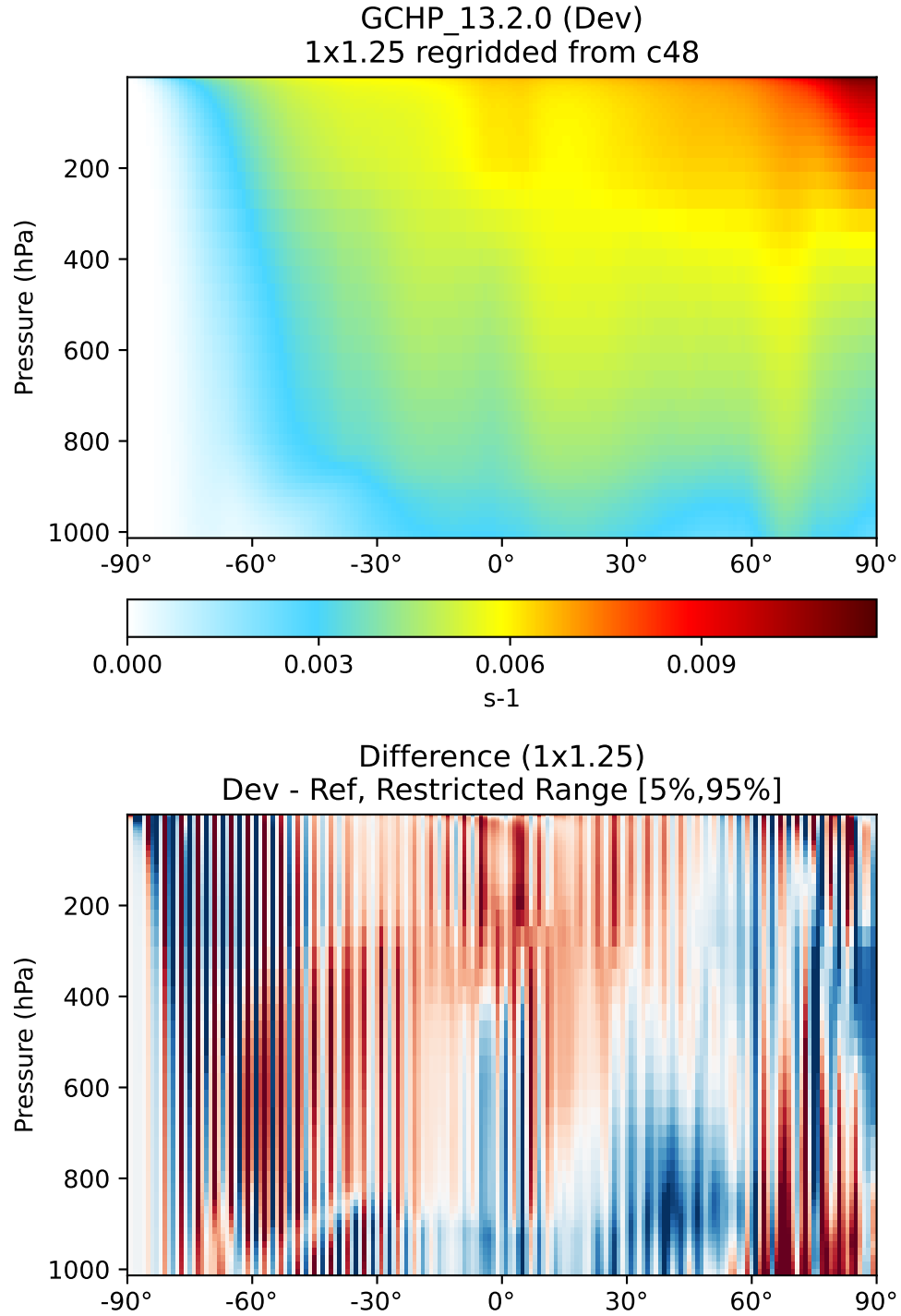
Jval_NO, Zonal Mean (Apr2019)

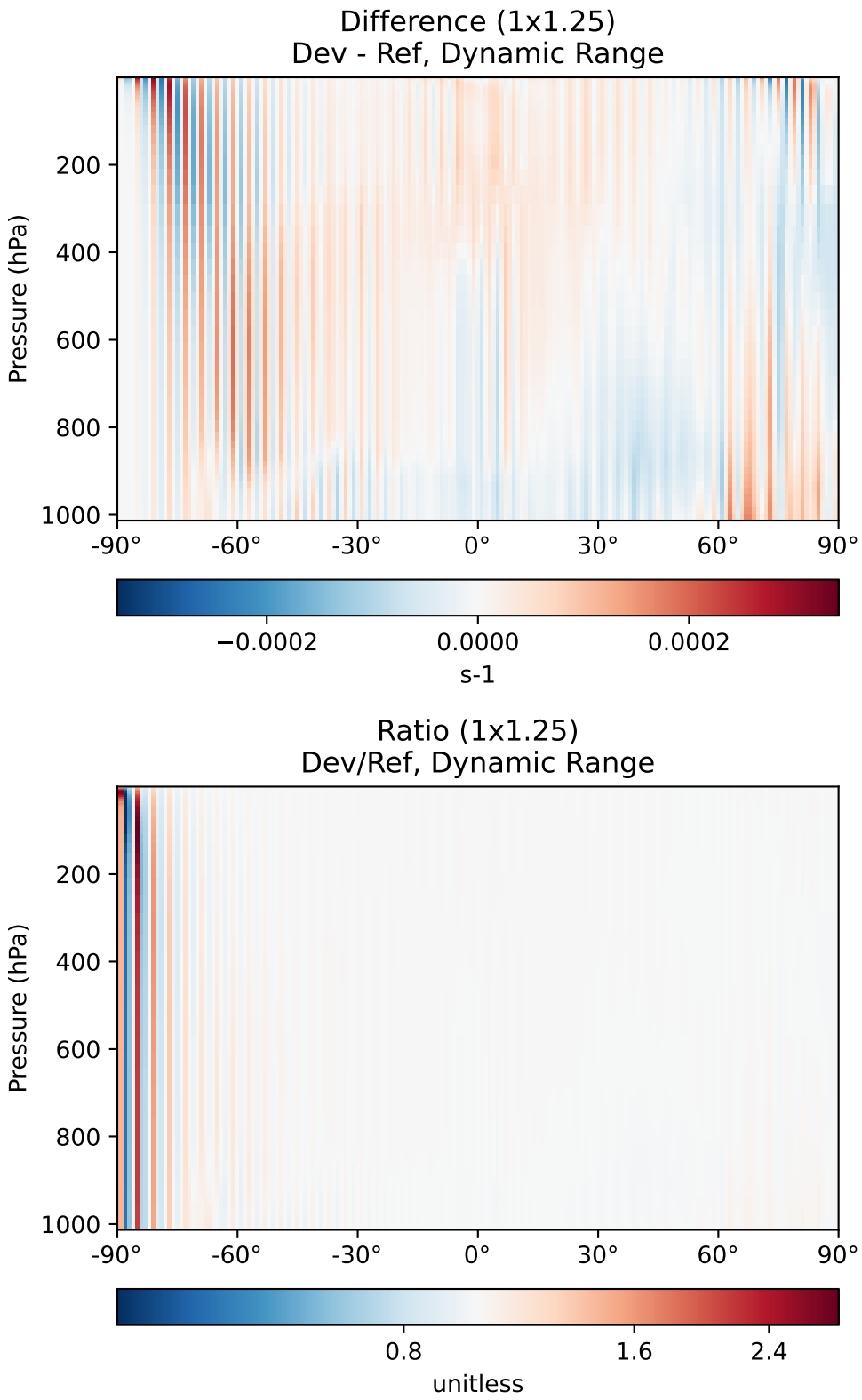


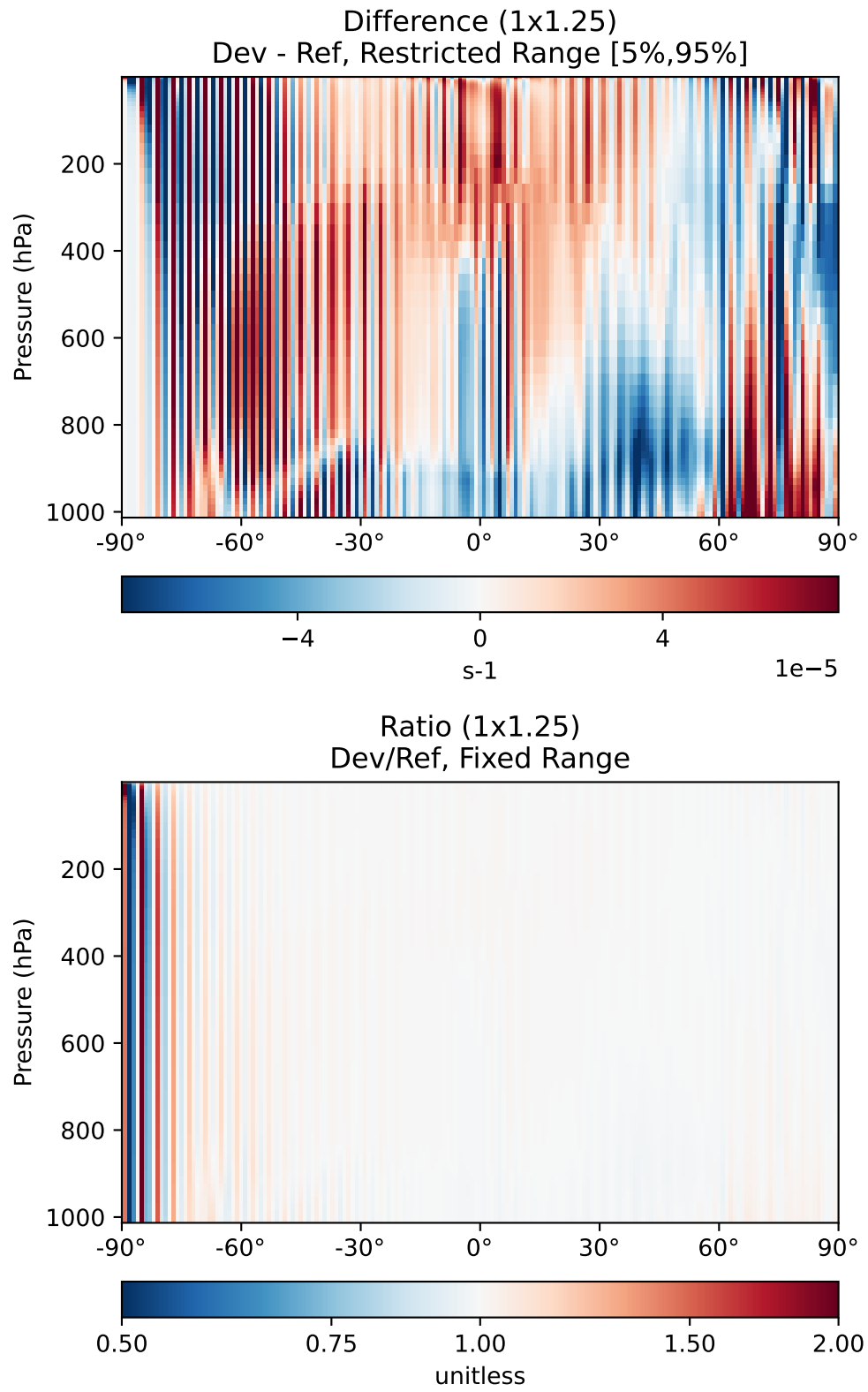


Jval_NO2, Zonal Mean (Apr2019)

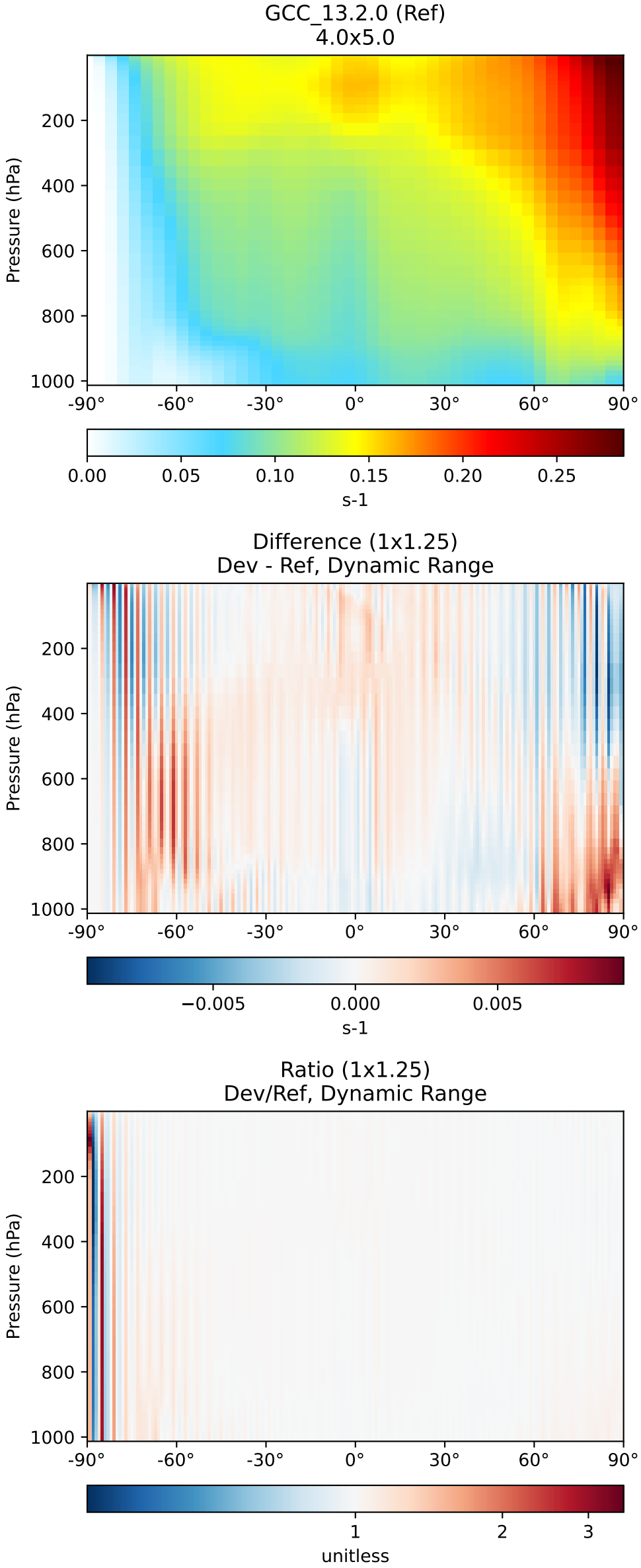


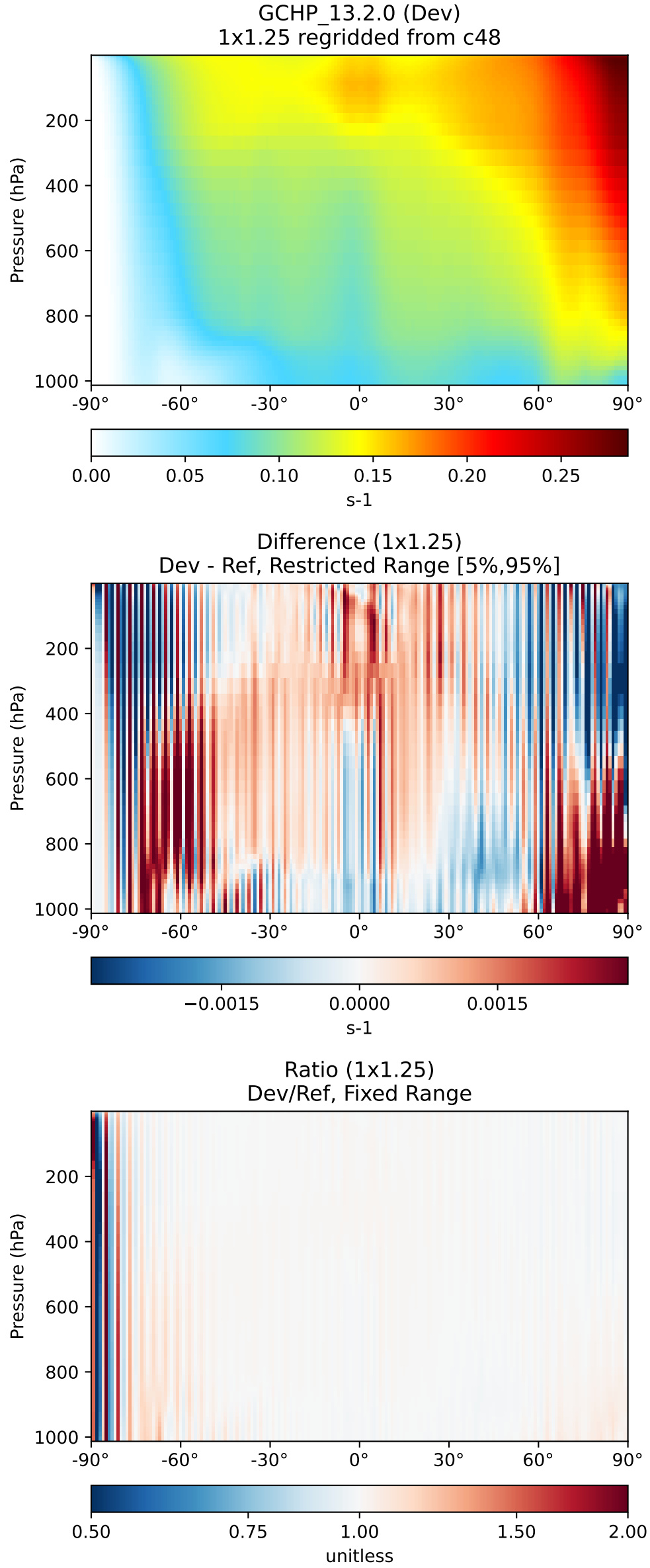




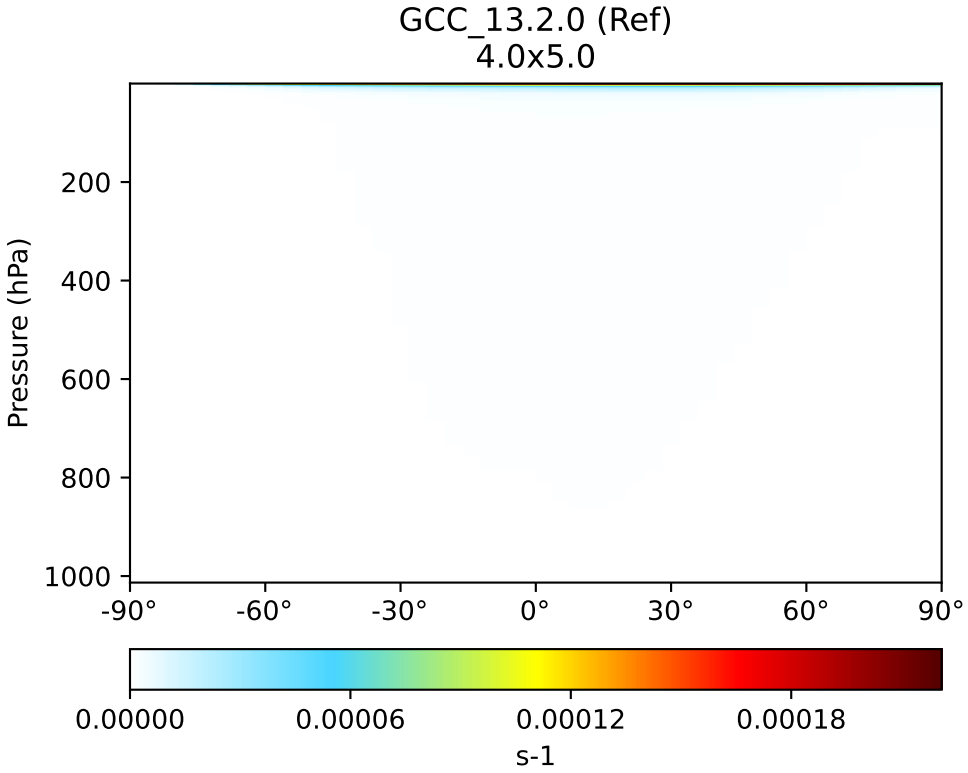


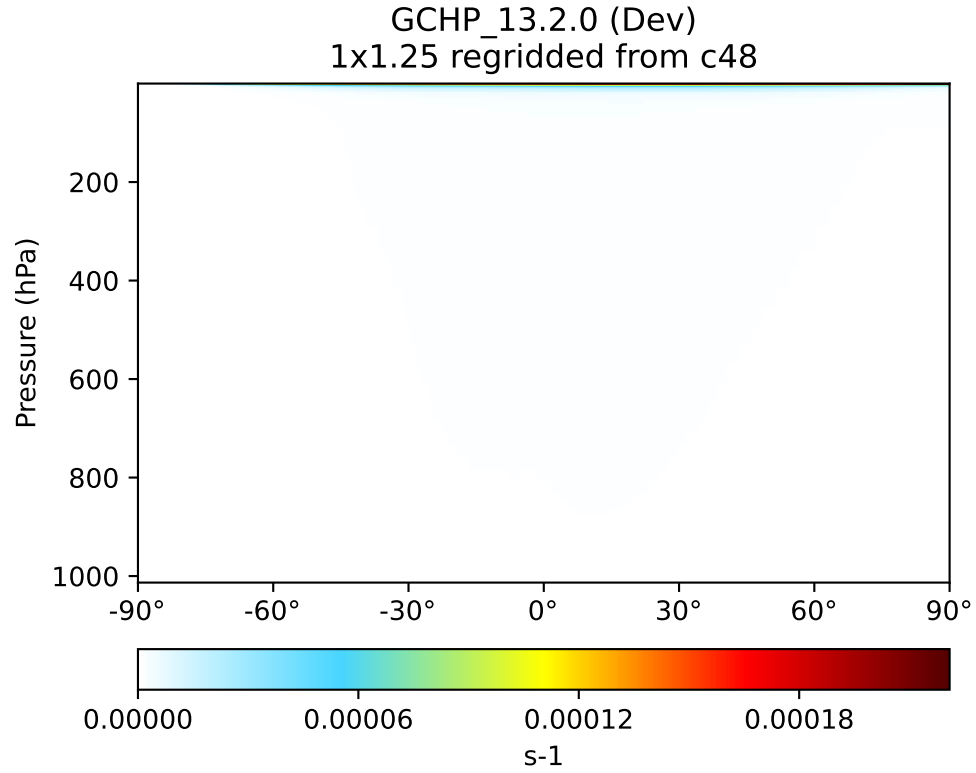
Jval_NO3, Zonal Mean (Apr2019)

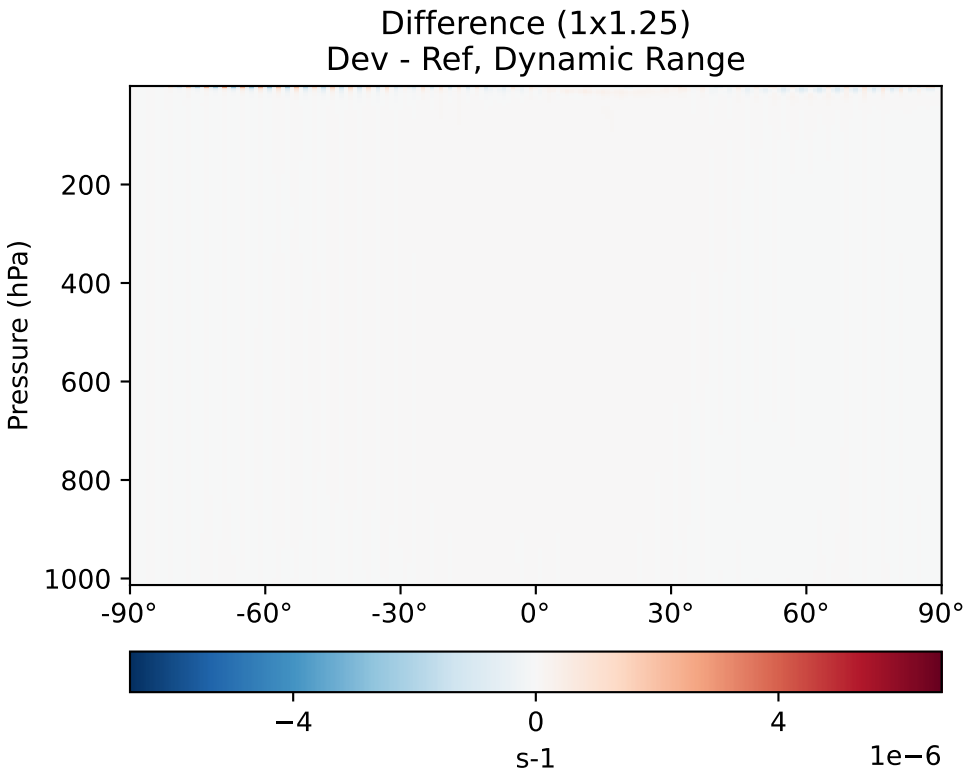


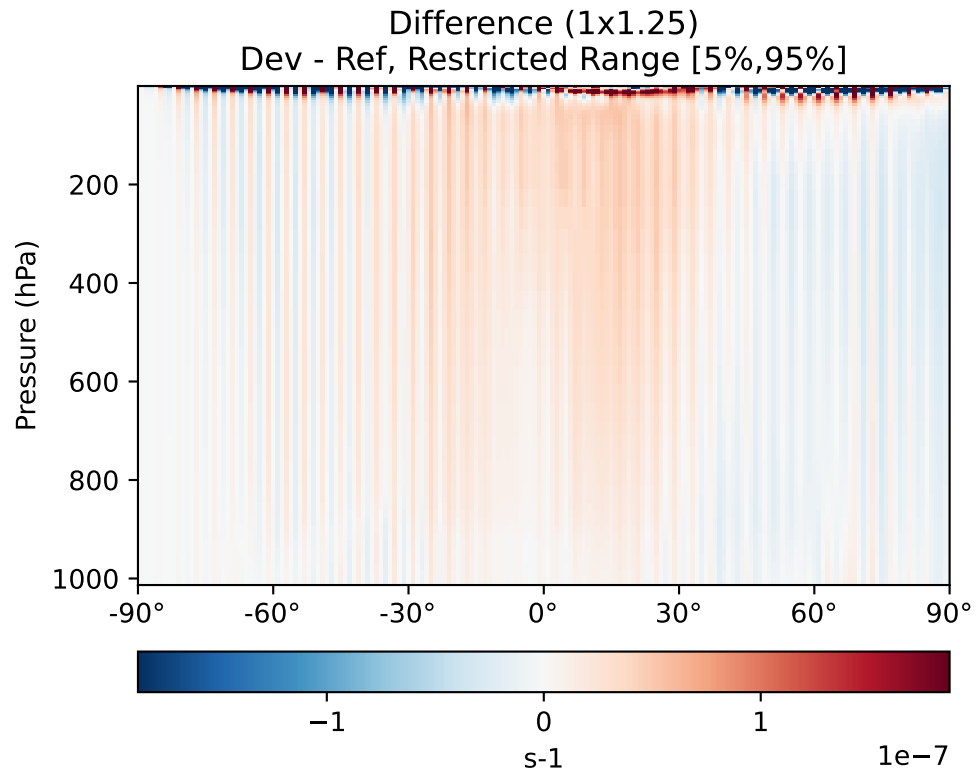


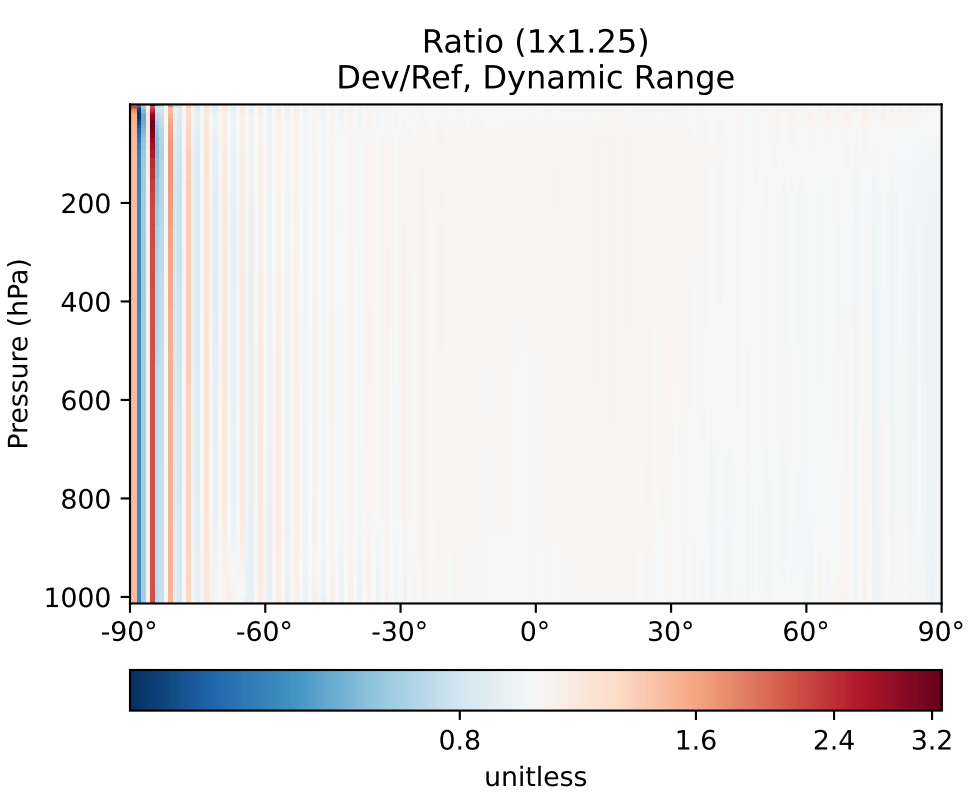
Jval_NPRNO3, Zonal Mean (Apr2019)

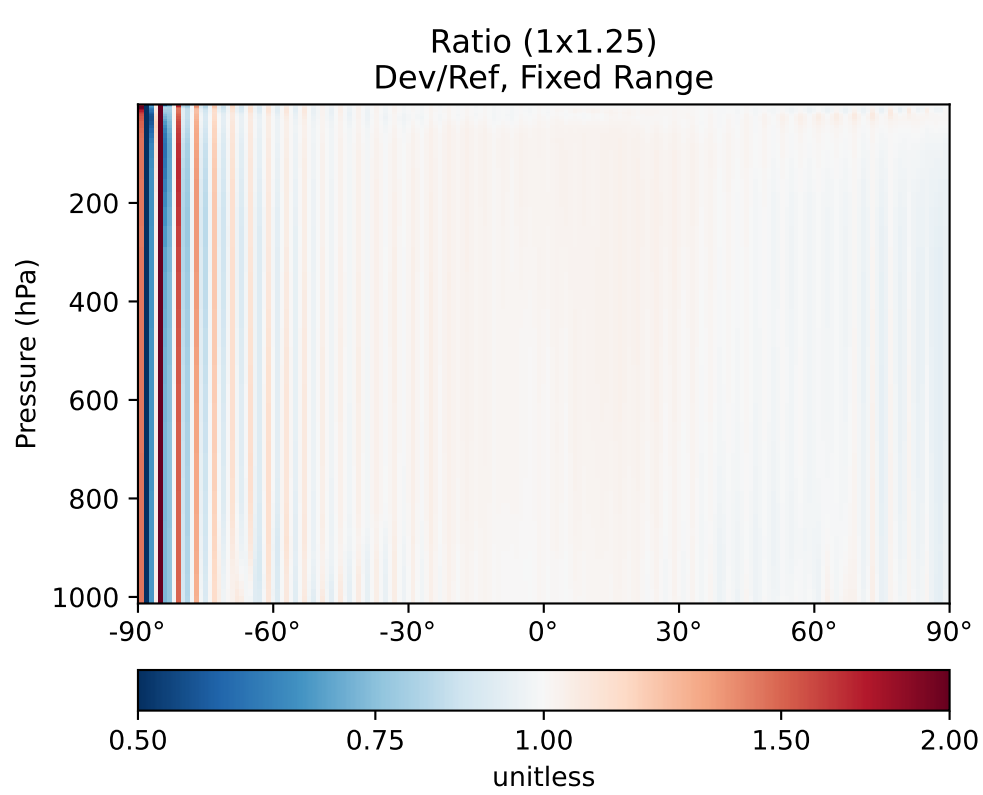




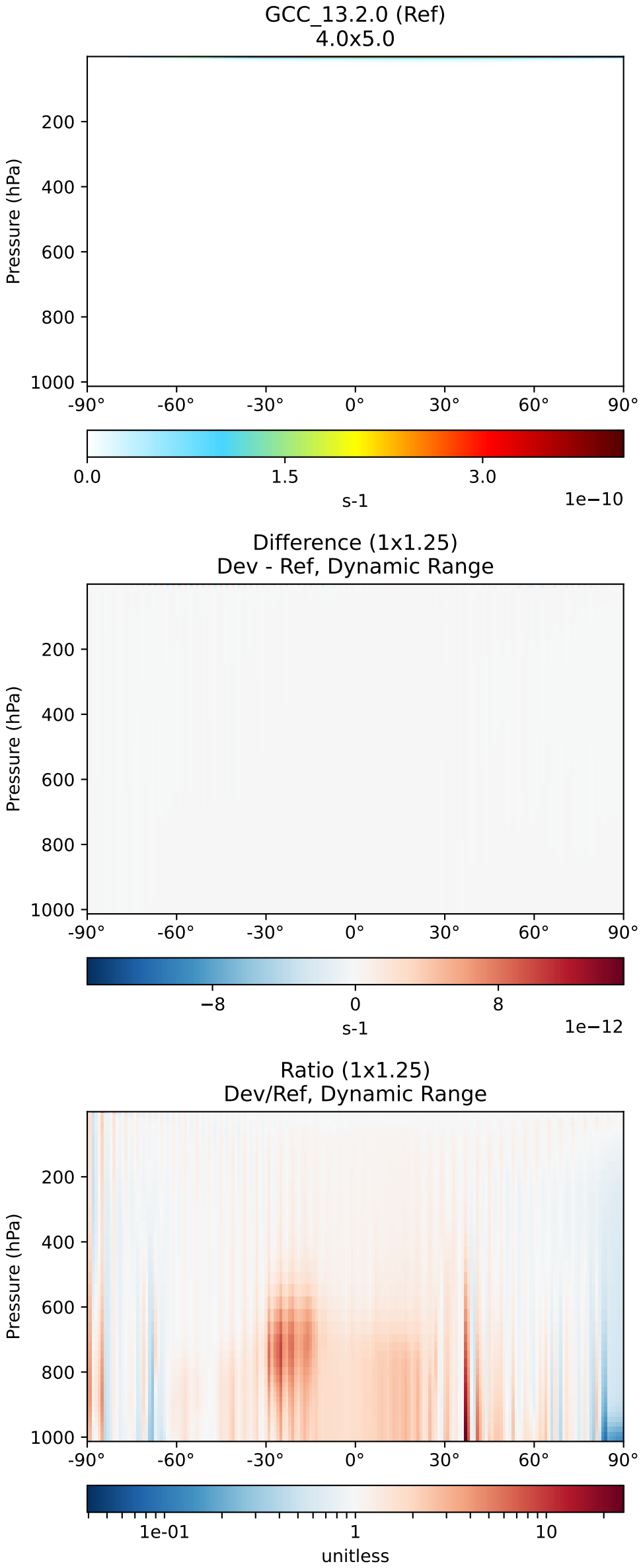


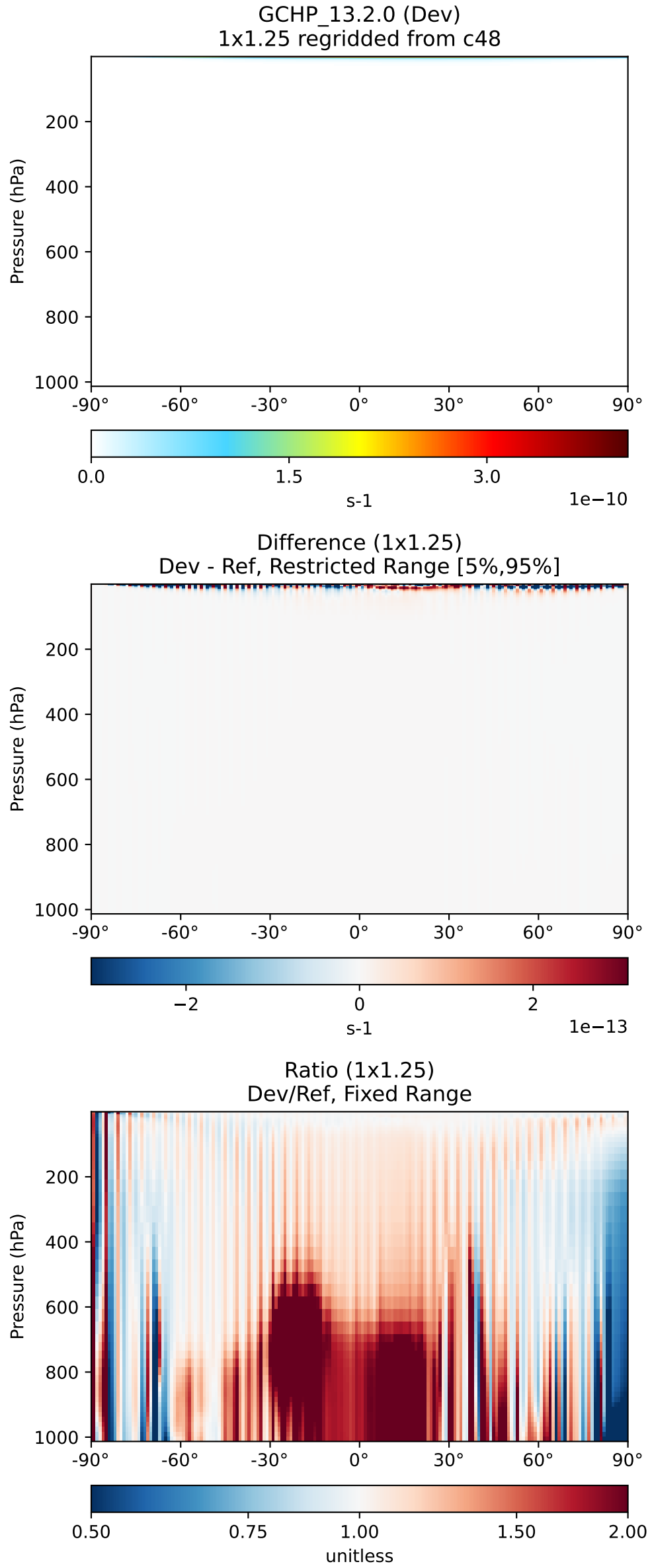




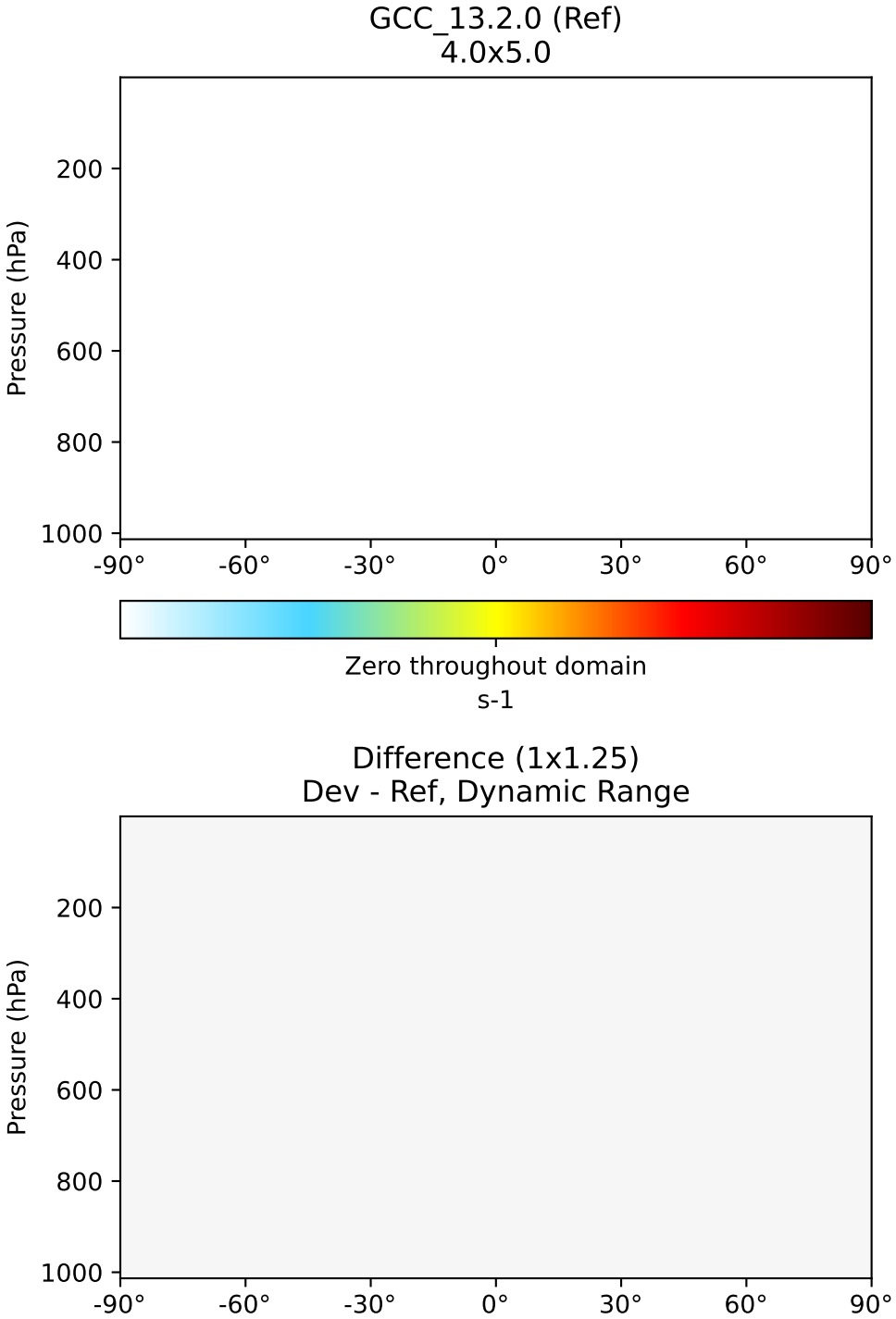


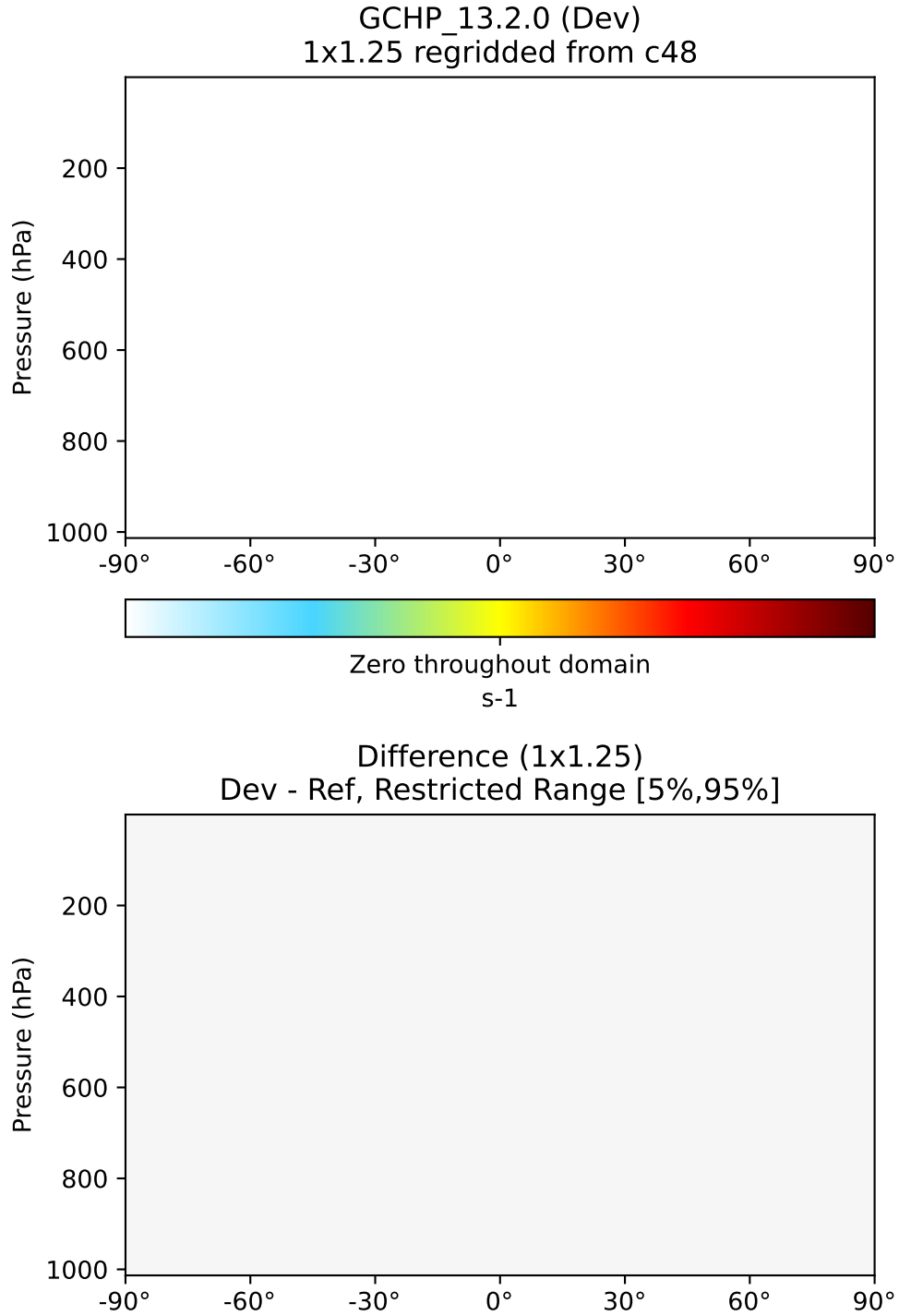
Jval_O2, Zonal Mean (Apr2019)

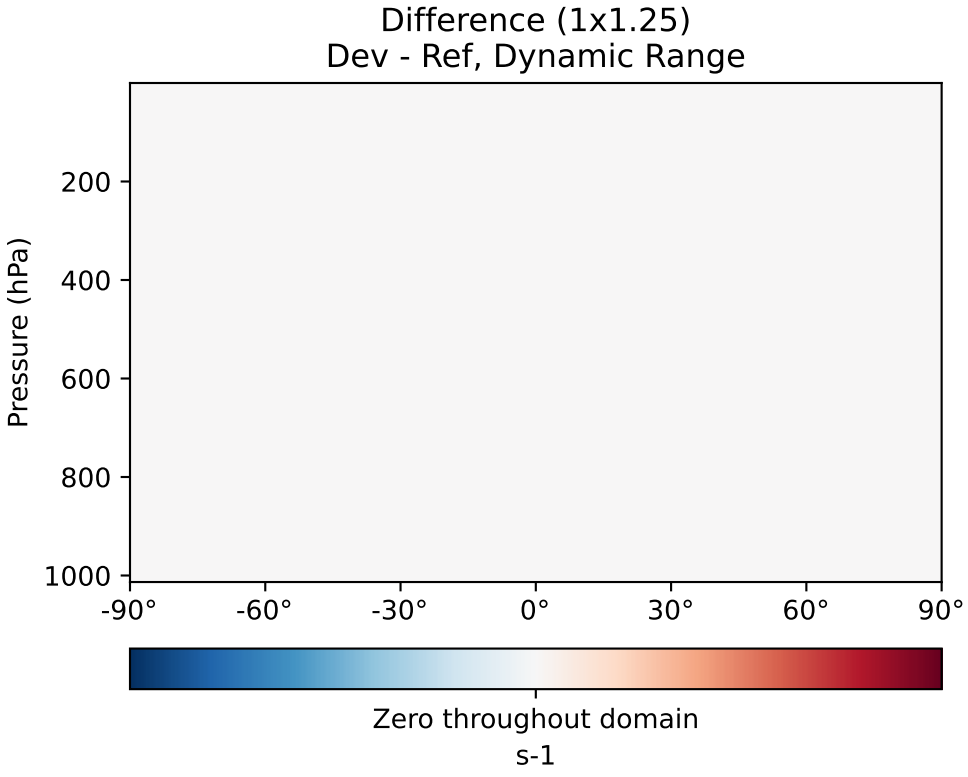


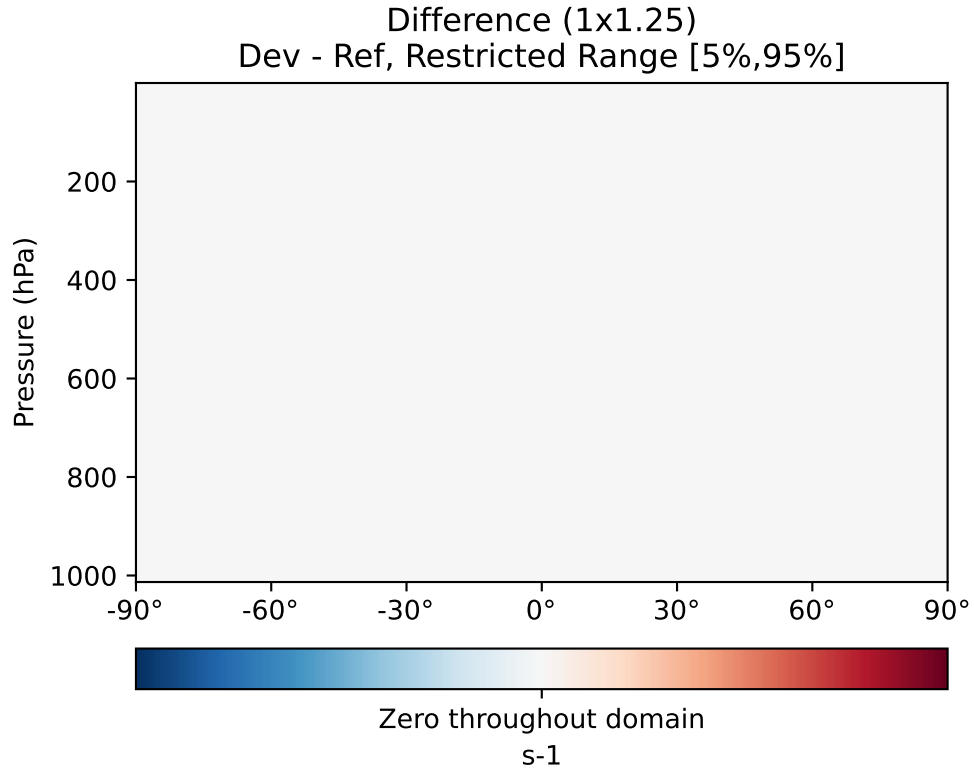


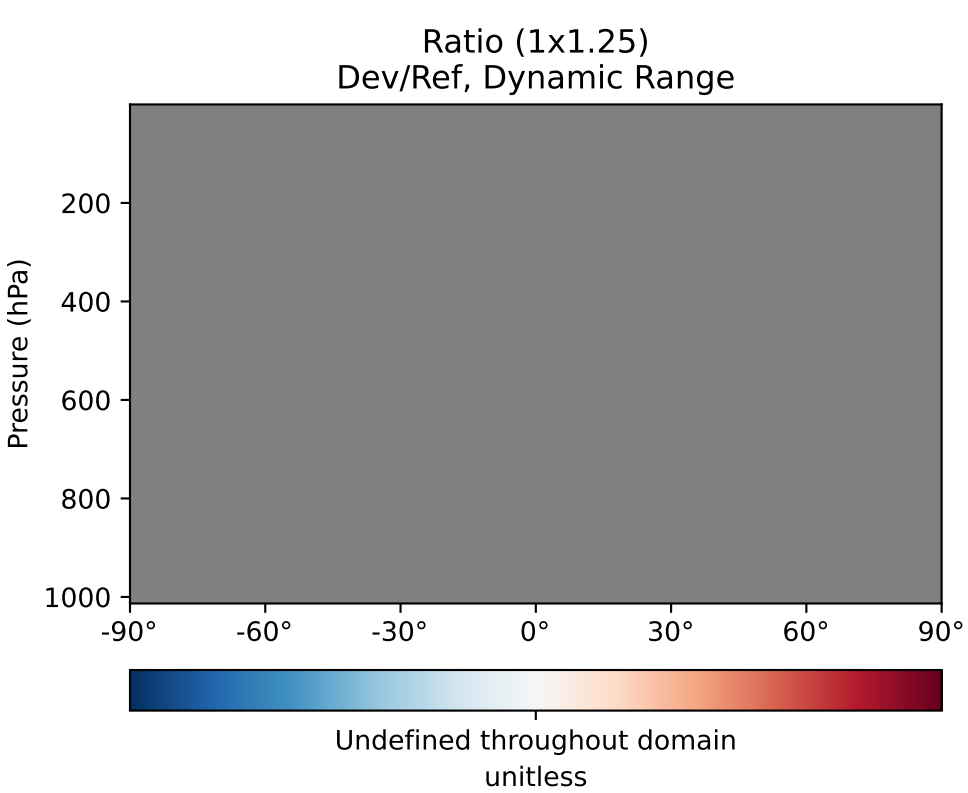
Jval_O3, Zonal Mean (Apr2019)

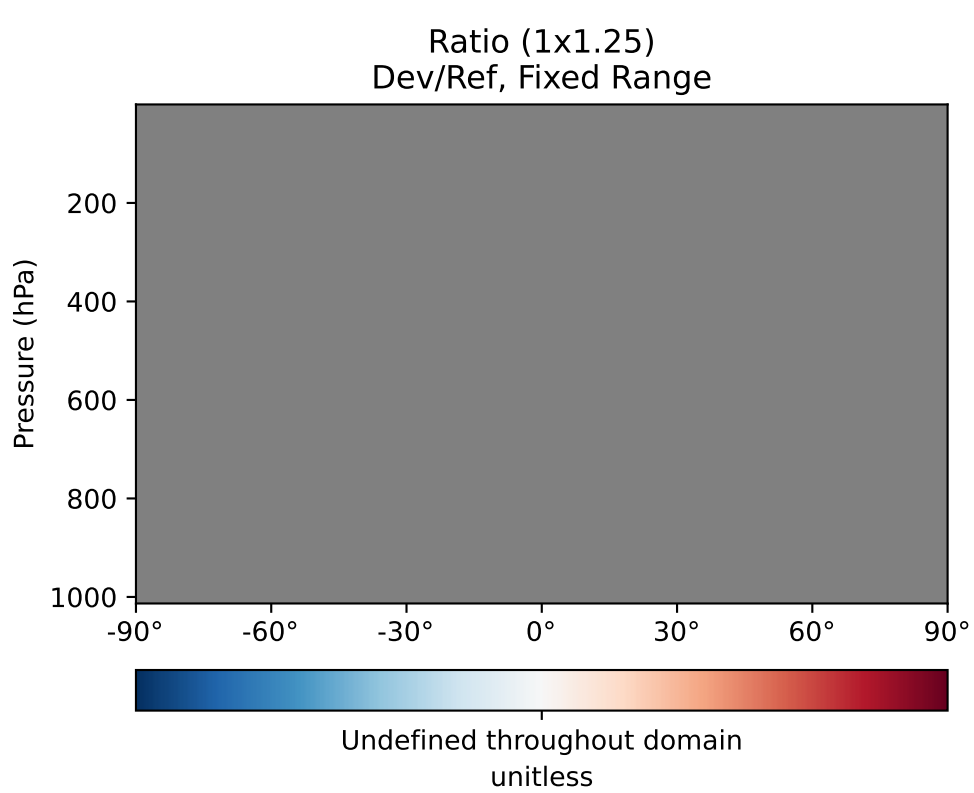




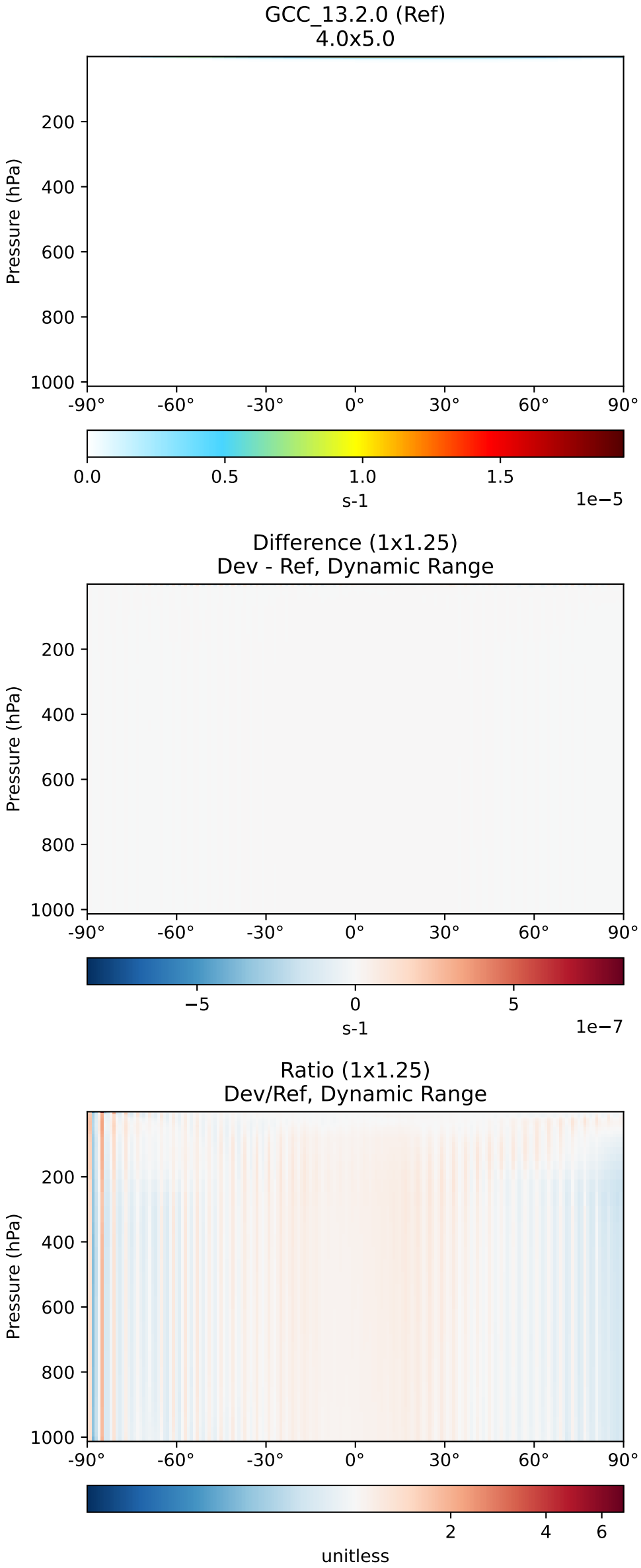


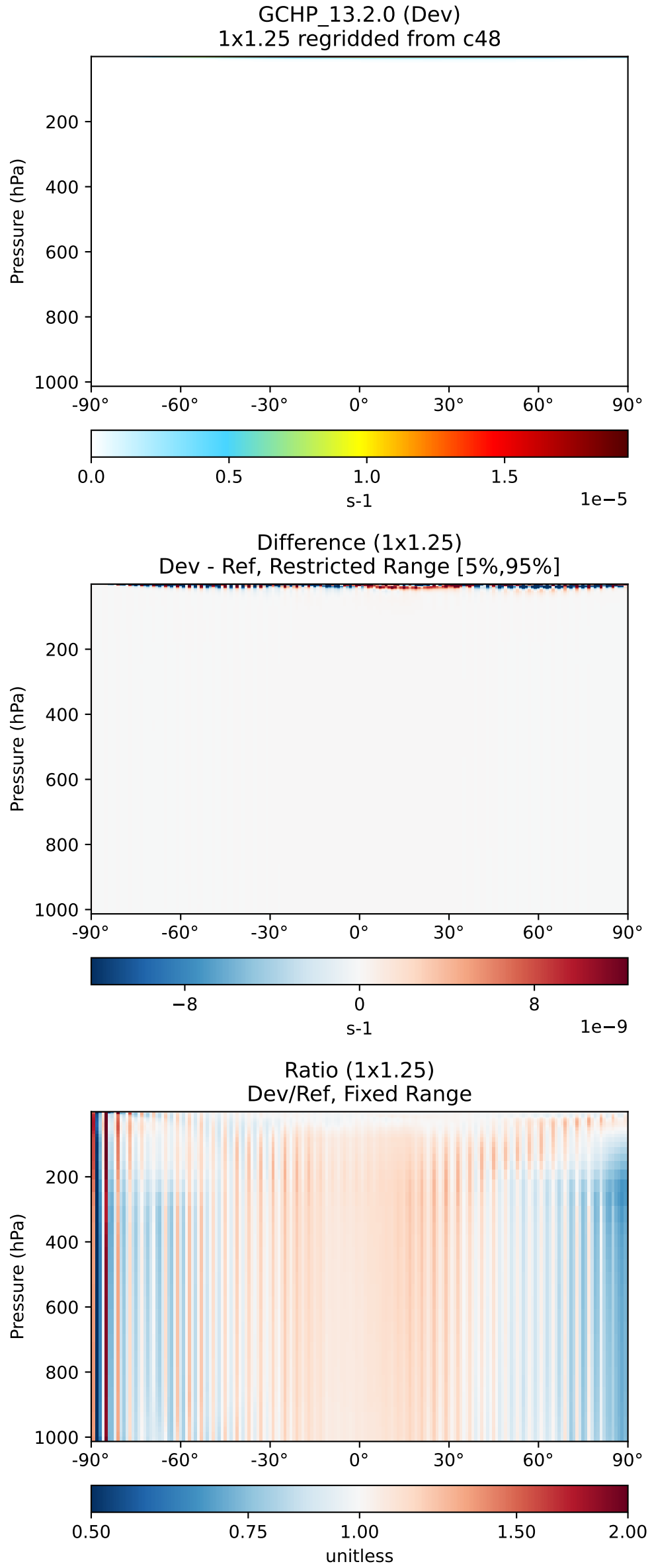




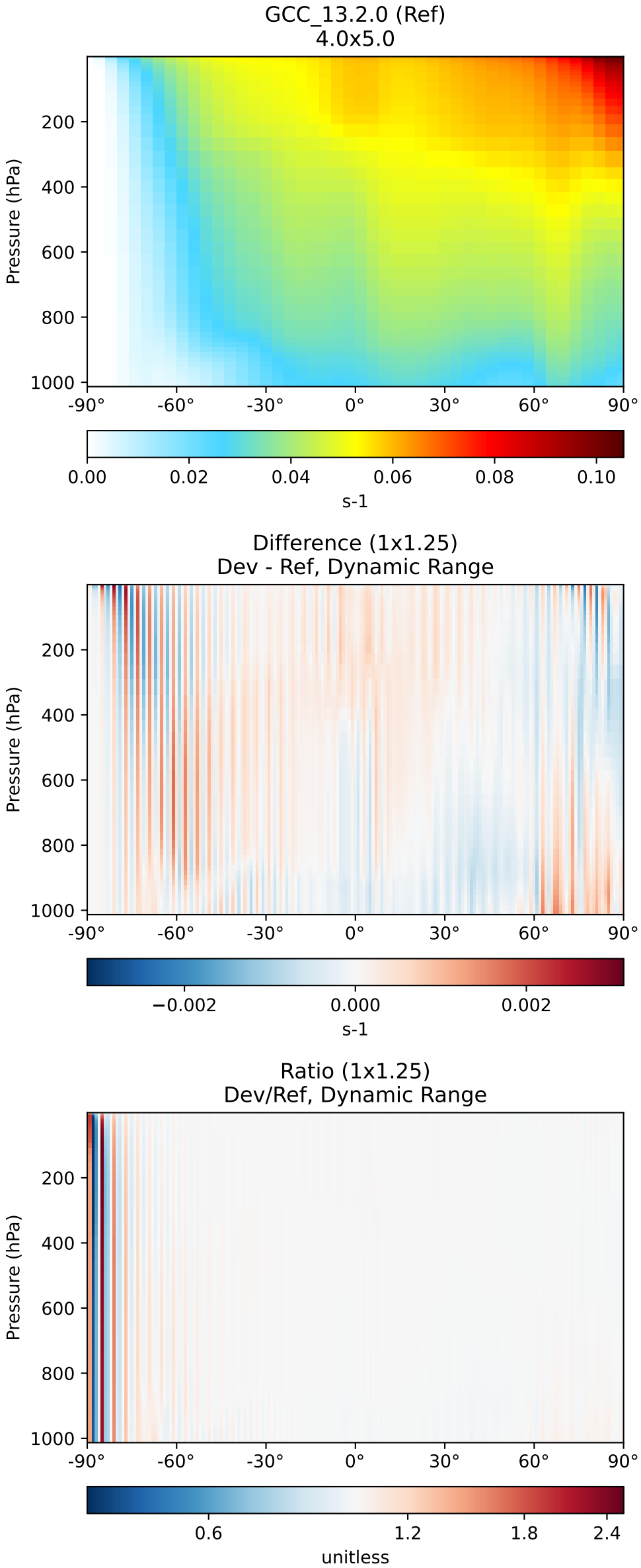


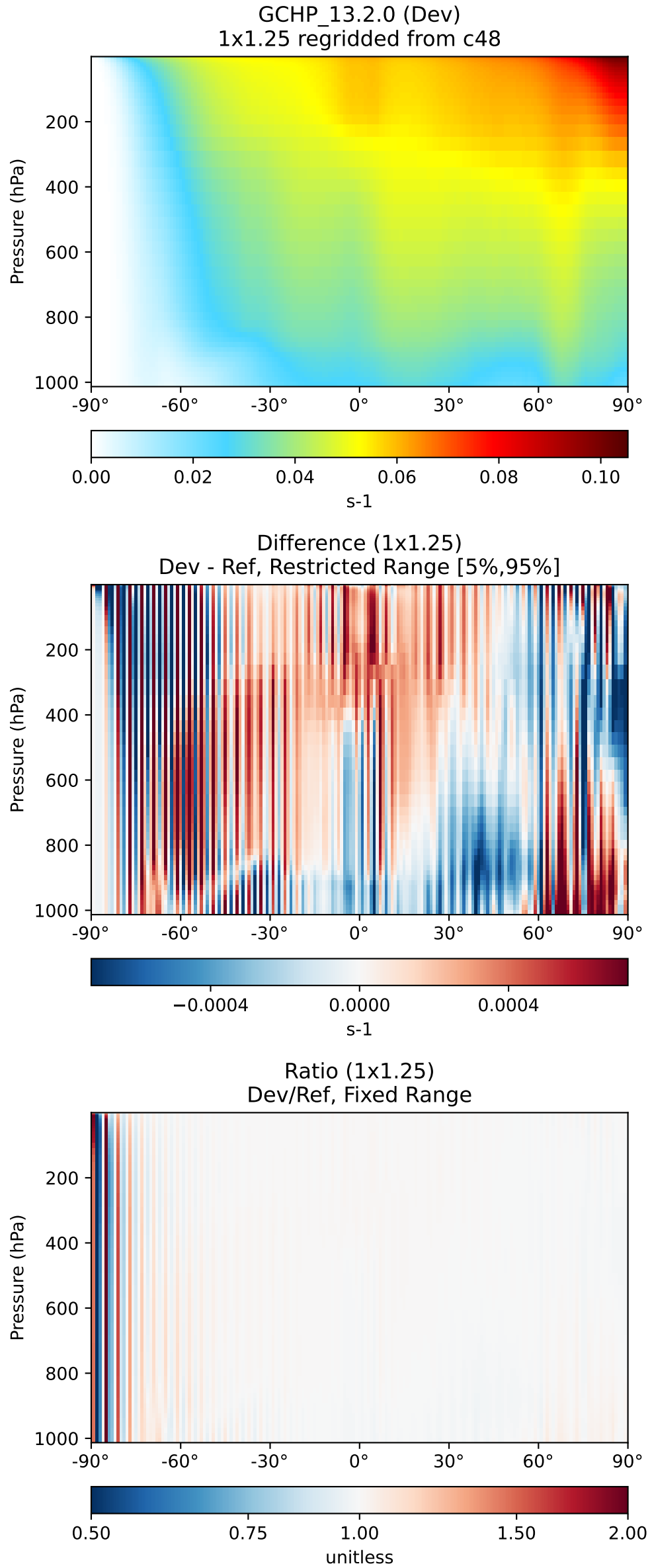
Jval_OCS, Zonal Mean (Apr2019)



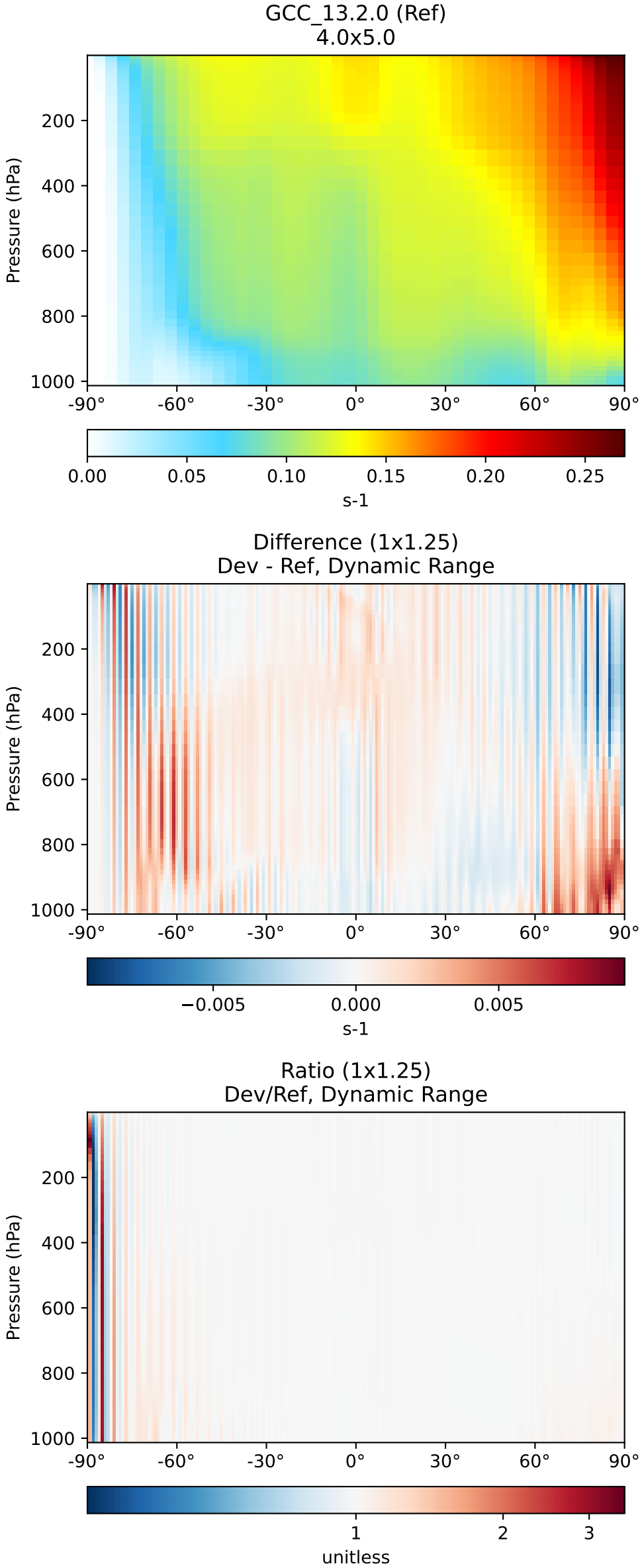


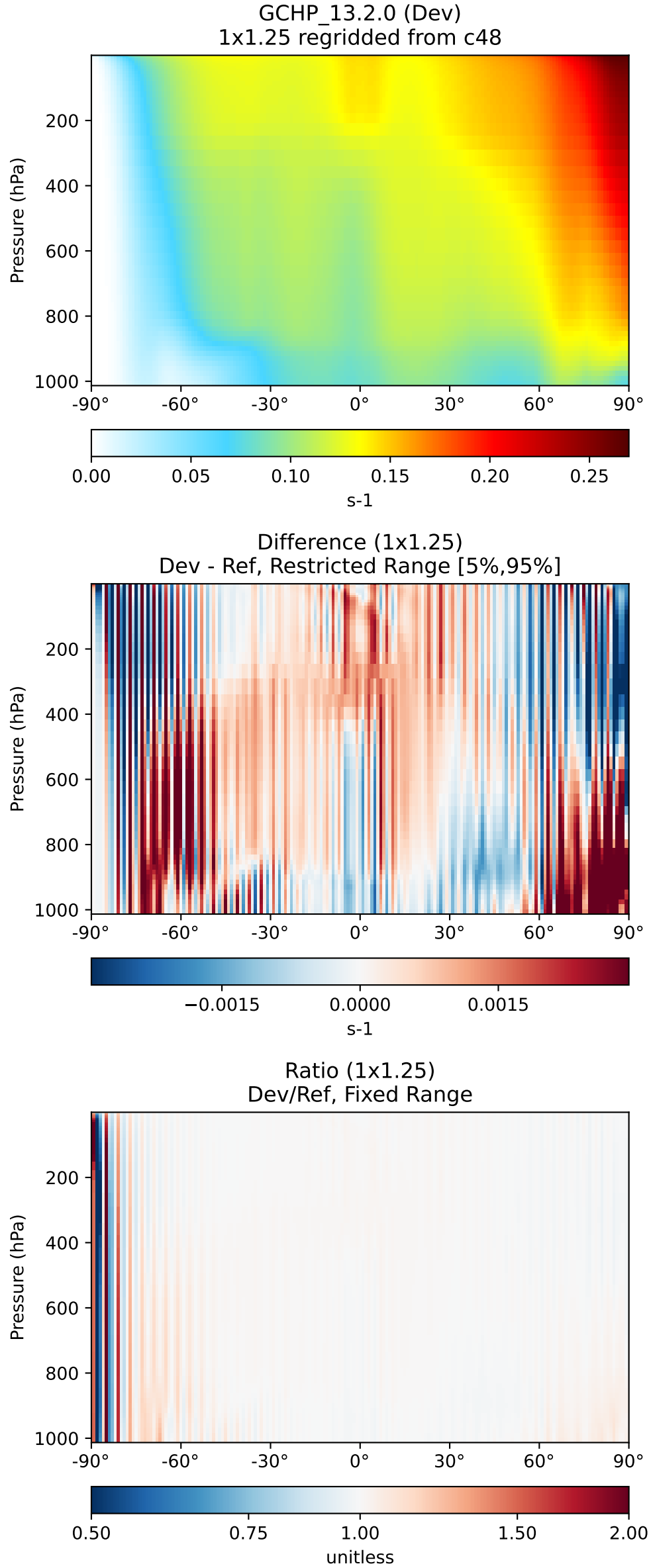
Jval_OClO, Zonal Mean (Apr2019)



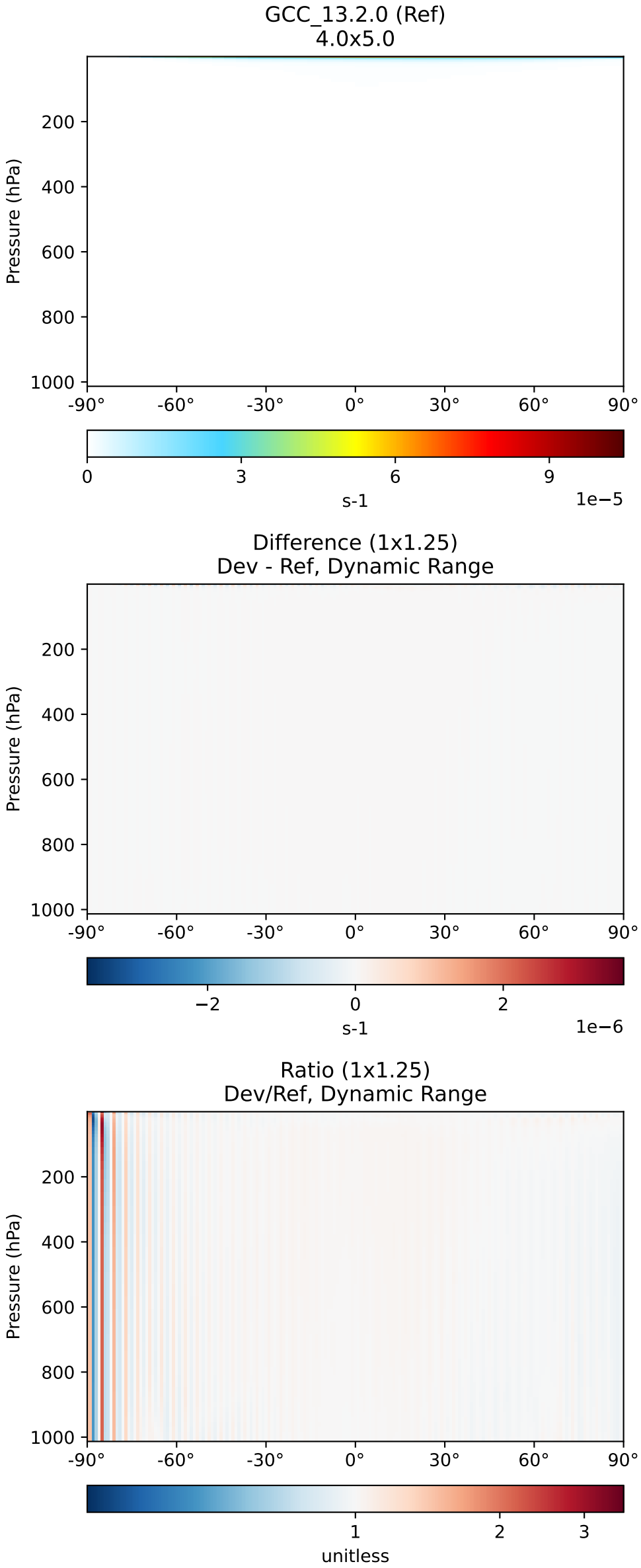


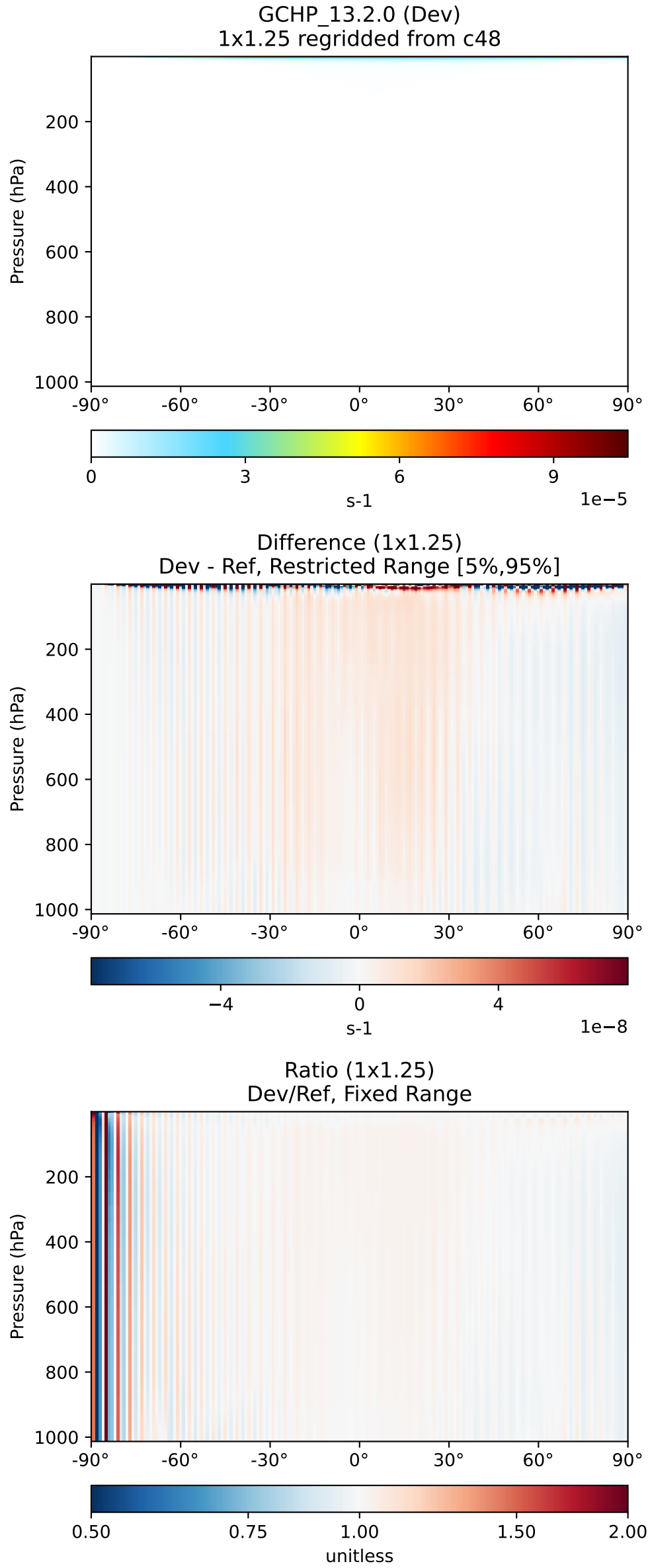
Jval_OIO, Zonal Mean (Apr2019)



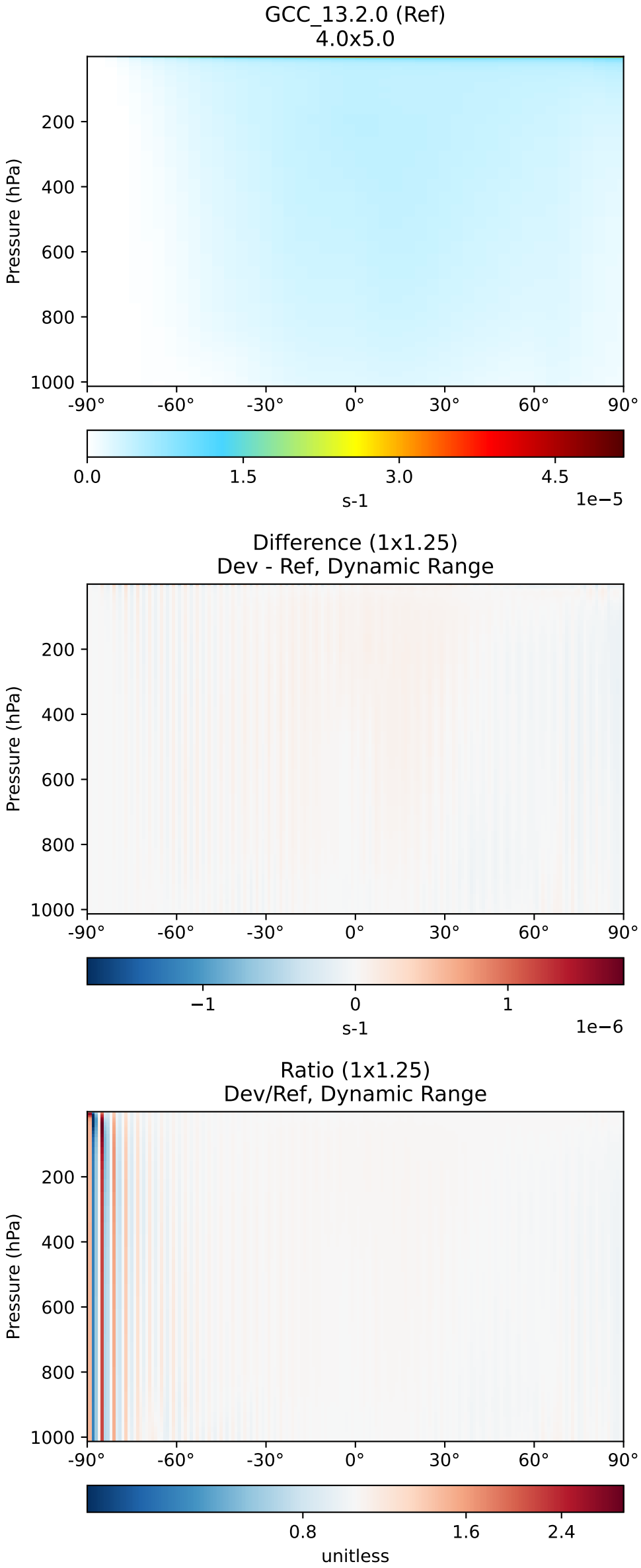


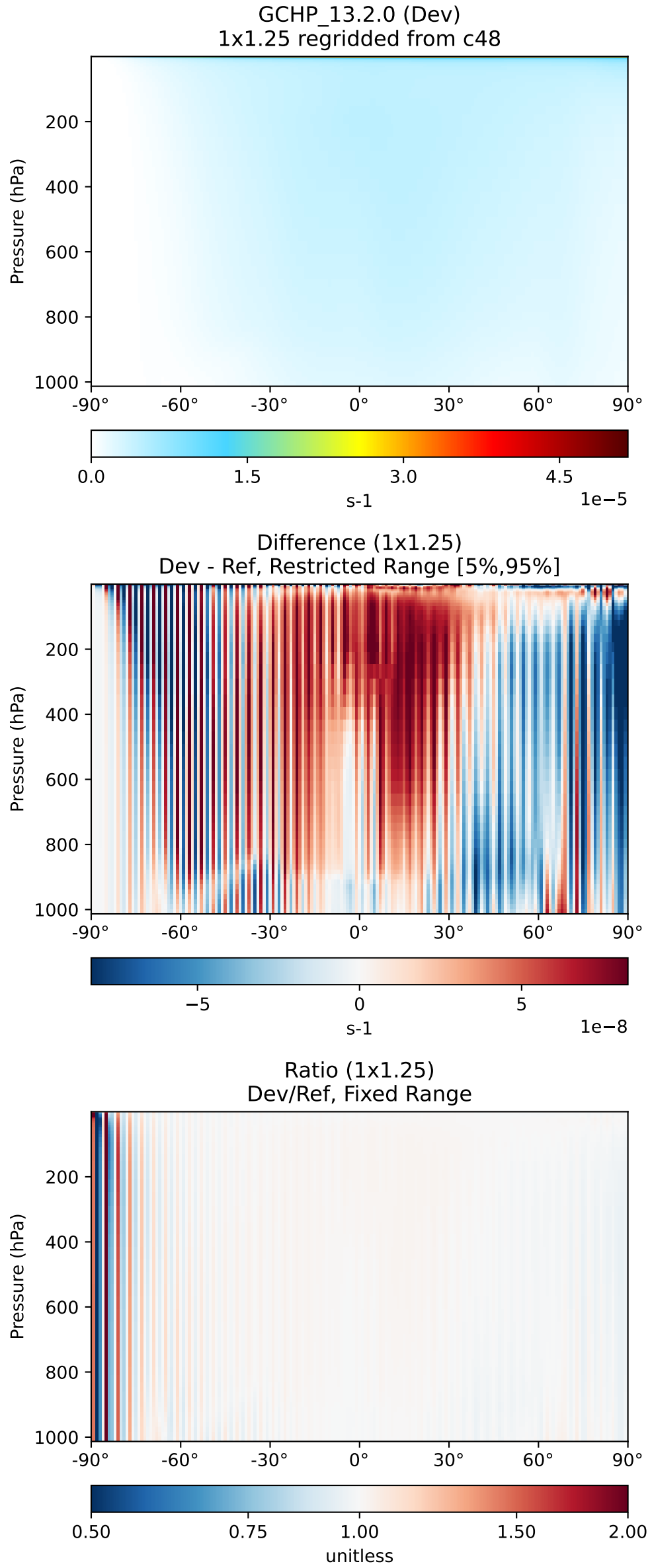
Jval_PAN, Zonal Mean (Apr2019)



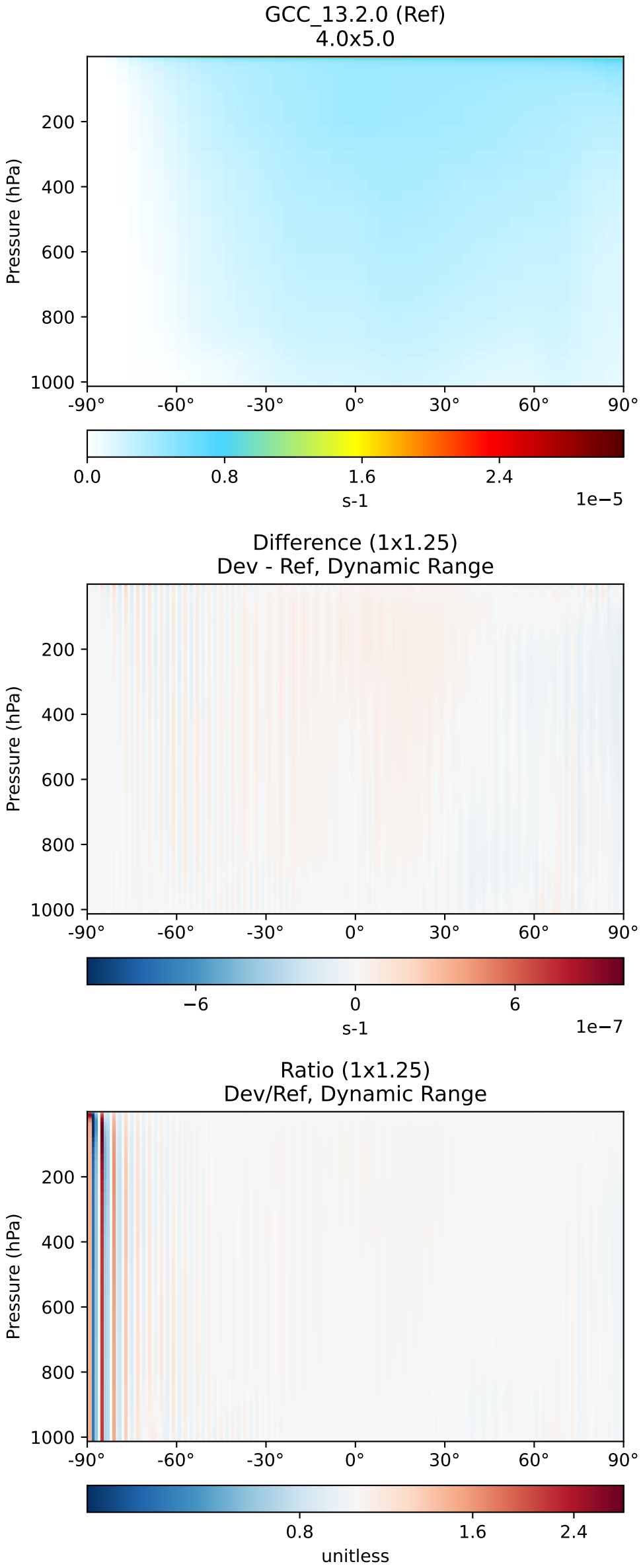


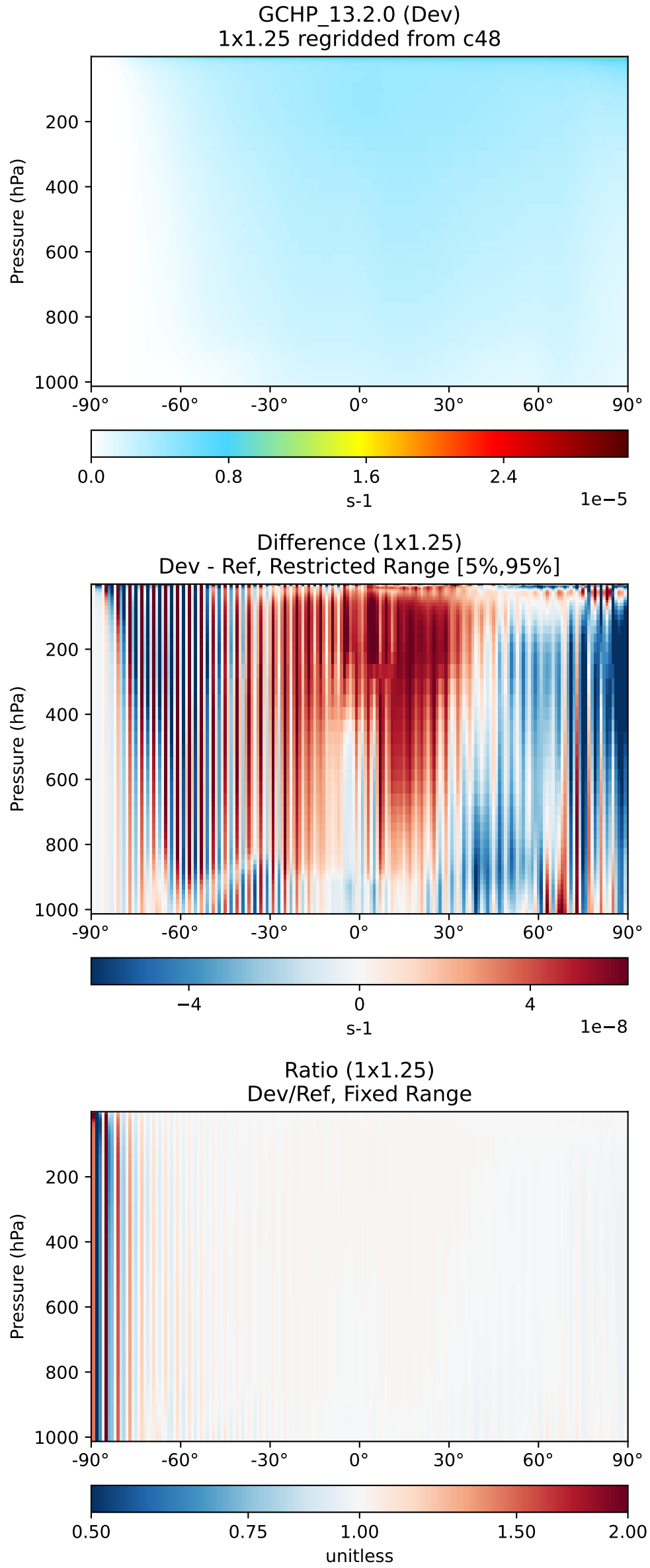
Jval_PIP, Zonal Mean (Apr2019)



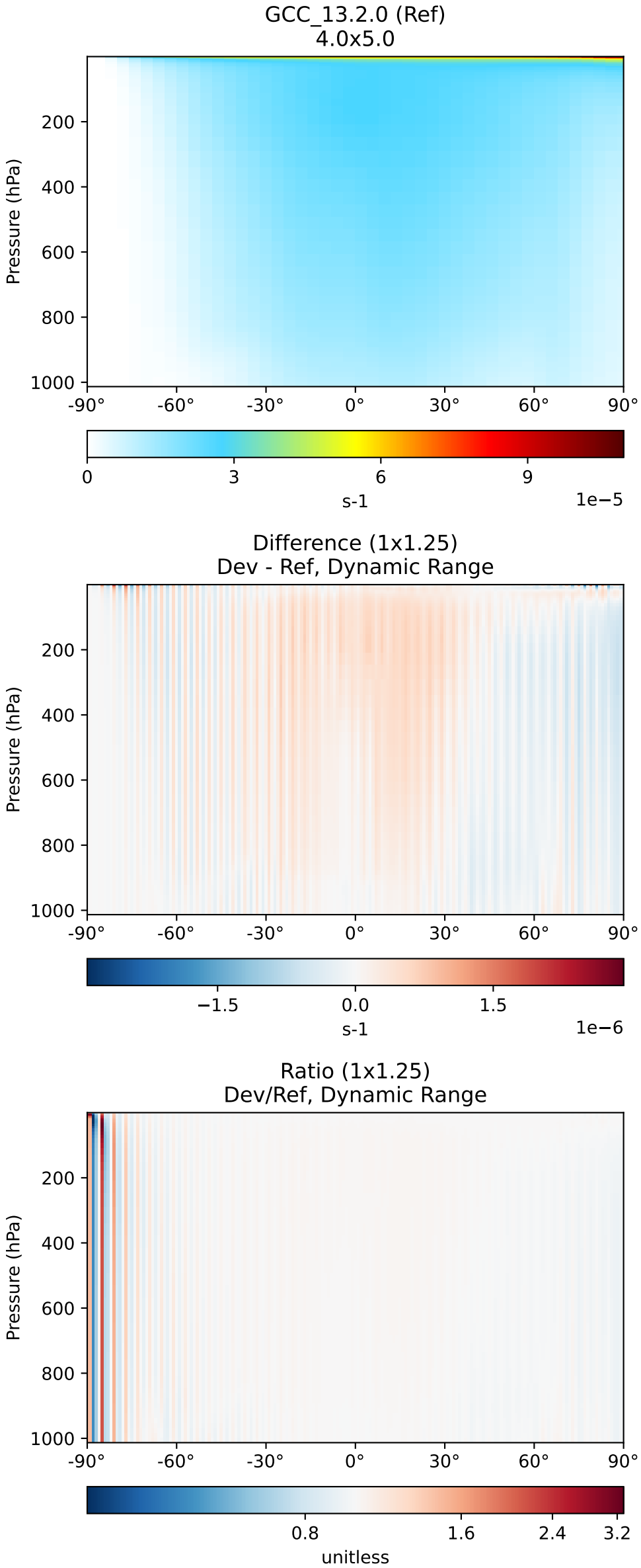


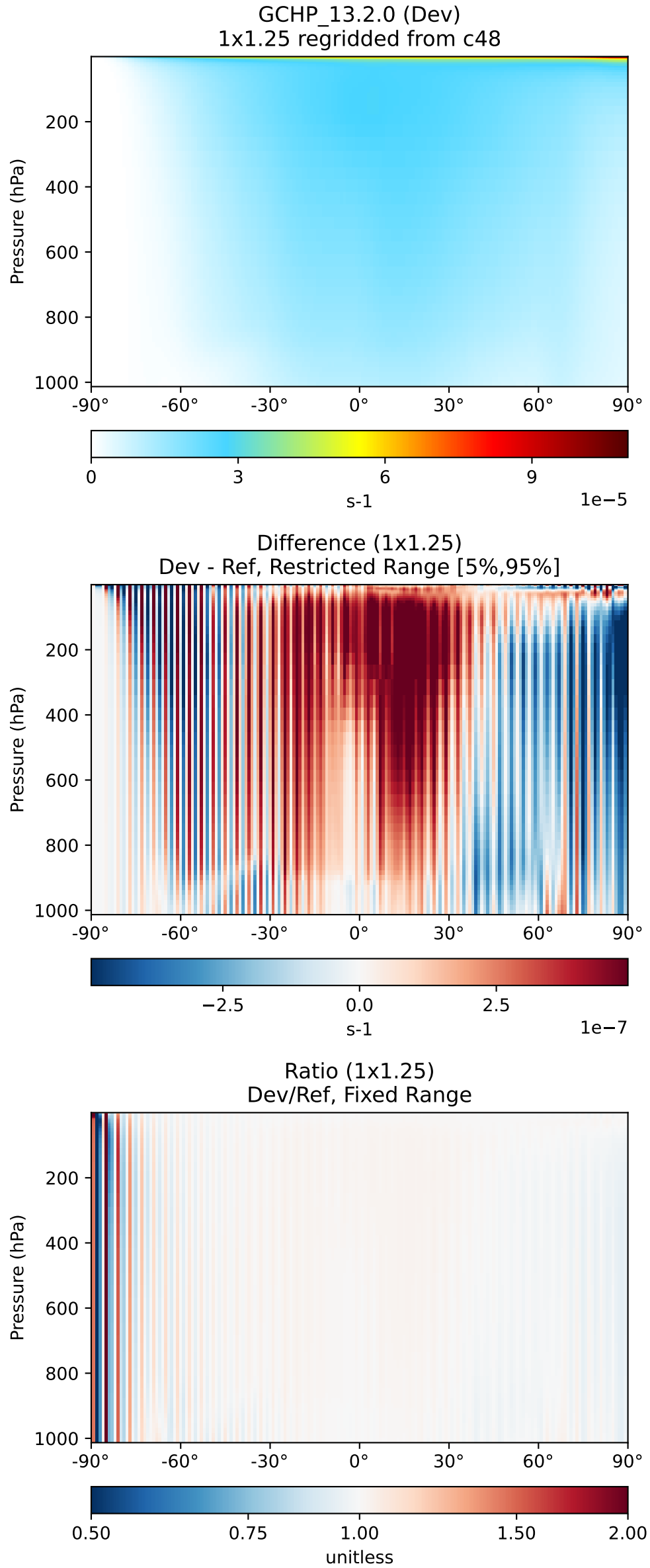
Jval_PP, Zonal Mean (Apr2019)



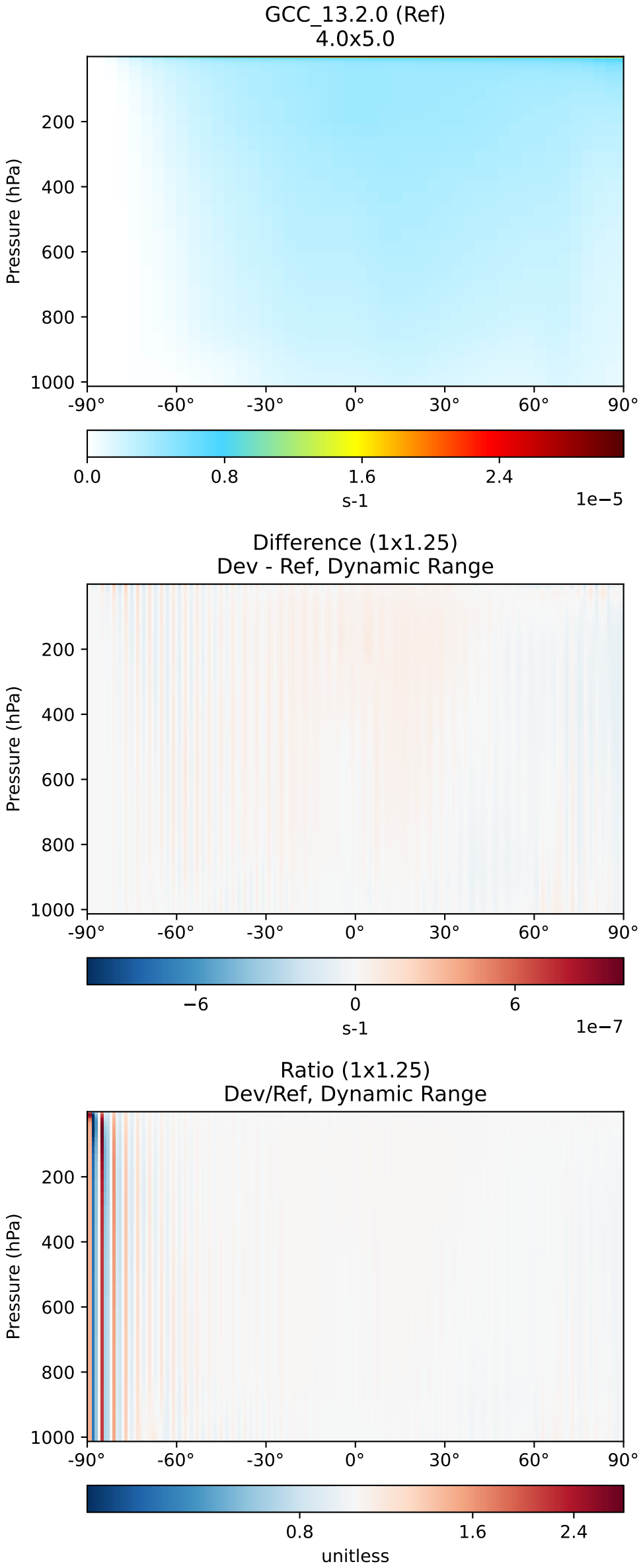


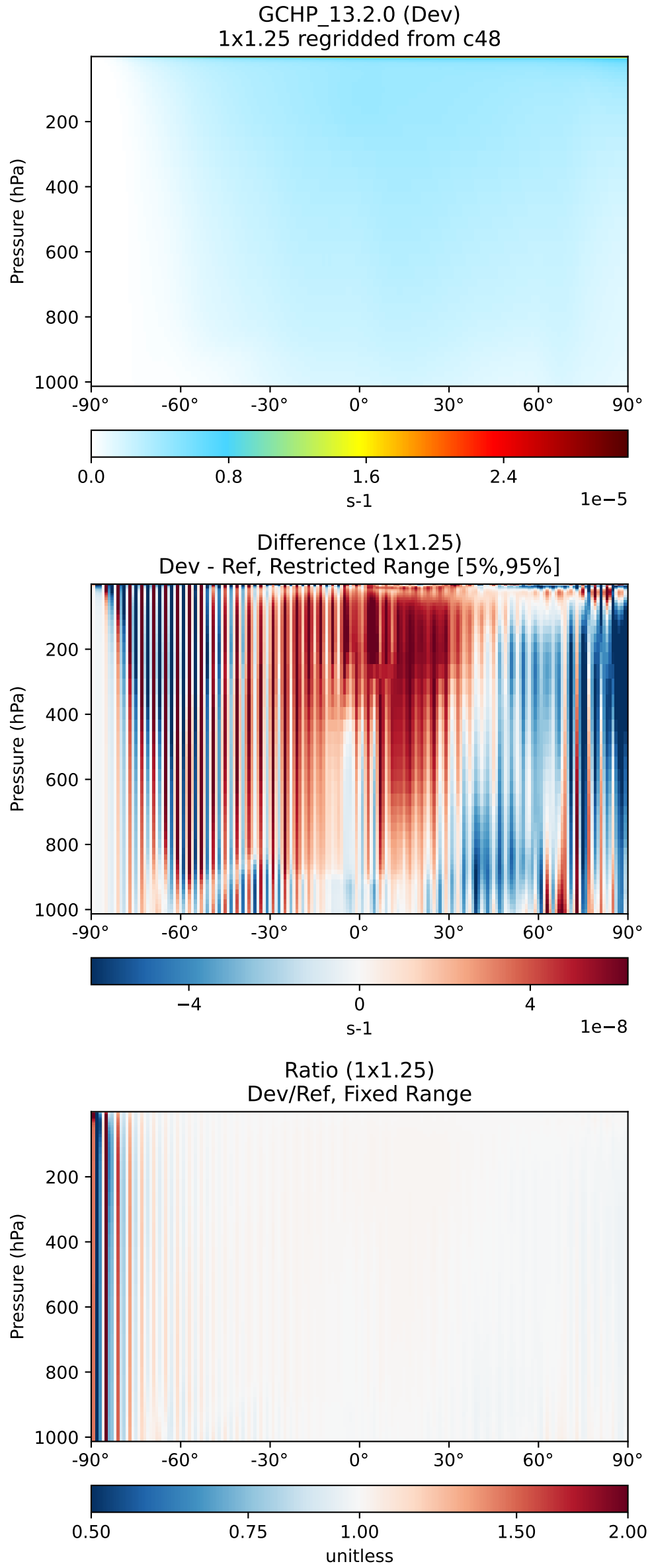
Jval_PROPNN, Zonal Mean (Apr2019)



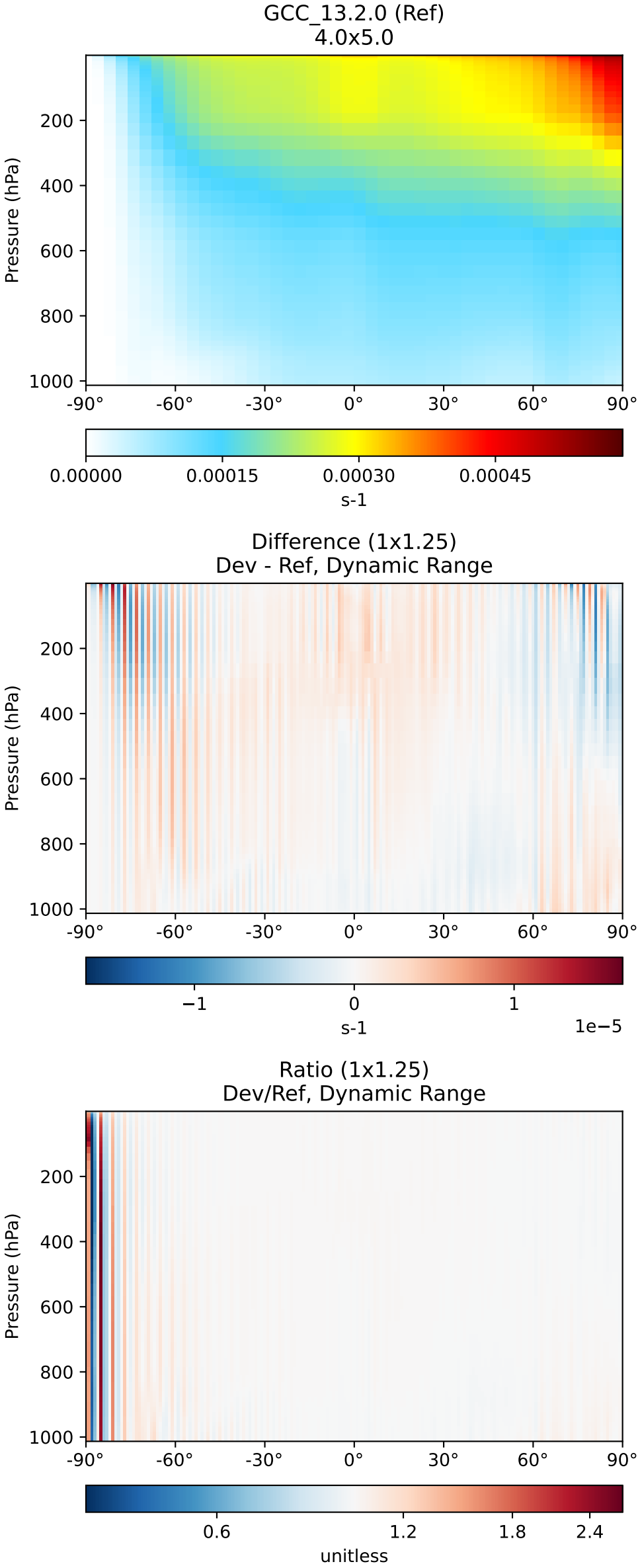


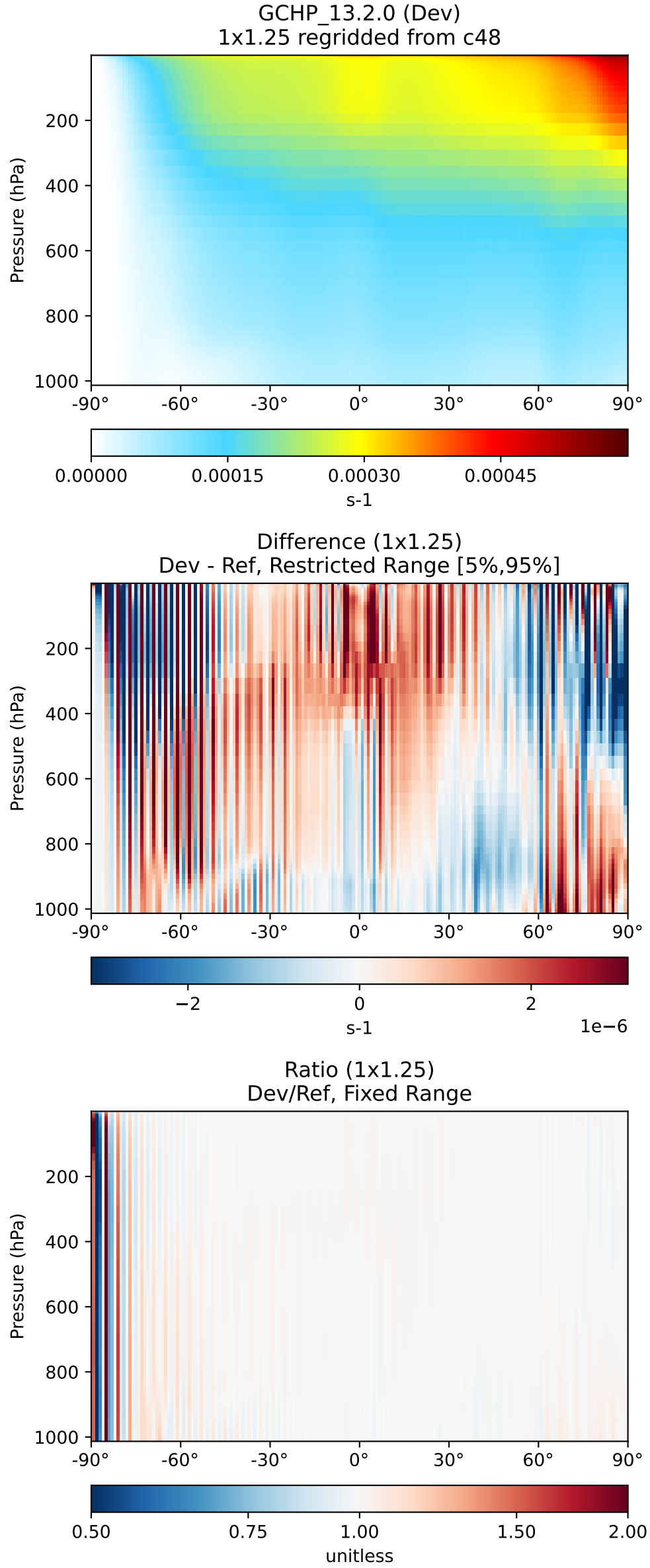
Jval_PRPN, Zonal Mean (Apr2019)



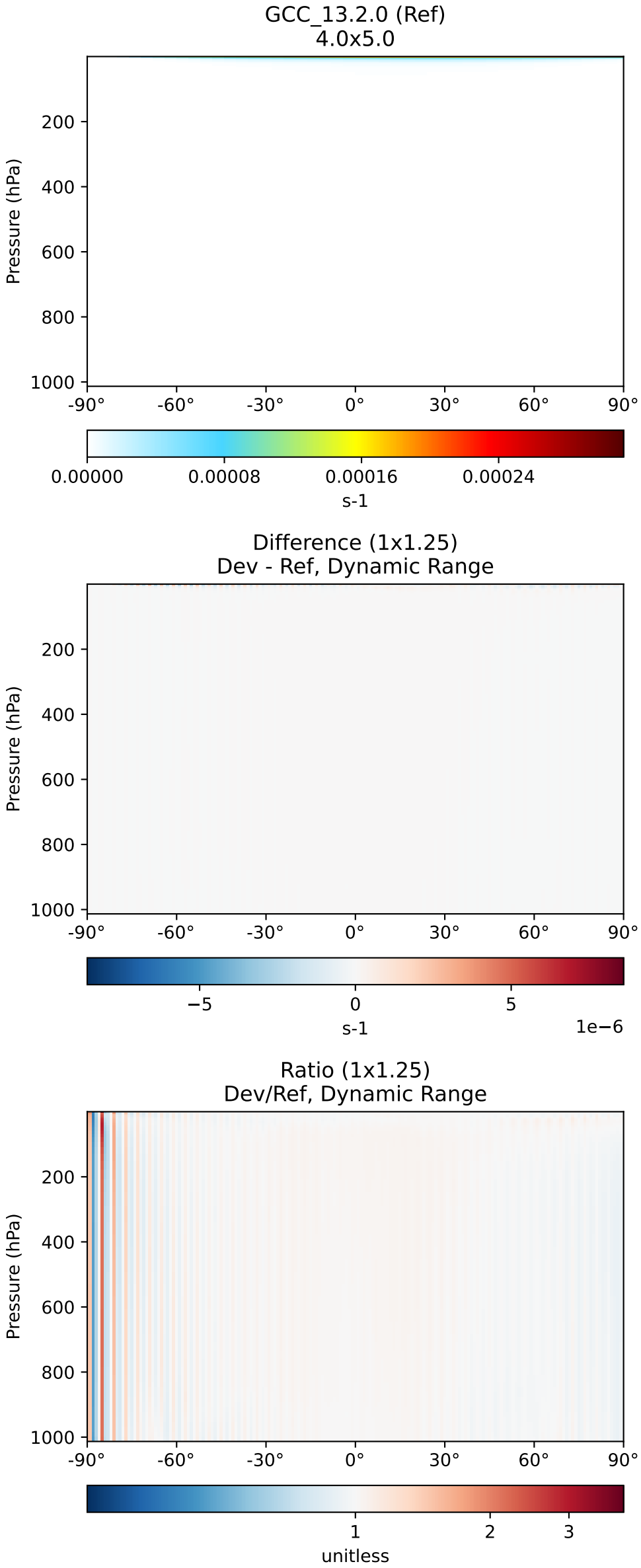


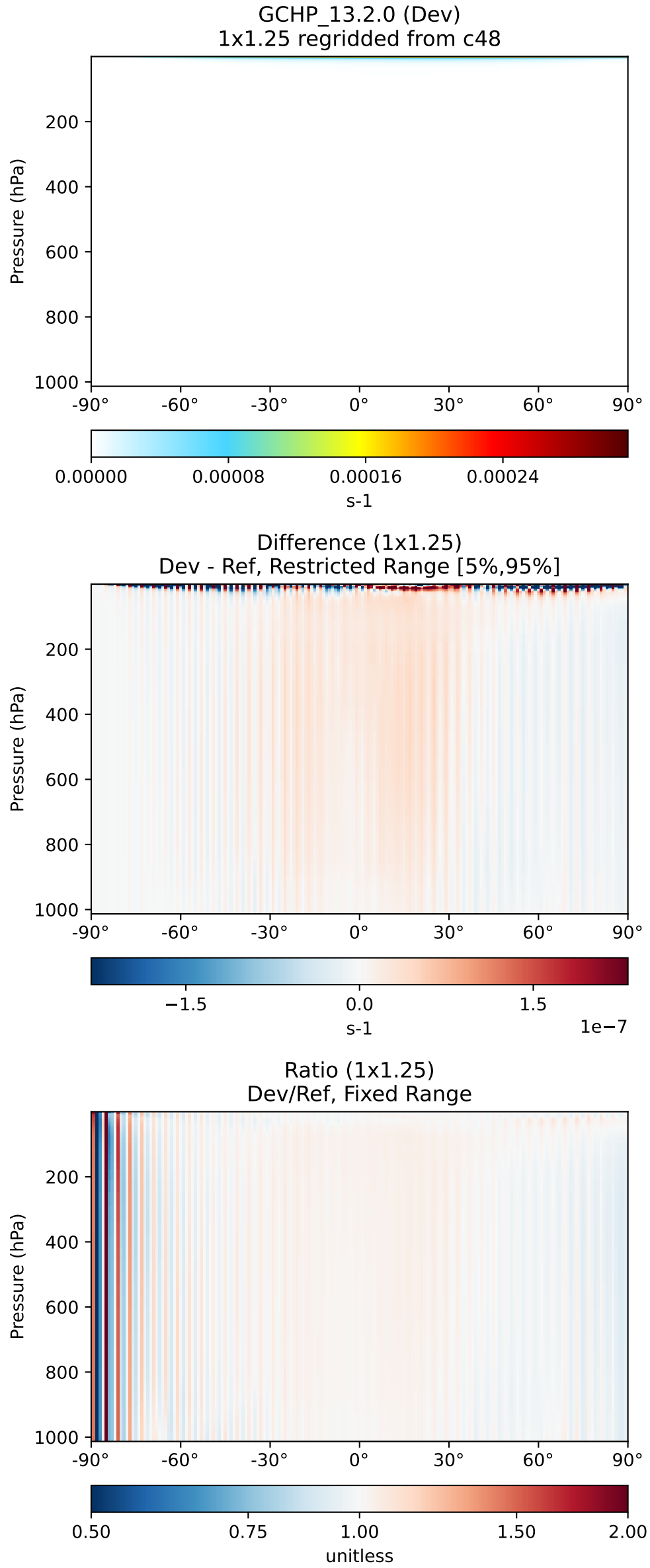
Jval_PYAC, Zonal Mean (Apr2019)



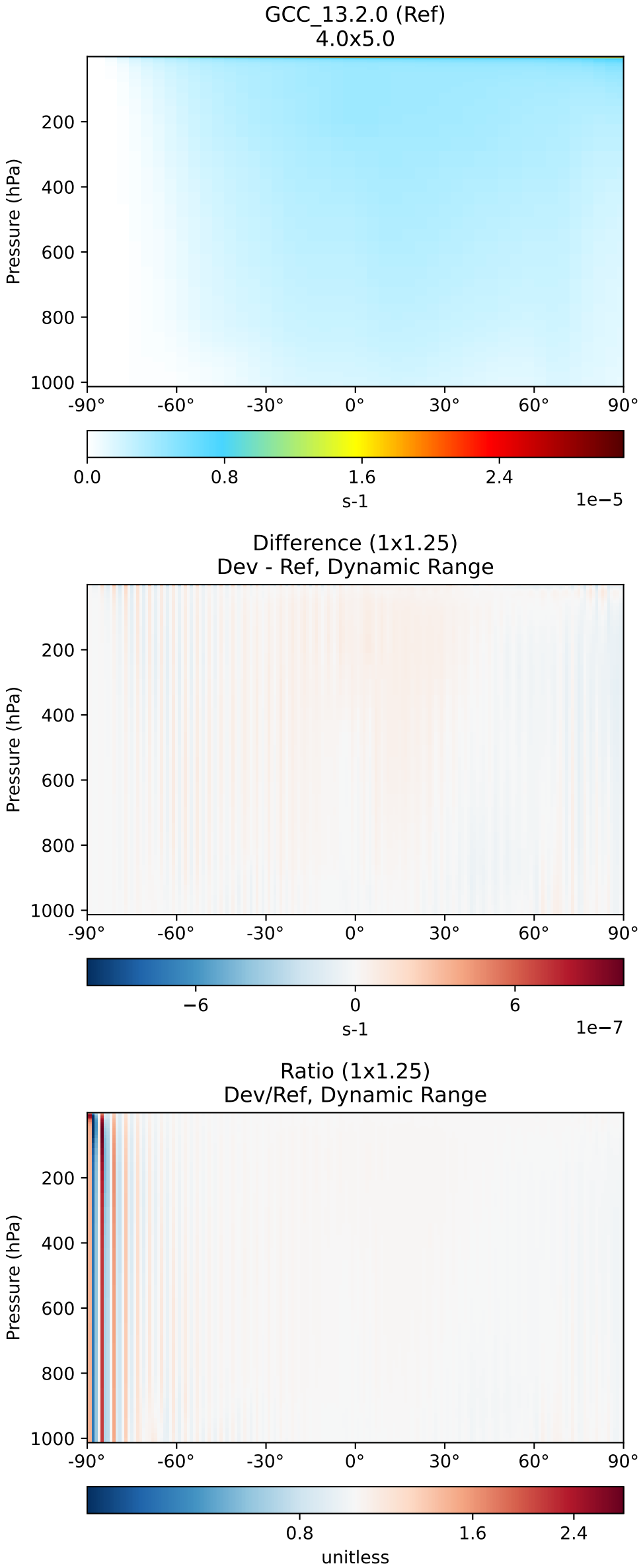


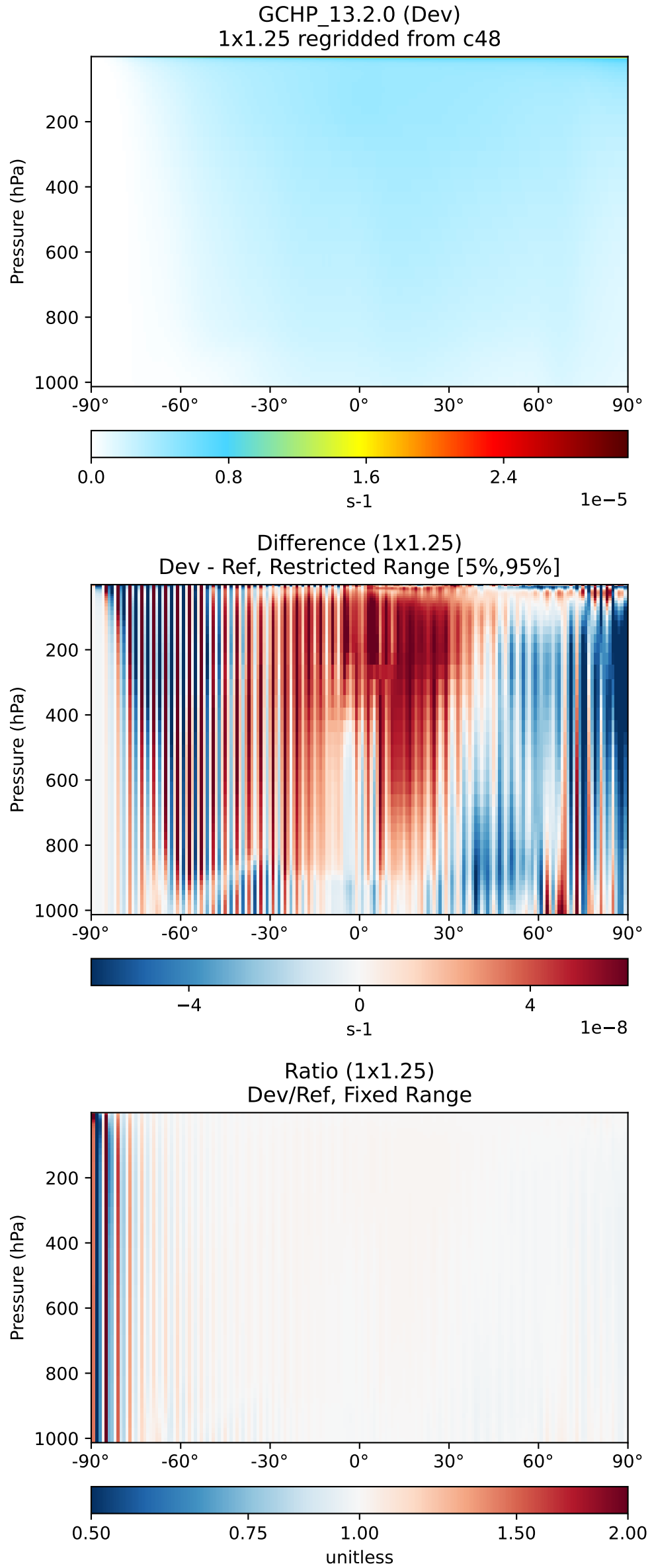
Jval_R4N2, Zonal Mean (Apr2019)



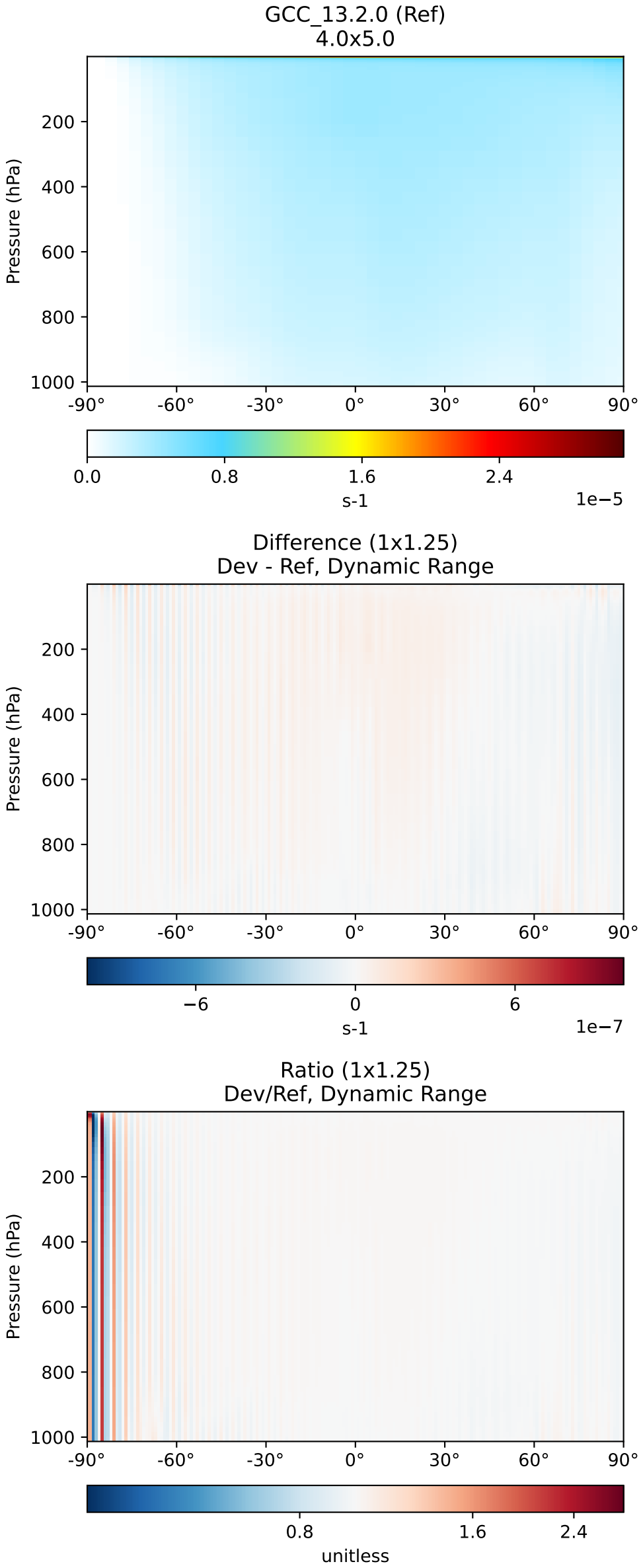


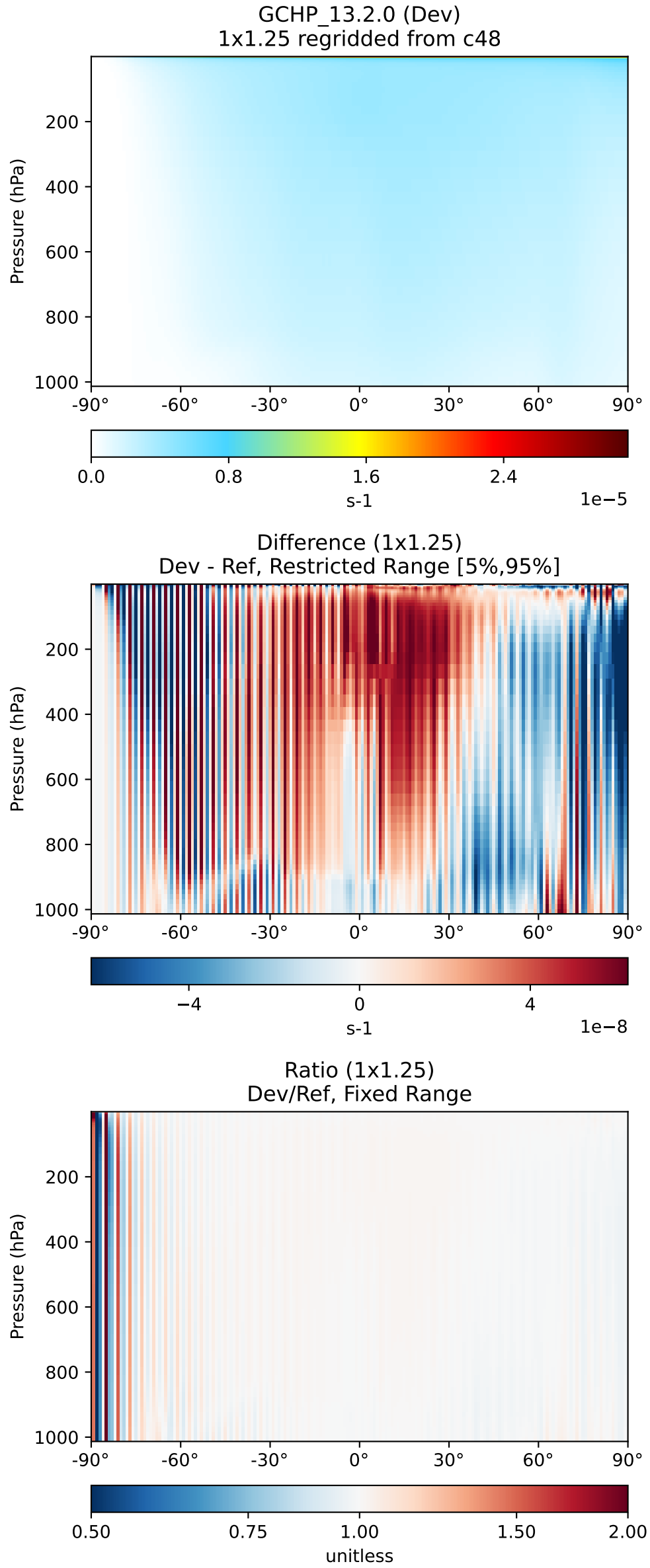
Jval_R4P, Zonal Mean (Apr2019)



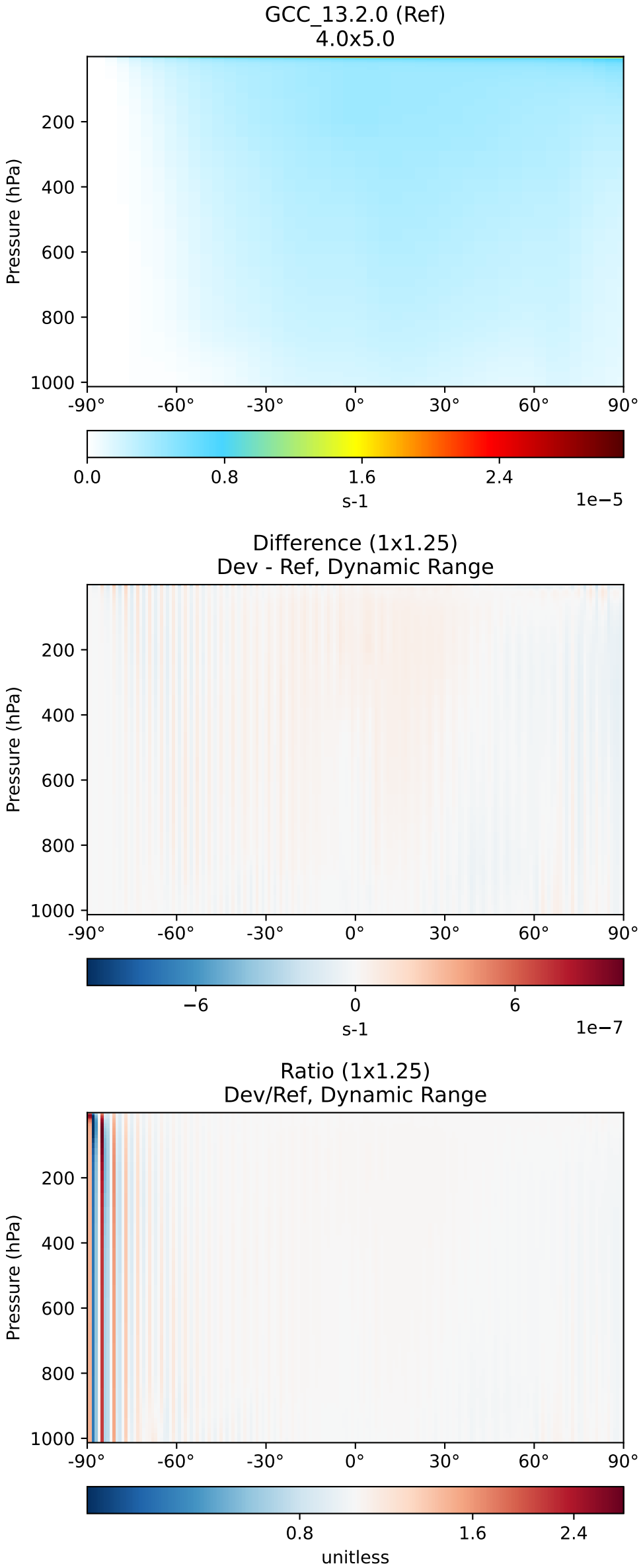


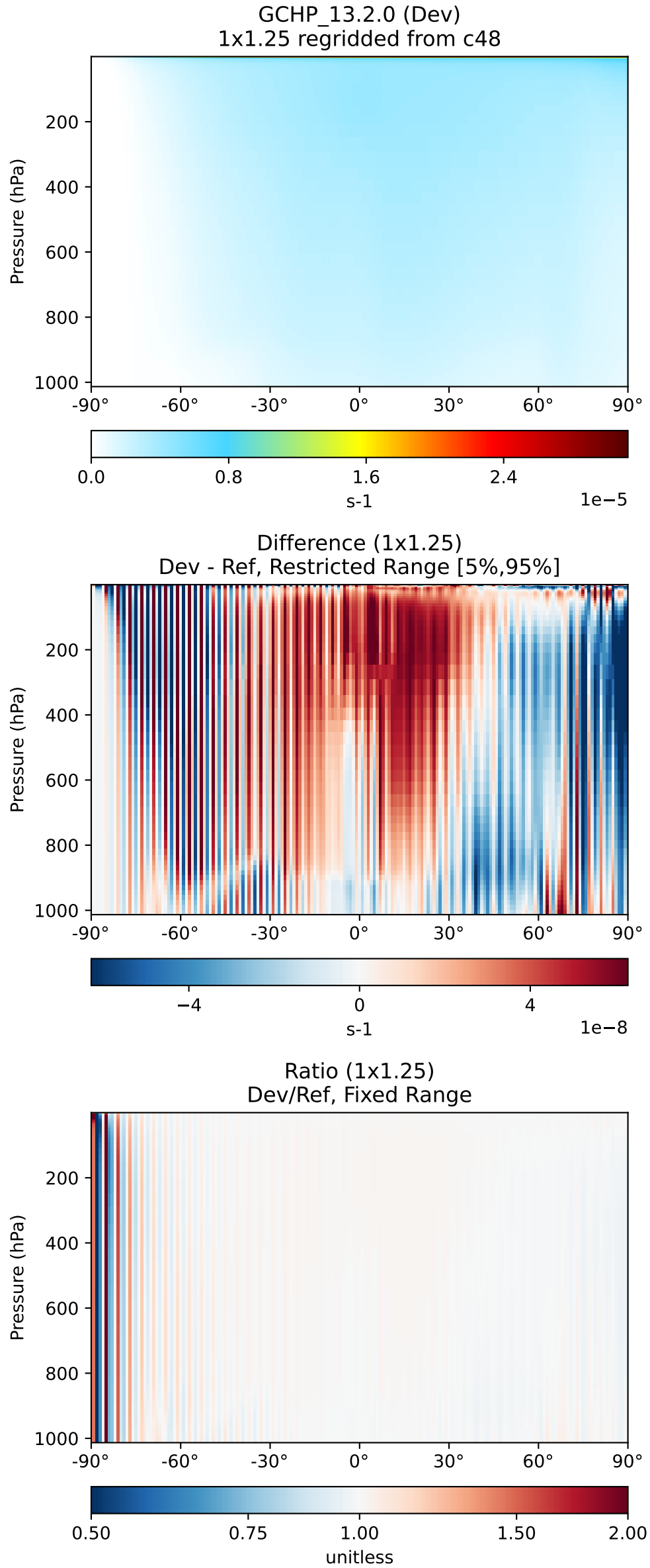
Jval_RA3P, Zonal Mean (Apr2019)



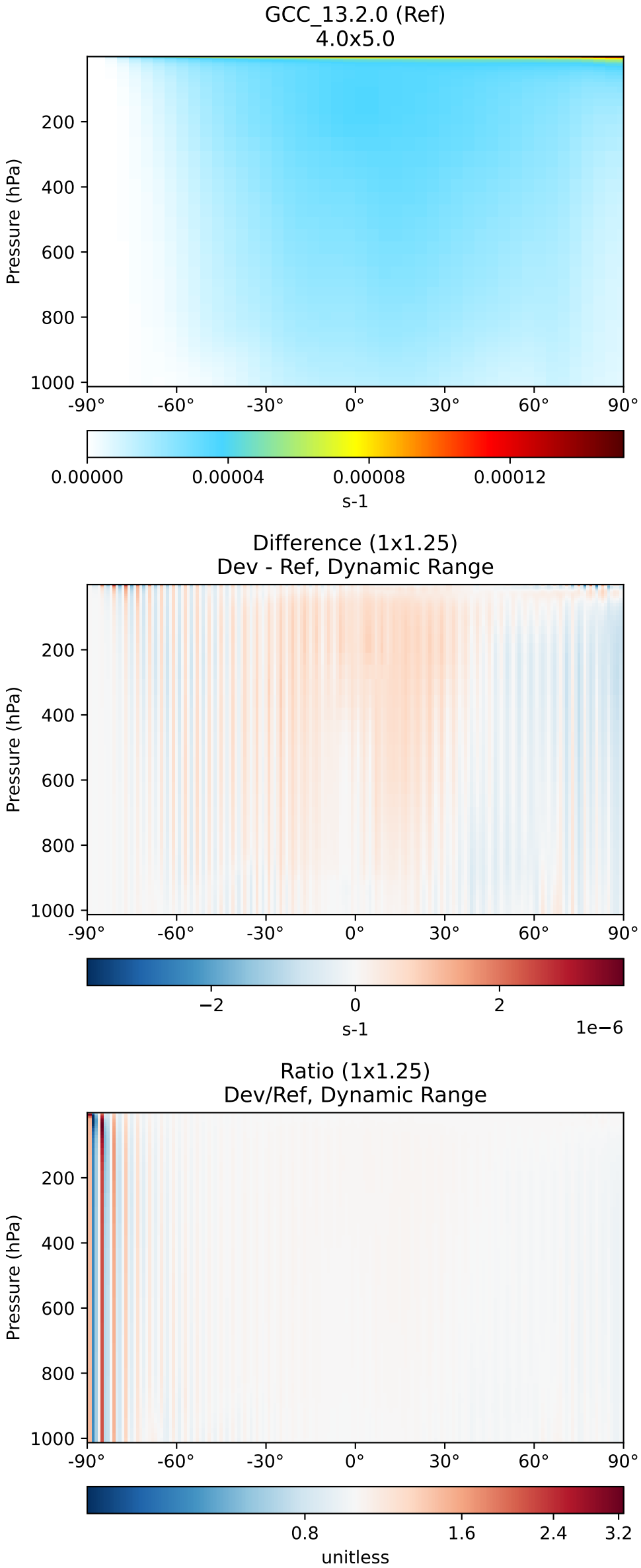


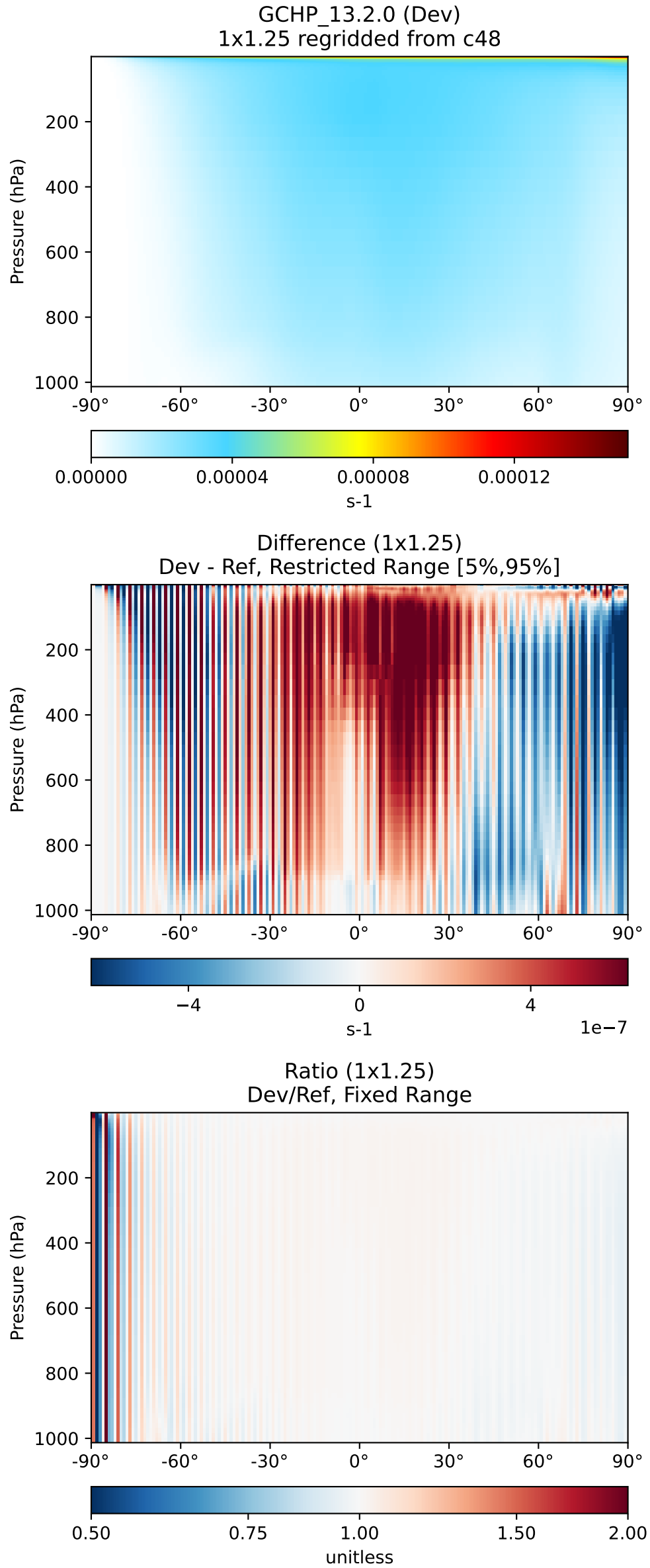
Jval_RB3P, Zonal Mean (Apr2019)



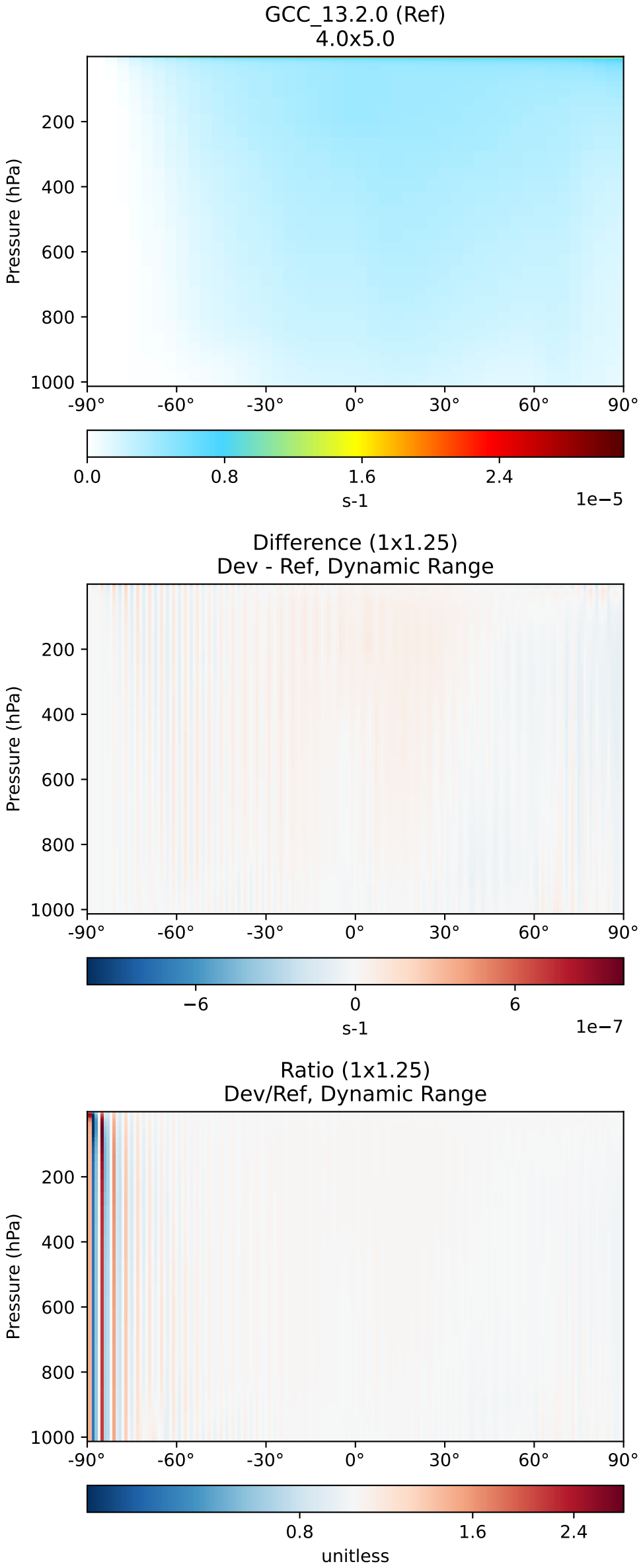


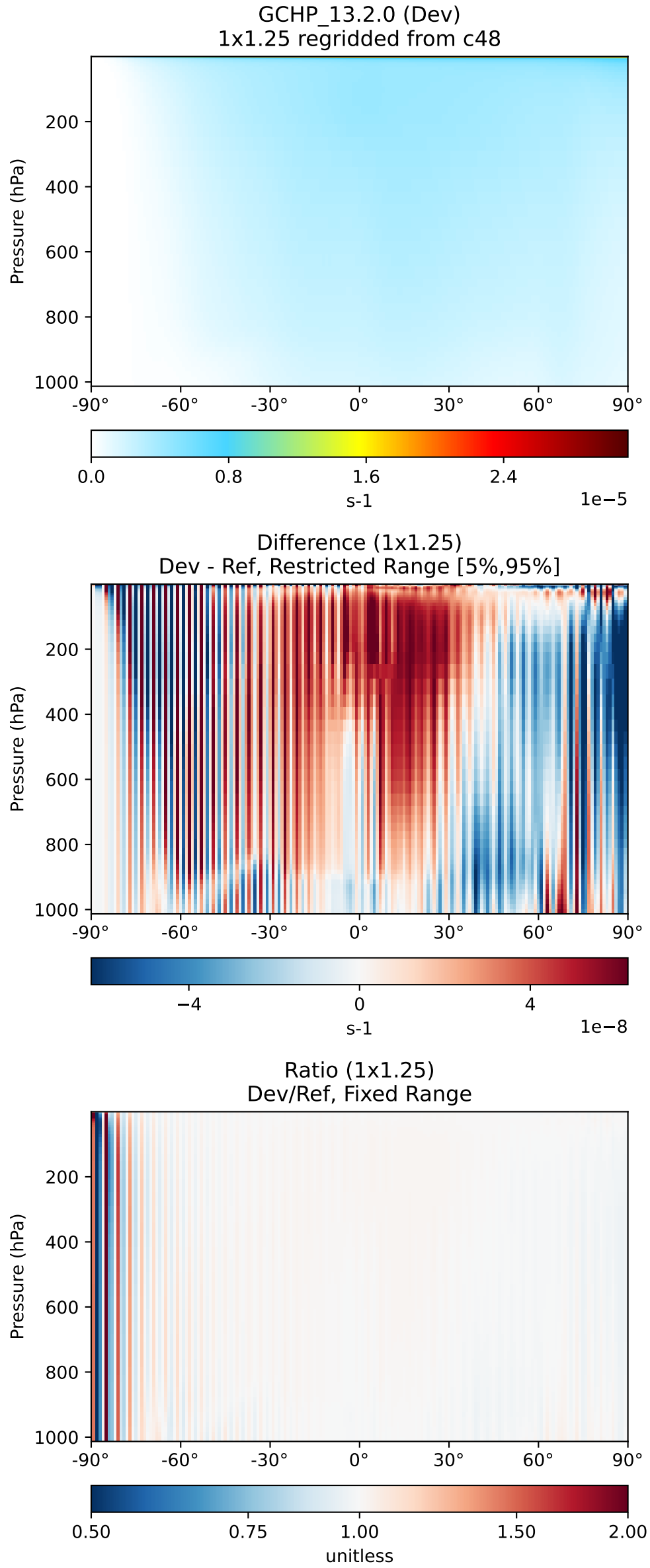
Jval_RCHO, Zonal Mean (Apr2019)



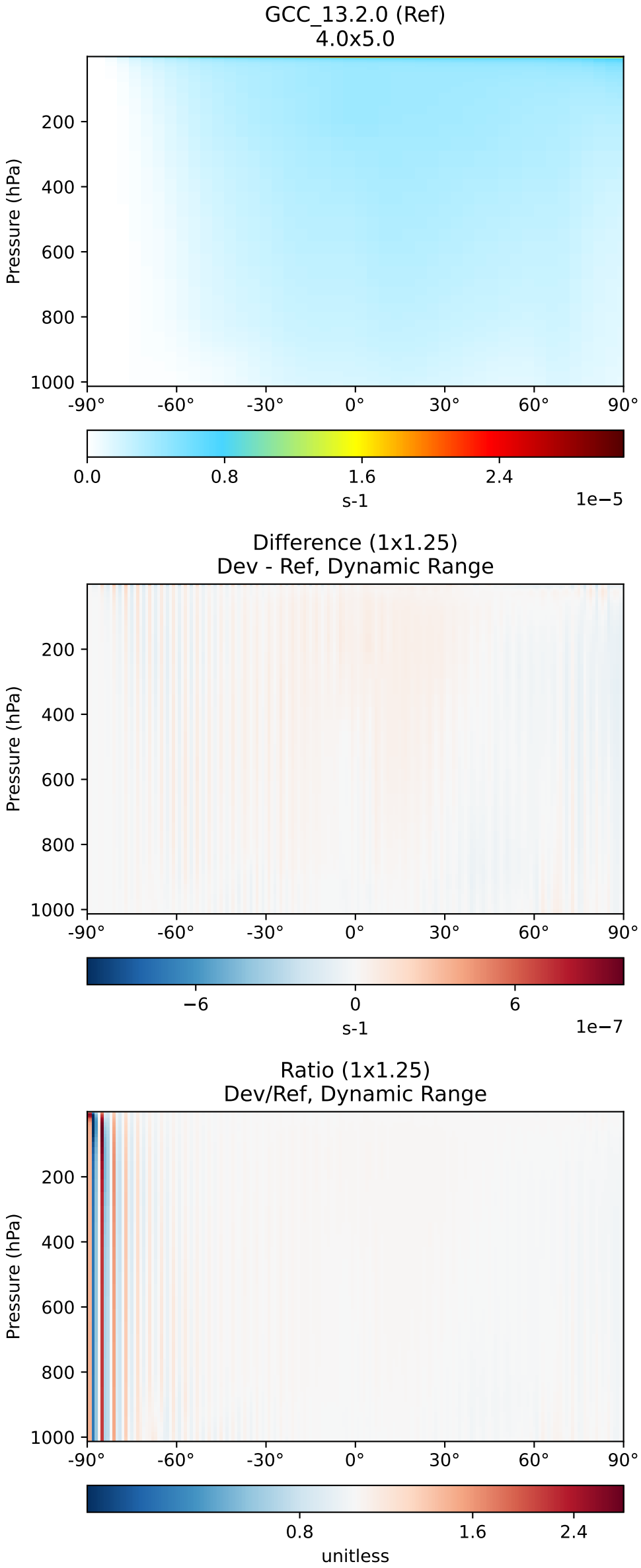


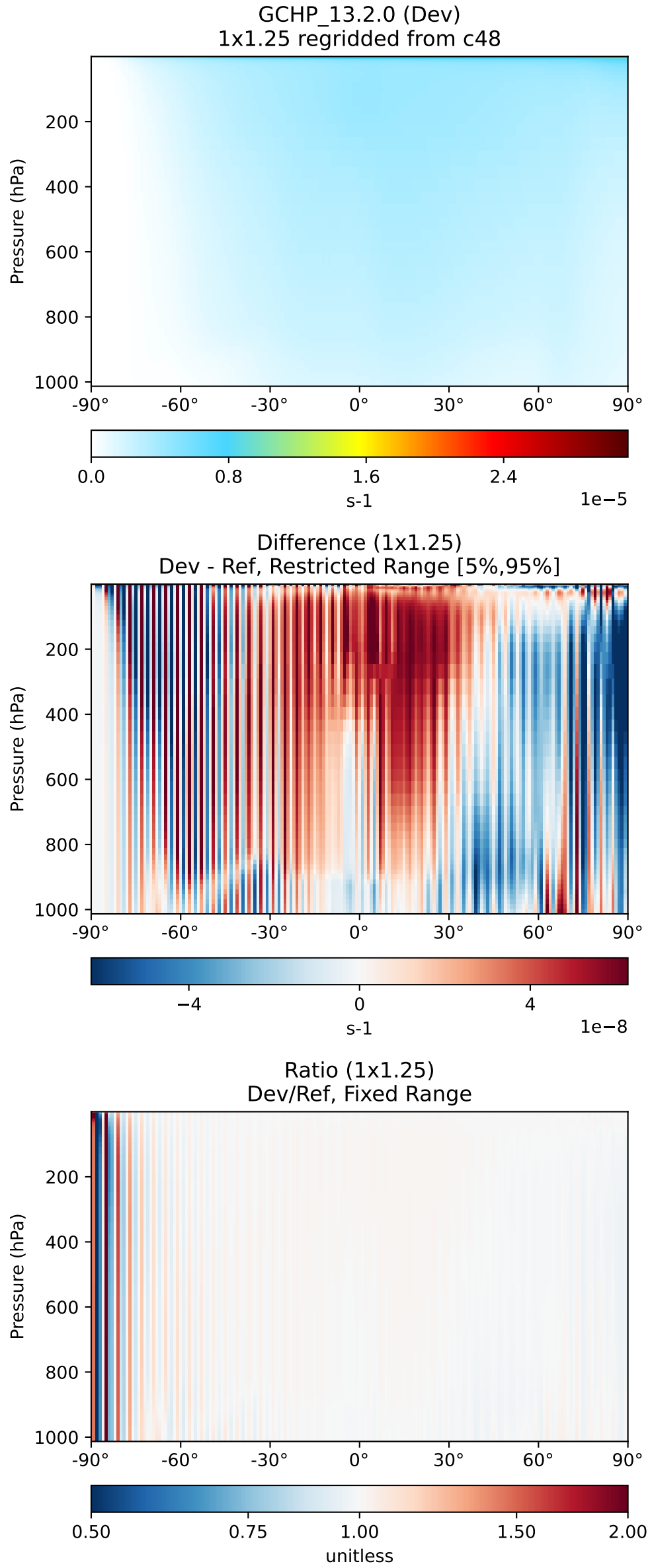
Jval_RIPA, Zonal Mean (Apr2019)



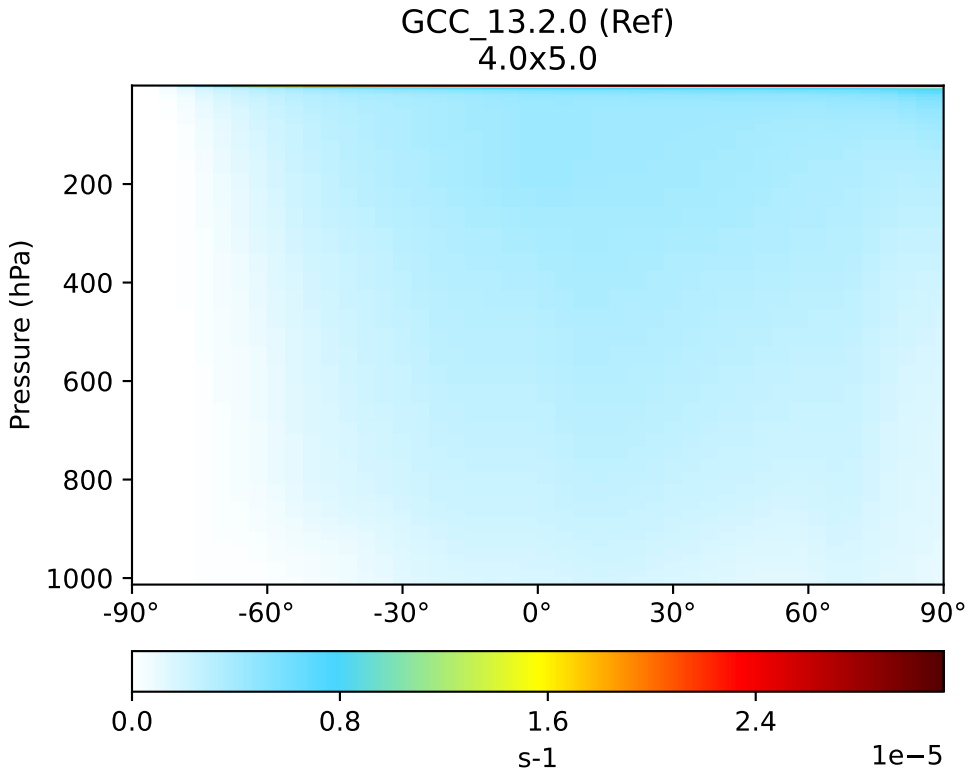


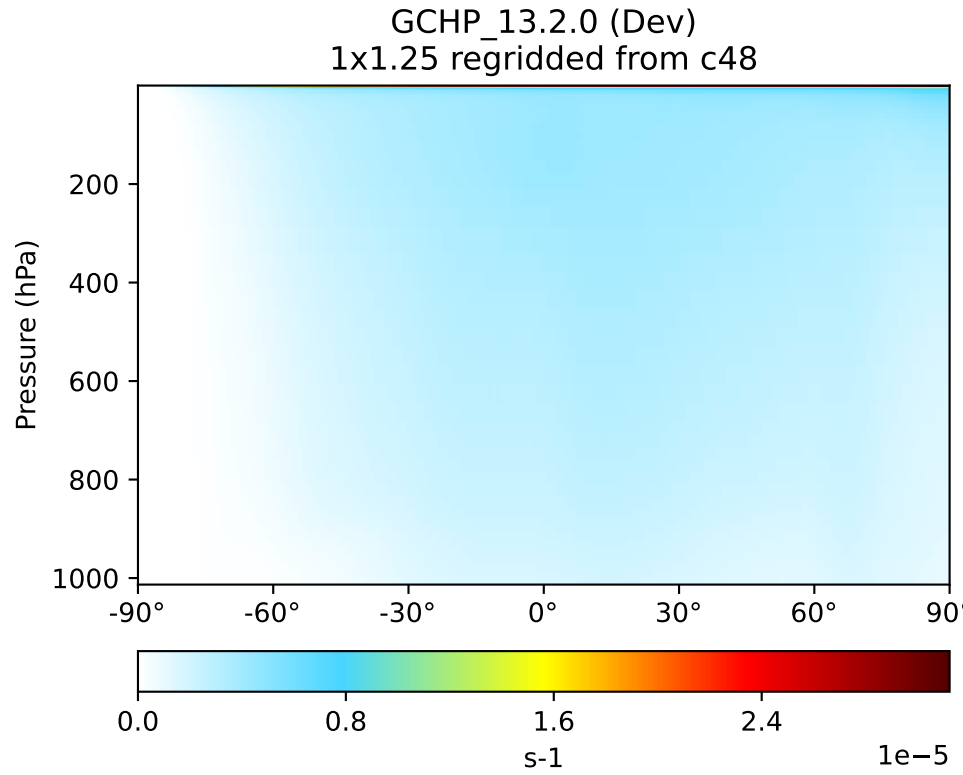
Jval_RIPB, Zonal Mean (Apr2019)

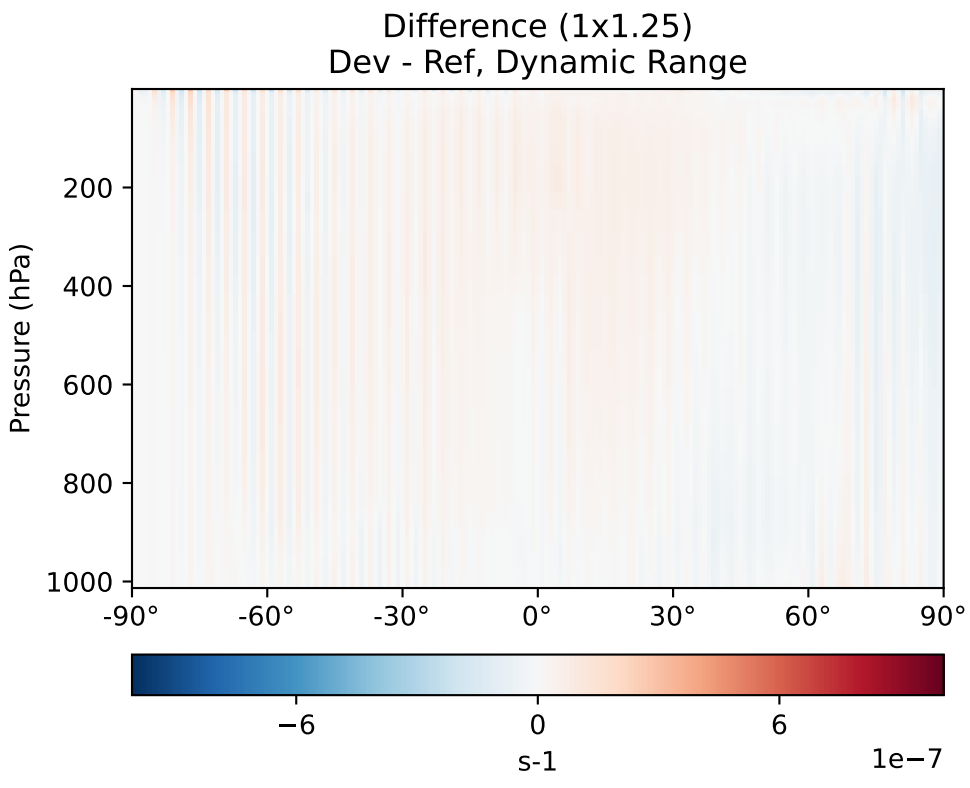


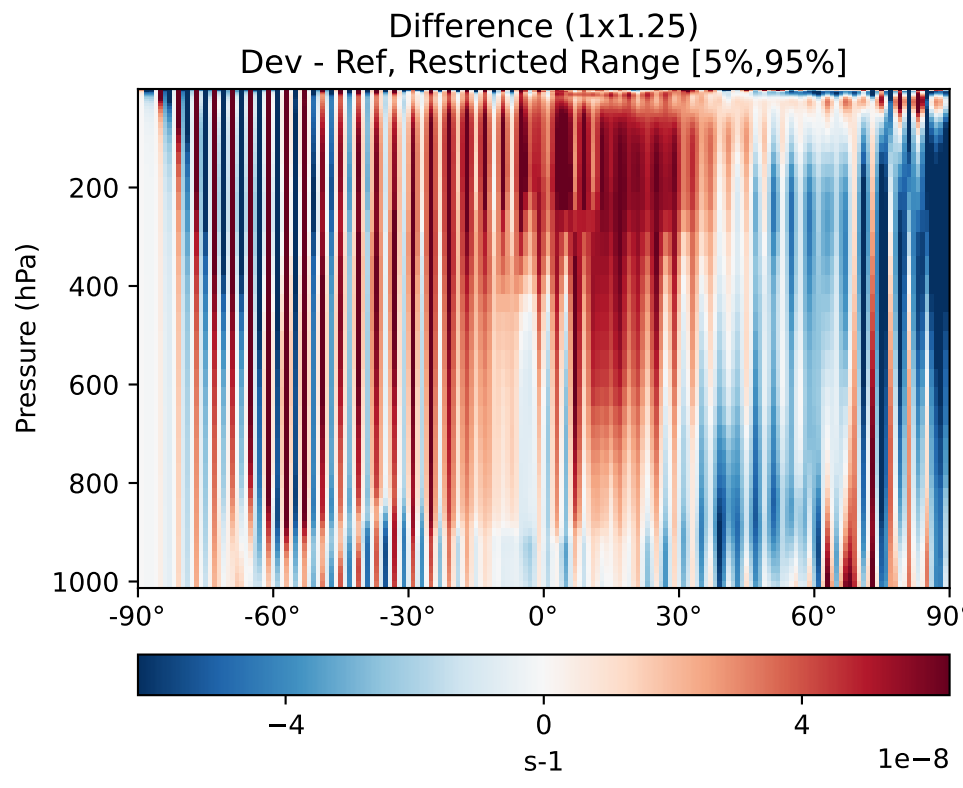


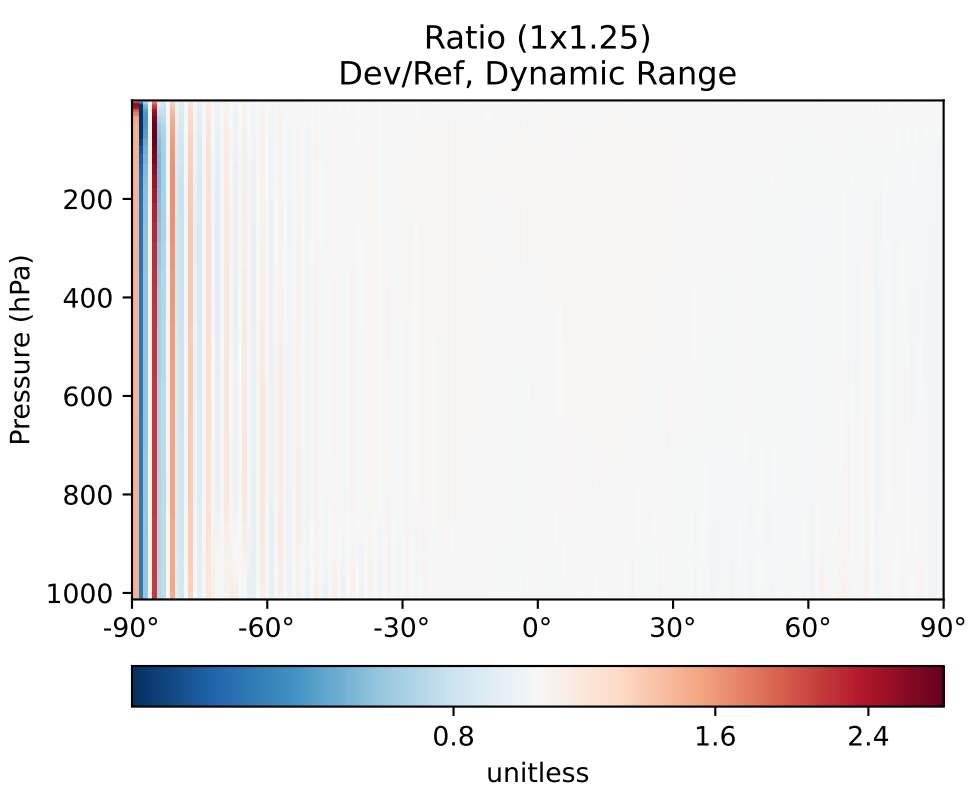
Jval_RIPC, Zonal Mean (Apr2019)

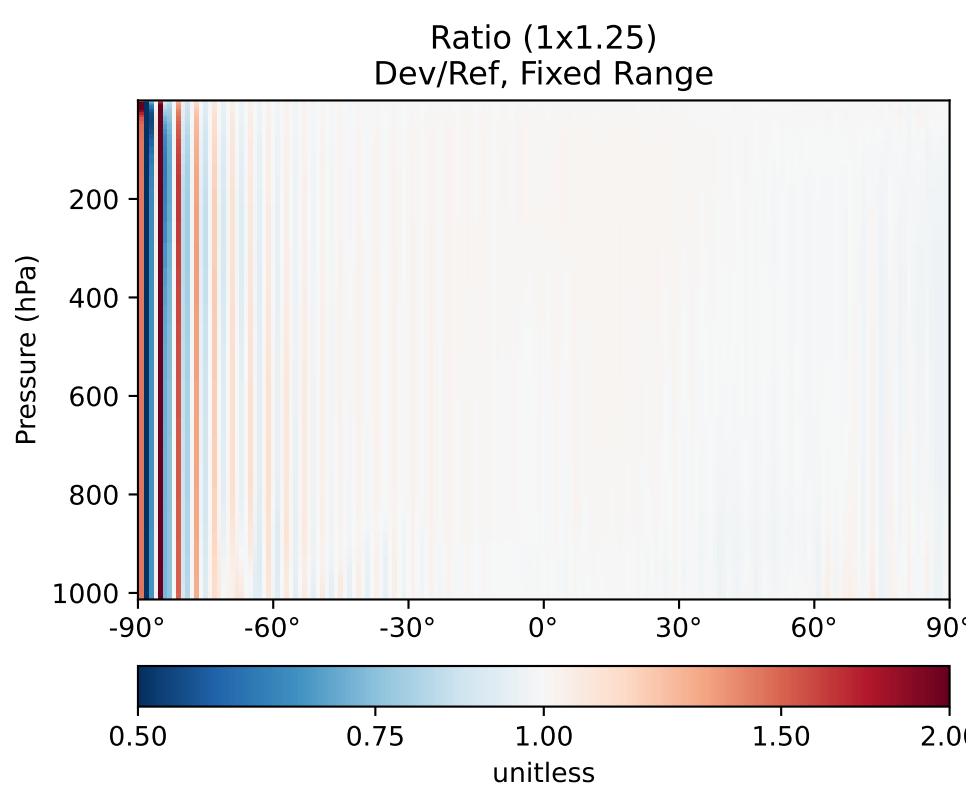




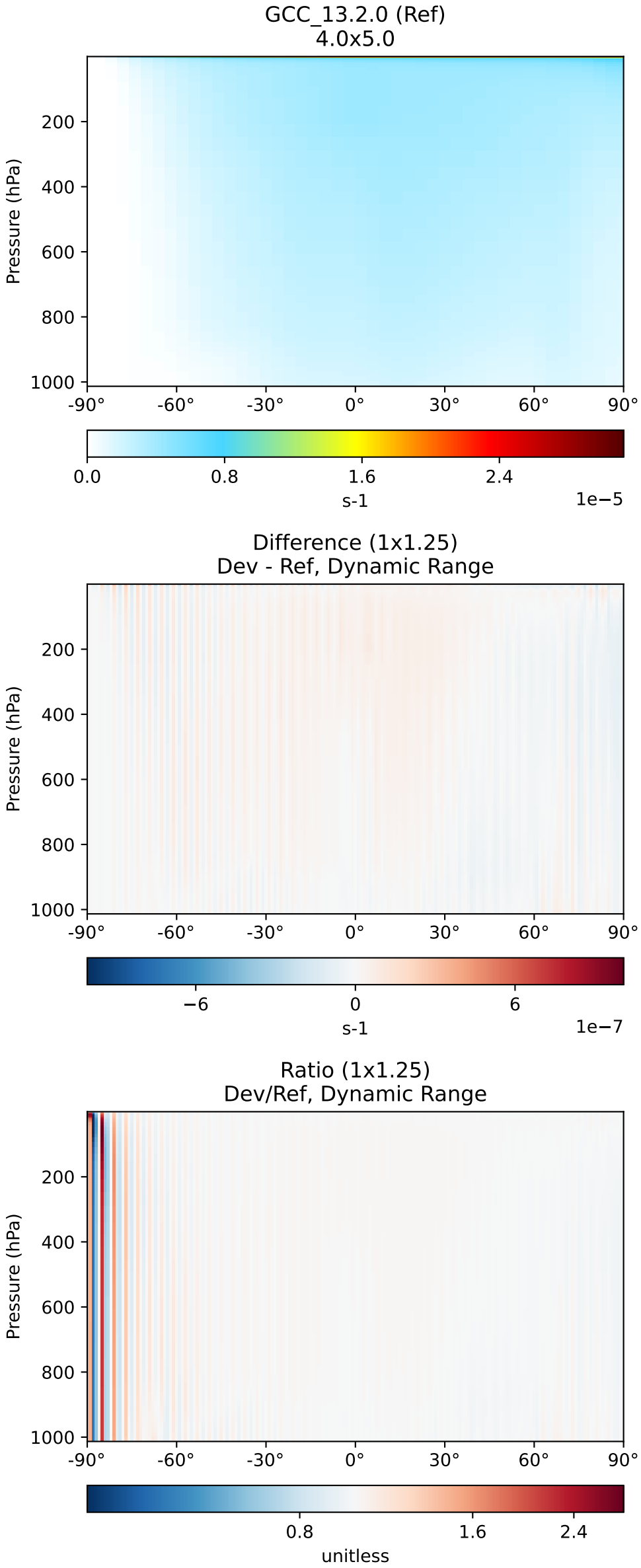


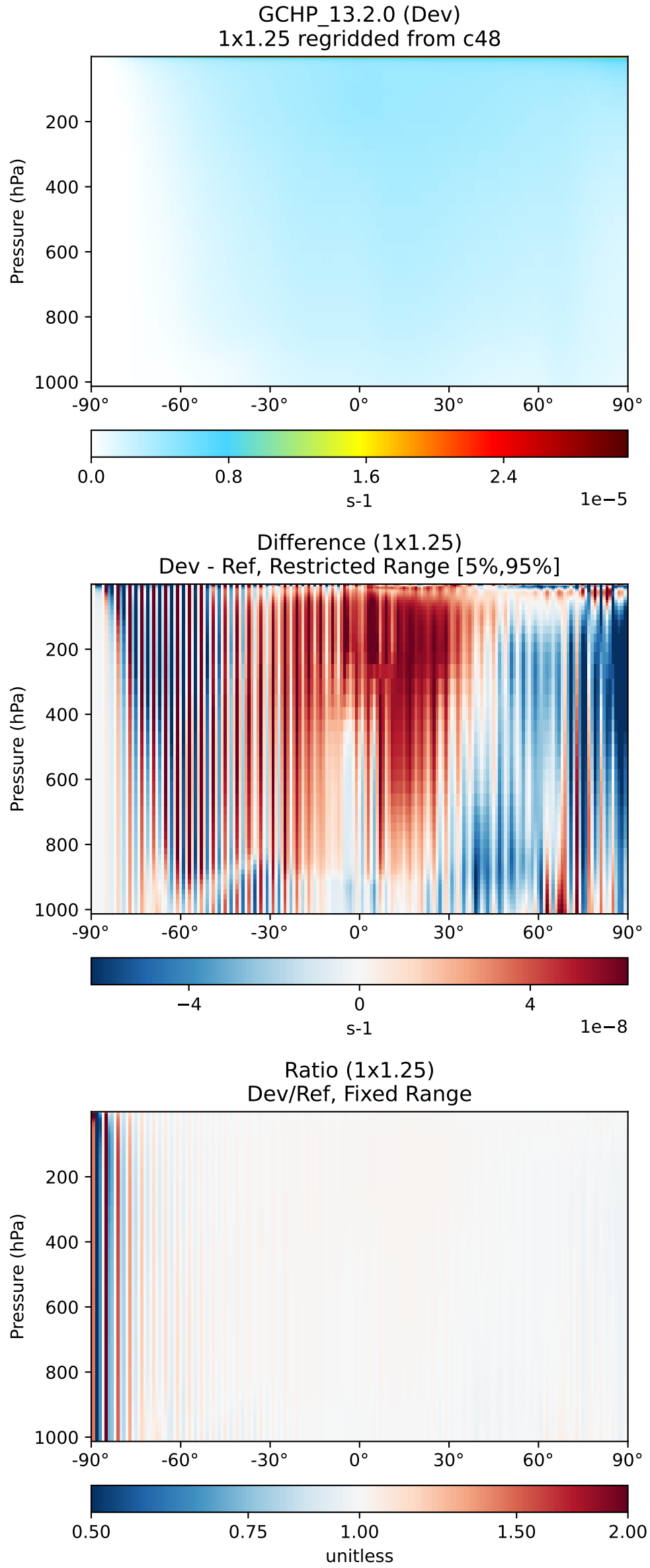




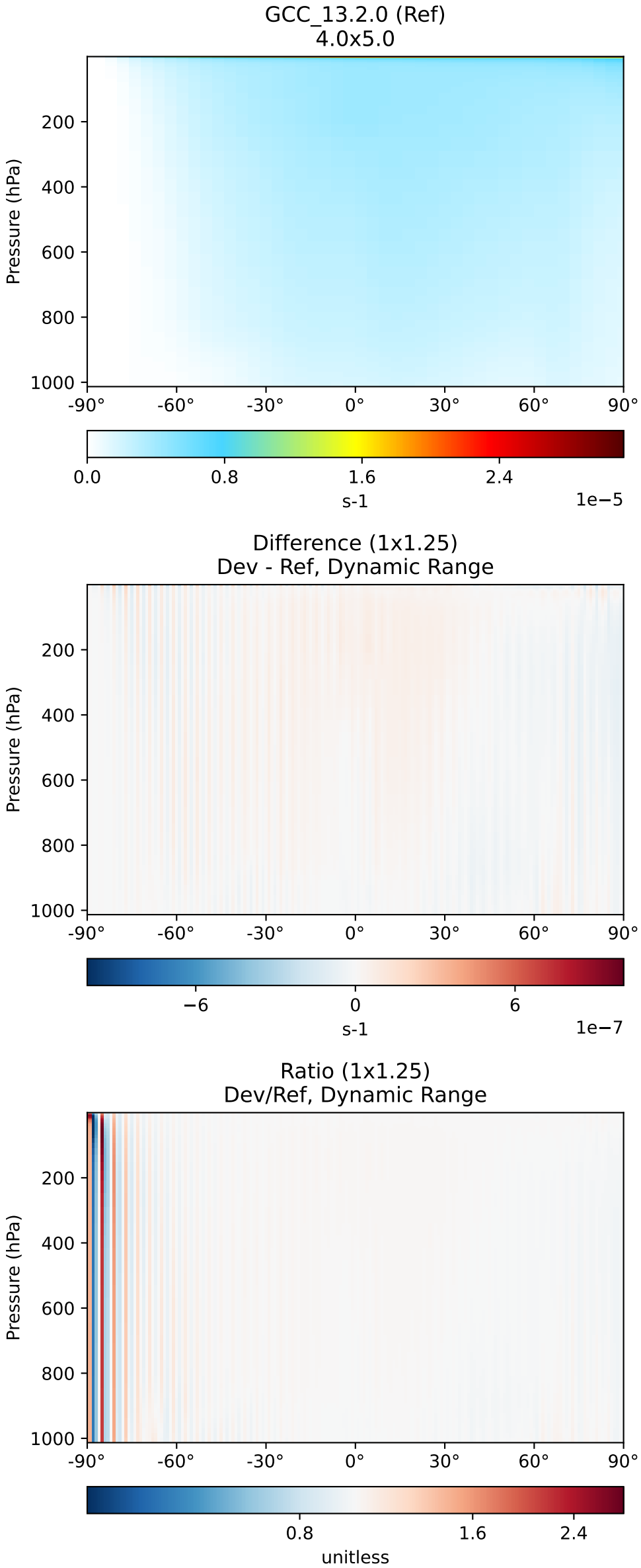


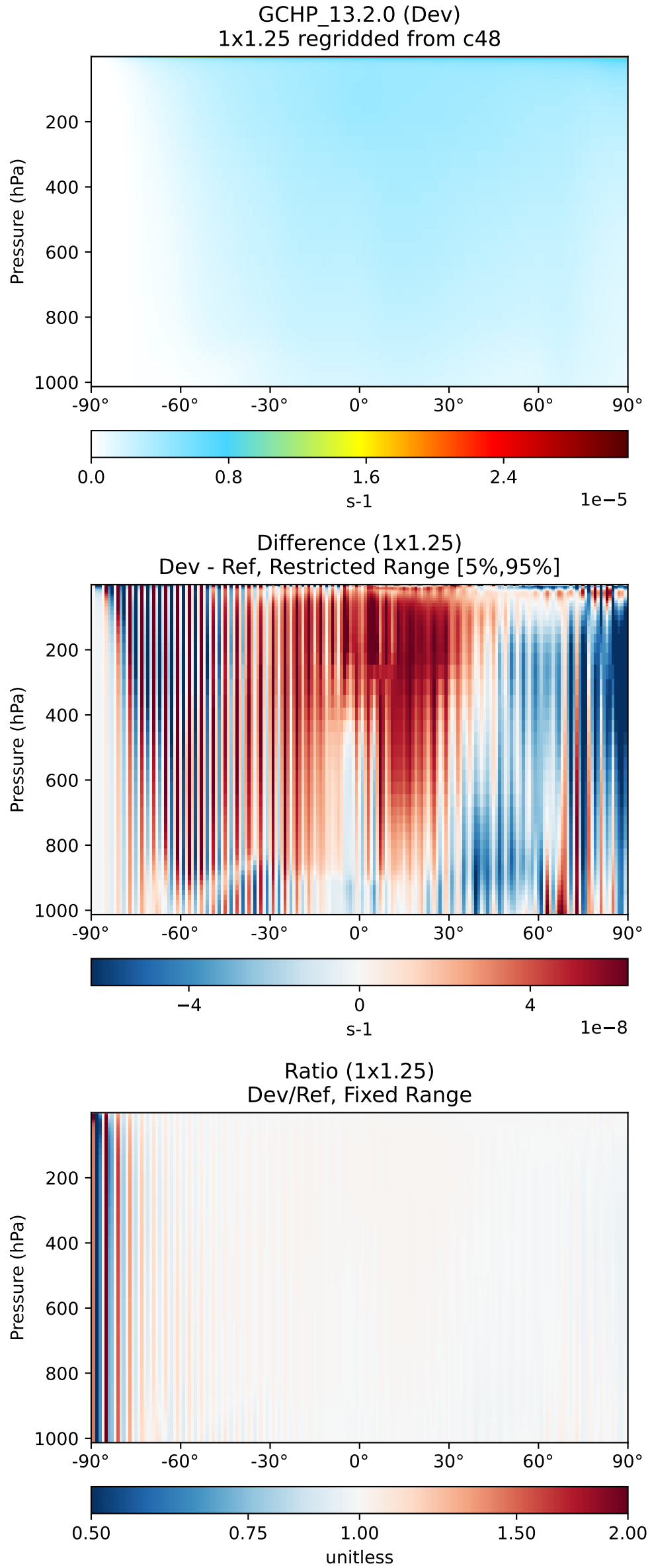
Jval_RIPD, Zonal Mean (Apr2019)





Jval_RP, Zonal Mean (Apr2019)





Jval_SO4, Zonal Mean (Apr2019)

