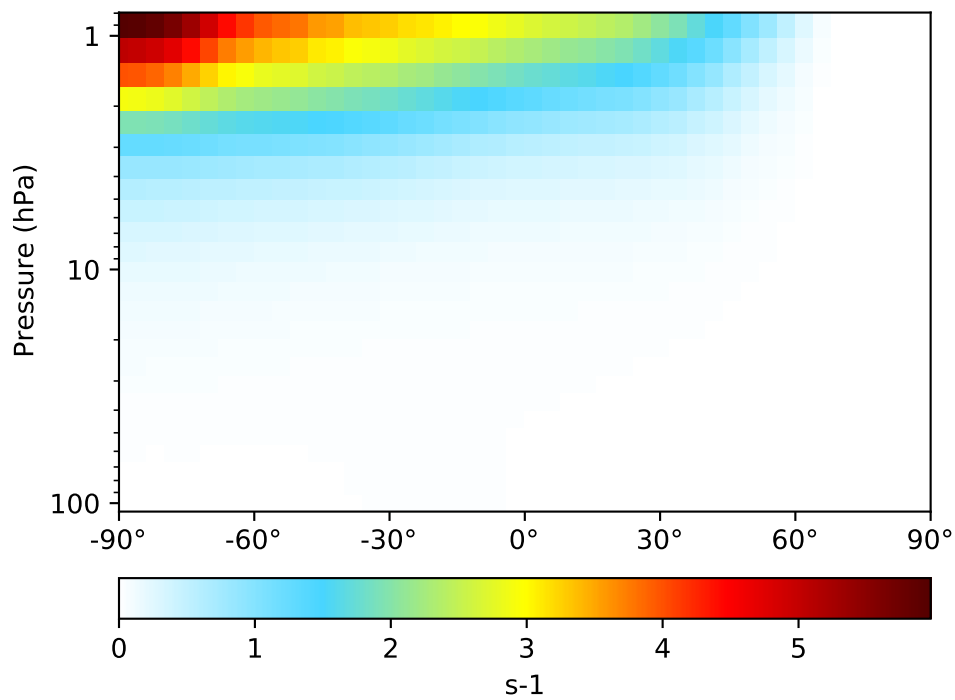
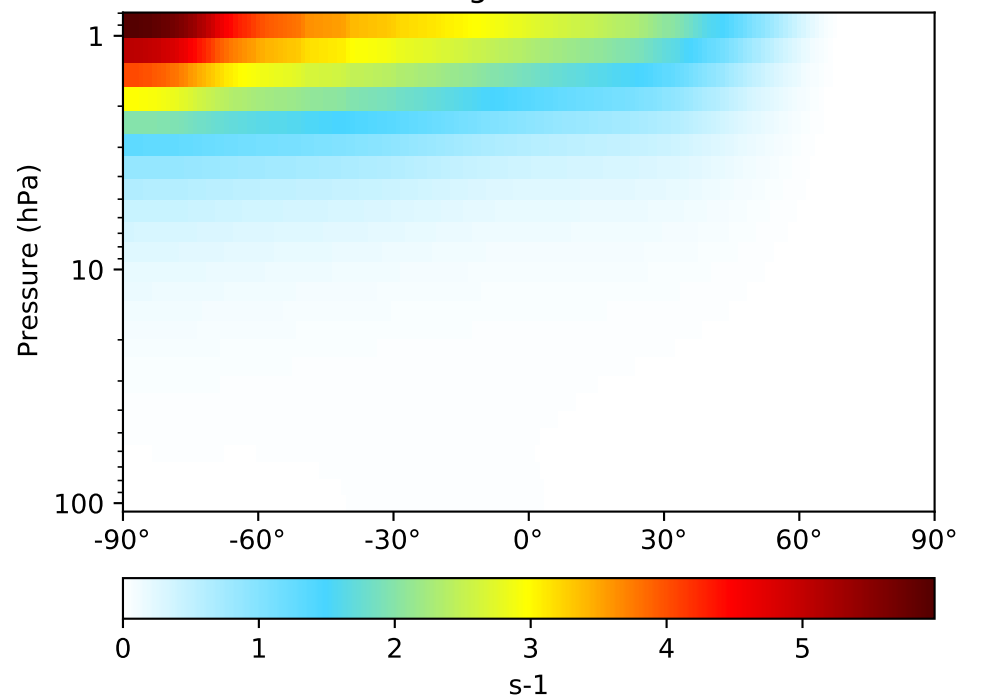


JvalO3O1D, Zonal Mean (Jan2019)

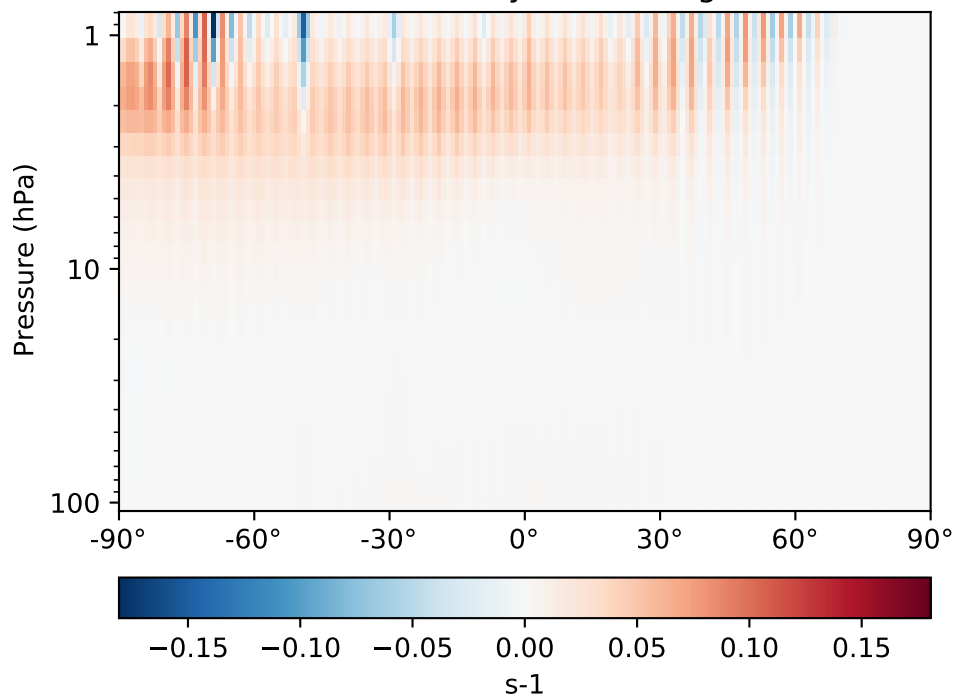
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



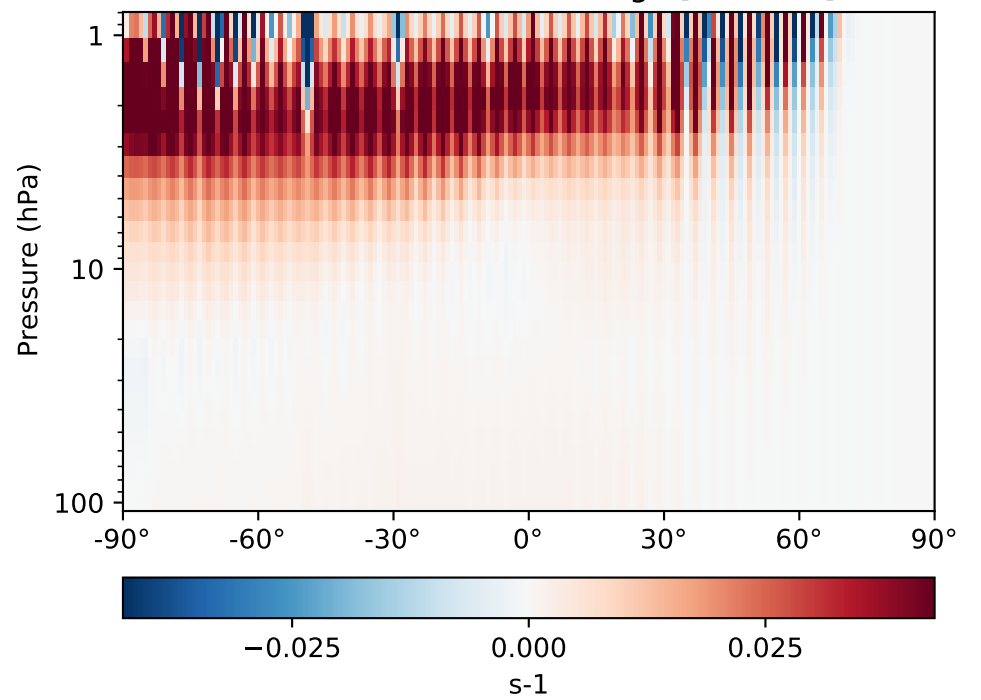
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



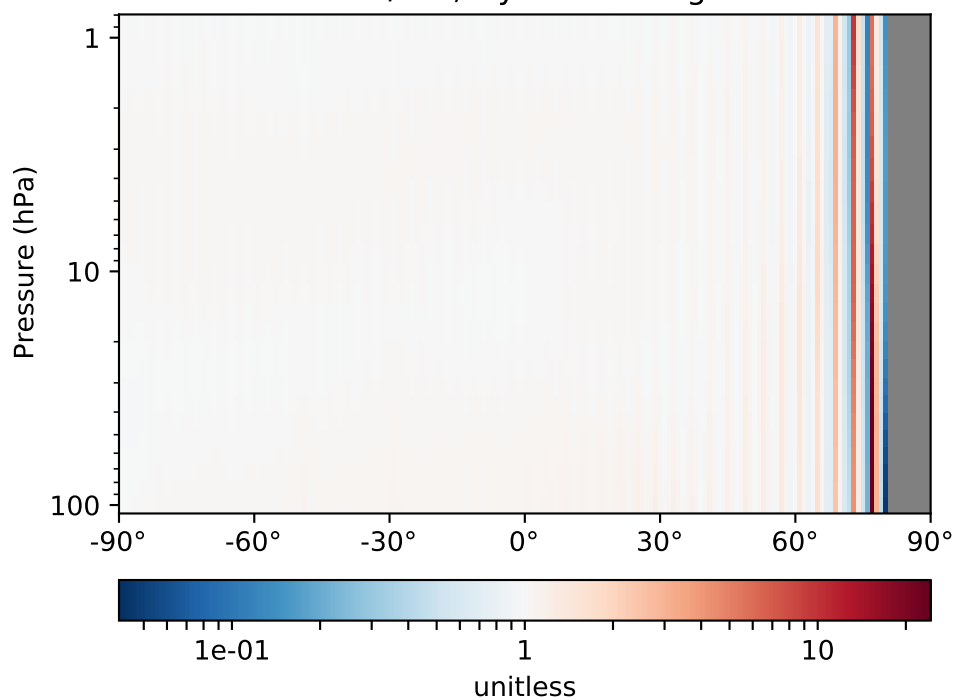
Difference (1x1.25)
Dev - Ref, Dynamic Range



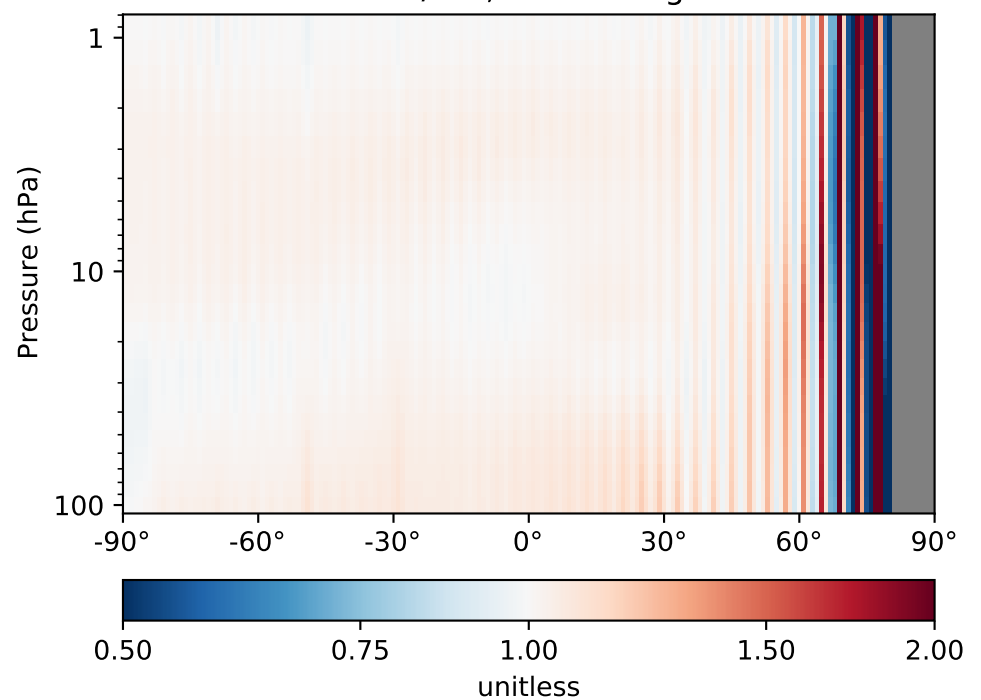
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

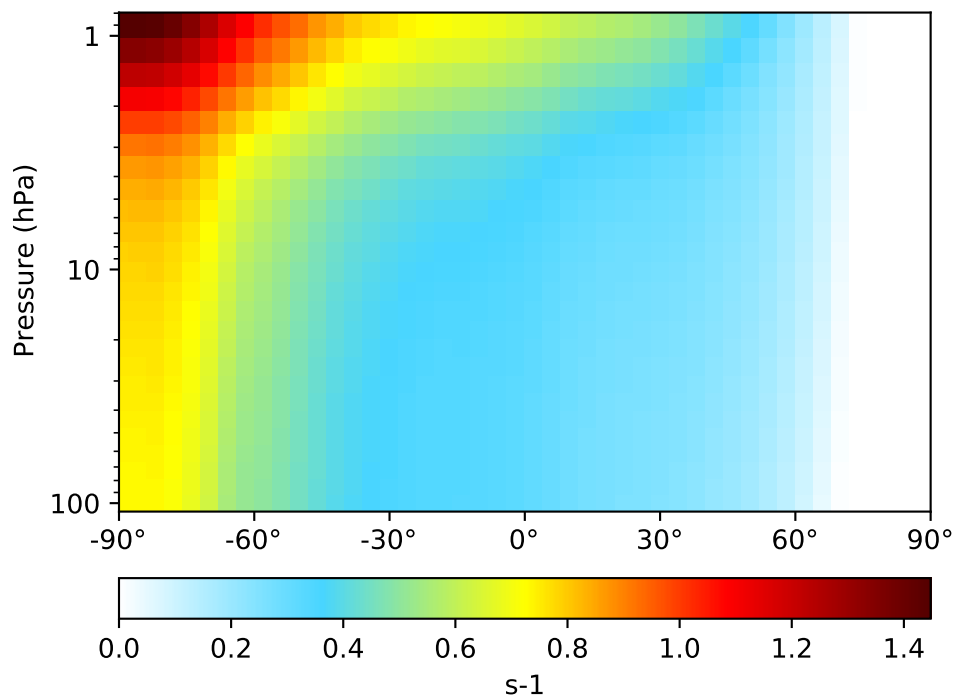


Ratio (1x1.25)
Dev/Ref, Fixed Range

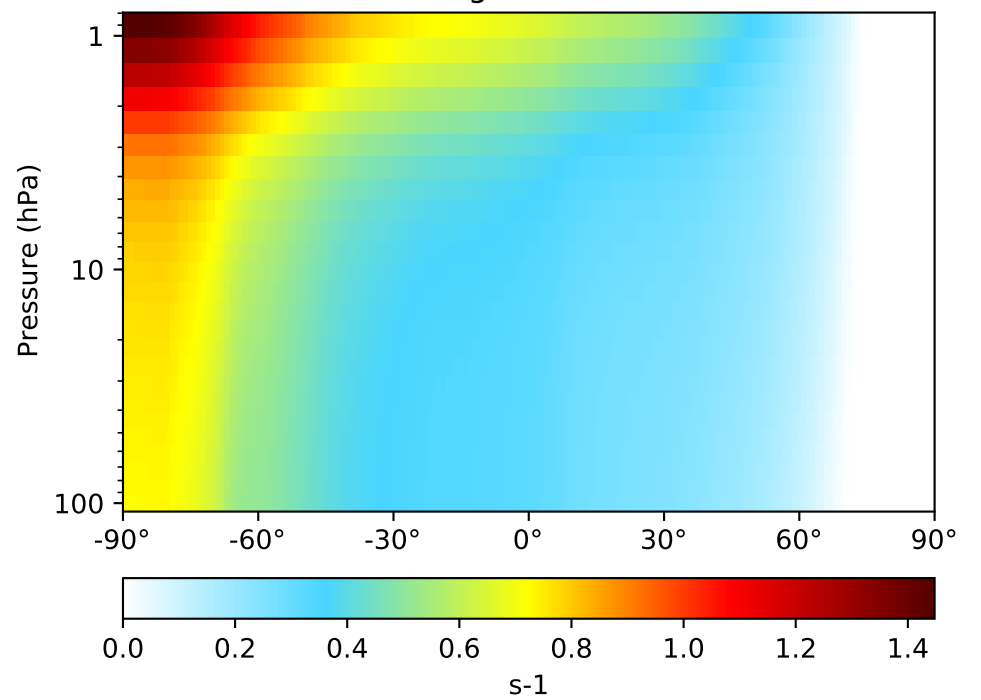


Jval0303P, Zonal Mean (Jan2019)

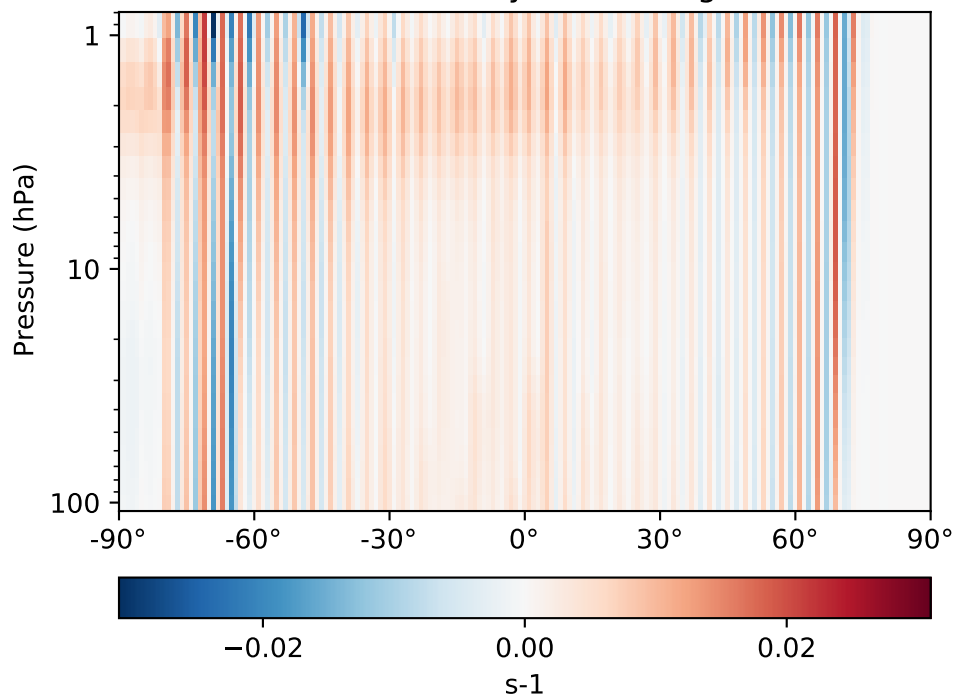
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



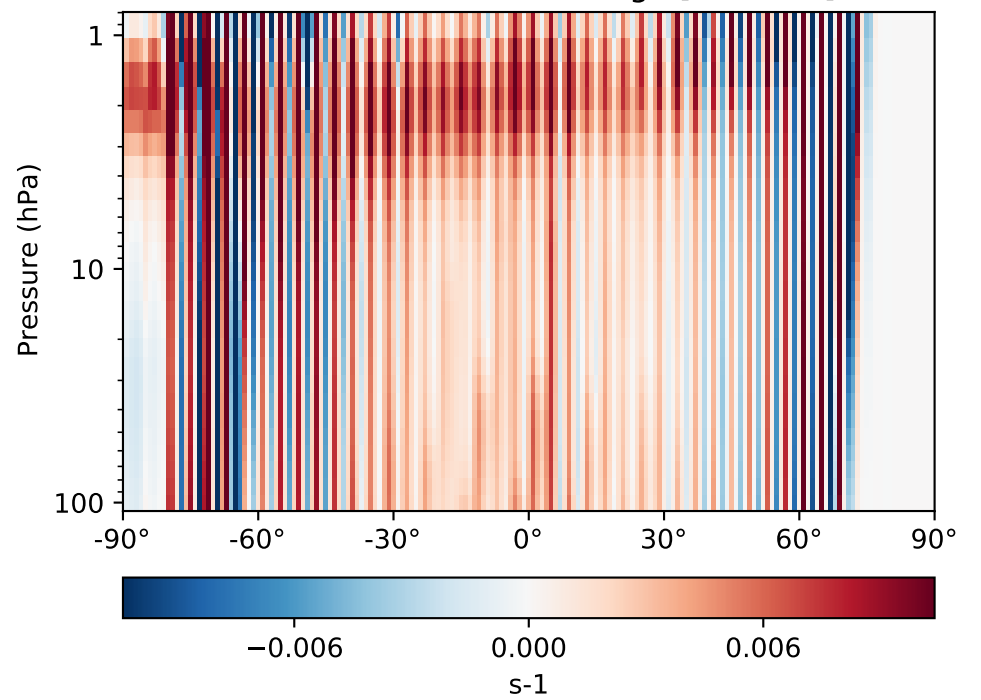
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



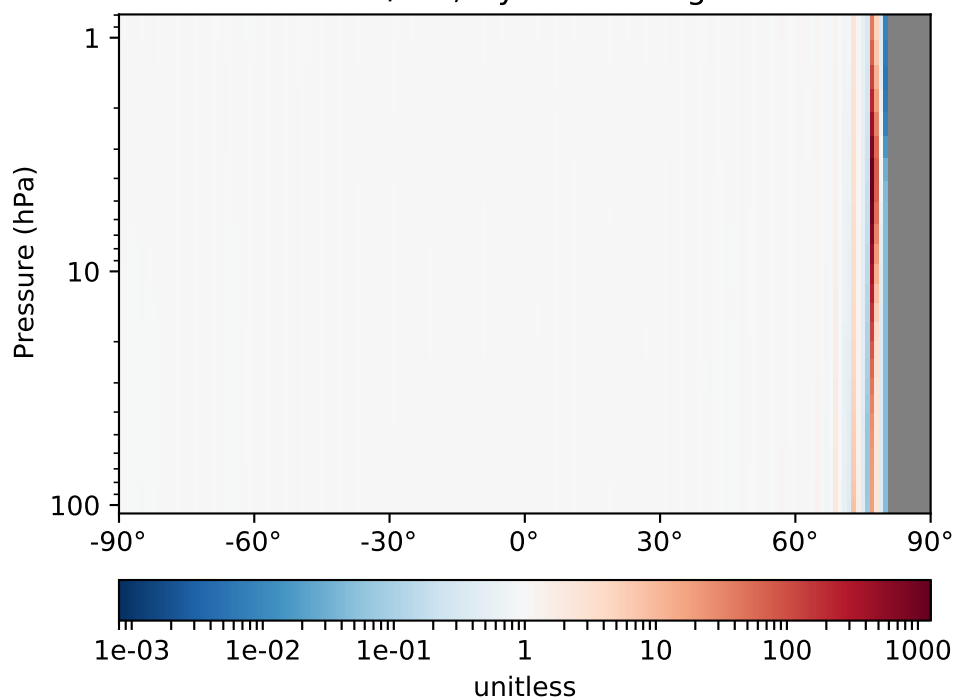
Difference (1x1.25)
Dev - Ref, Dynamic Range



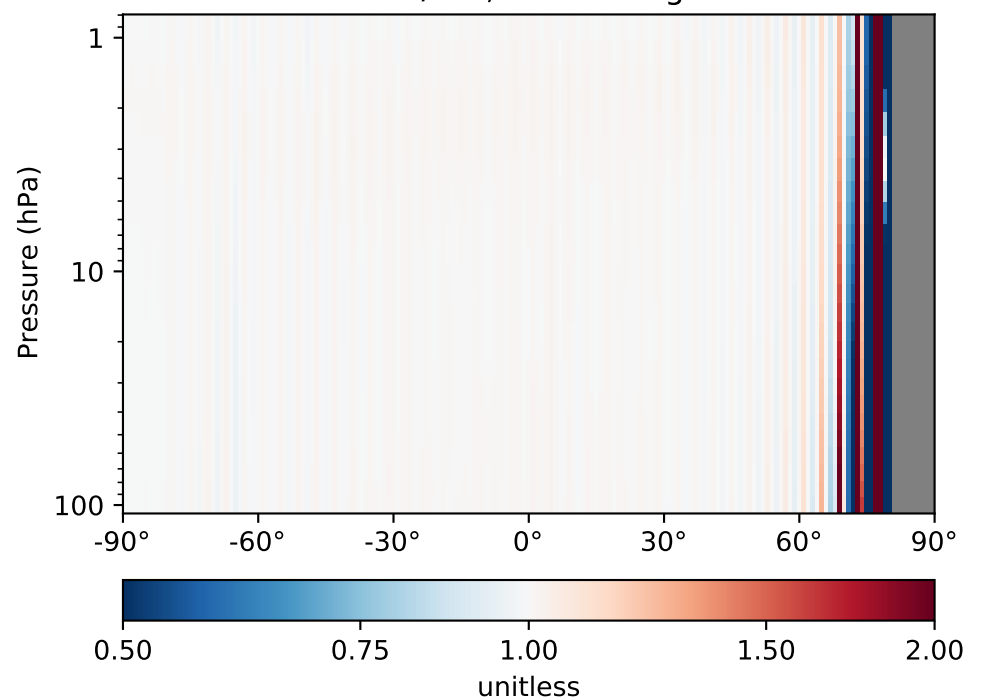
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

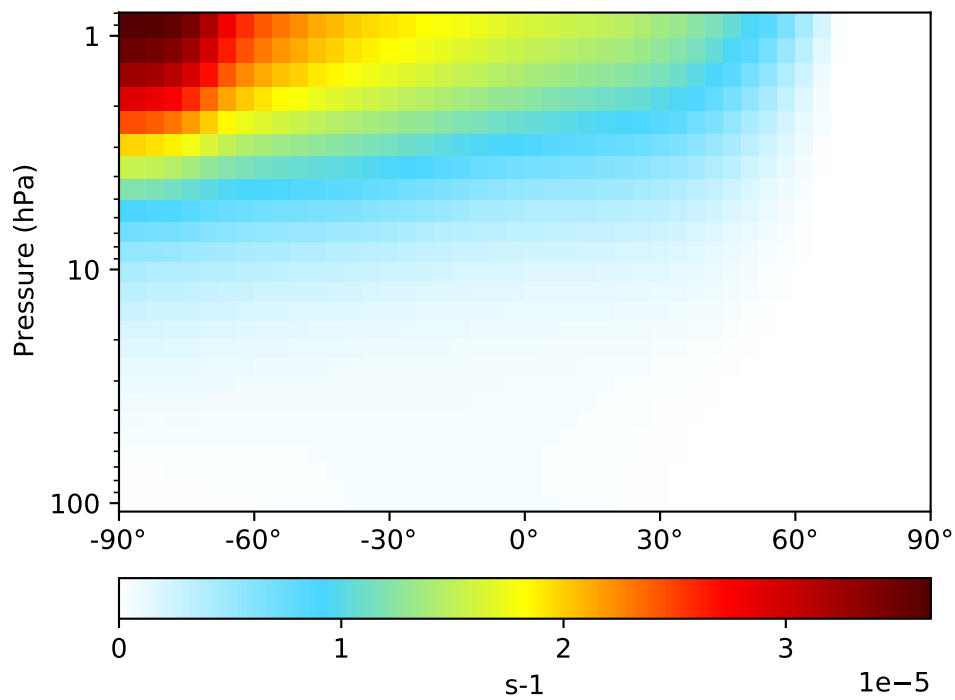


Ratio (1x1.25)
Dev/Ref, Fixed Range

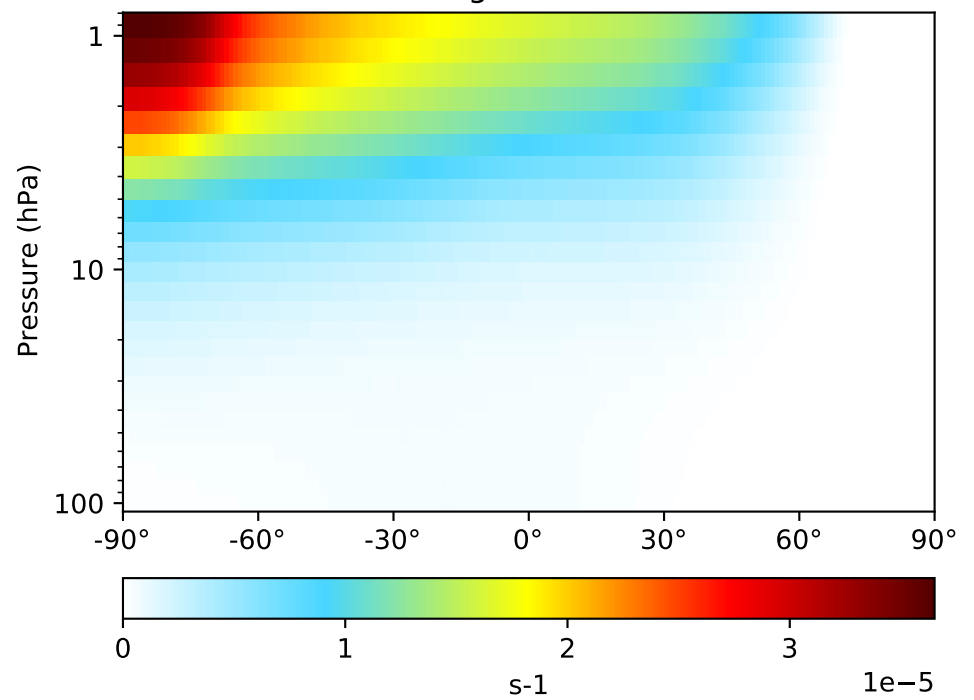


Jval_ACET, Zonal Mean (Jan2019)

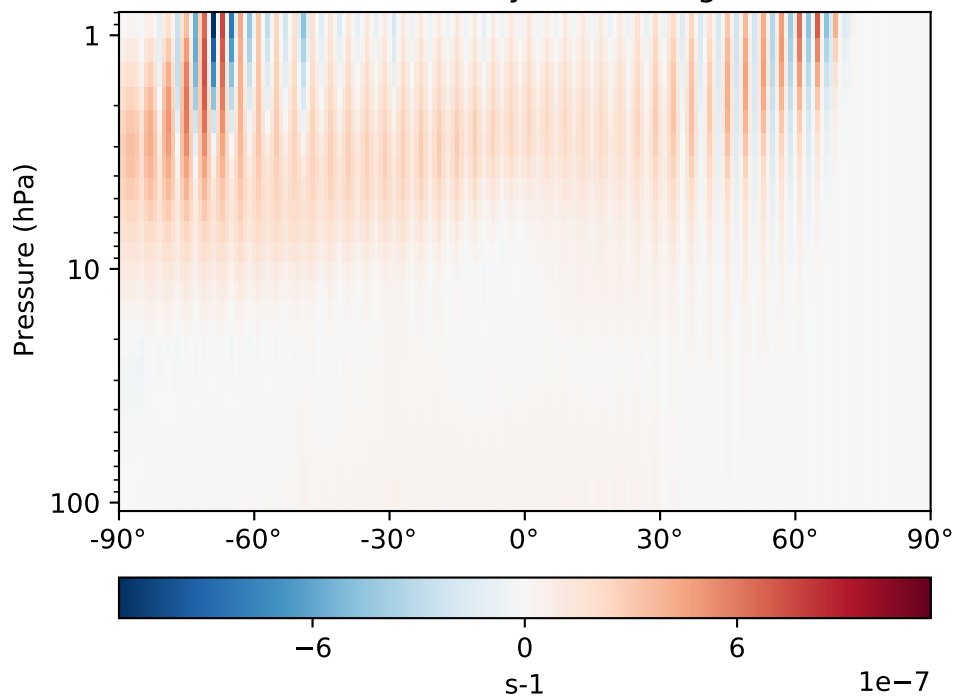
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



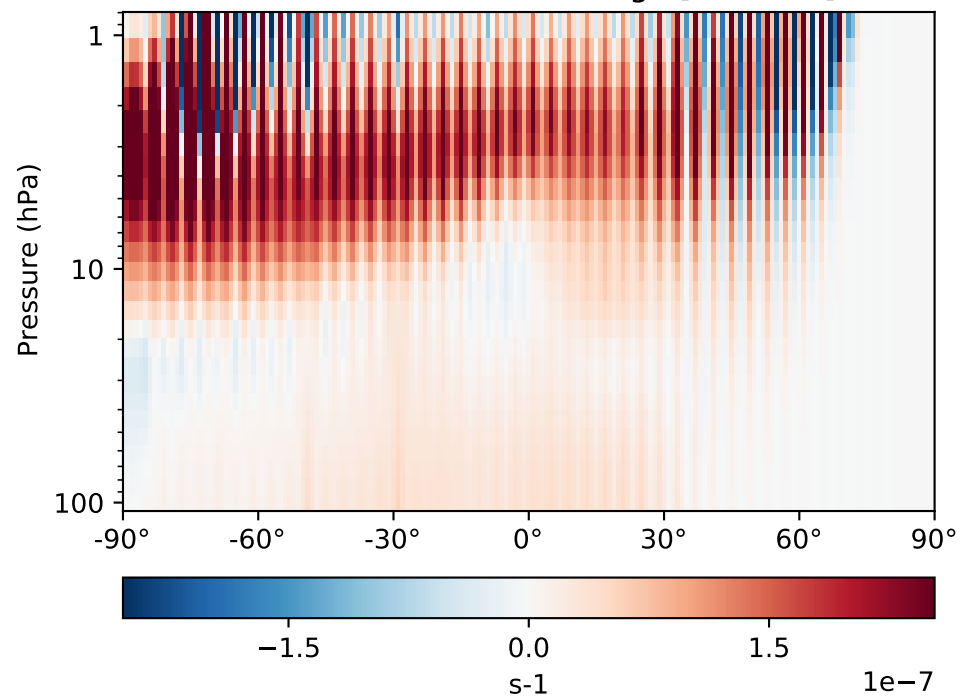
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regridged from c48



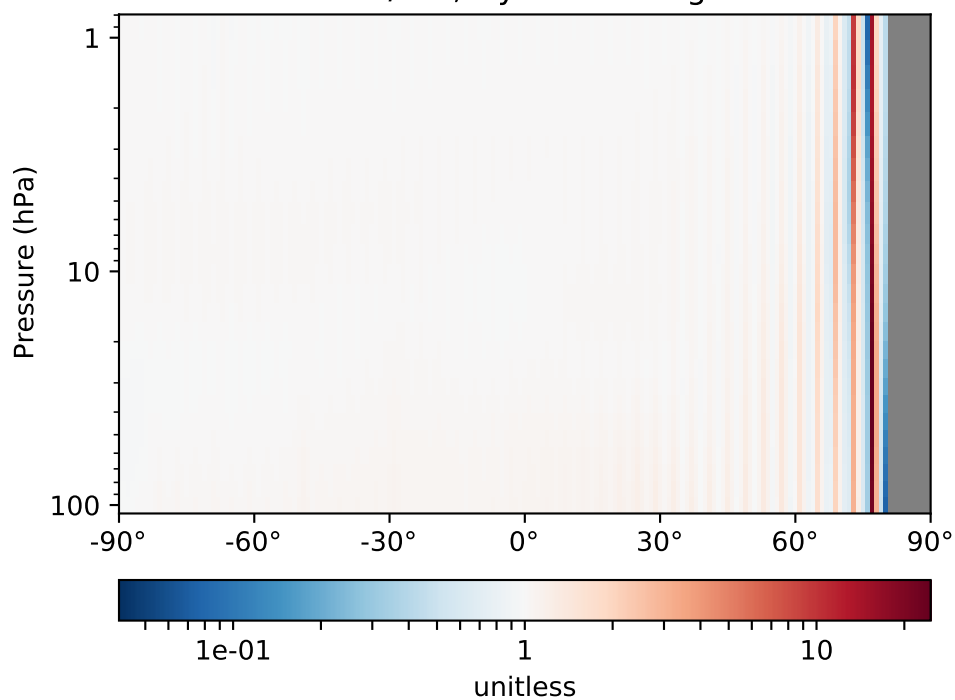
Difference (1x1.25)
Dev - Ref, Dynamic Range



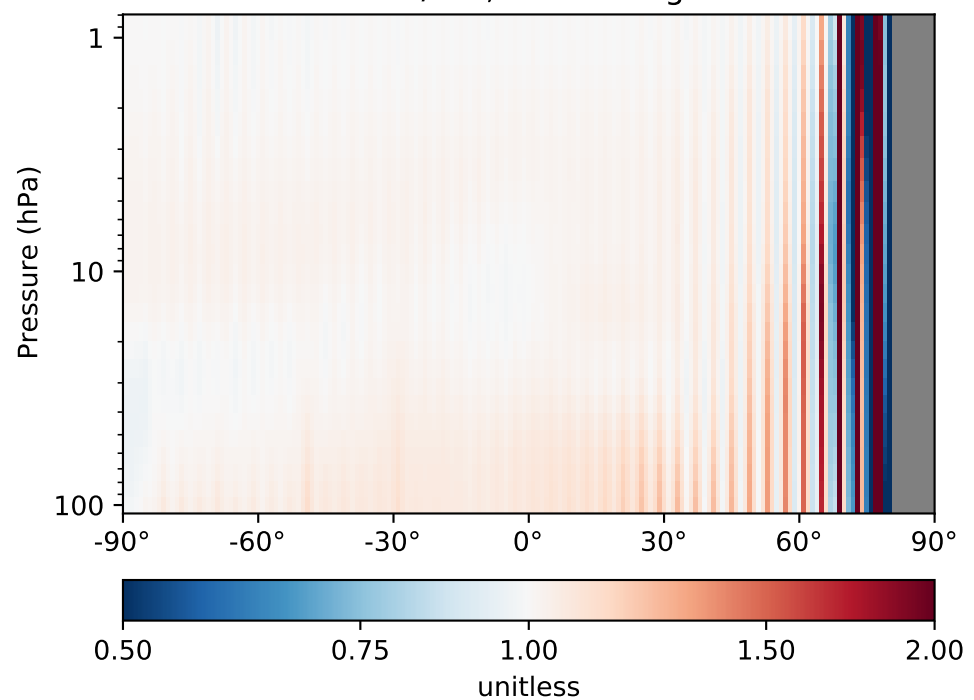
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

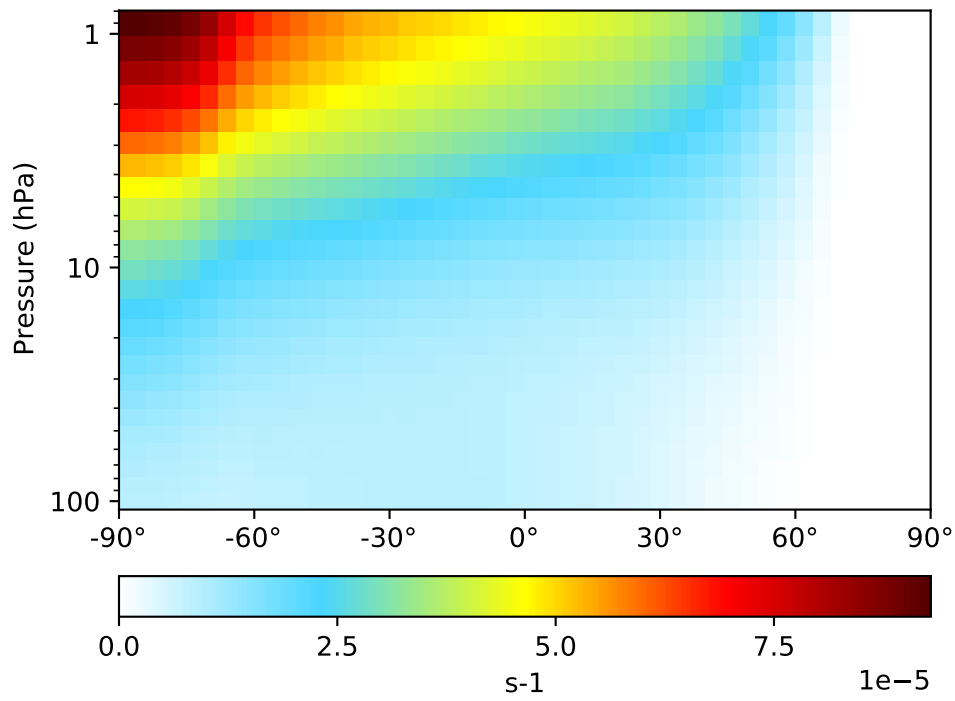


Ratio (1x1.25)
Dev/Ref, Fixed Range

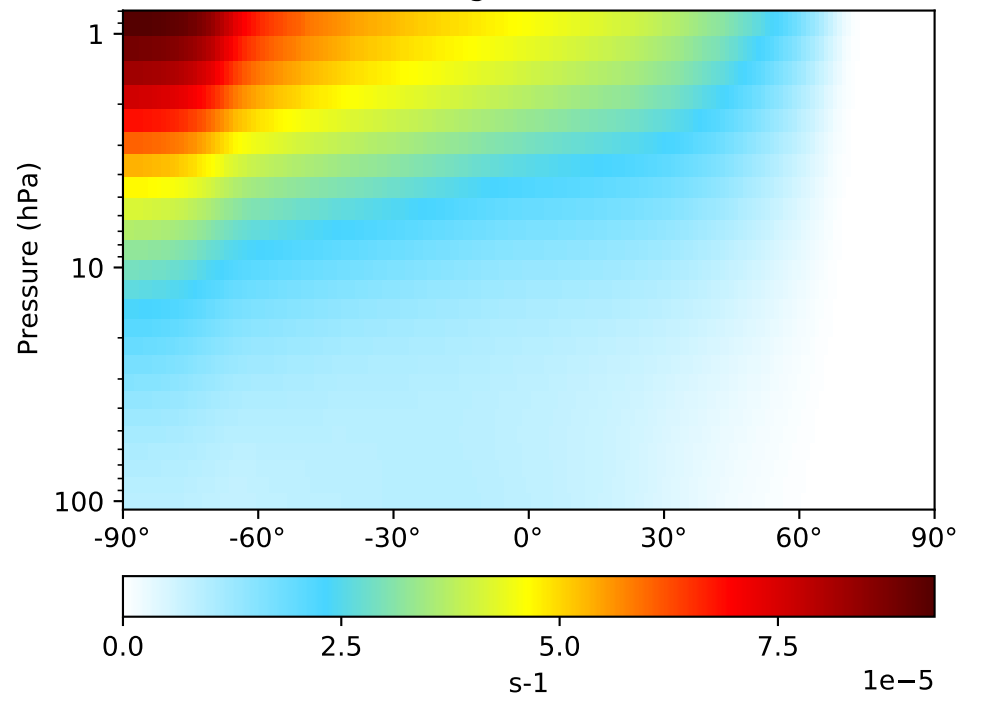


Jval_ALD2, Zonal Mean (Jan2019)

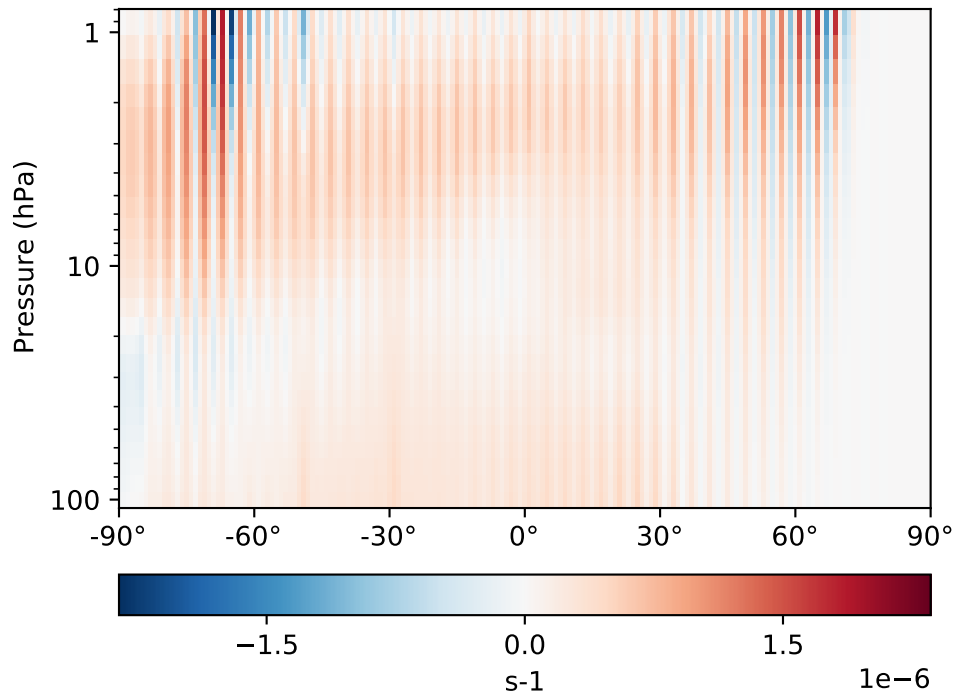
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



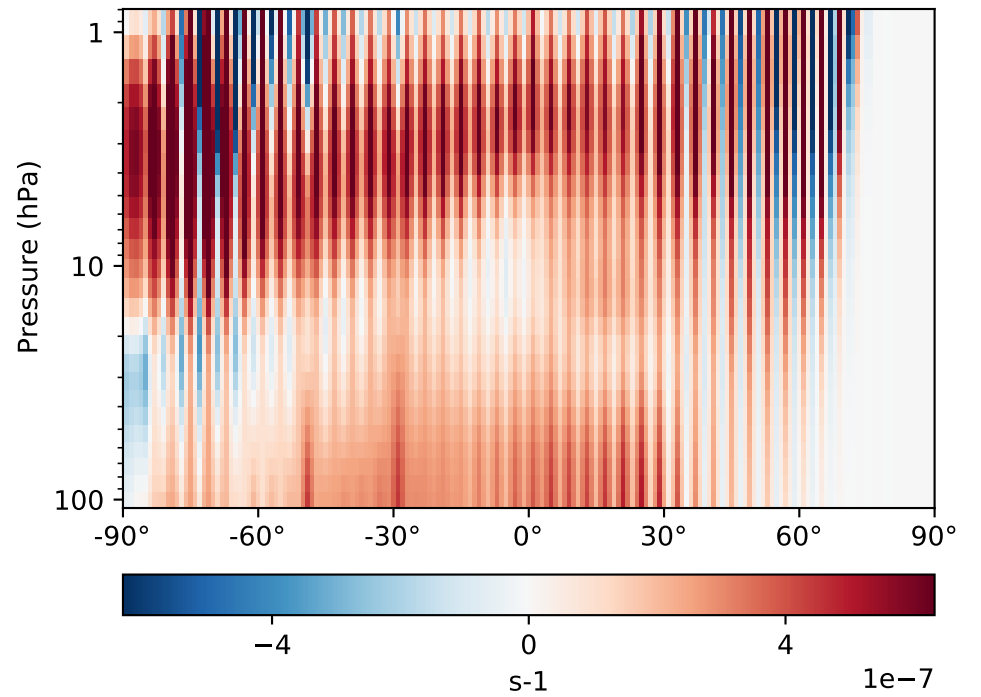
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



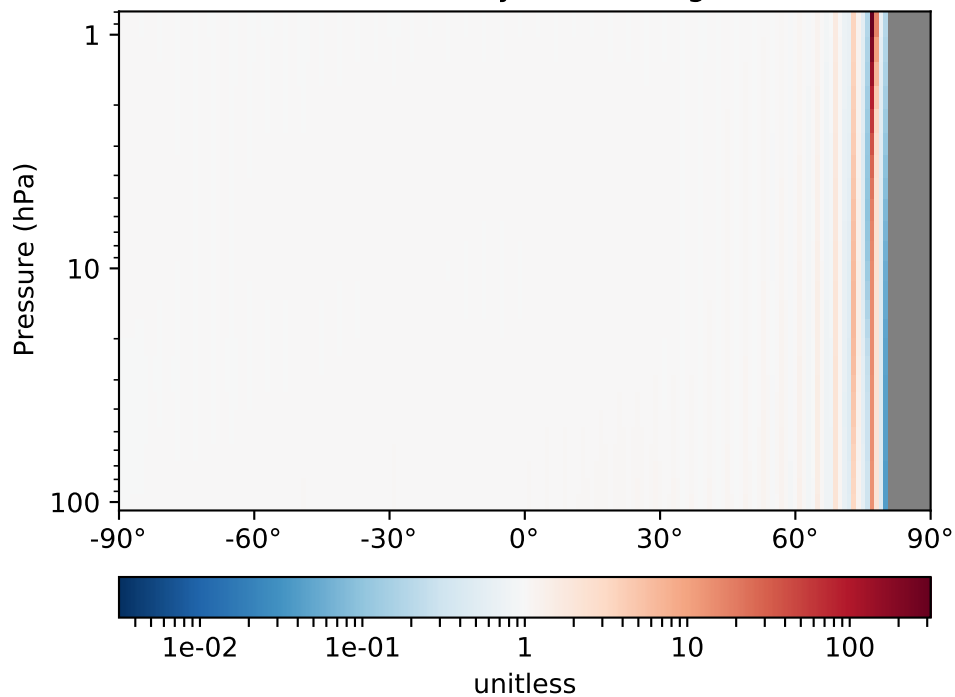
Difference (1x1.25)
Dev - Ref, Dynamic Range



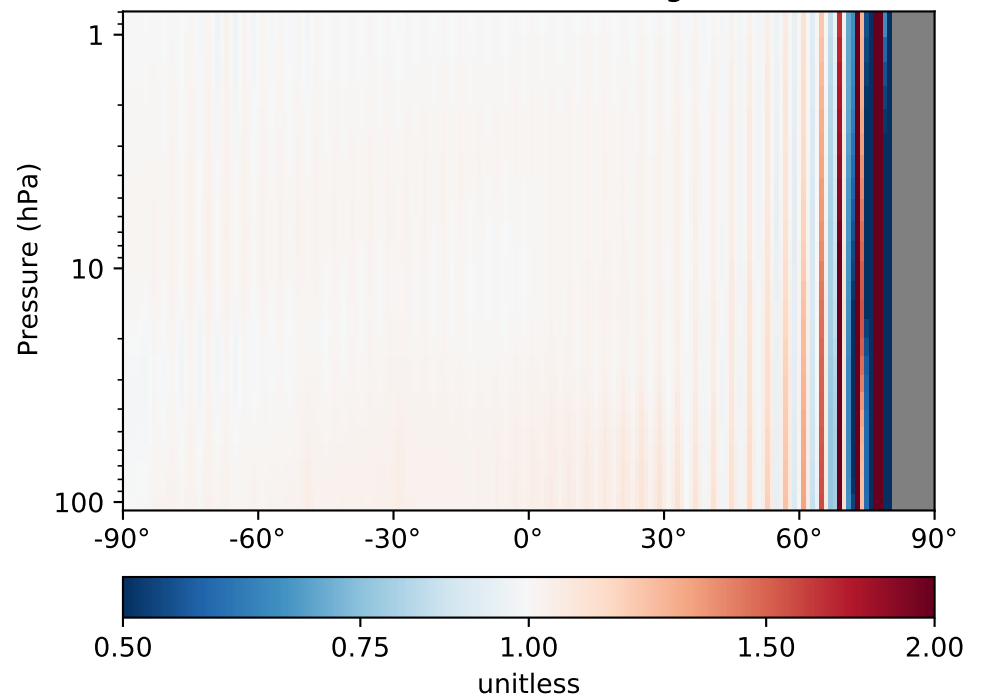
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

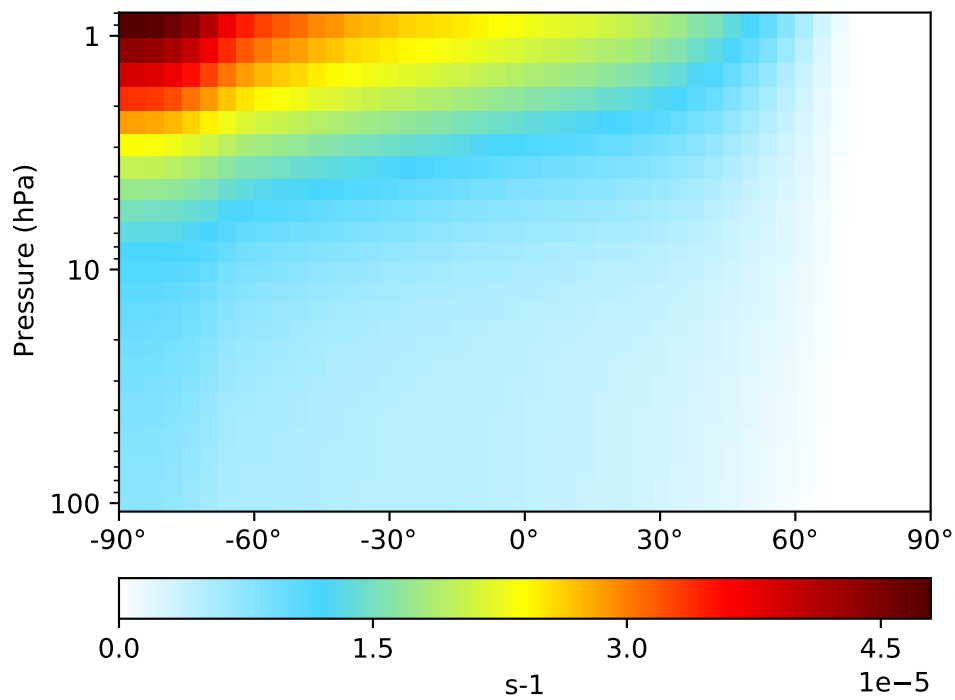


Ratio (1x1.25)
Dev/Ref, Fixed Range

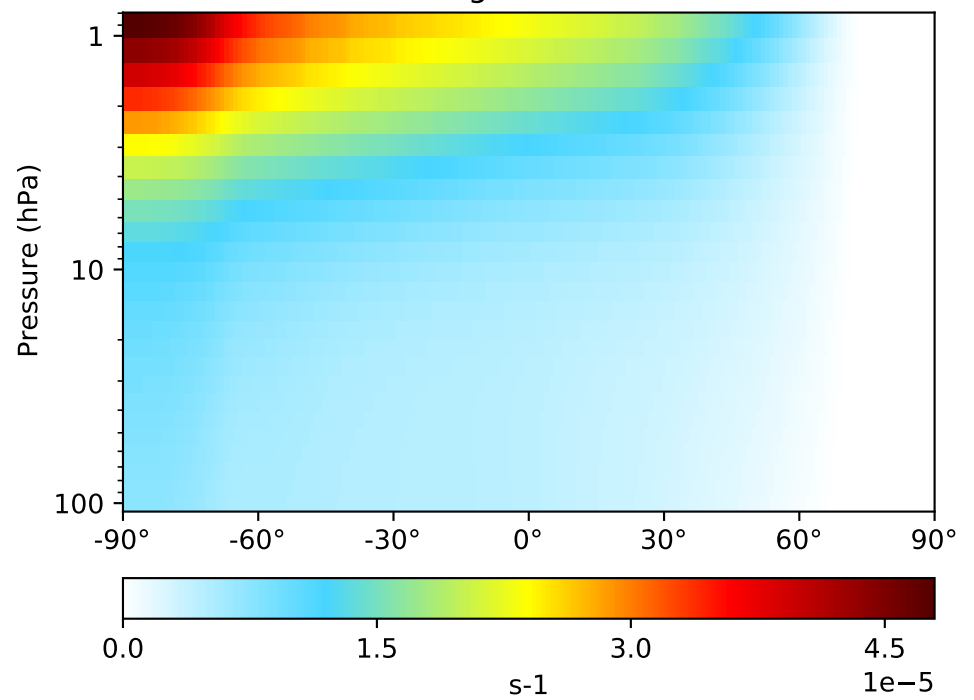


Jval_ATOOH, Zonal Mean (Jan2019)

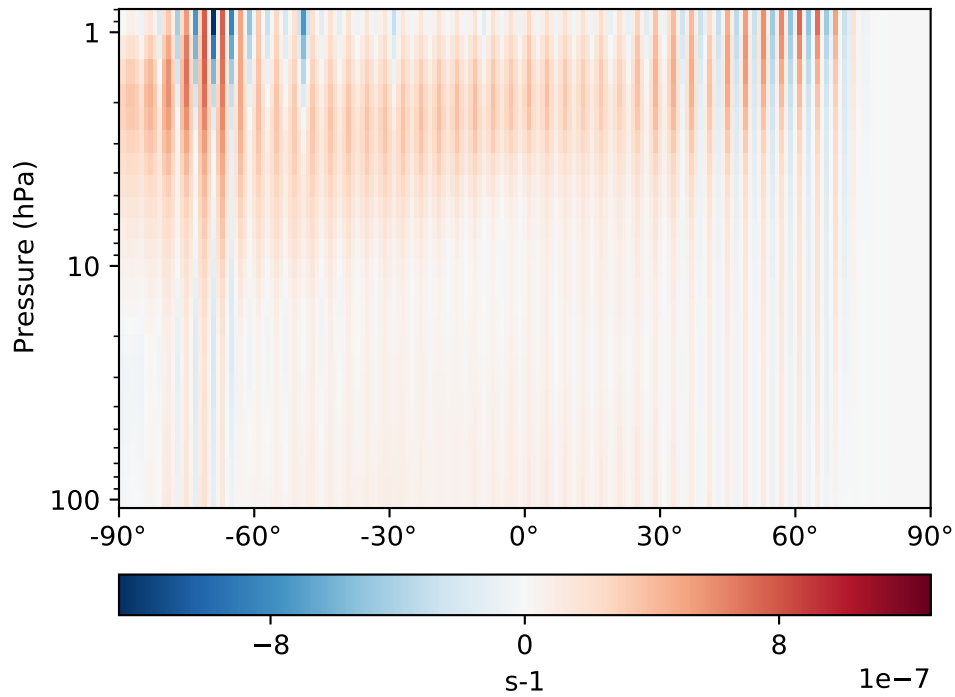
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



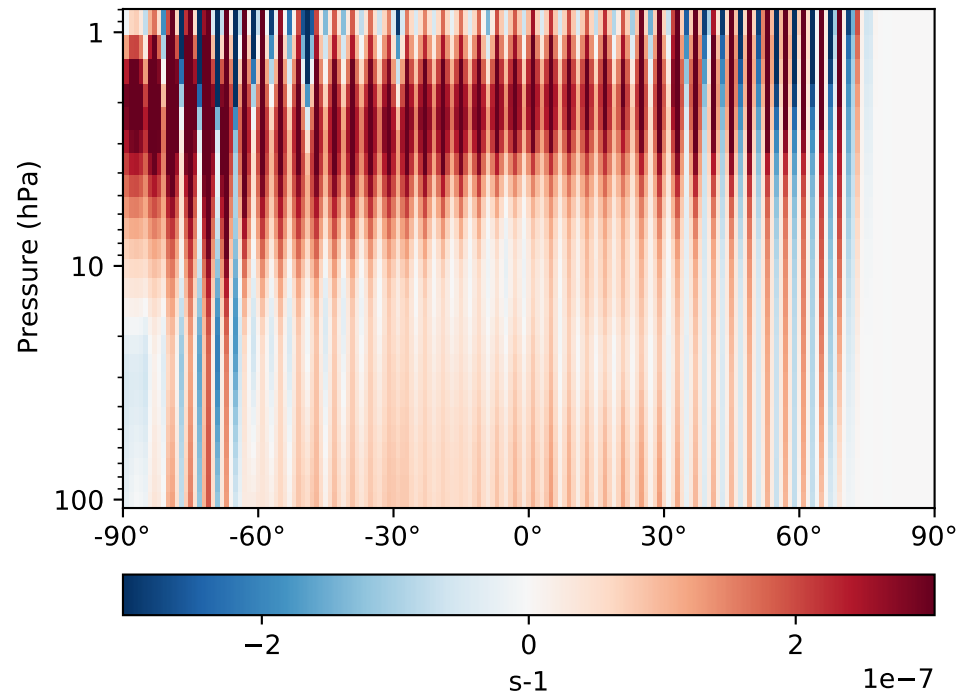
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



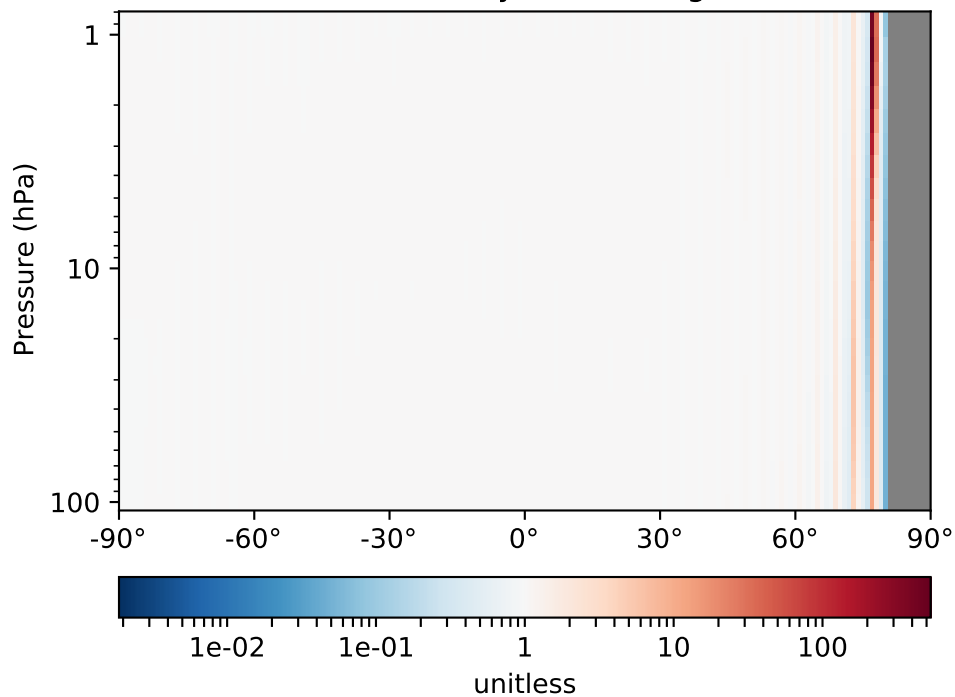
Difference (1x1.25)
Dev - Ref, Dynamic Range



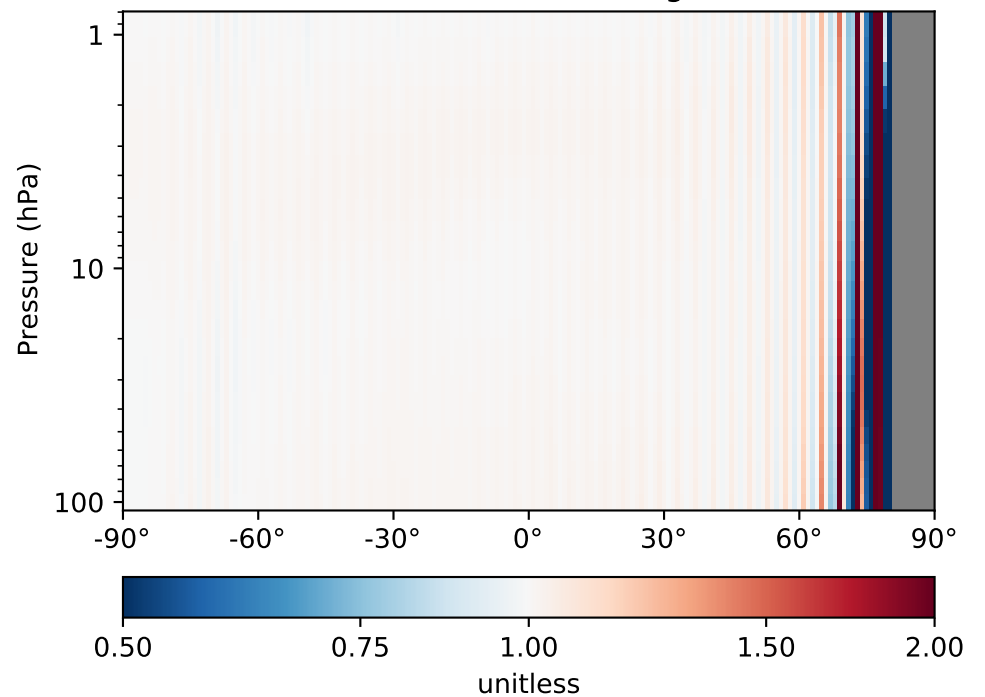
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

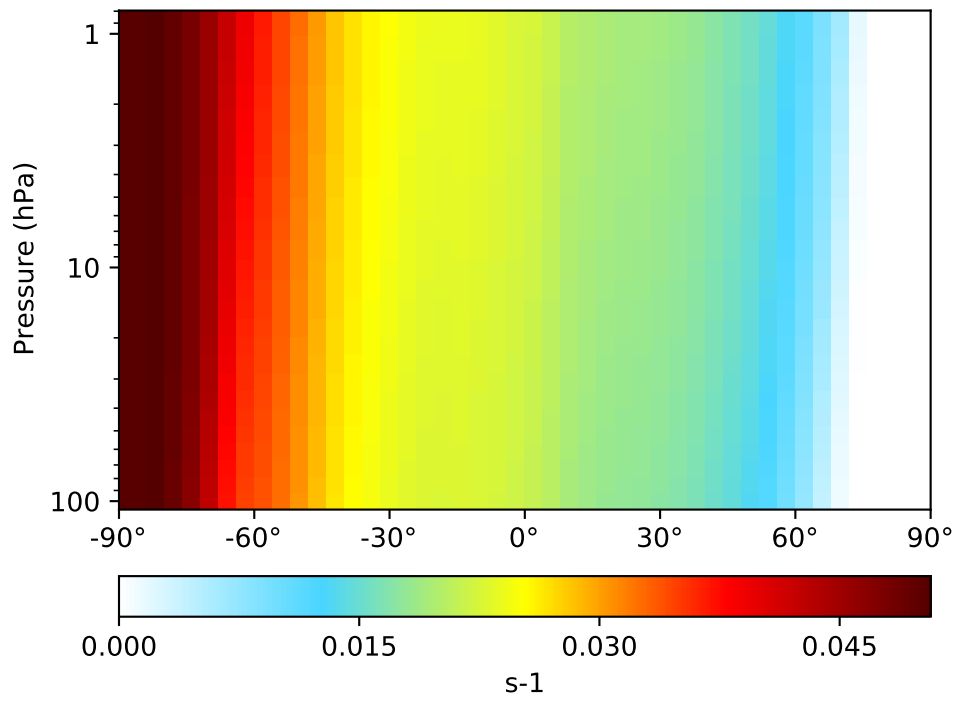


Ratio (1x1.25)
Dev/Ref, Fixed Range

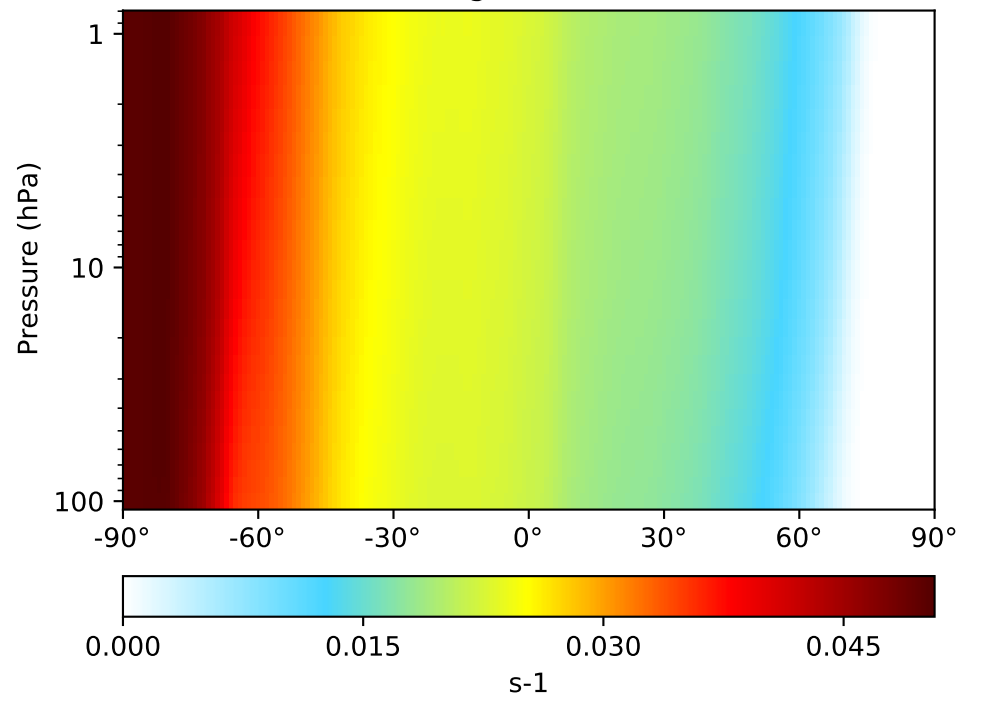


Jval_Br2, Zonal Mean (Jan2019)

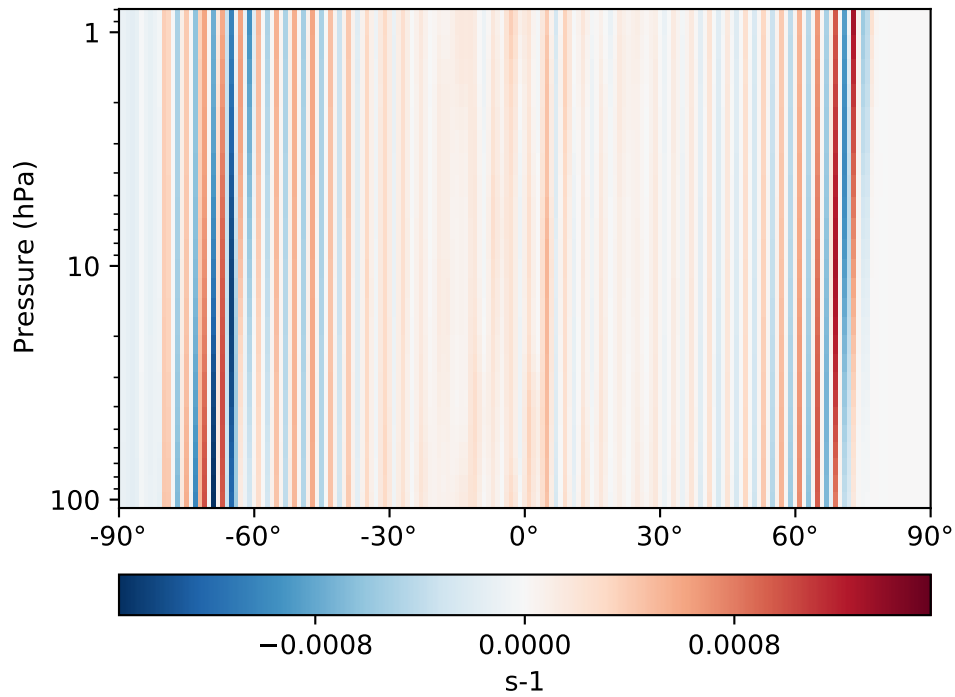
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



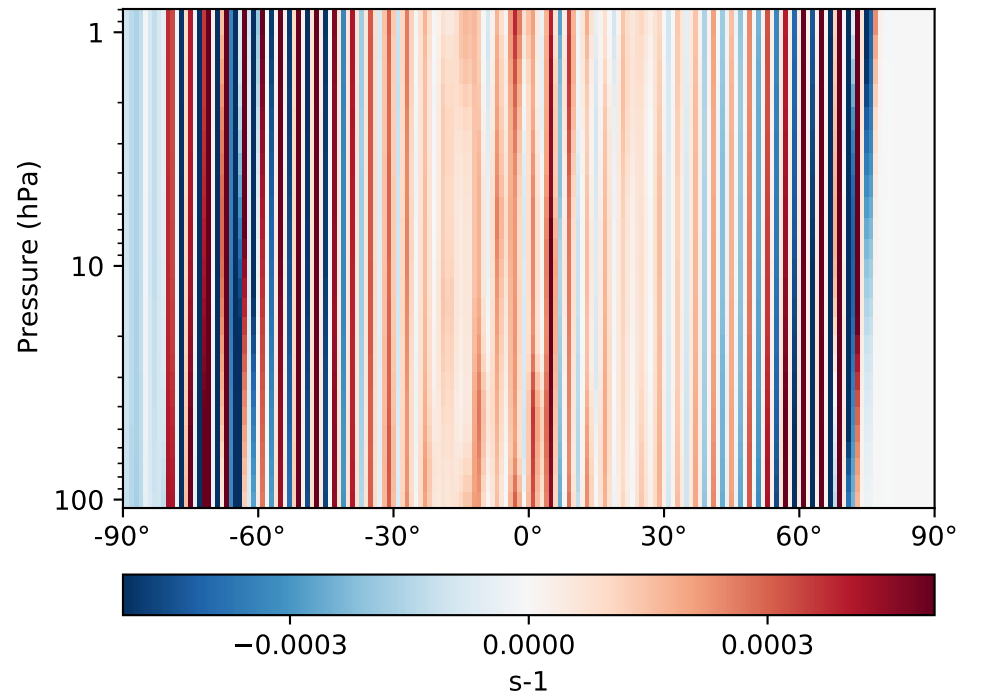
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



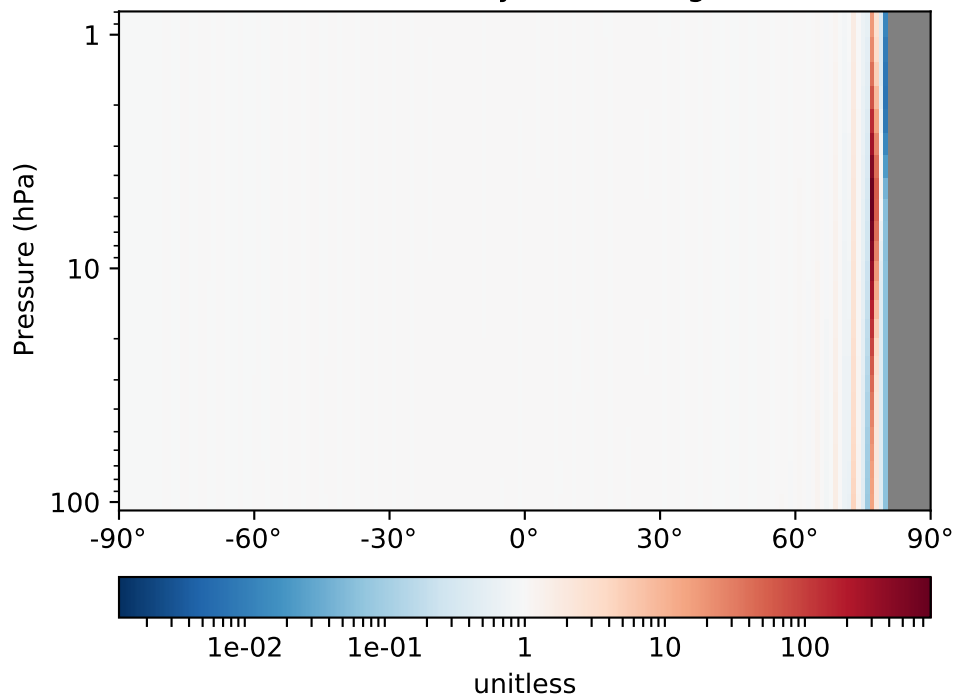
Difference (1x1.25)
Dev - Ref, Dynamic Range



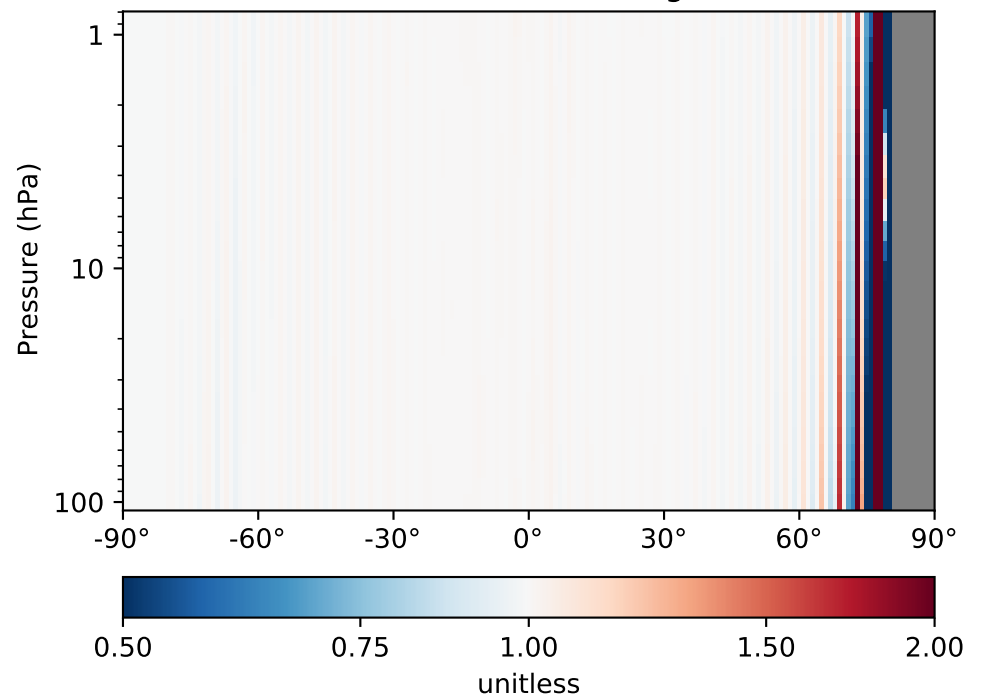
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

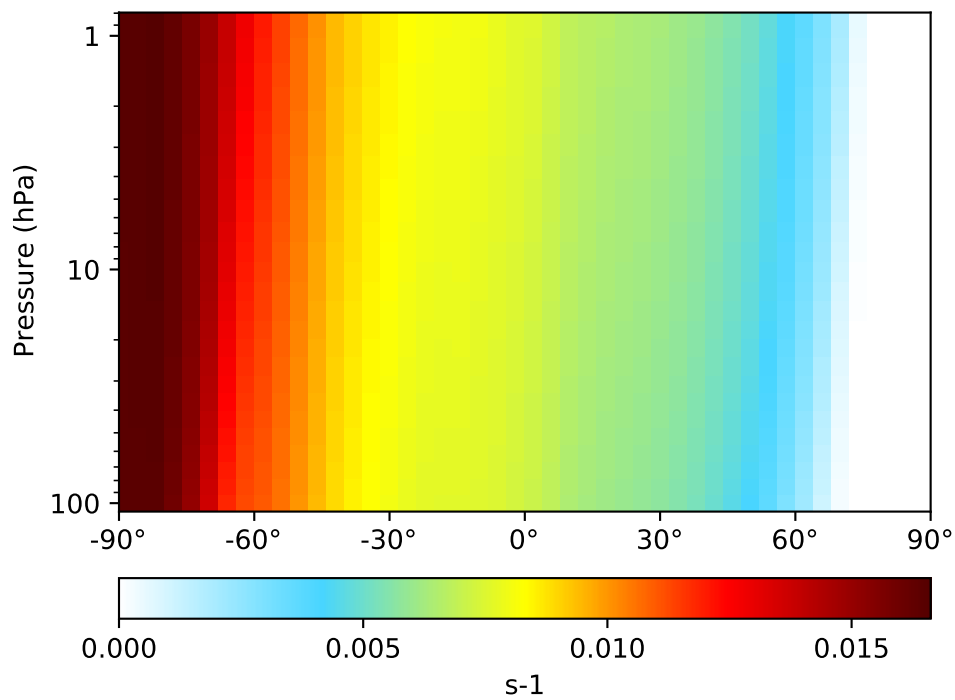


Ratio (1x1.25)
Dev/Ref, Fixed Range

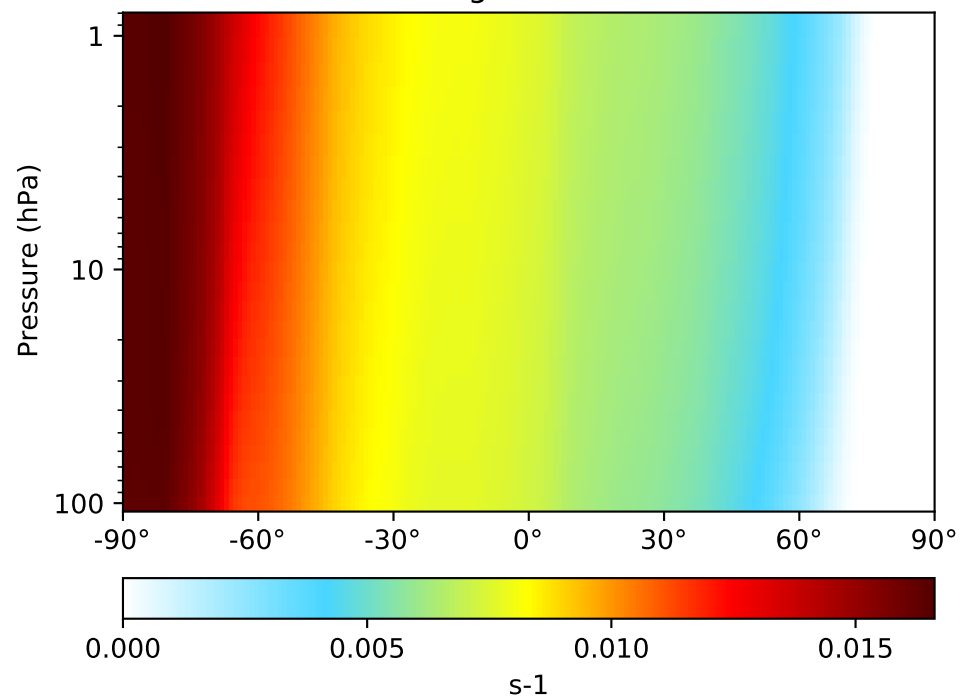


Jval_BrCl, Zonal Mean (Jan2019)

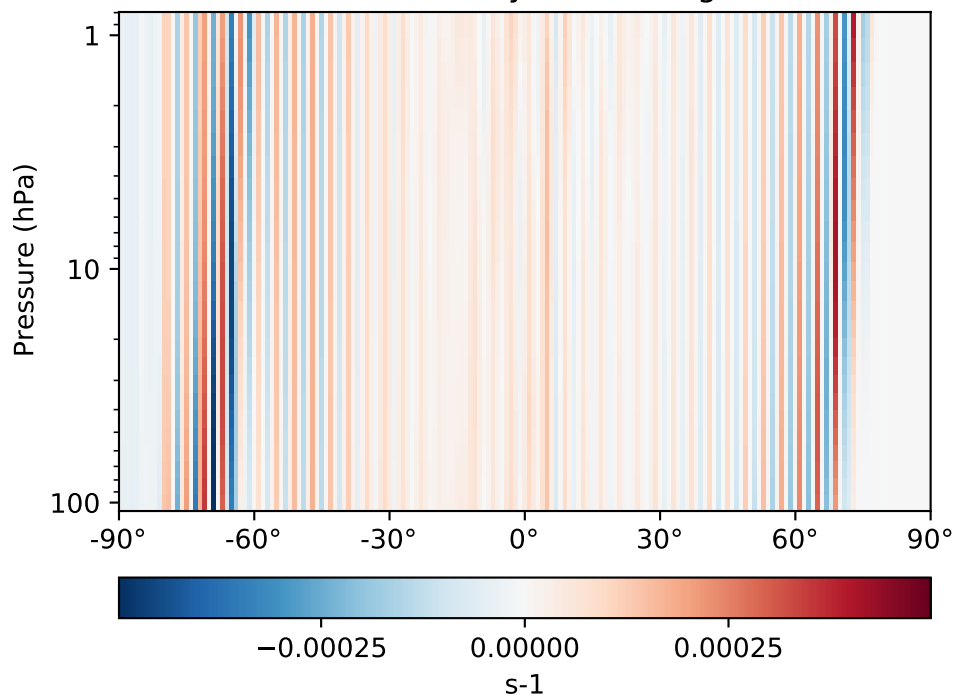
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



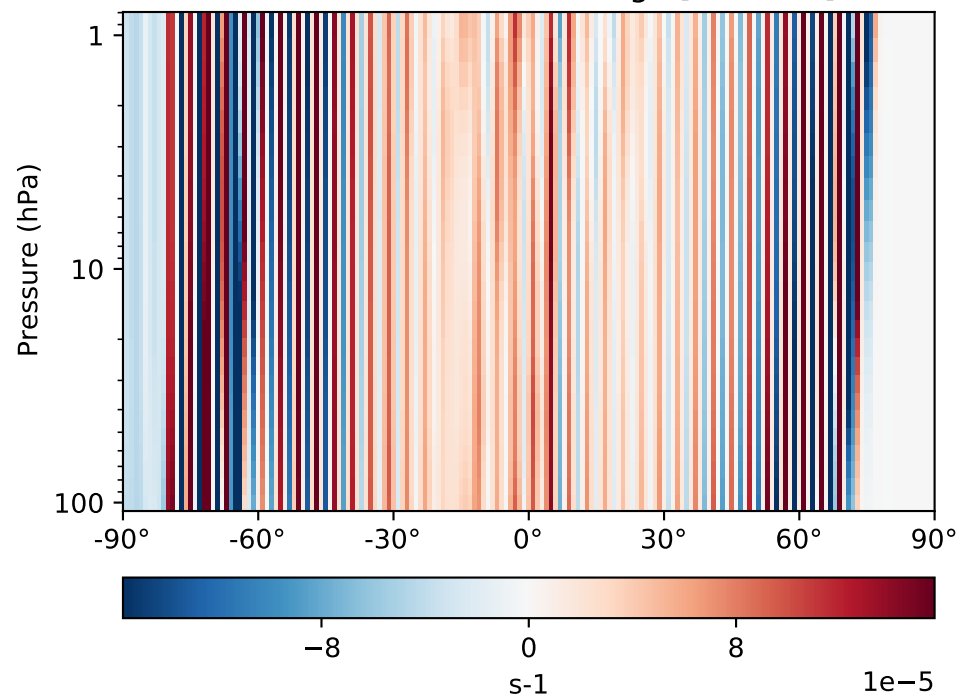
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



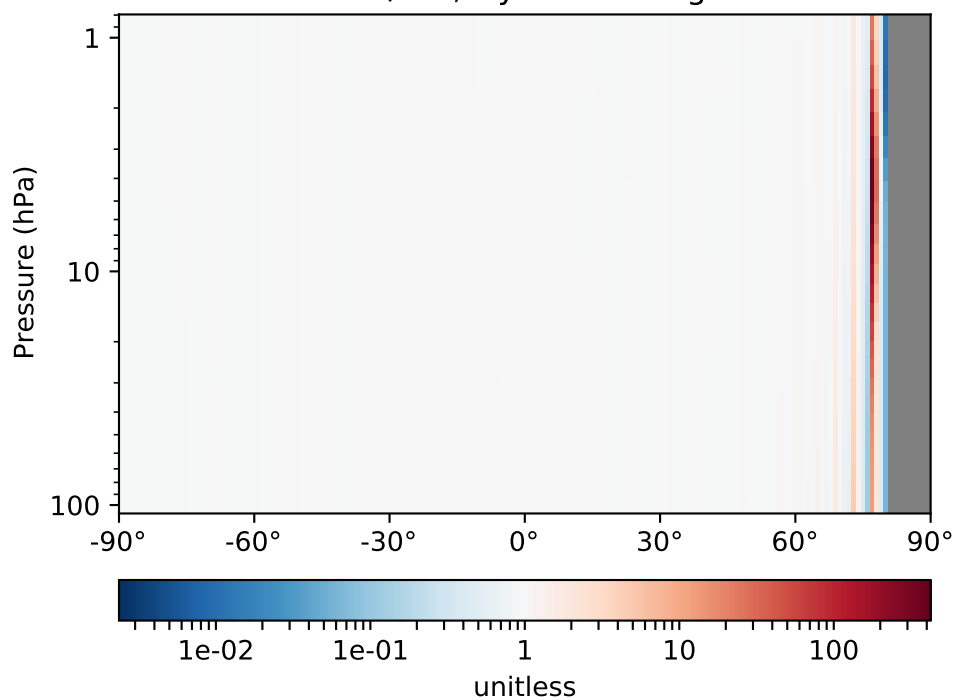
Difference (1x1.25)
Dev - Ref, Dynamic Range



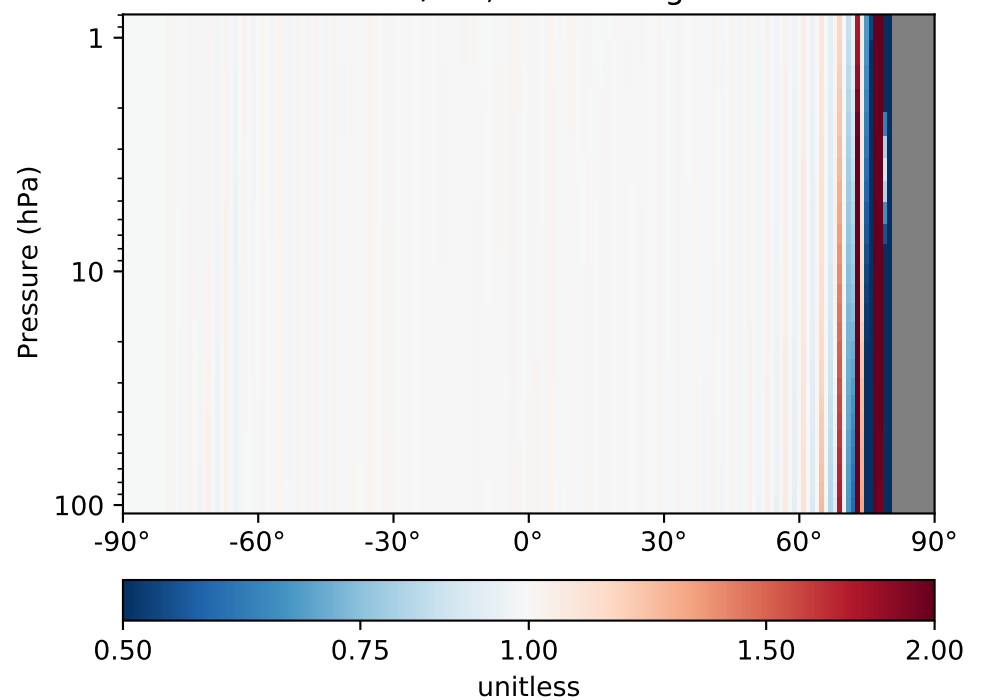
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

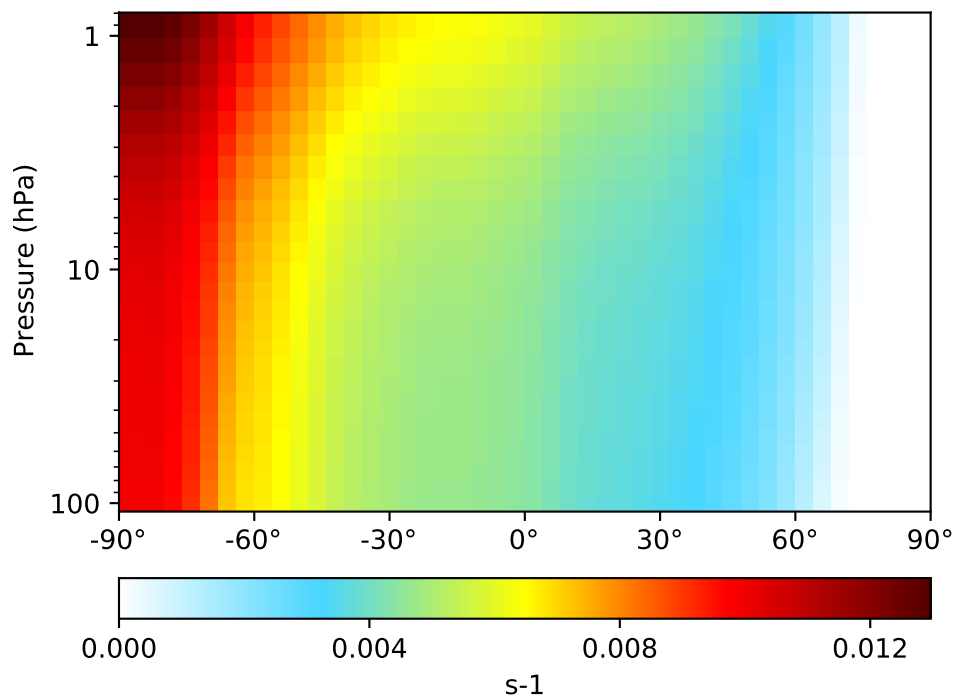


Ratio (1x1.25)
Dev/Ref, Fixed Range

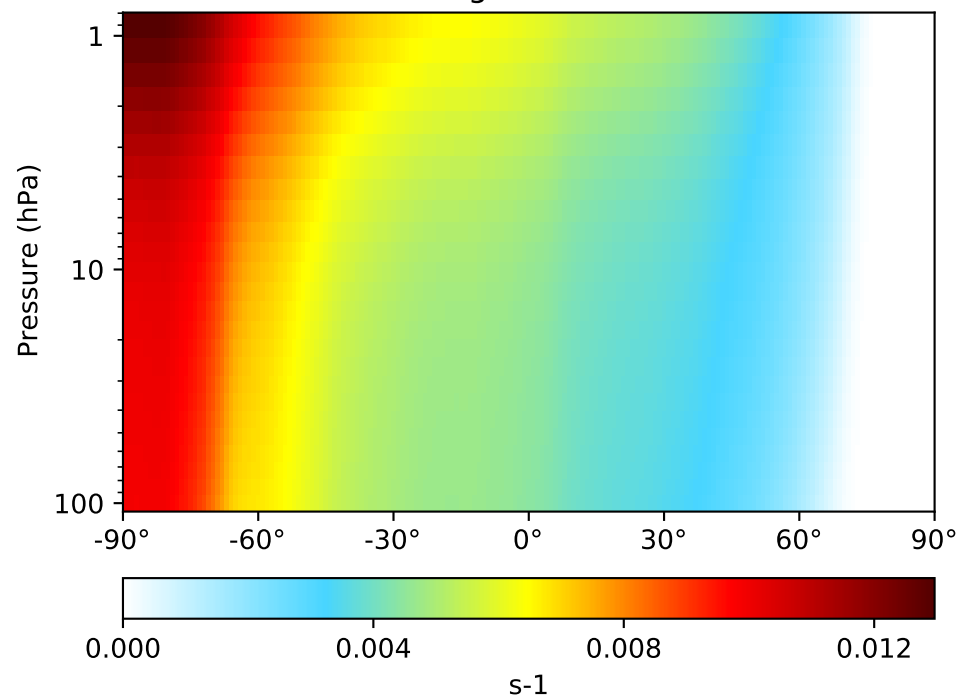


Jval_BrNO2, Zonal Mean (Jan2019)

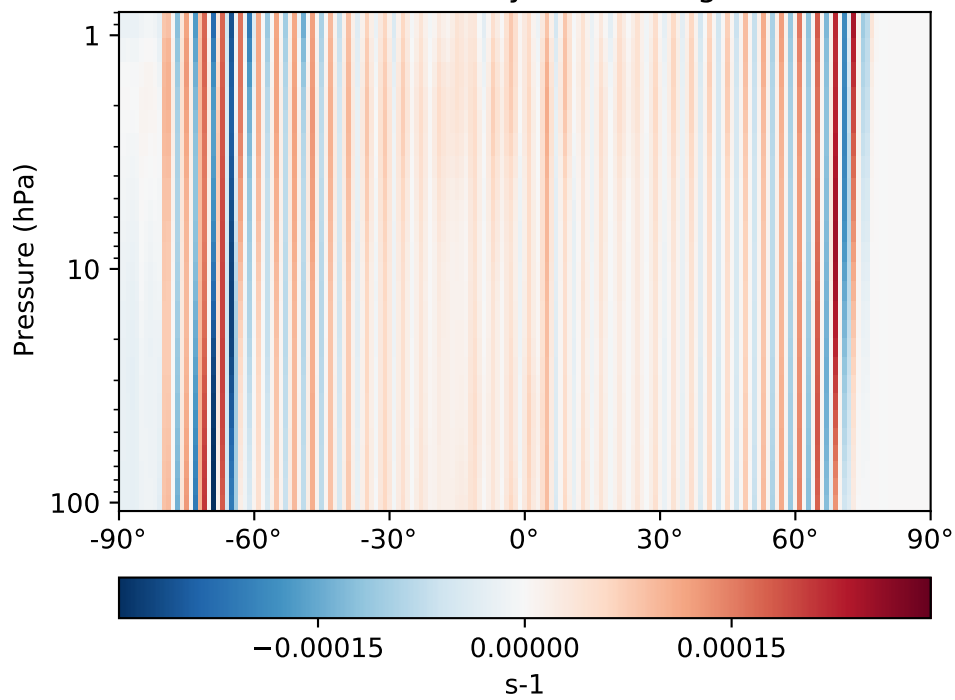
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



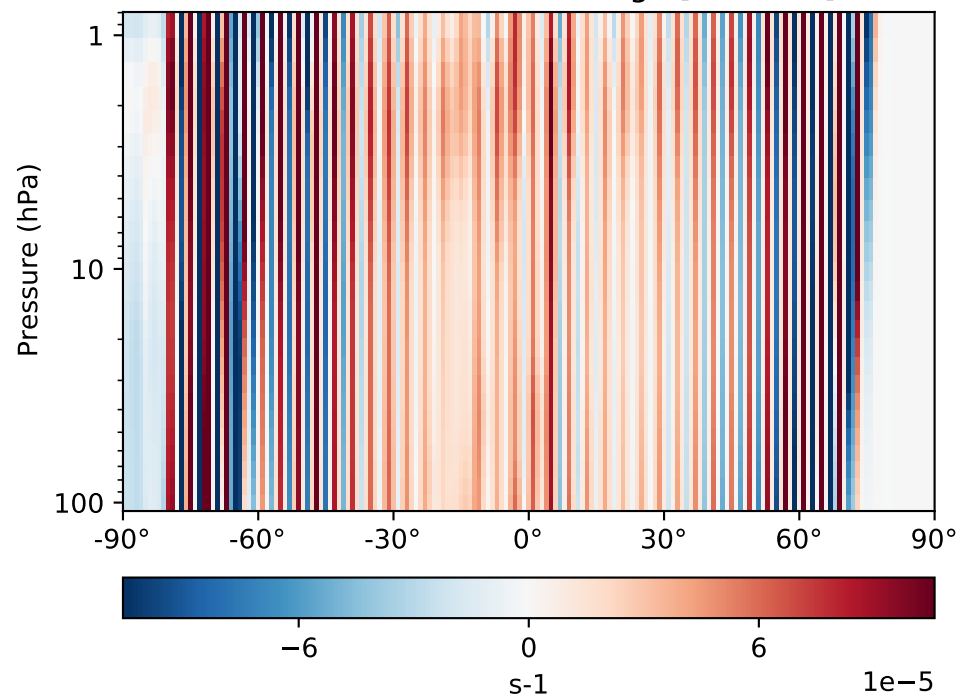
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



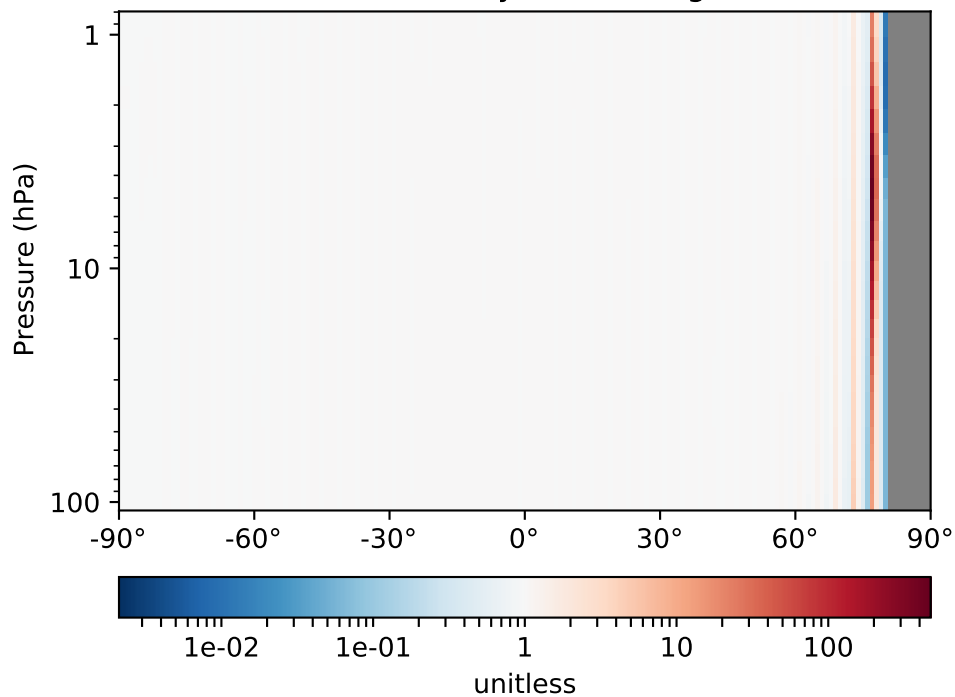
Difference (1x1.25)
Dev - Ref, Dynamic Range



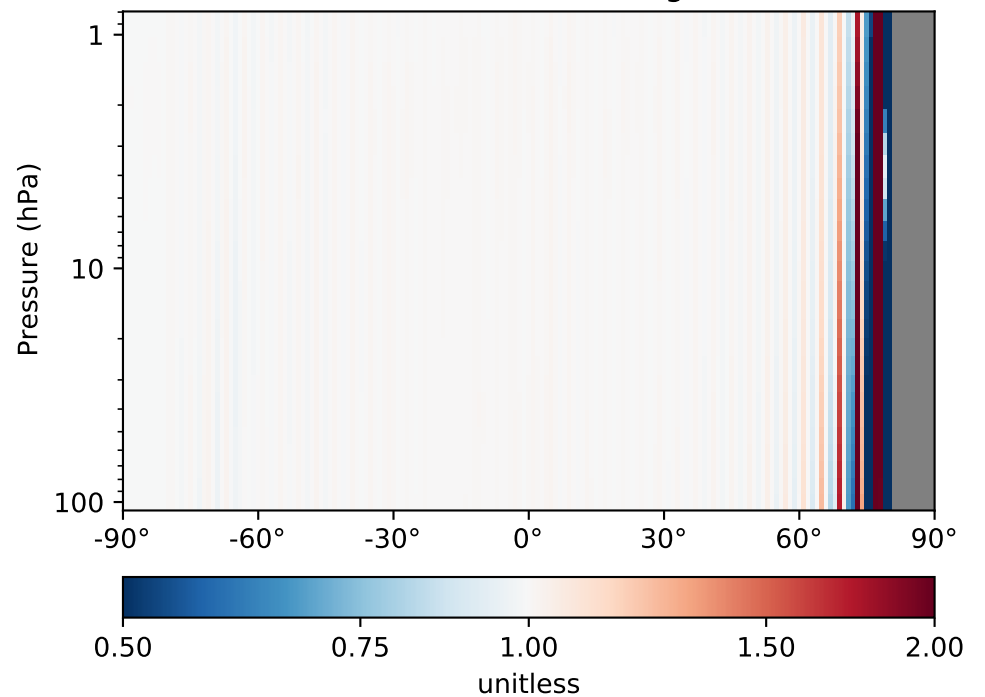
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

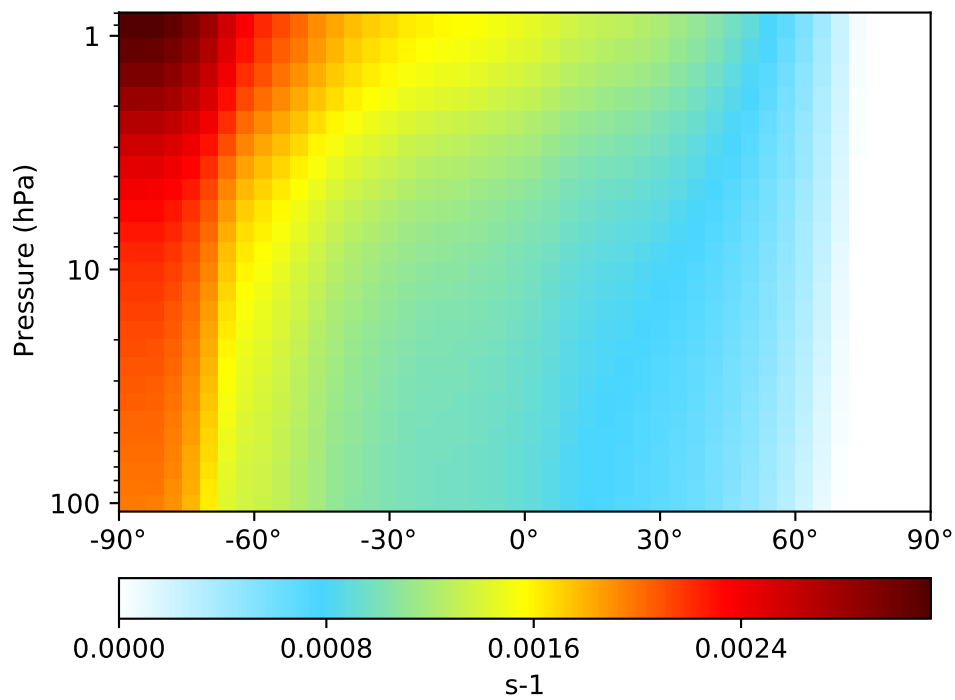


Ratio (1x1.25)
Dev/Ref, Fixed Range

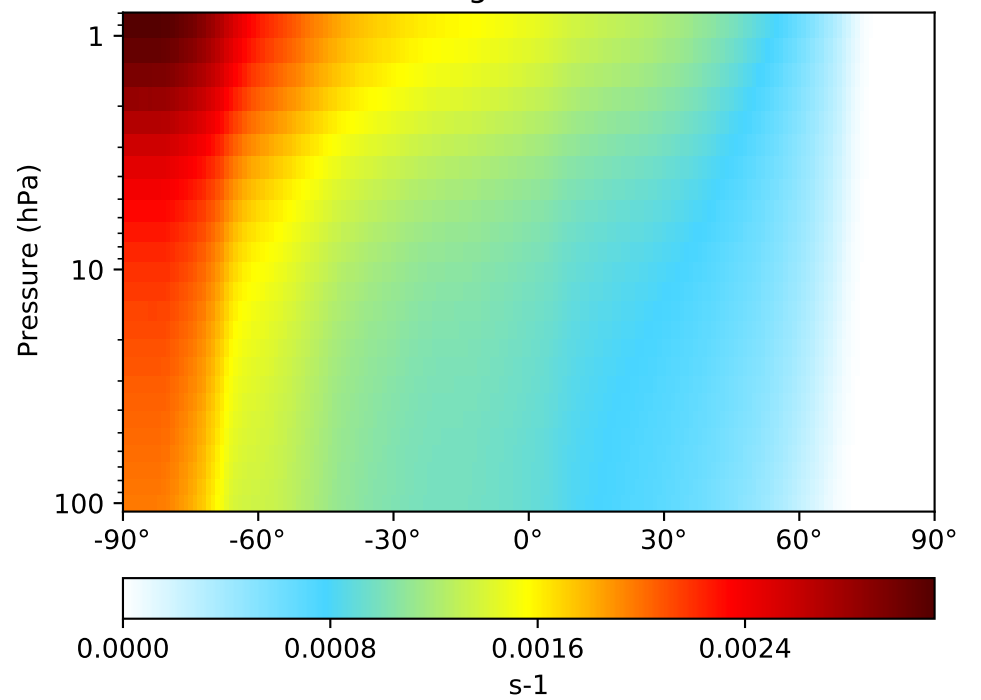


Jval_BrNO3, Zonal Mean (Jan2019)

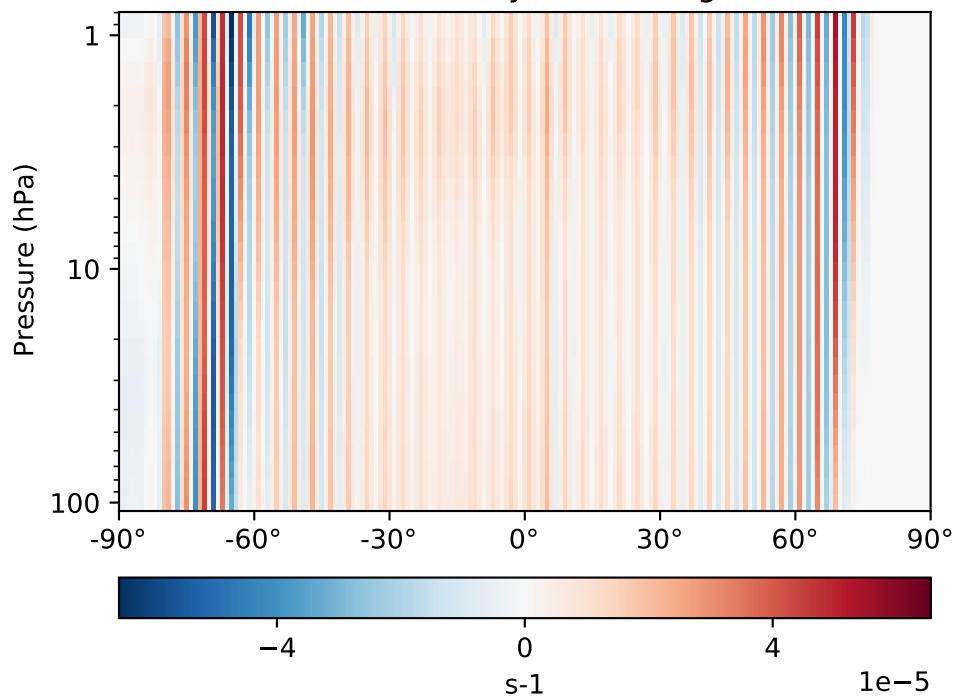
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



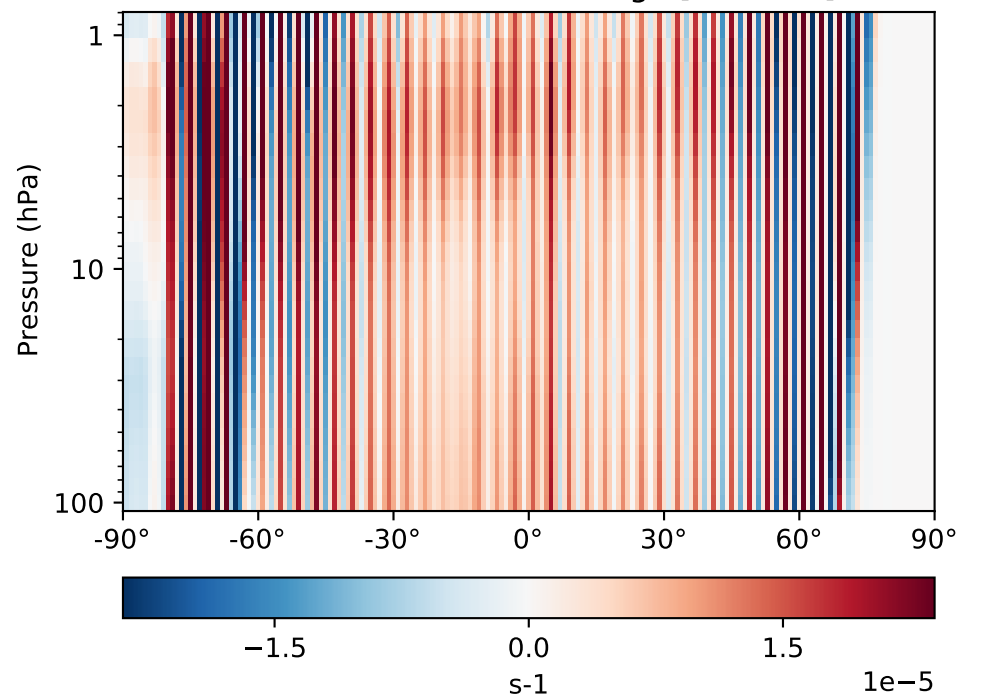
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



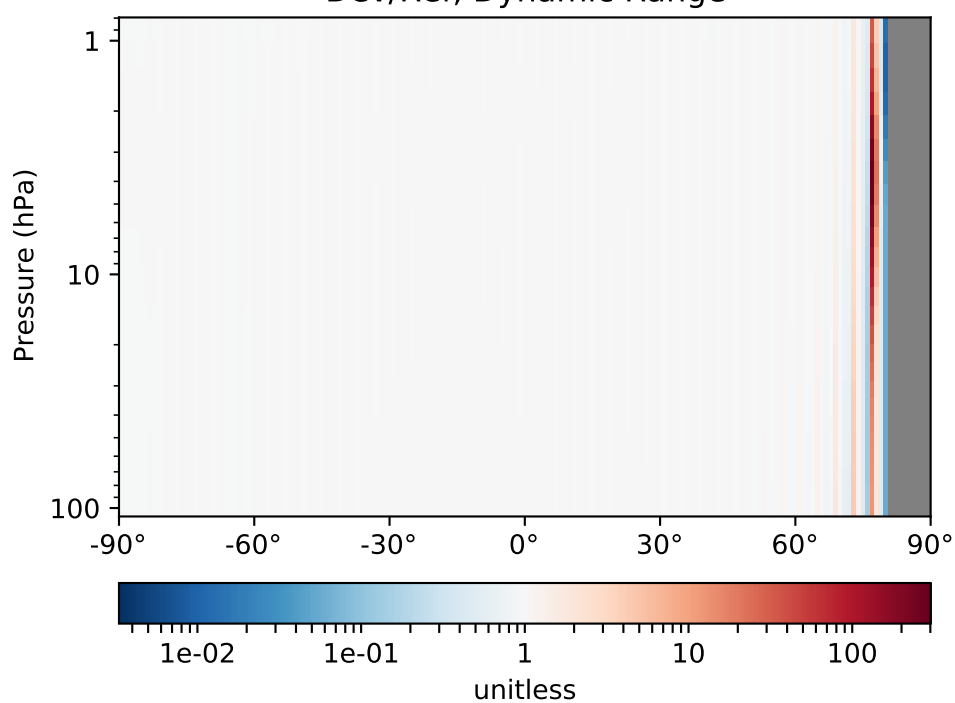
Difference (1x1.25)
Dev - Ref, Dynamic Range



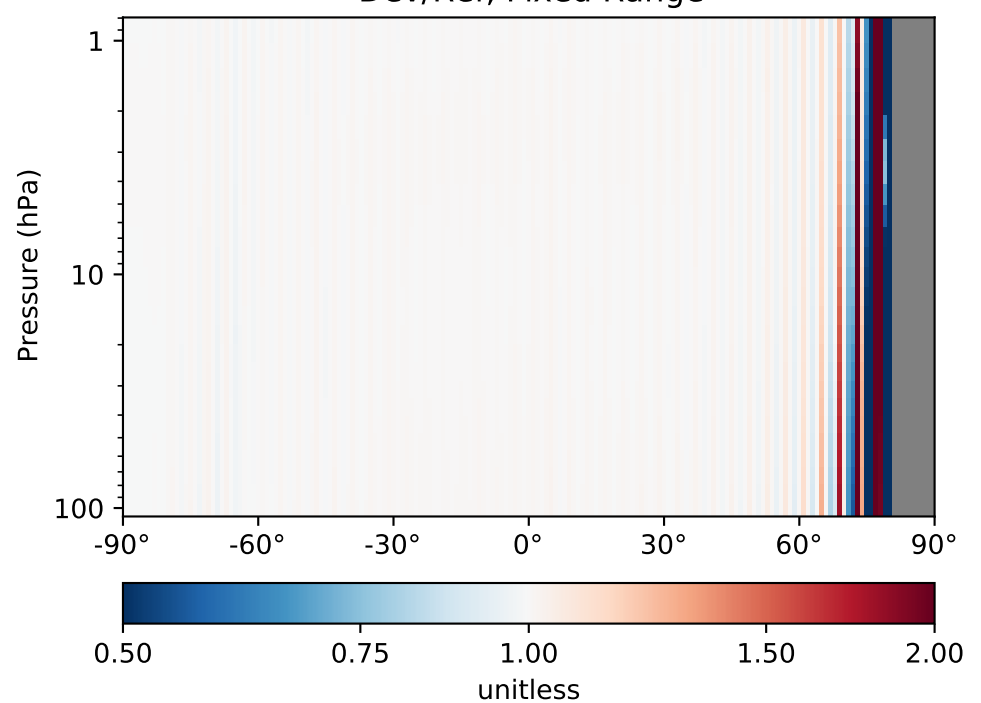
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

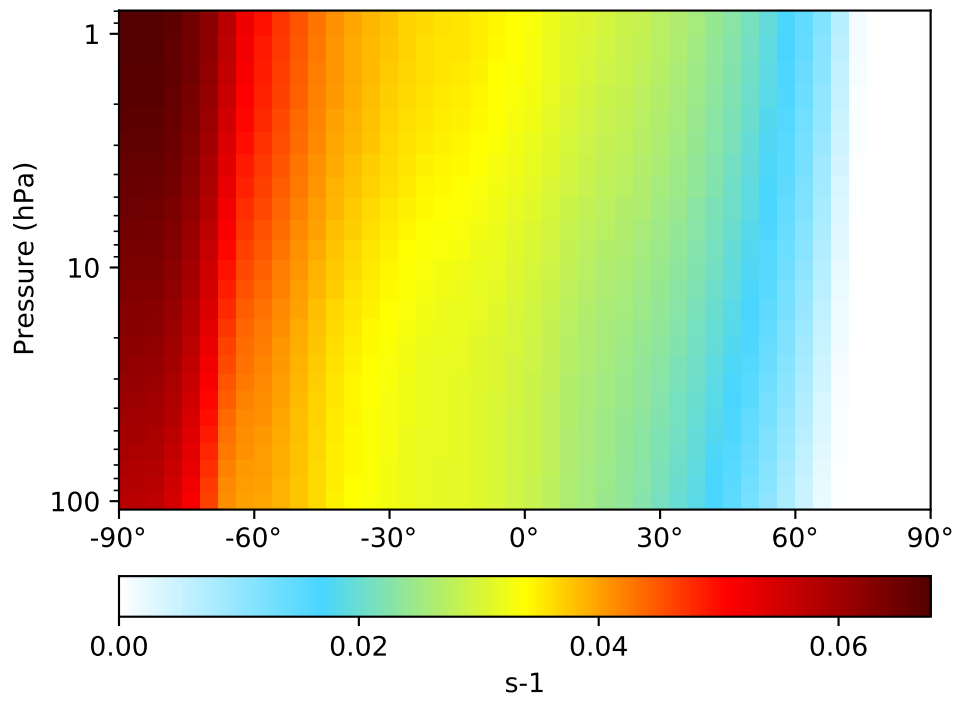


Ratio (1x1.25)
Dev/Ref, Fixed Range

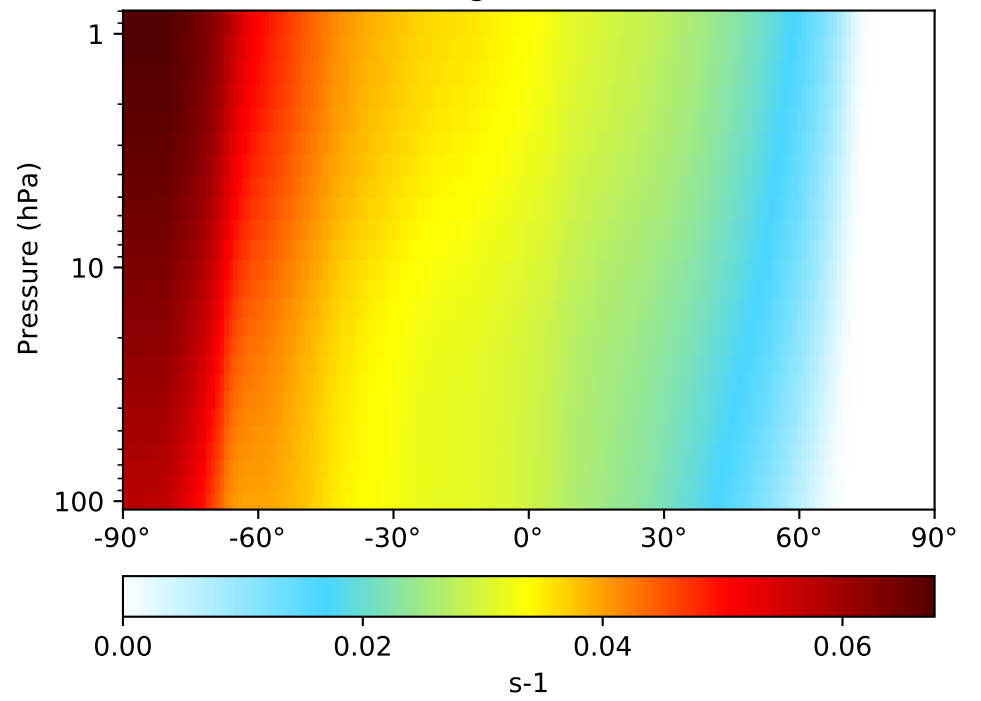


Jval_BrO, Zonal Mean (Jan2019)

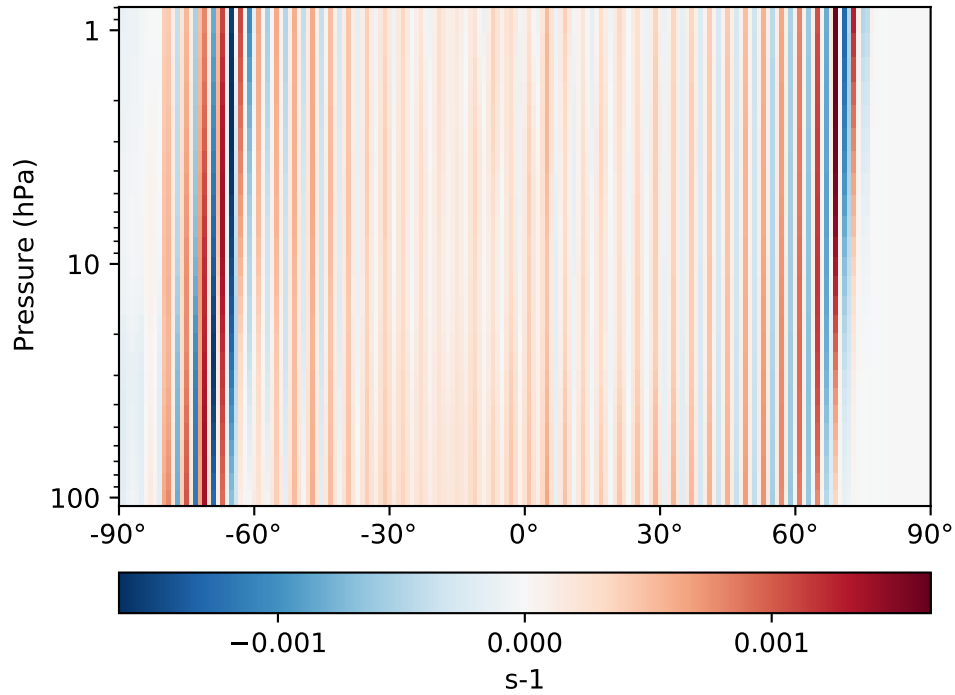
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



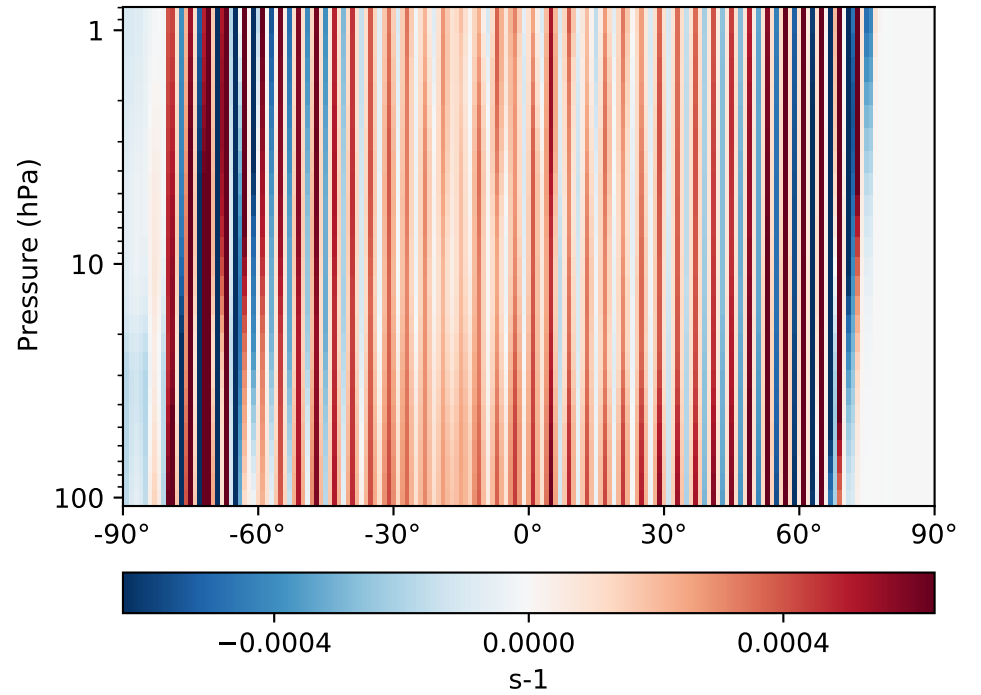
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



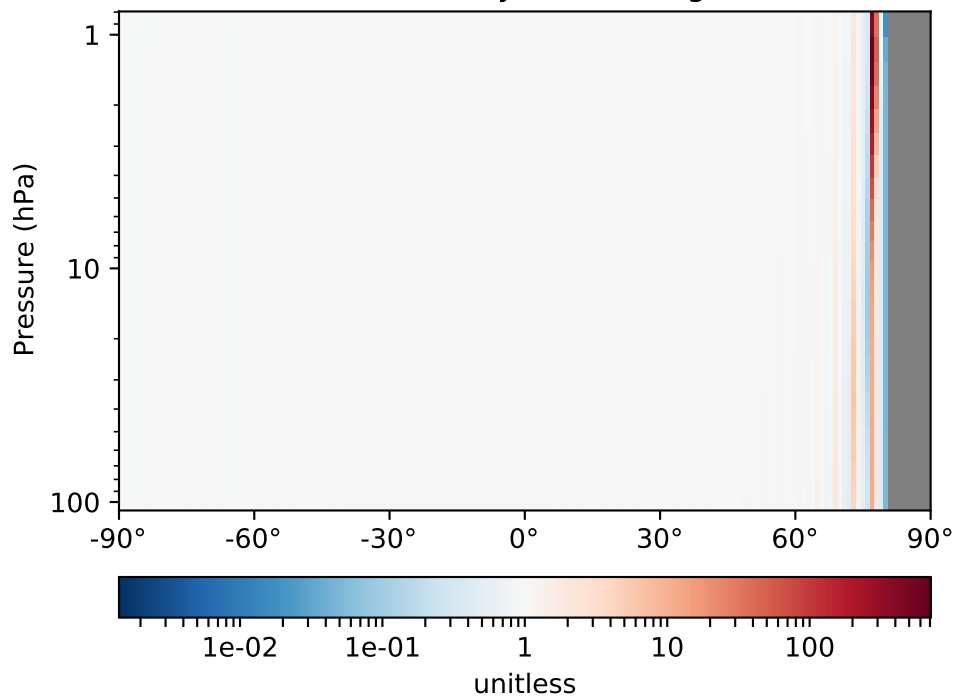
Difference (1x1.25)
Dev - Ref, Dynamic Range



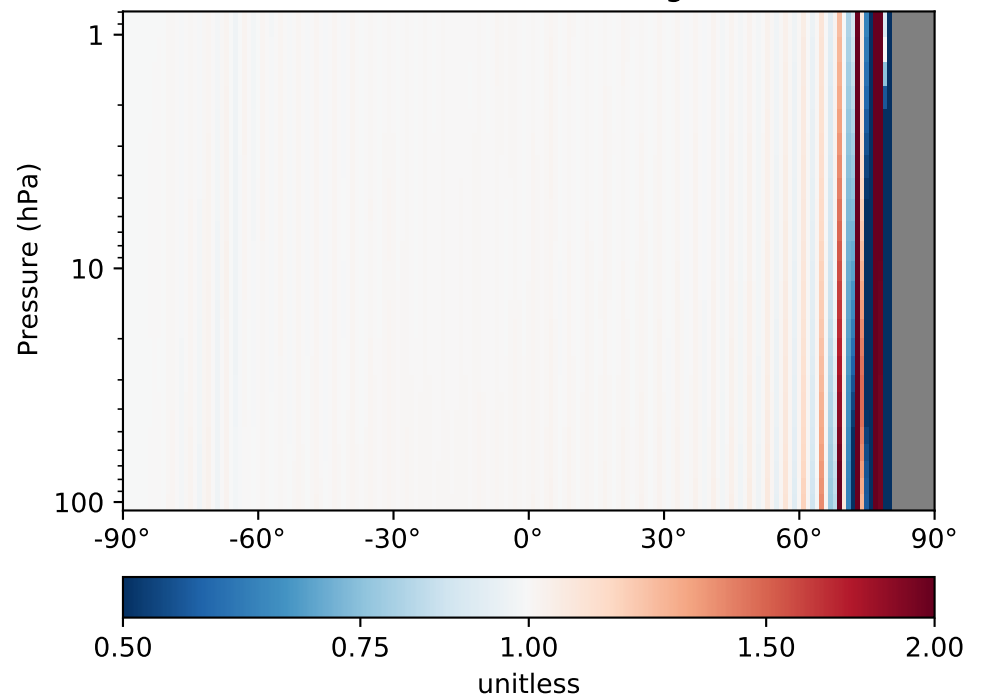
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

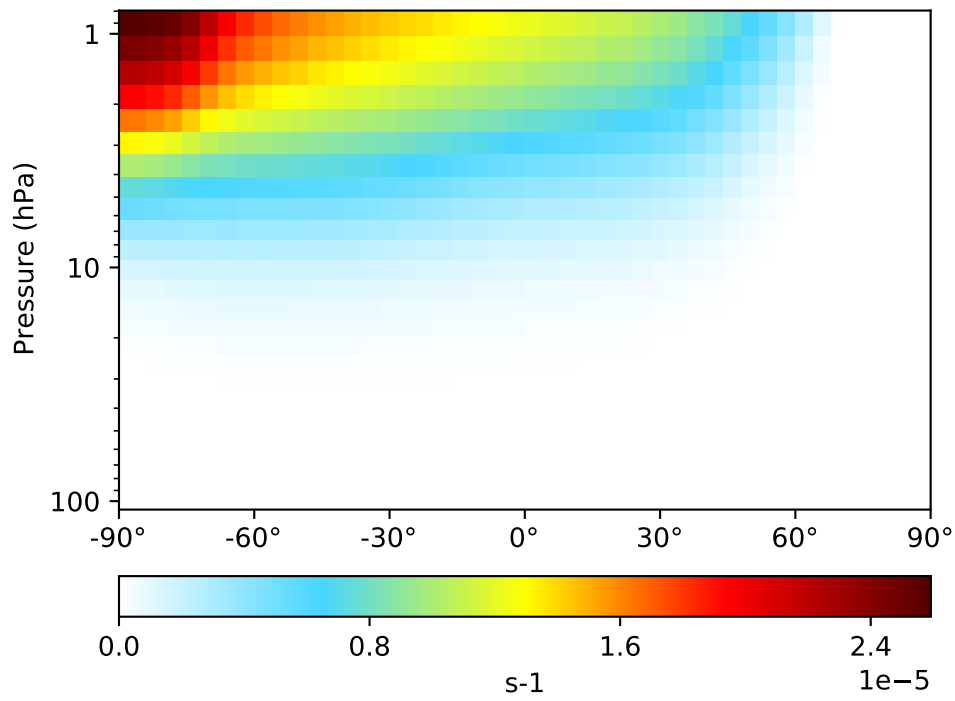


Ratio (1x1.25)
Dev/Ref, Fixed Range

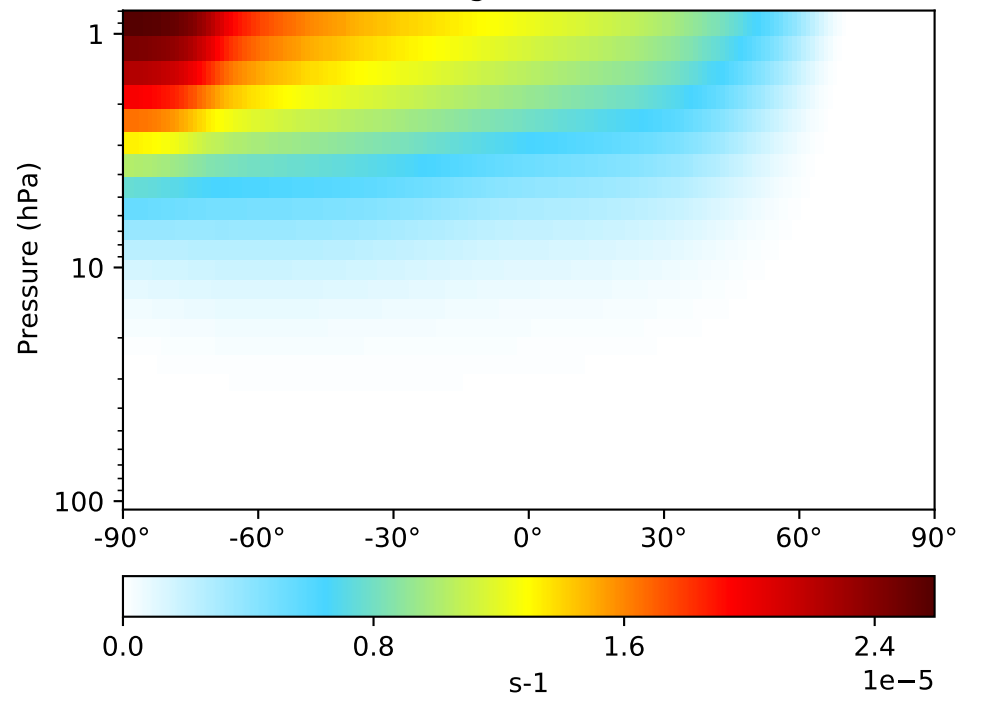


Jval_CCl4, Zonal Mean (Jan2019)

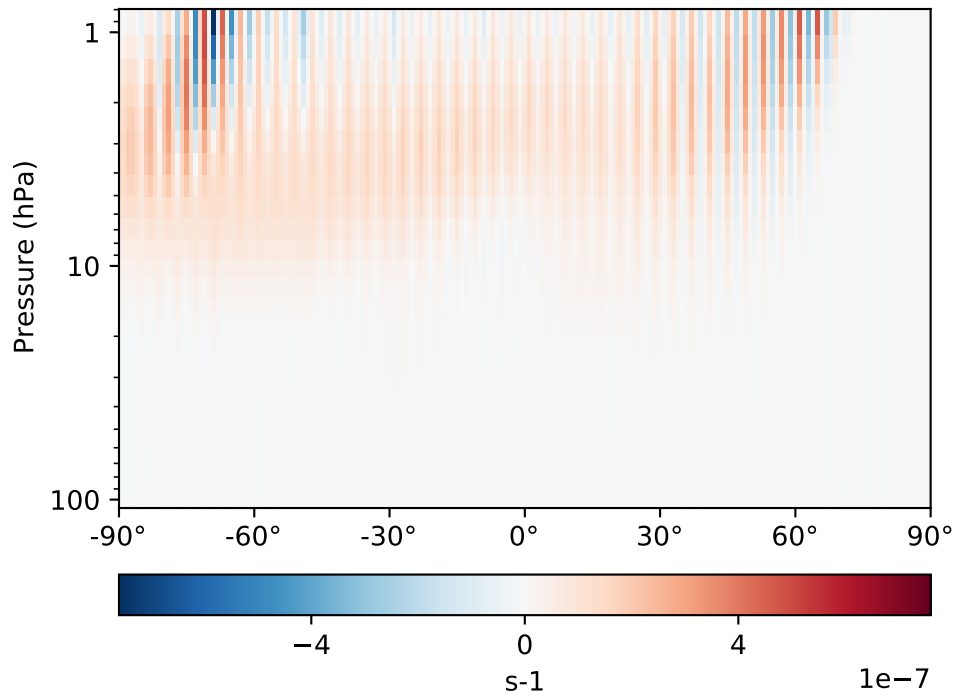
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



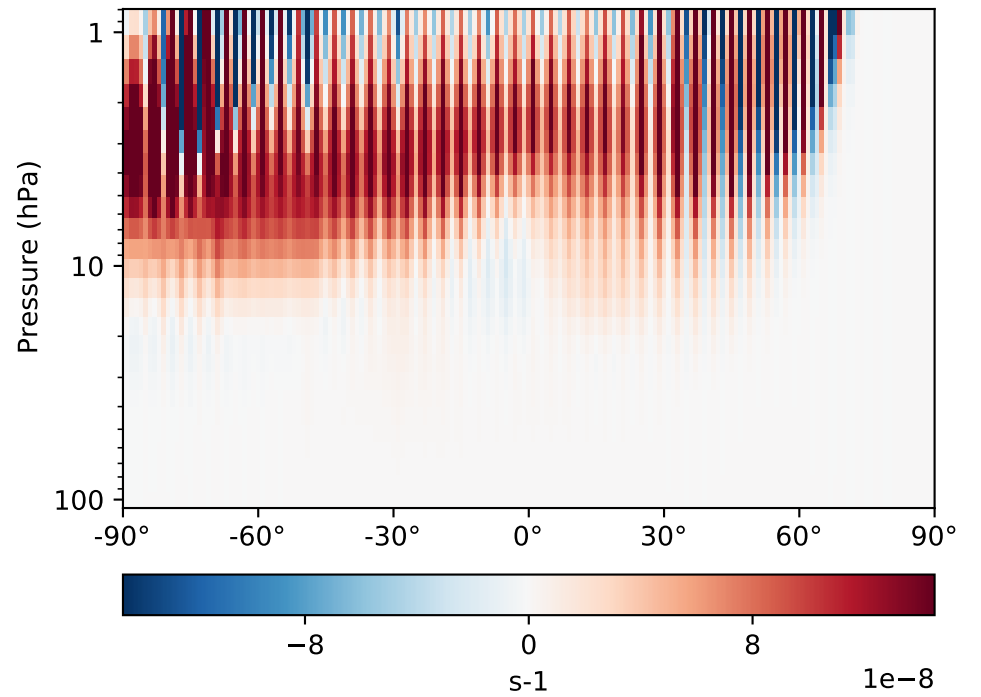
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



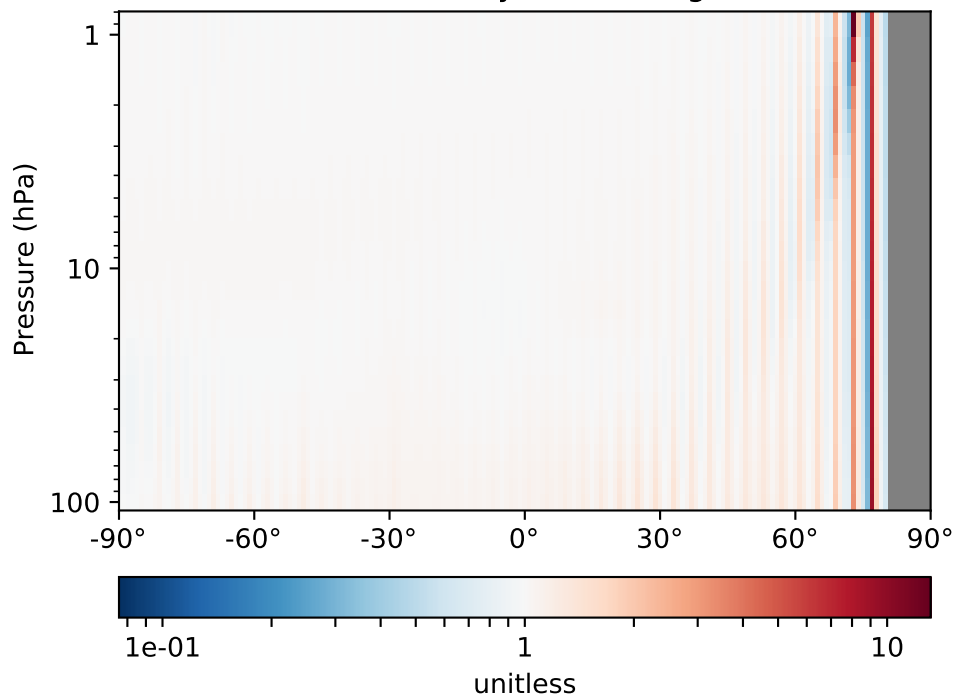
Difference (1x1.25)
Dev - Ref, Dynamic Range



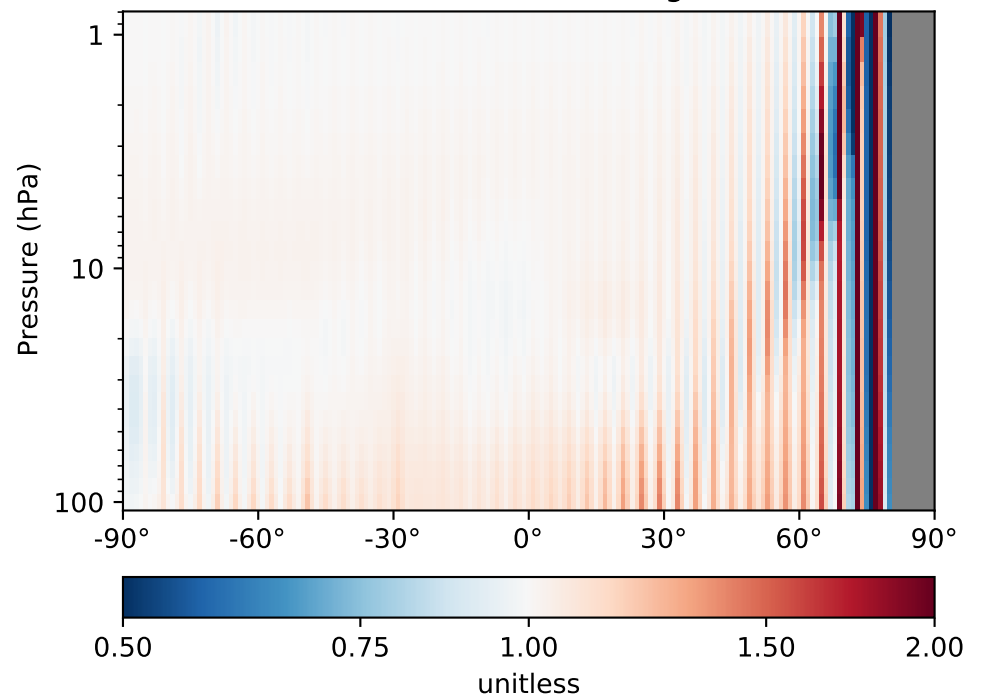
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

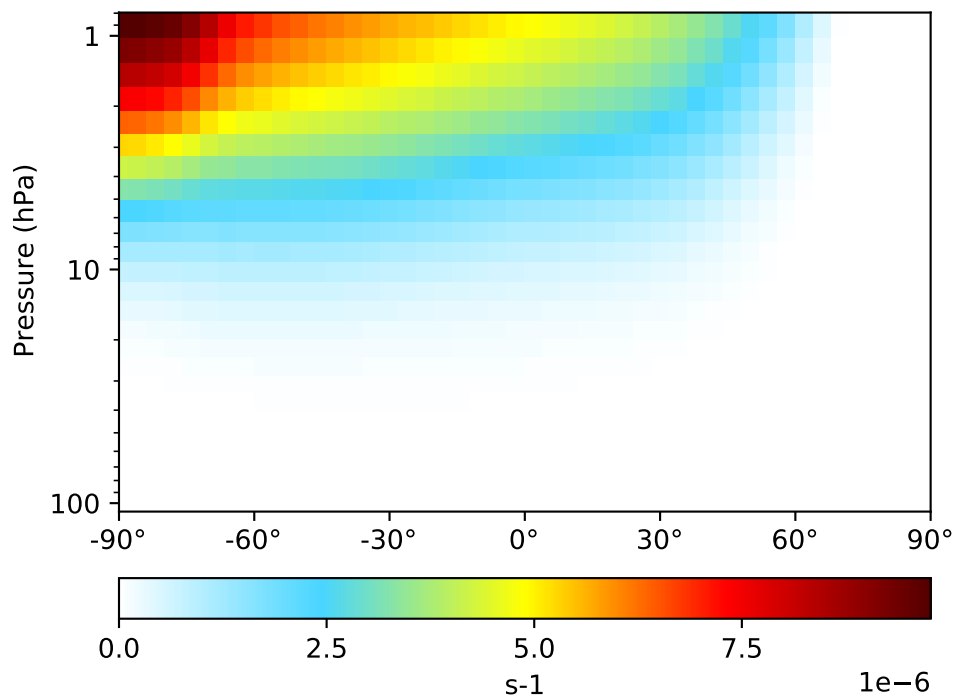


Ratio (1x1.25)
Dev/Ref, Fixed Range

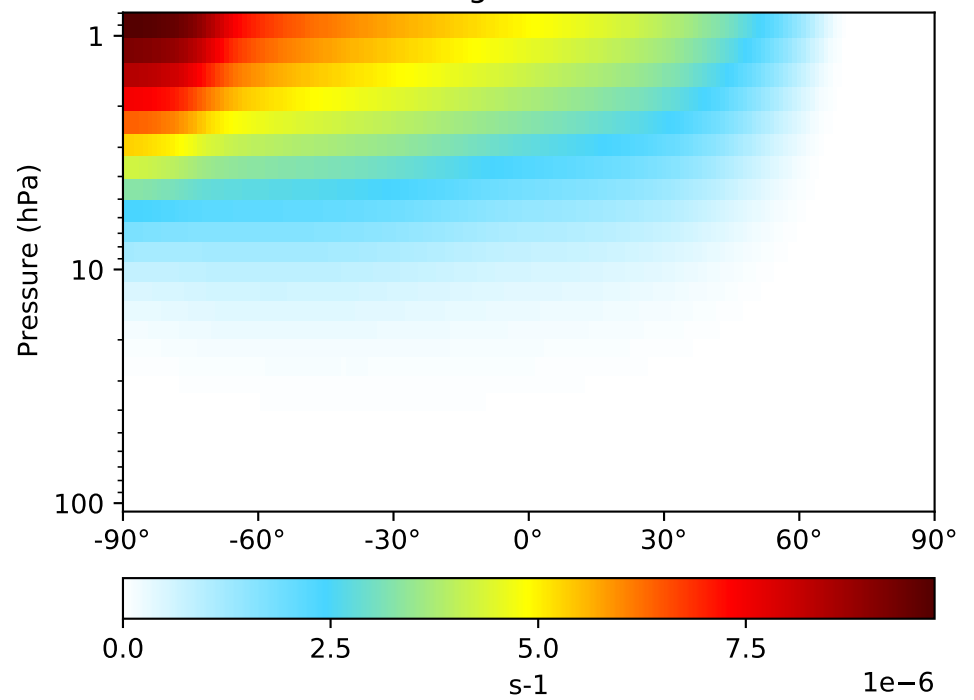


Jval_CFC11, Zonal Mean (Jan2019)

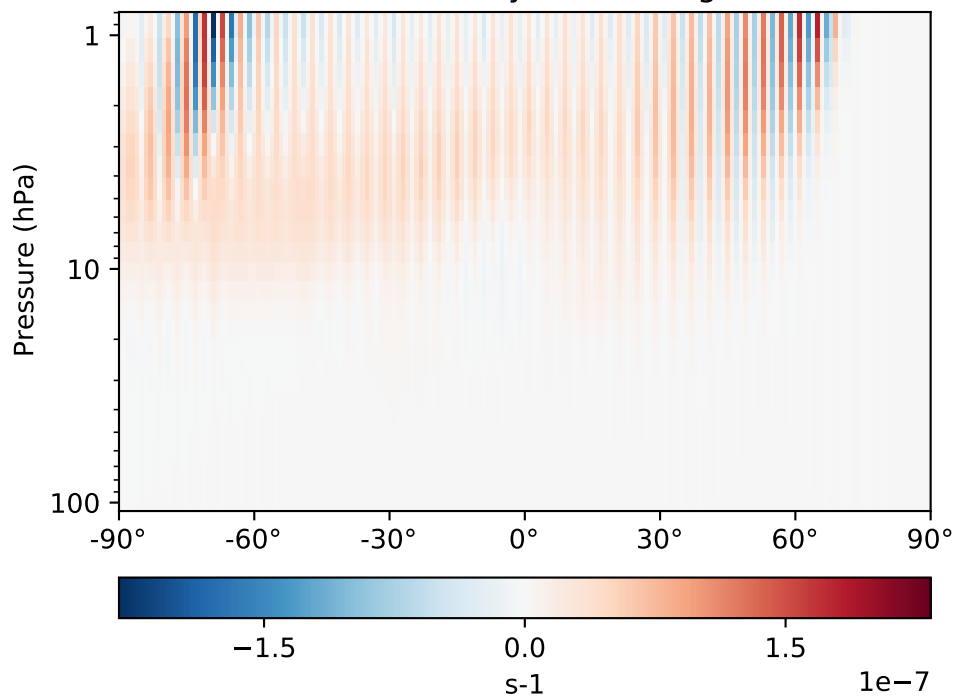
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



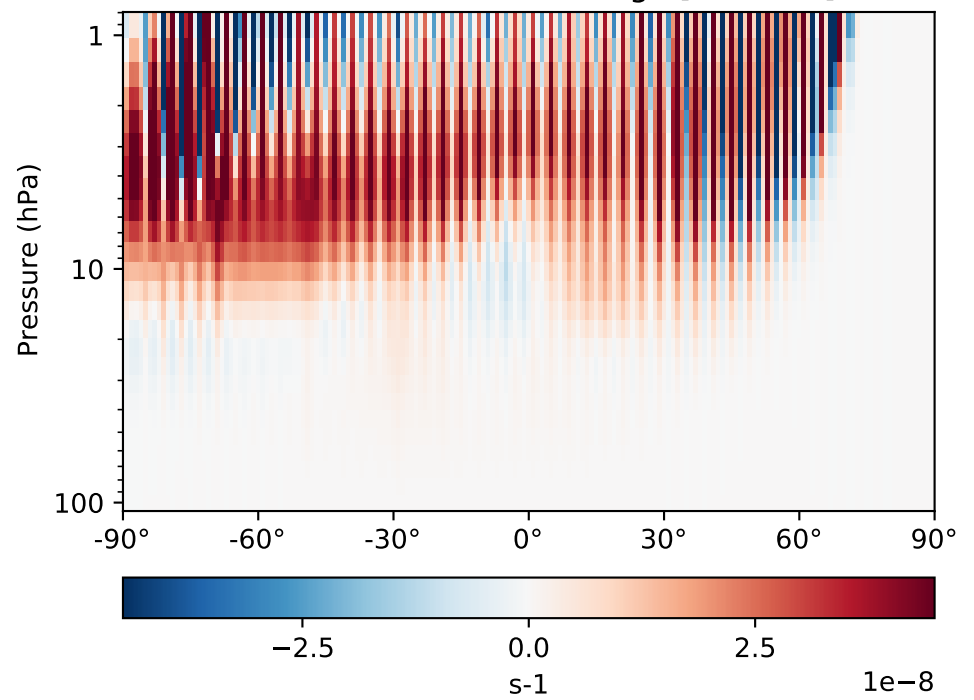
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regridged from c48



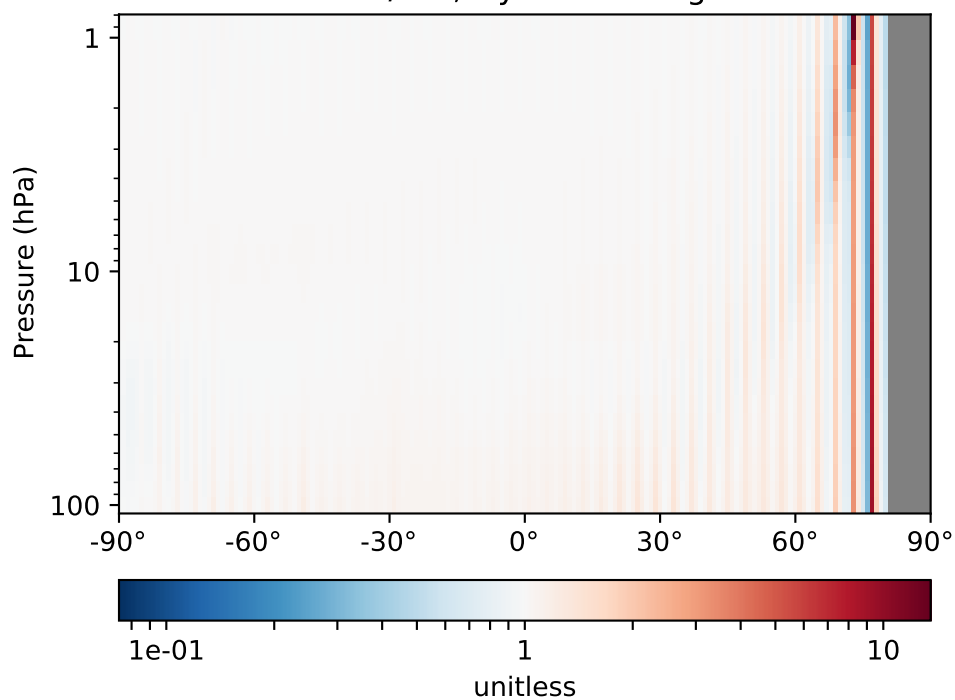
Difference (1x1.25)
Dev - Ref, Dynamic Range



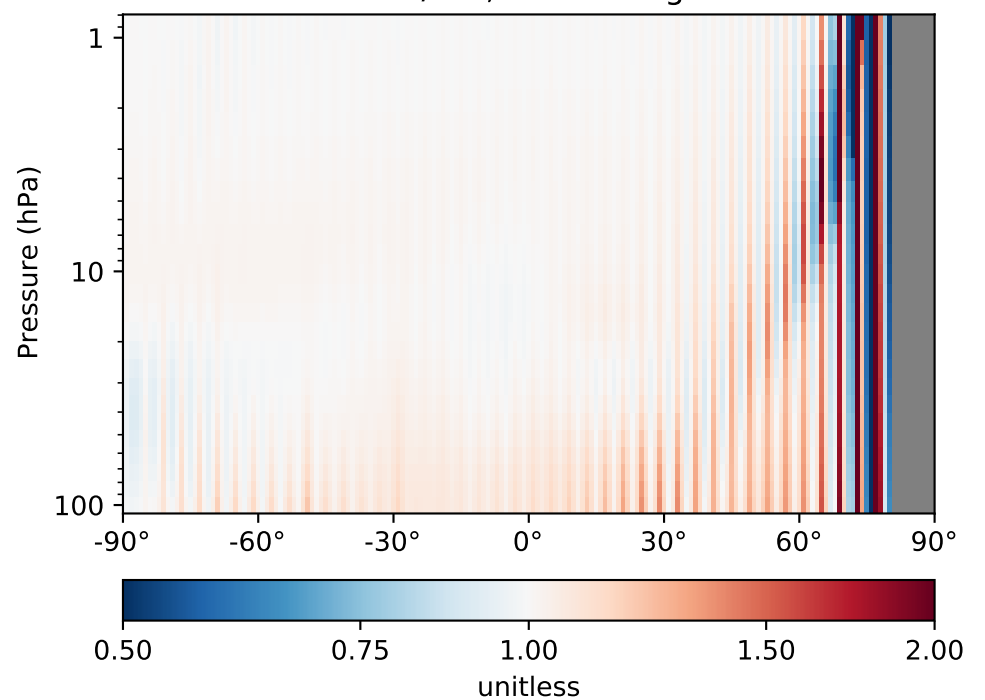
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

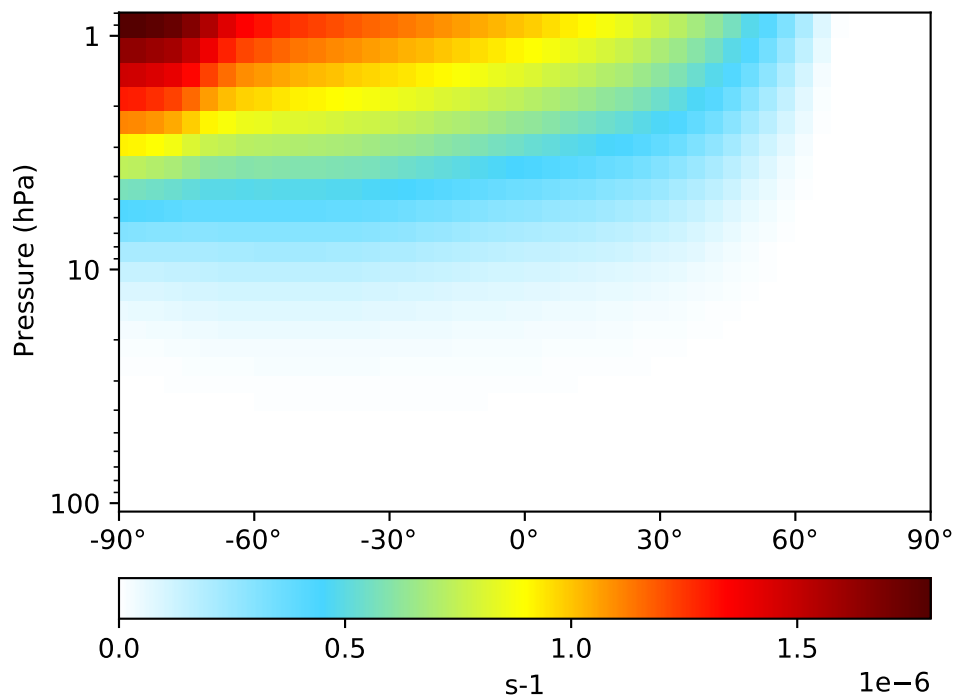


Ratio (1x1.25)
Dev/Ref, Fixed Range

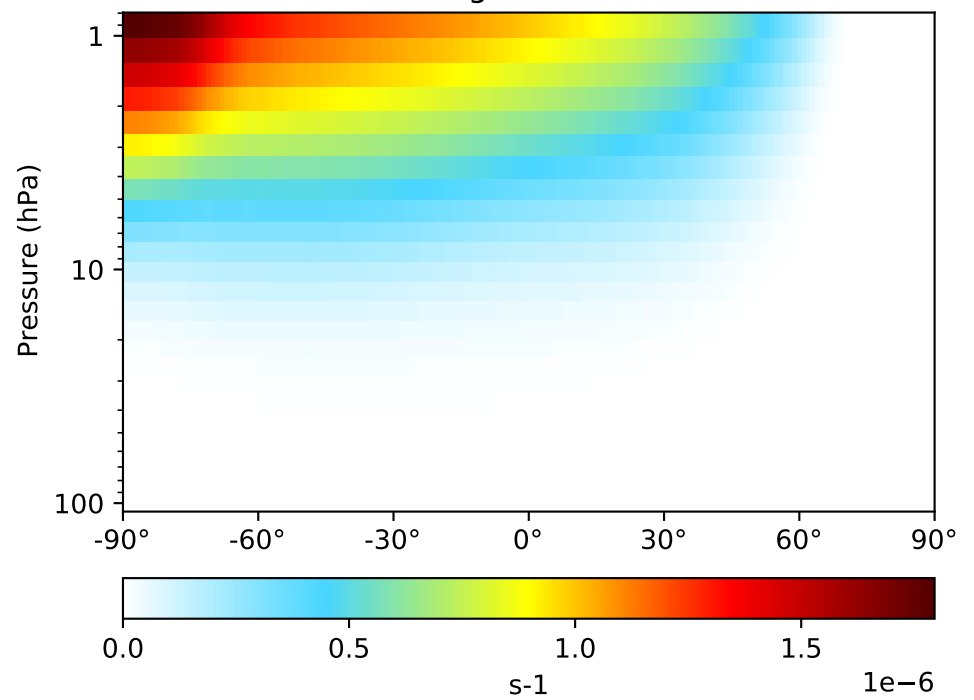


Jval_CFC113, Zonal Mean (Jan2019)

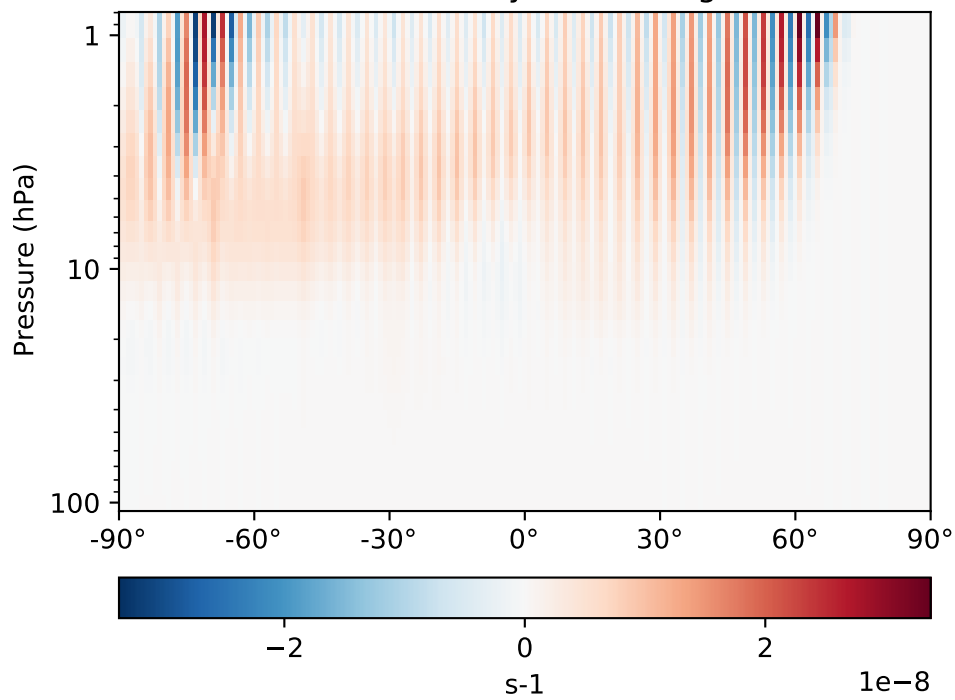
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



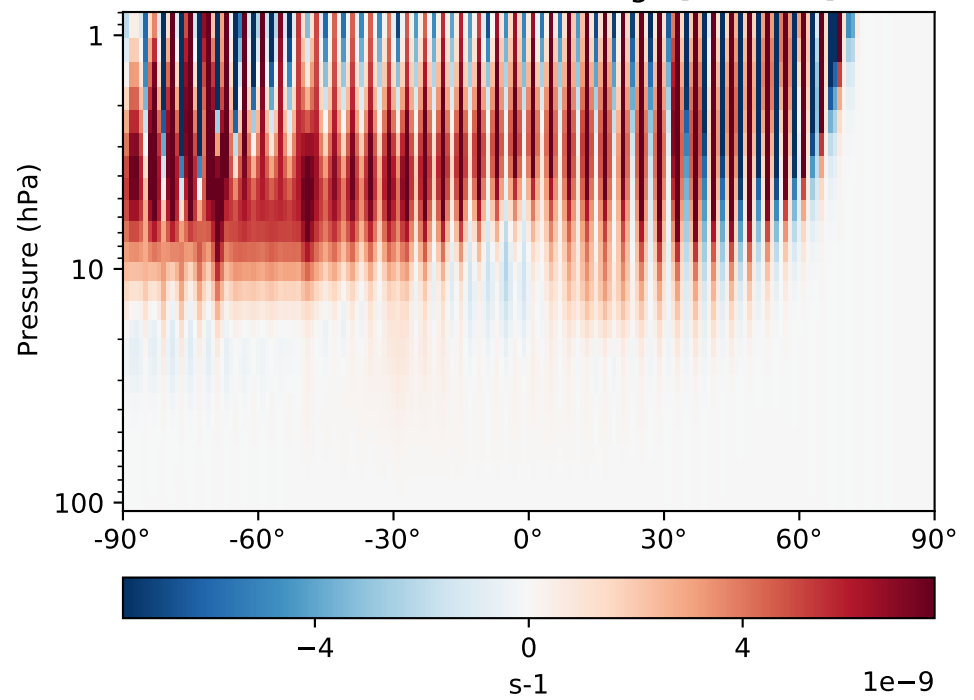
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



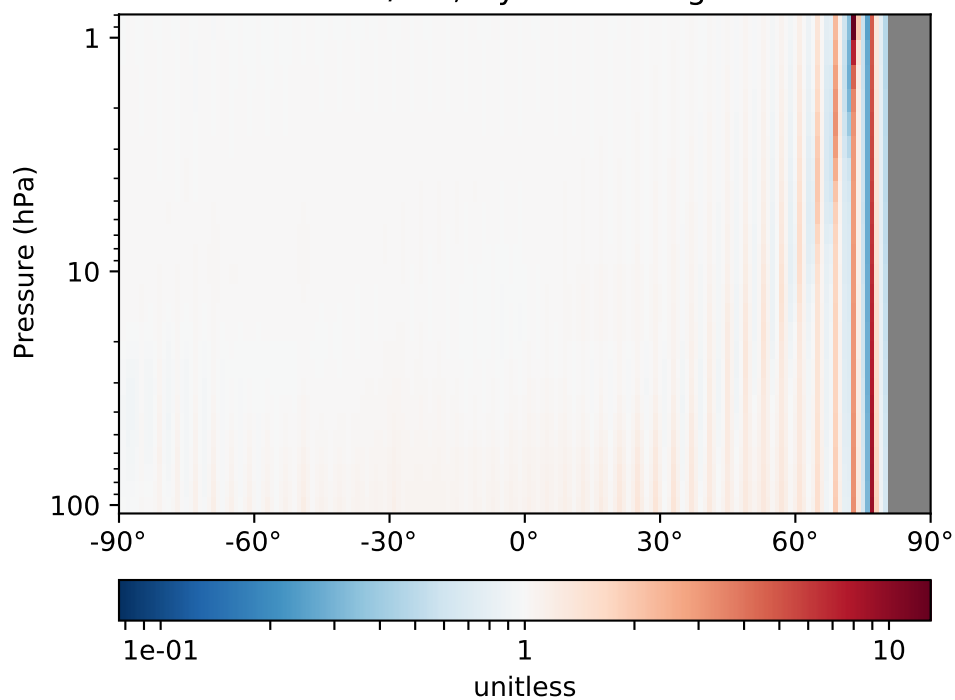
Difference (1x1.25)
Dev - Ref, Dynamic Range



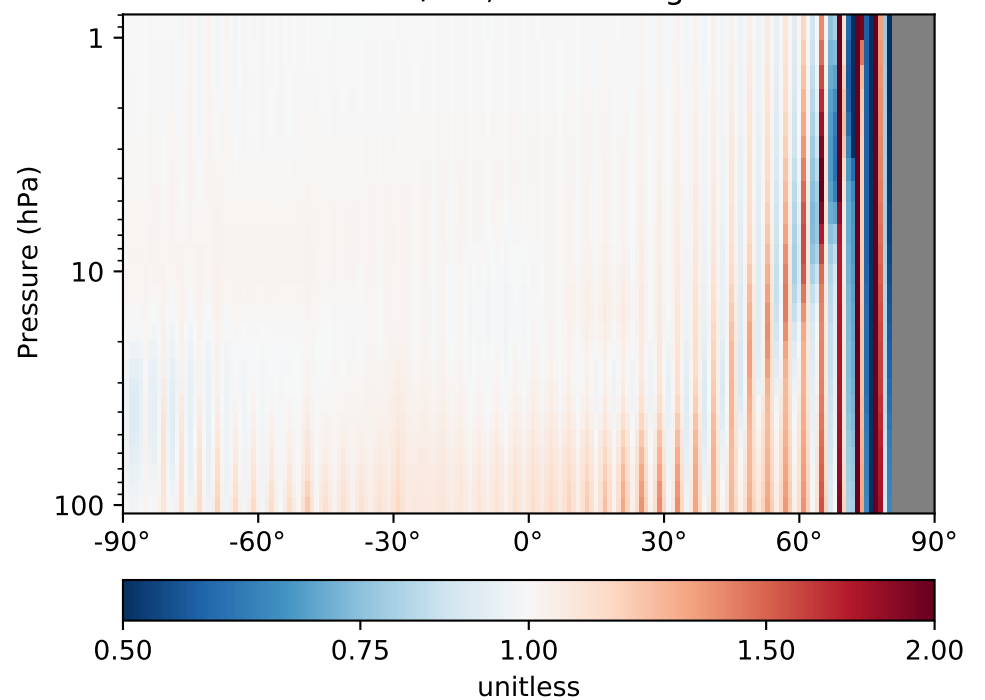
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

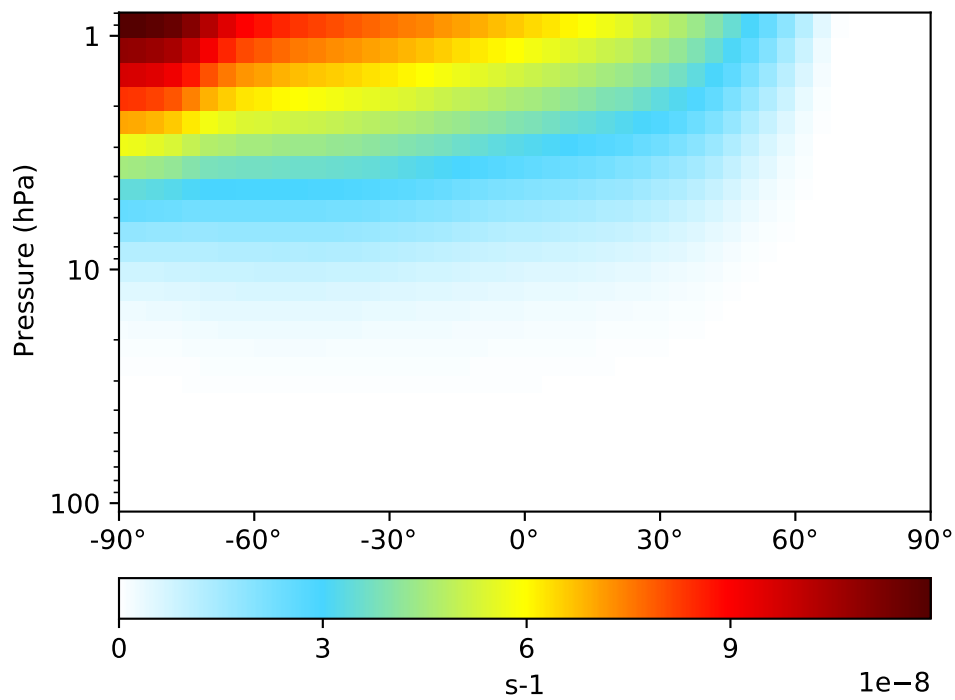


Ratio (1x1.25)
Dev/Ref, Fixed Range

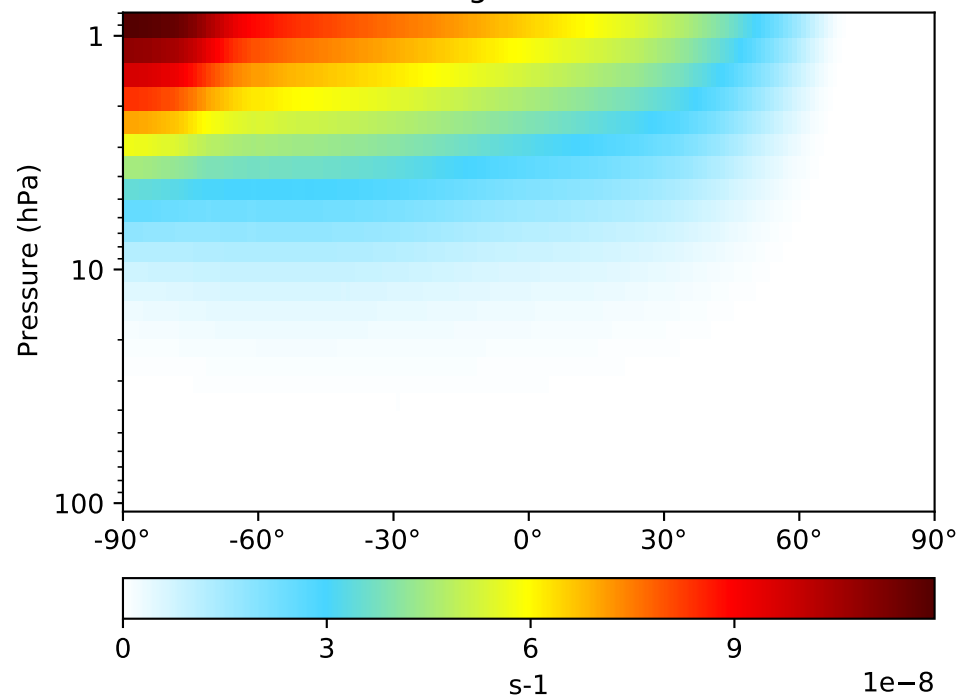


Jval_CFC114, Zonal Mean (Jan2019)

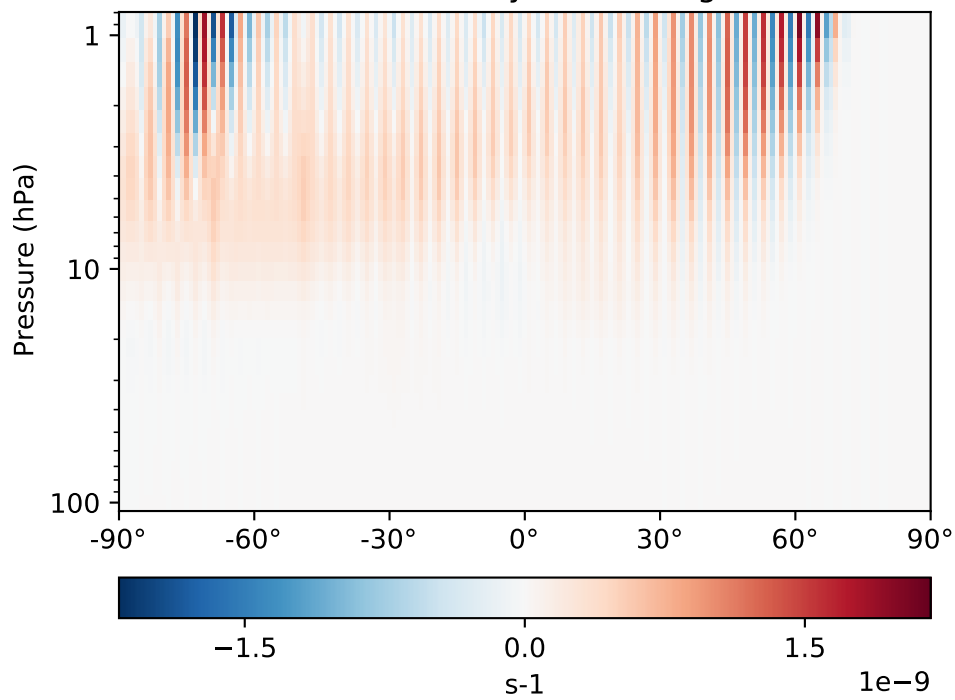
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



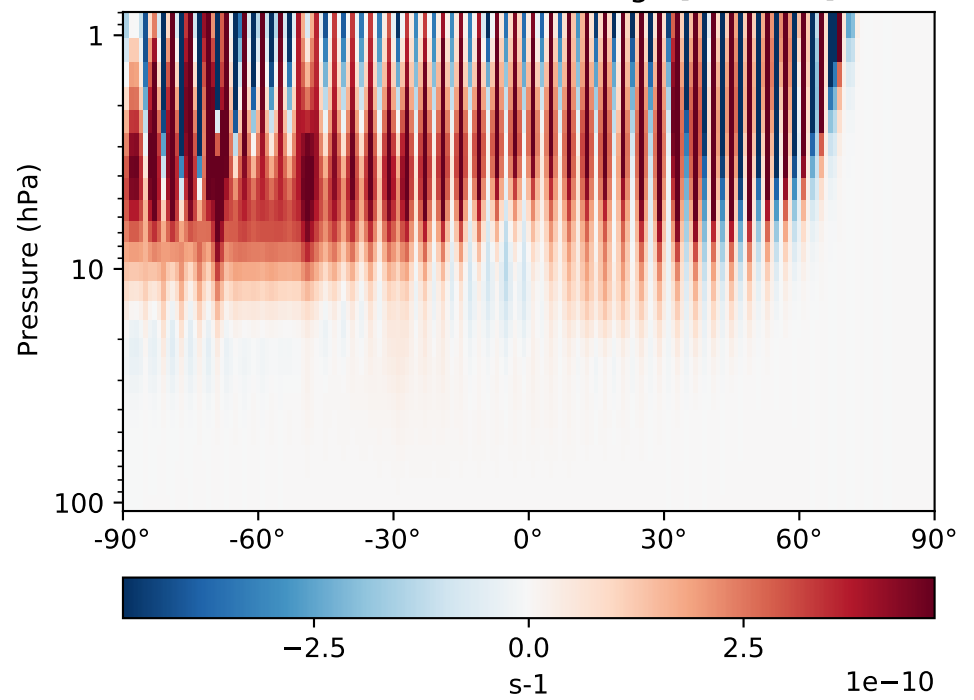
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regridged from c48



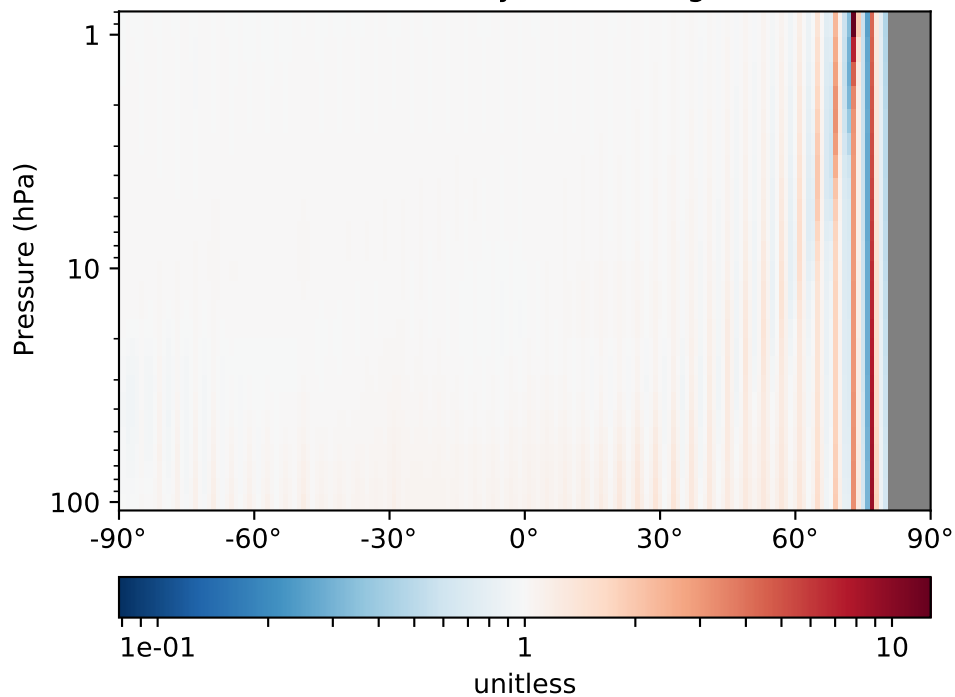
Difference (1x1.25)
Dev - Ref, Dynamic Range



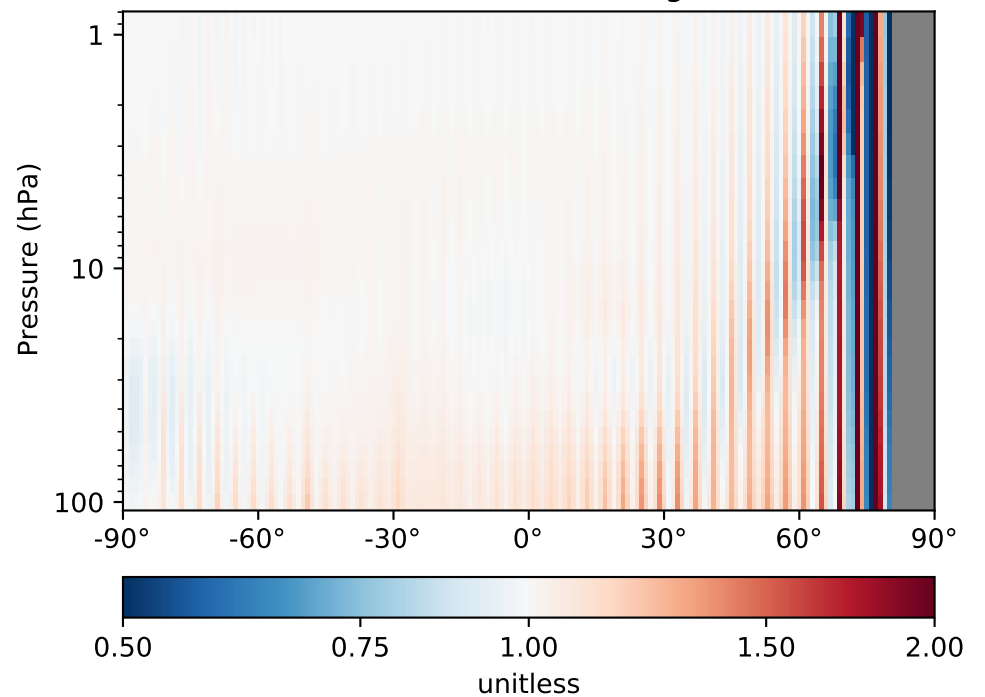
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

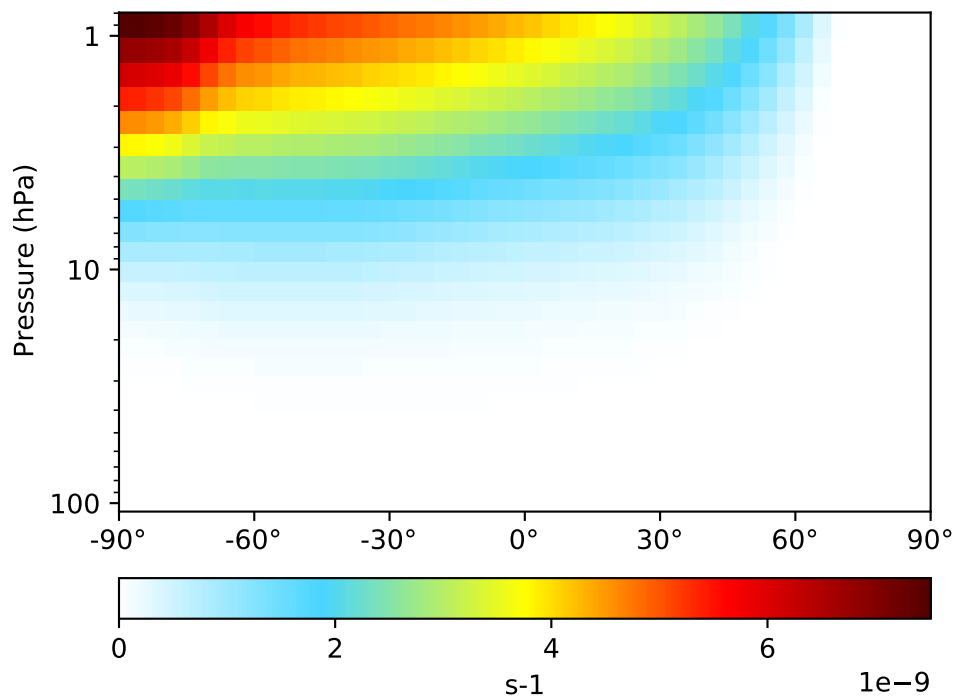


Ratio (1x1.25)
Dev/Ref, Fixed Range

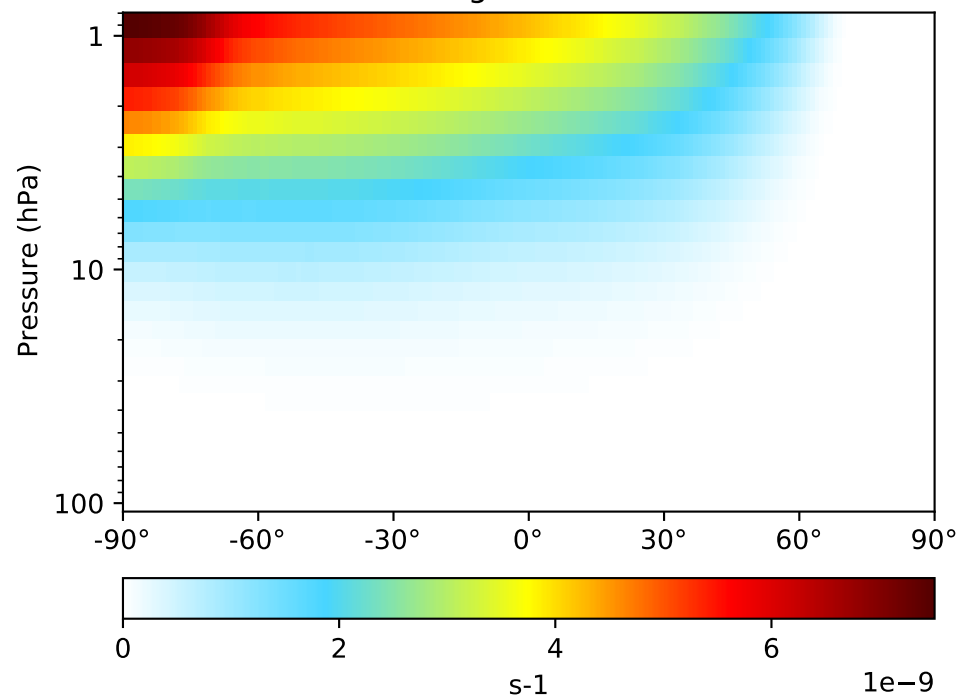


Jval_CFC115, Zonal Mean (Jan2019)

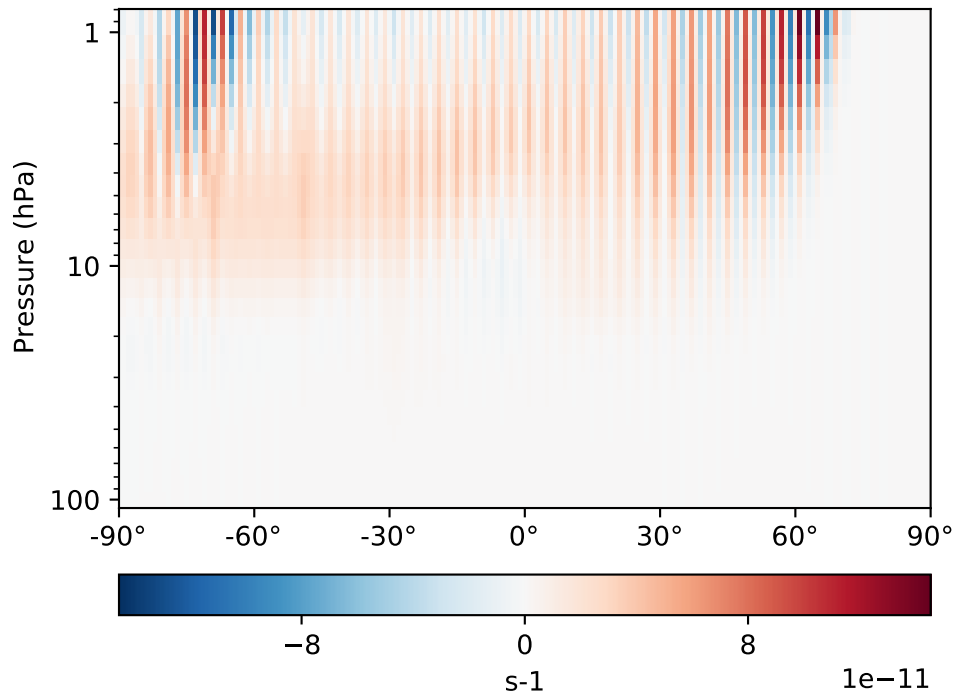
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



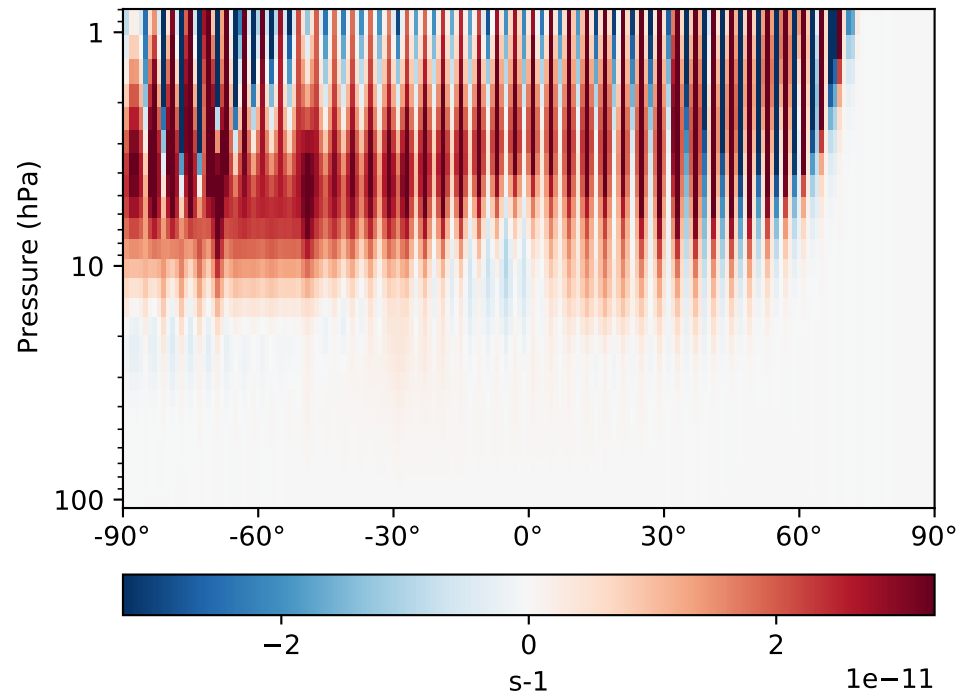
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



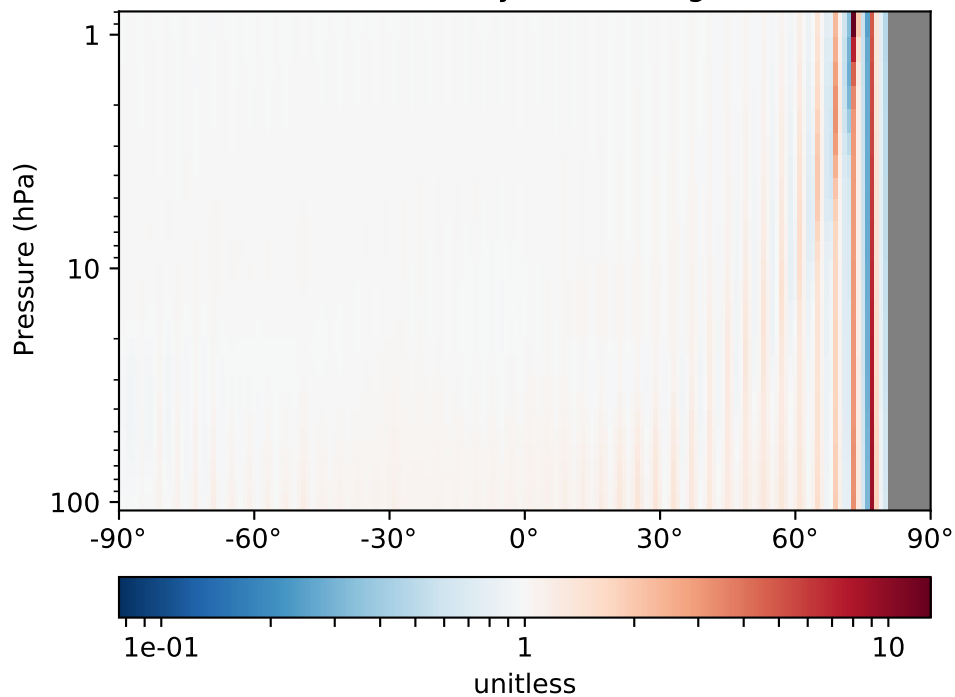
Difference (1x1.25)
Dev - Ref, Dynamic Range



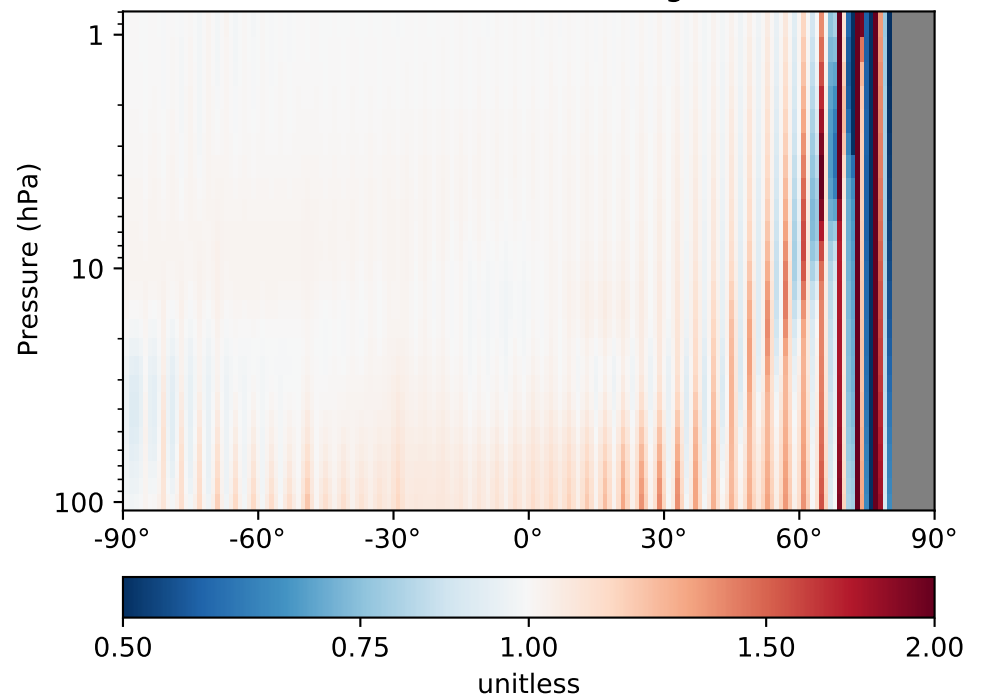
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

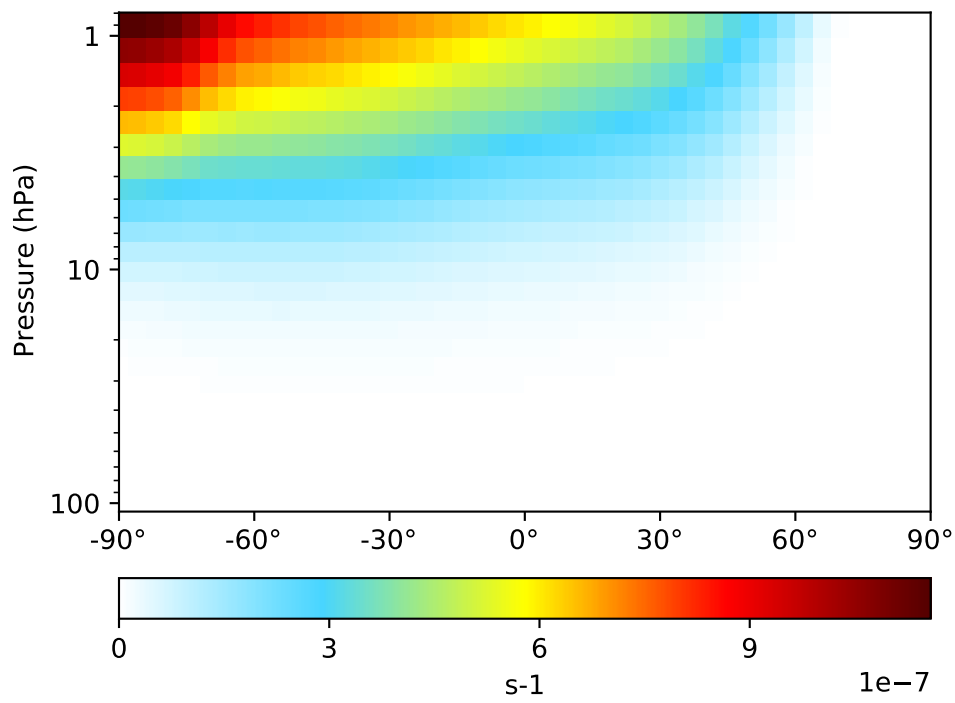


Ratio (1x1.25)
Dev/Ref, Fixed Range

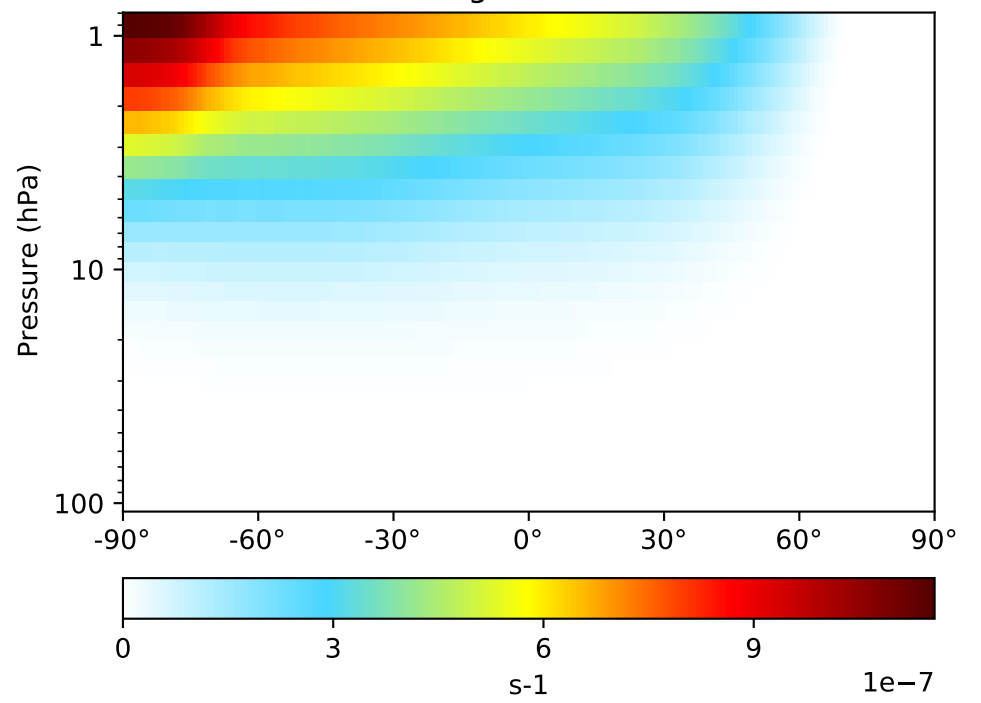


Jval_CFC12, Zonal Mean (Jan2019)

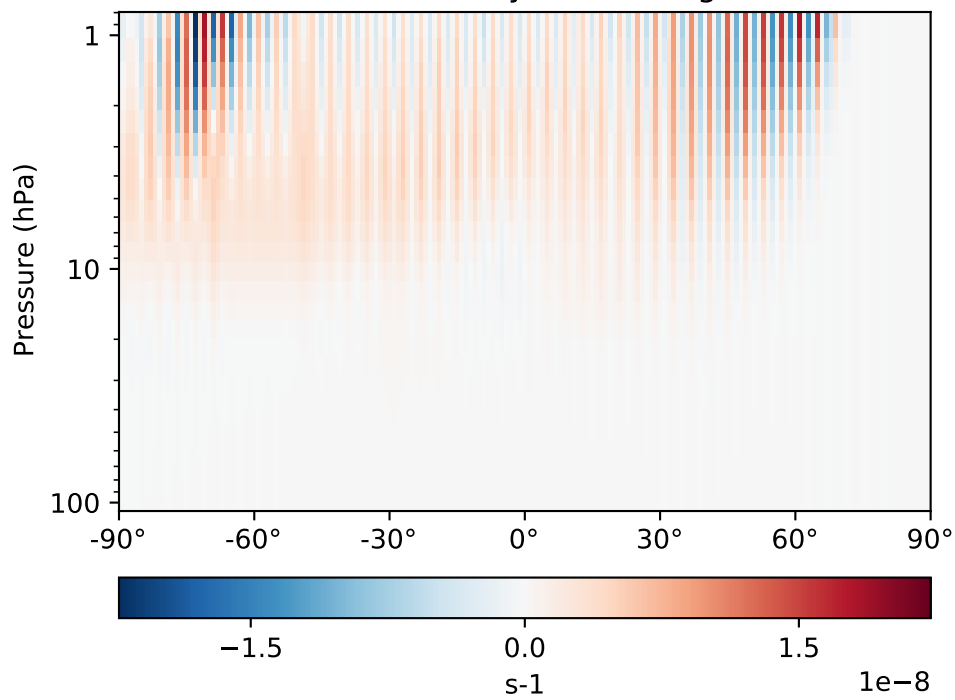
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



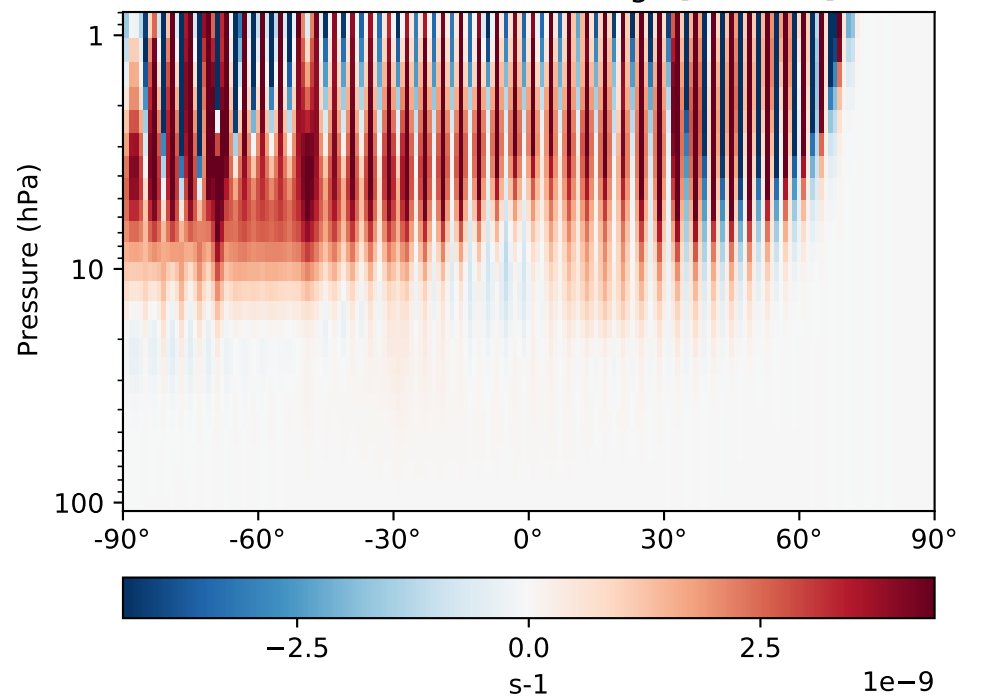
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



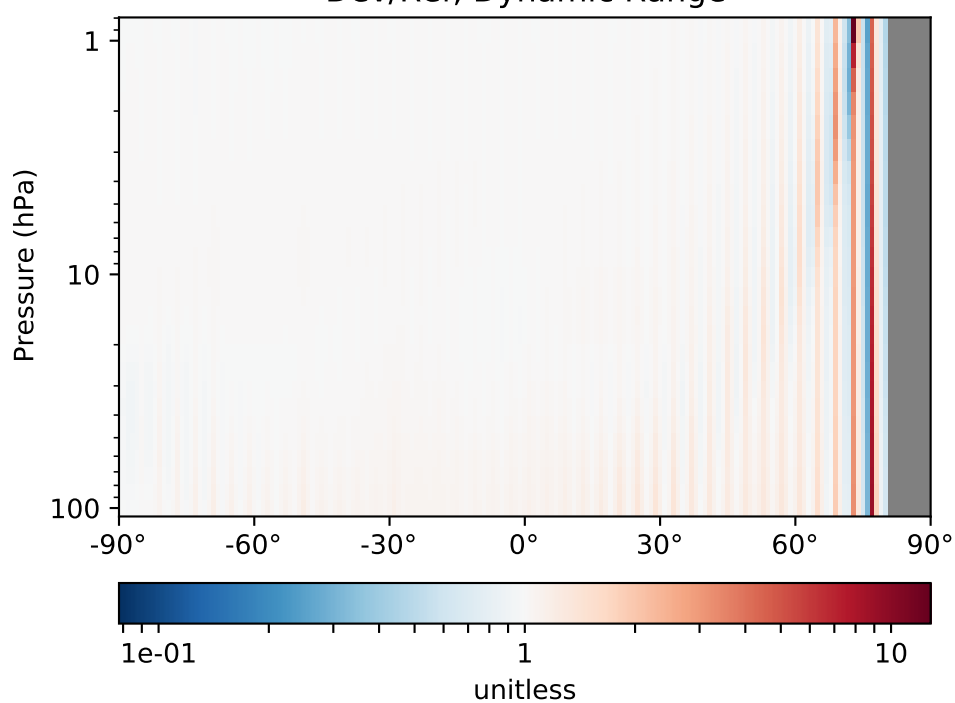
Difference (1x1.25)
Dev - Ref, Dynamic Range



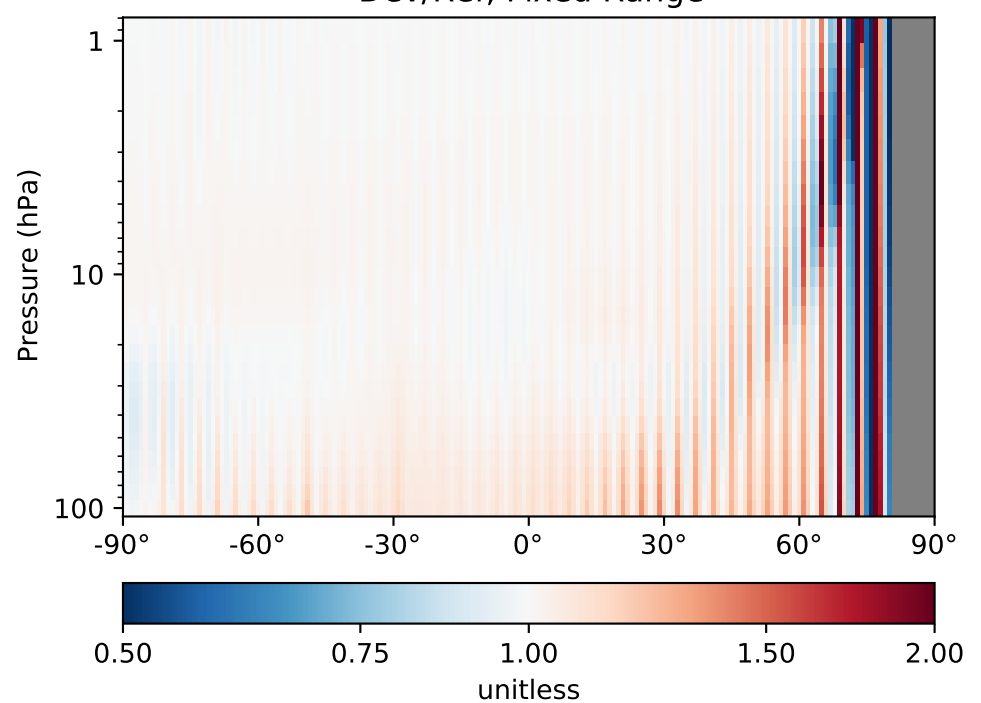
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

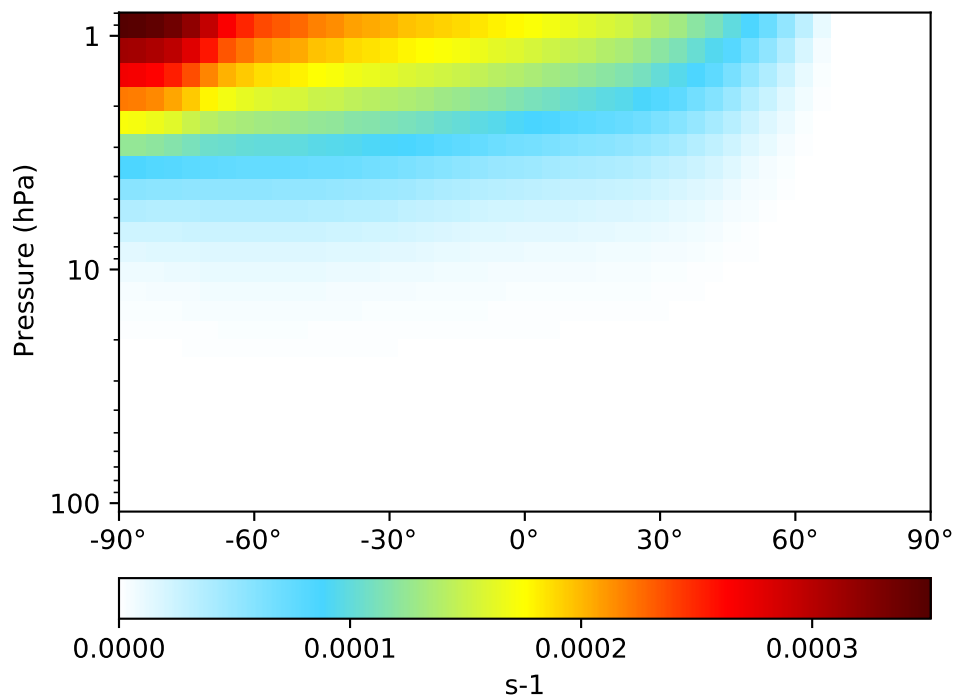


Ratio (1x1.25)
Dev/Ref, Fixed Range

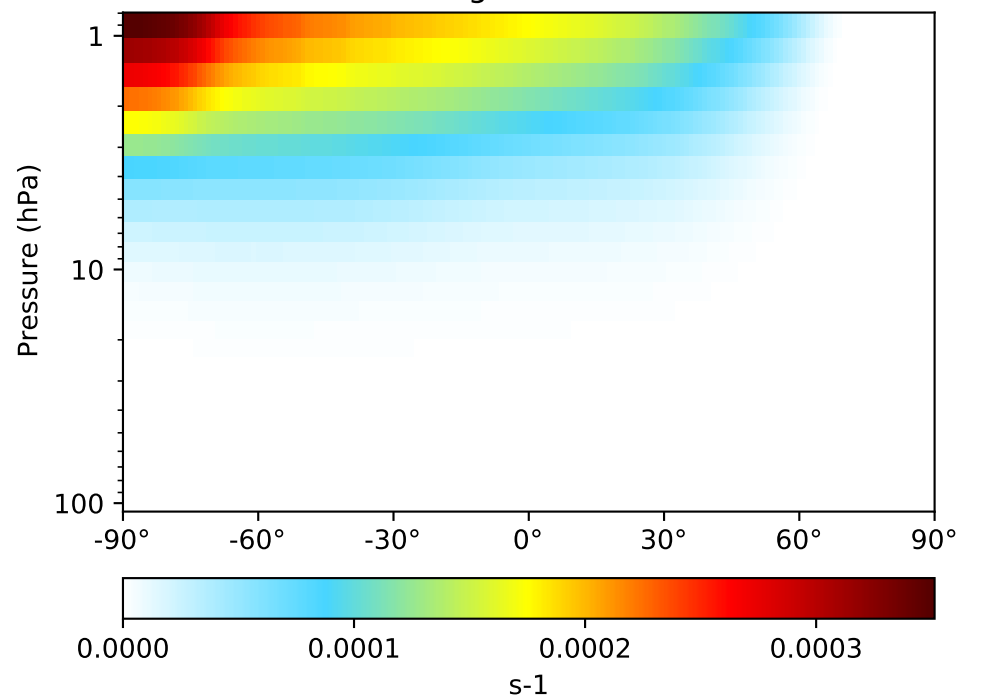


Jval_CH2Br2, Zonal Mean (Jan2019)

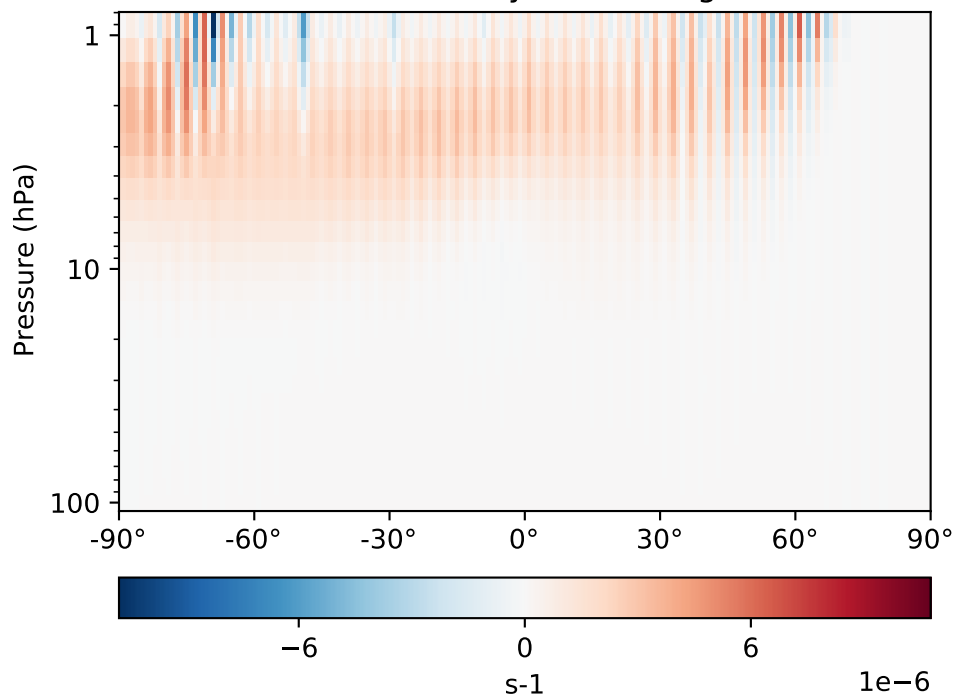
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



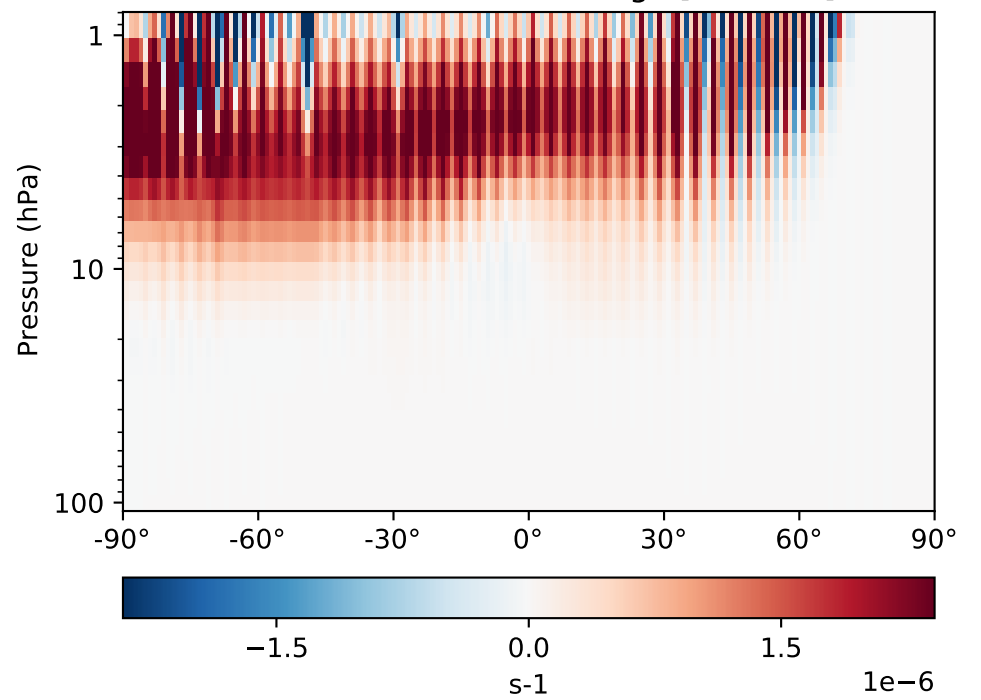
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



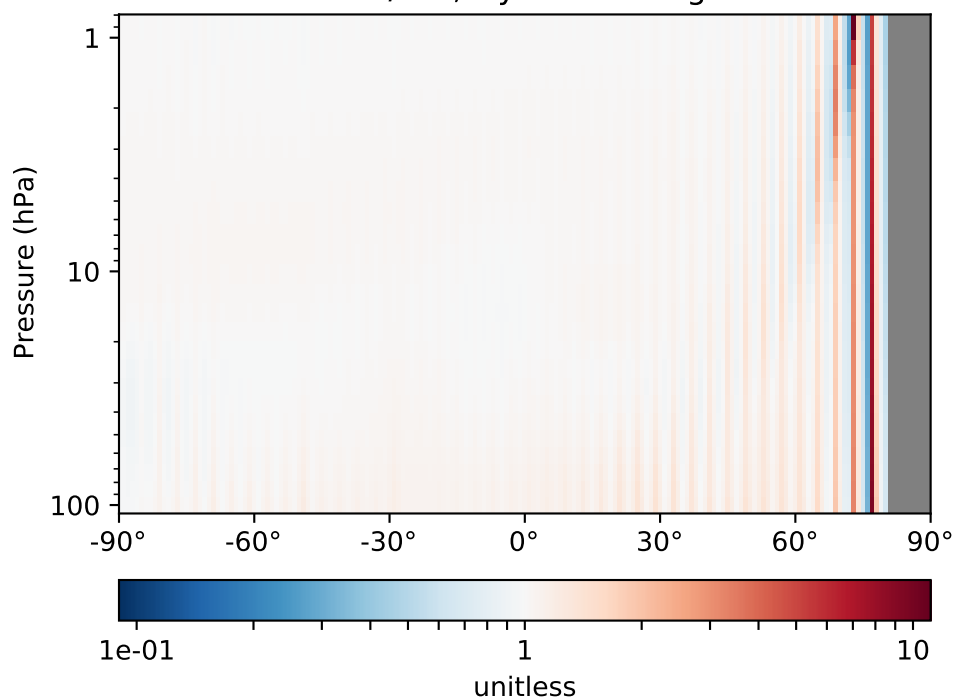
Difference (1x1.25)
Dev - Ref, Dynamic Range



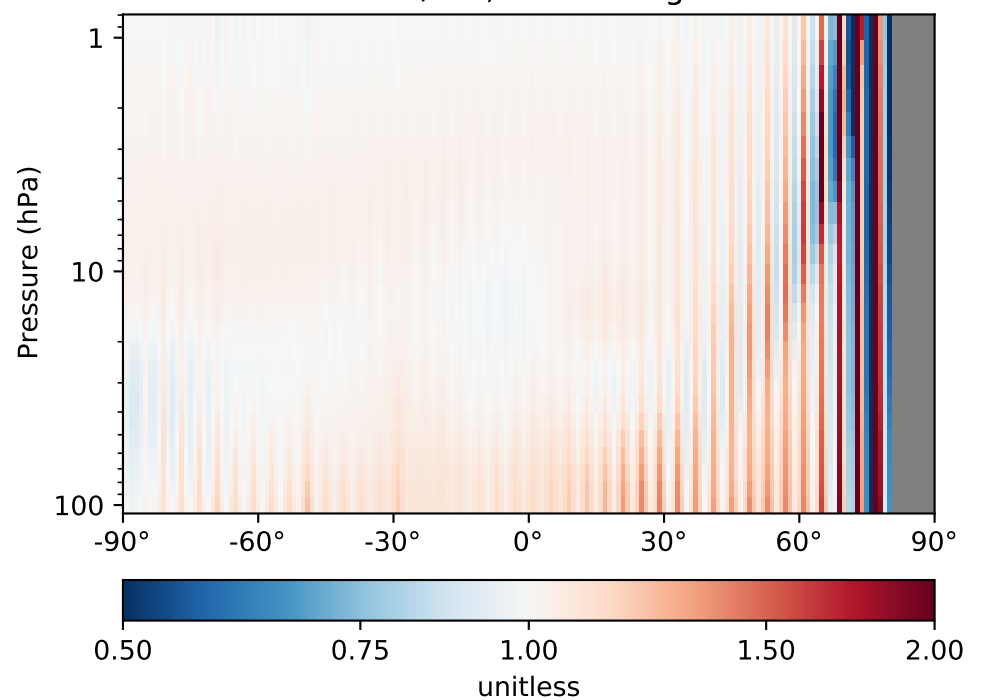
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

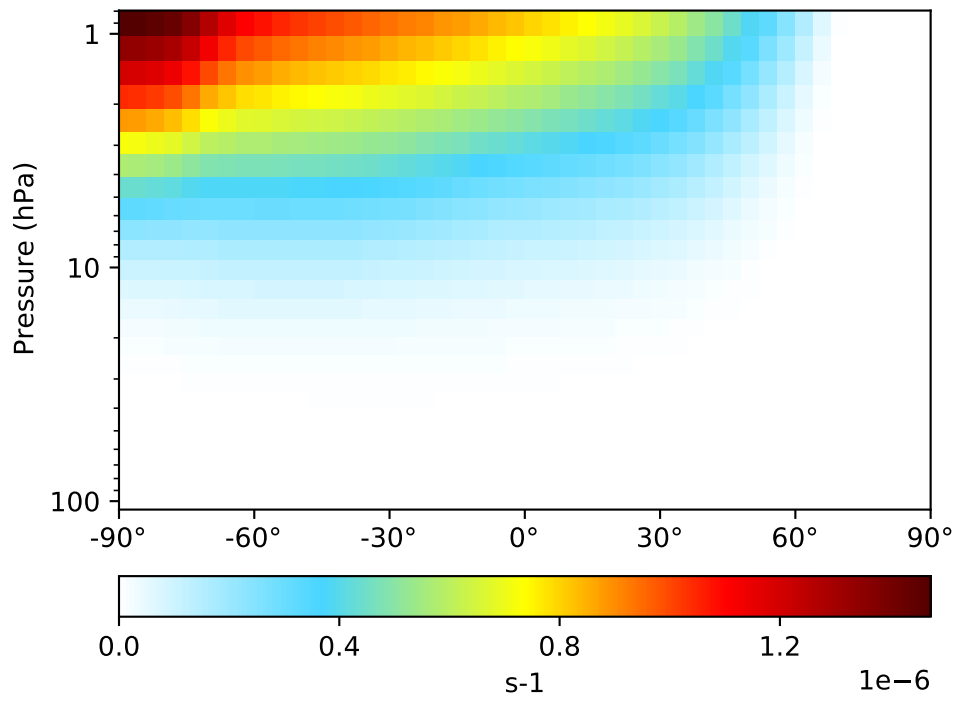


Ratio (1x1.25)
Dev/Ref, Fixed Range

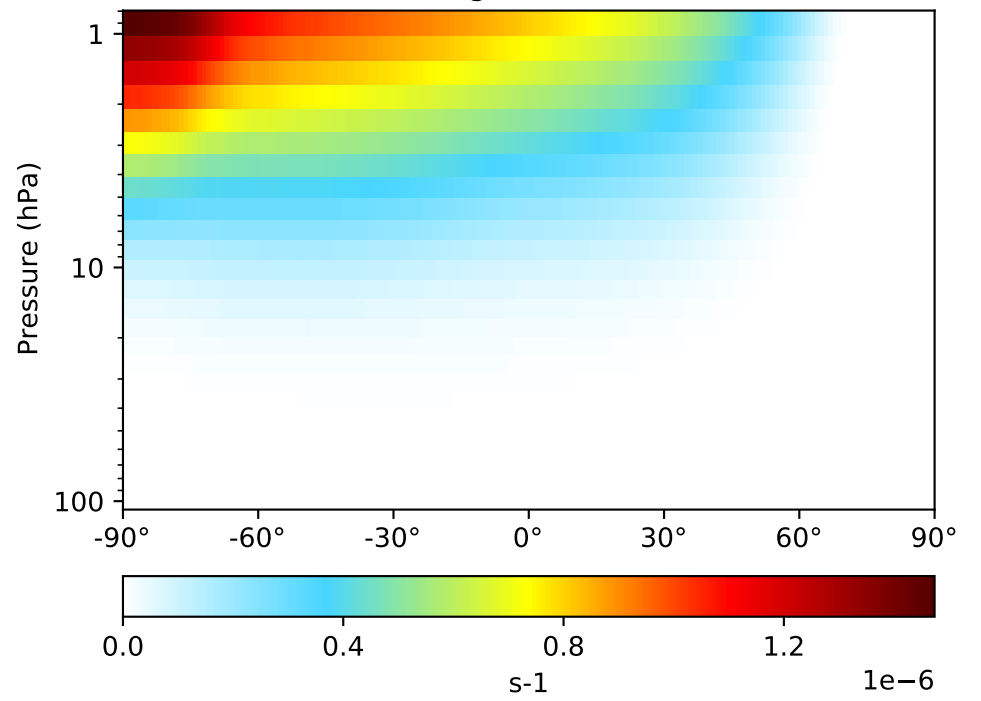


Jval_CH2Cl2, Zonal Mean (Jan2019)

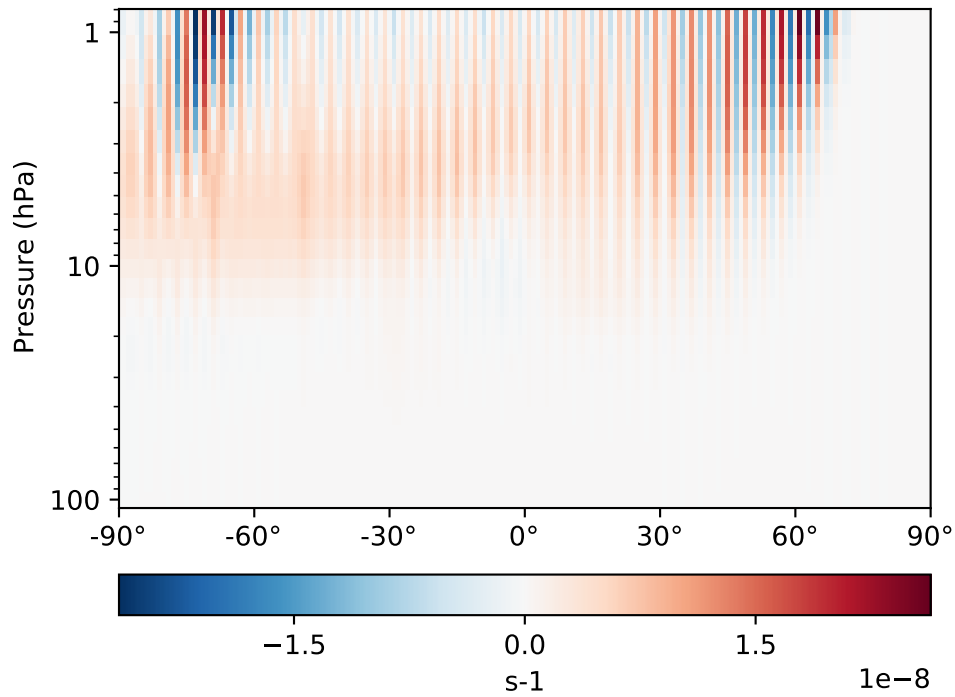
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



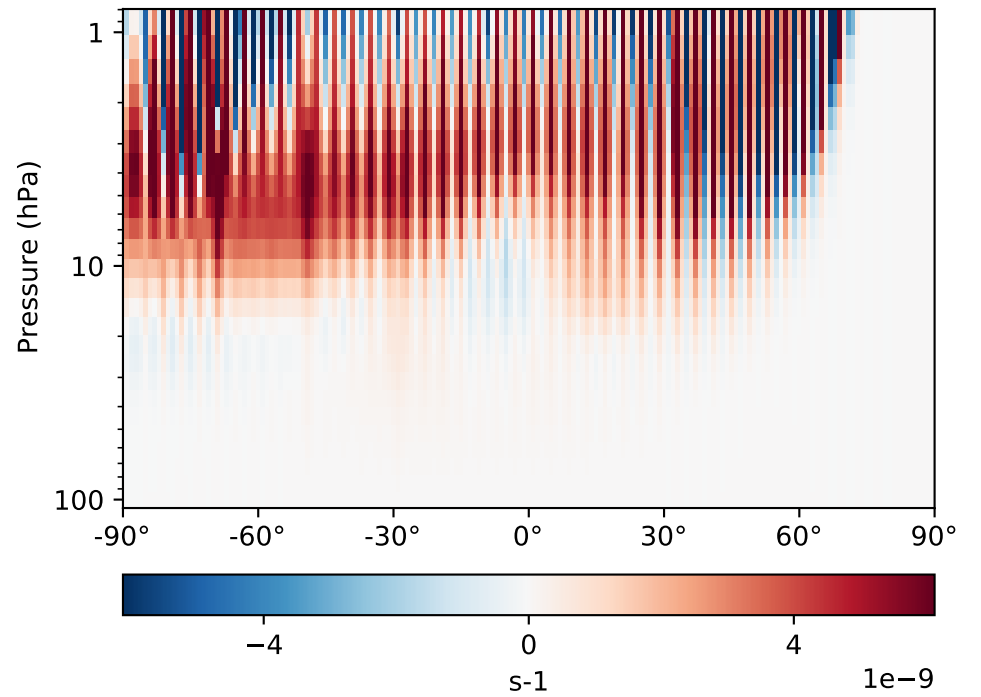
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regridged from c48



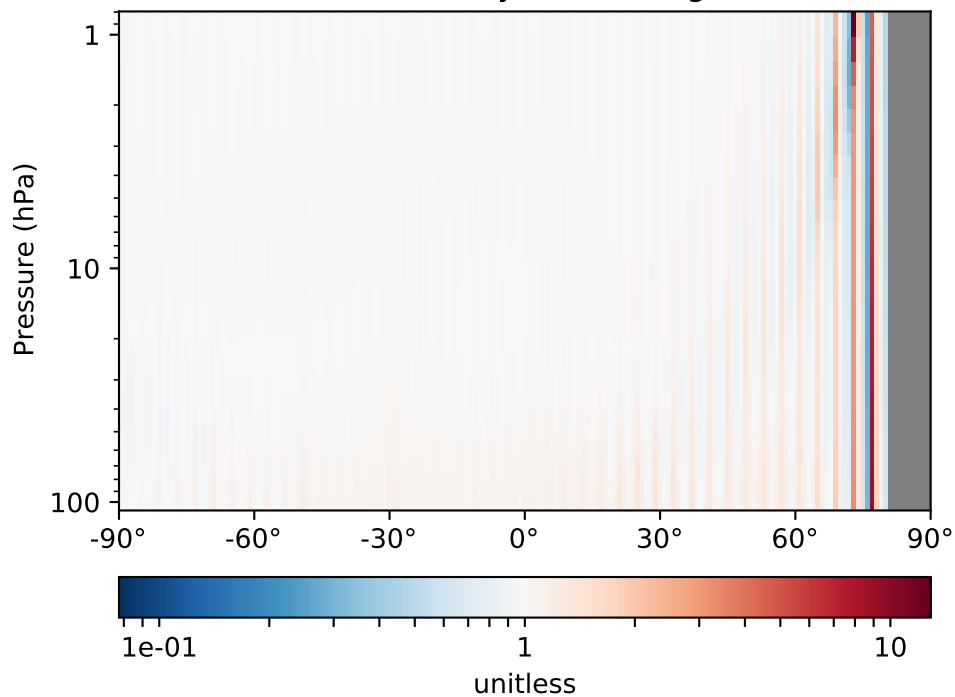
Difference (1x1.25)
Dev - Ref, Dynamic Range



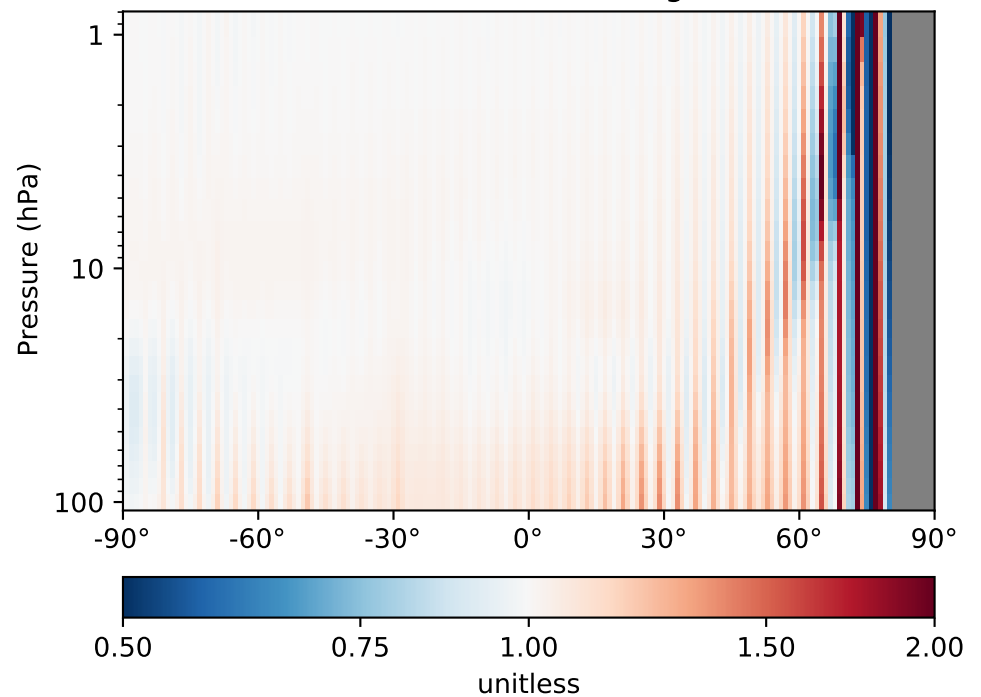
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

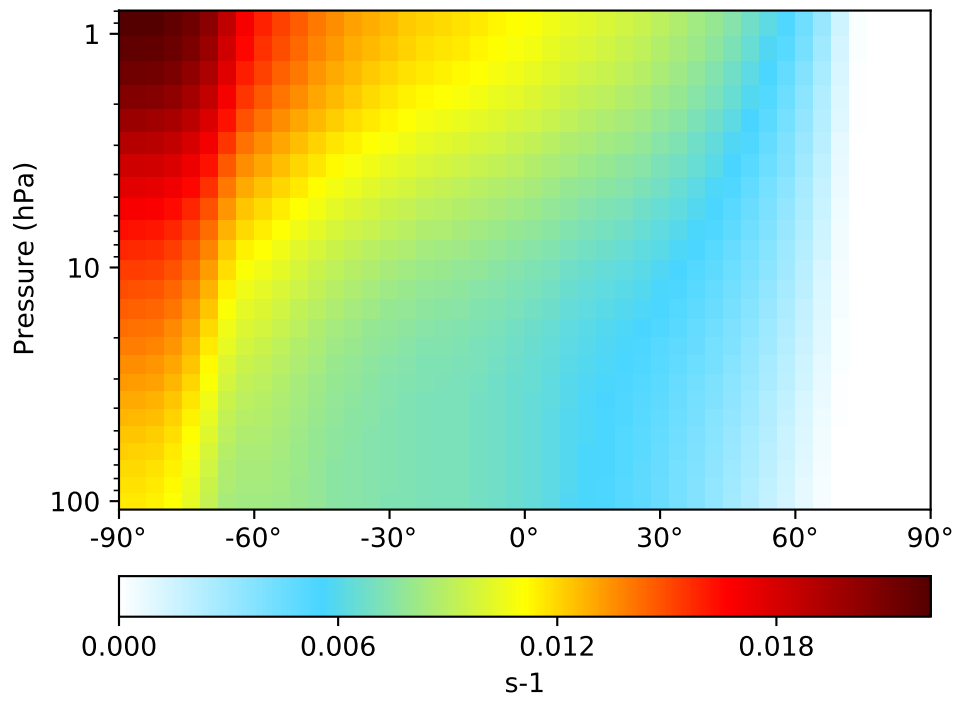


Ratio (1x1.25)
Dev/Ref, Fixed Range

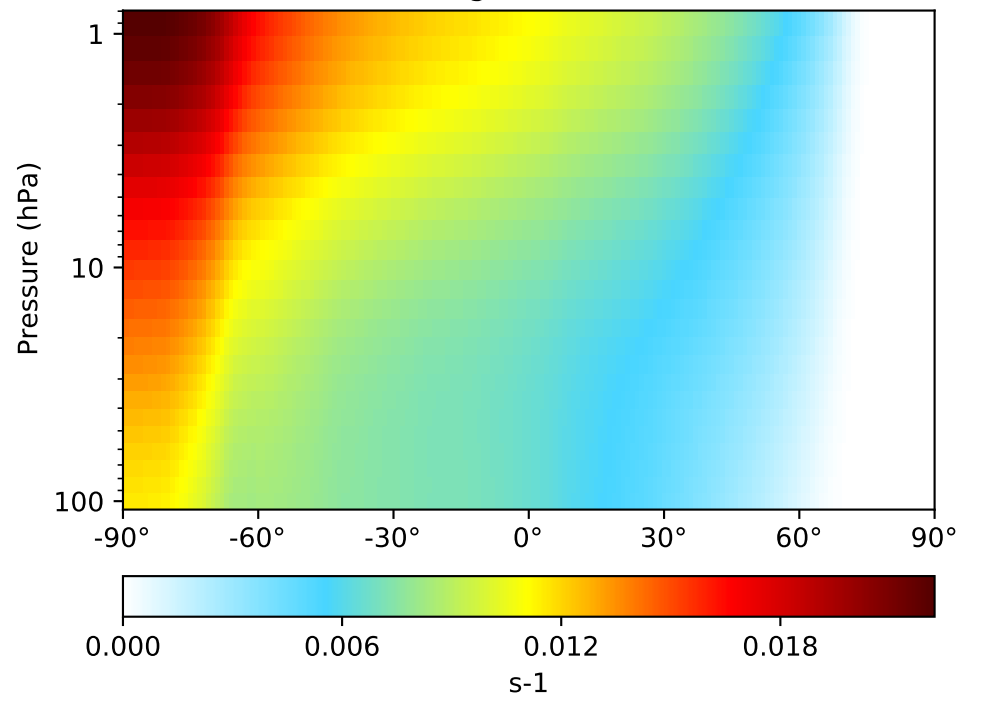


Jval_CH2I2, Zonal Mean (Jan2019)

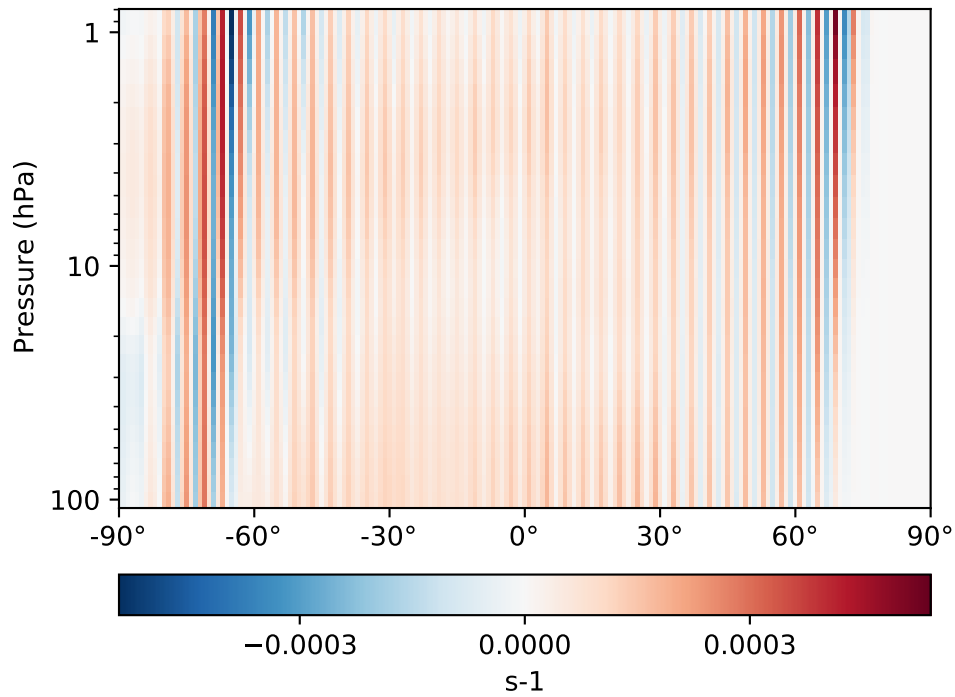
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



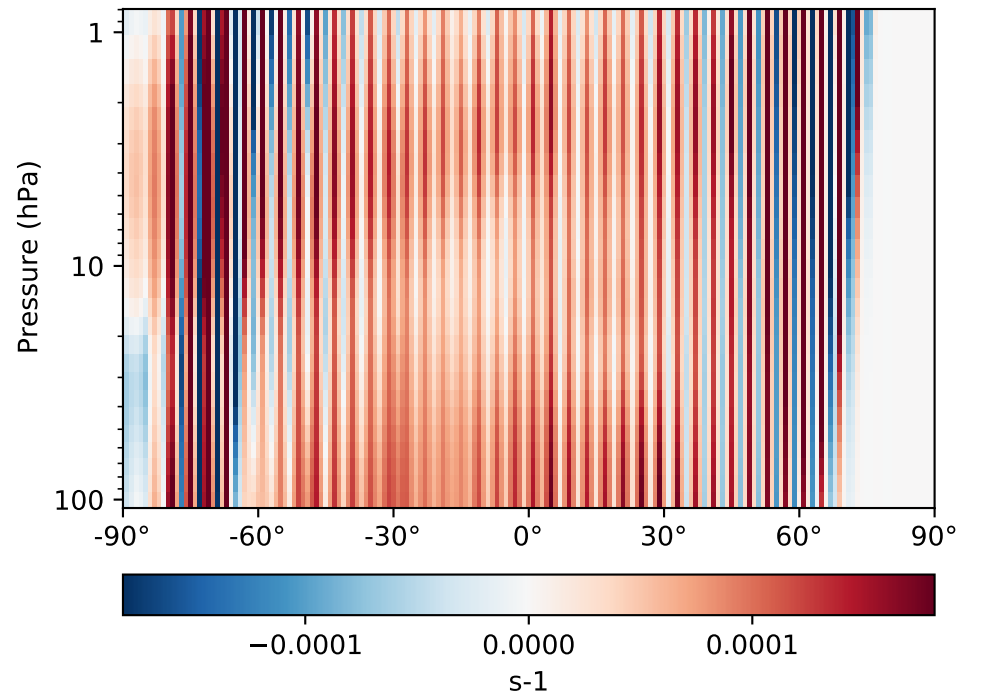
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



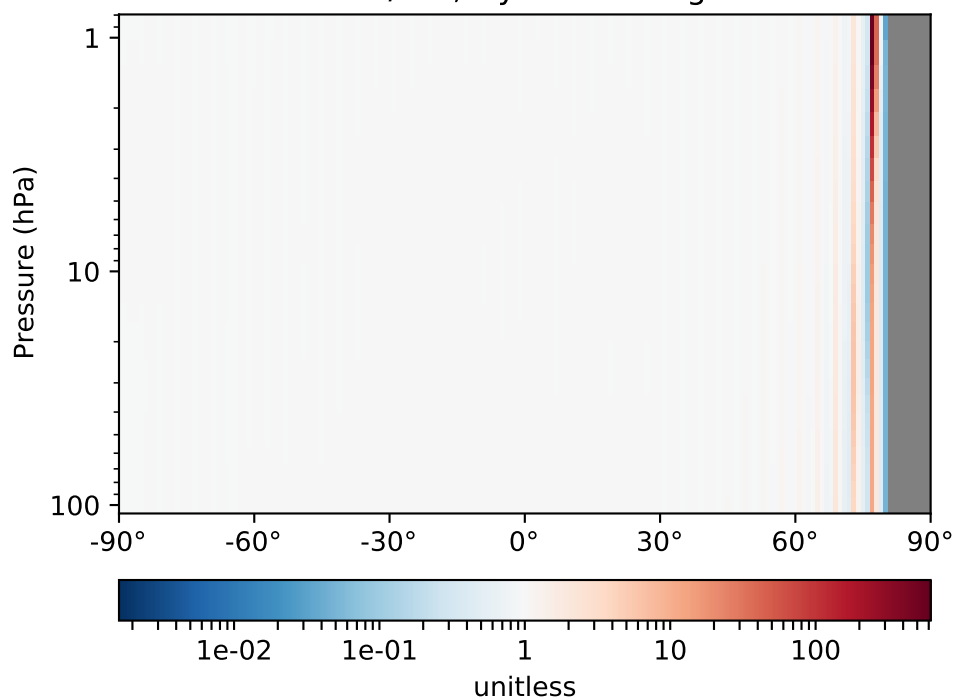
Difference (1x1.25)
Dev - Ref, Dynamic Range



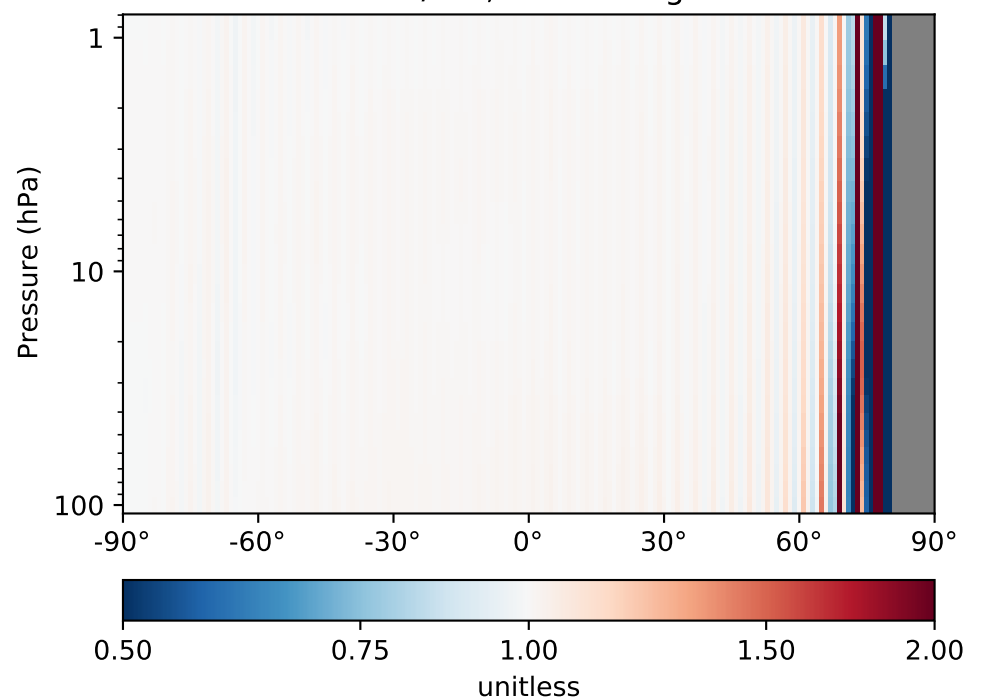
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

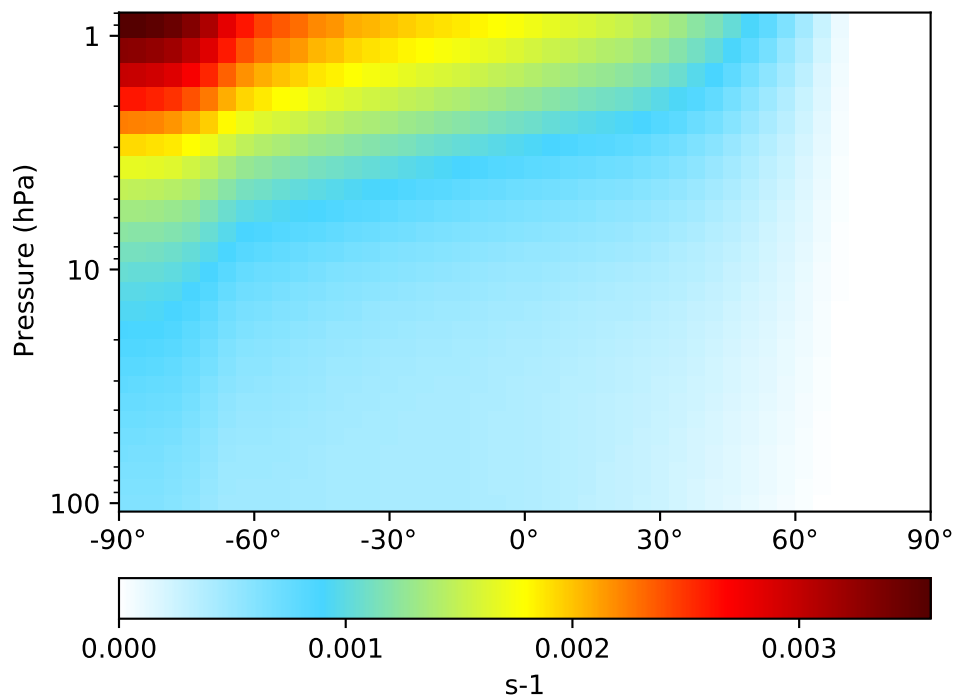


Ratio (1x1.25)
Dev/Ref, Fixed Range

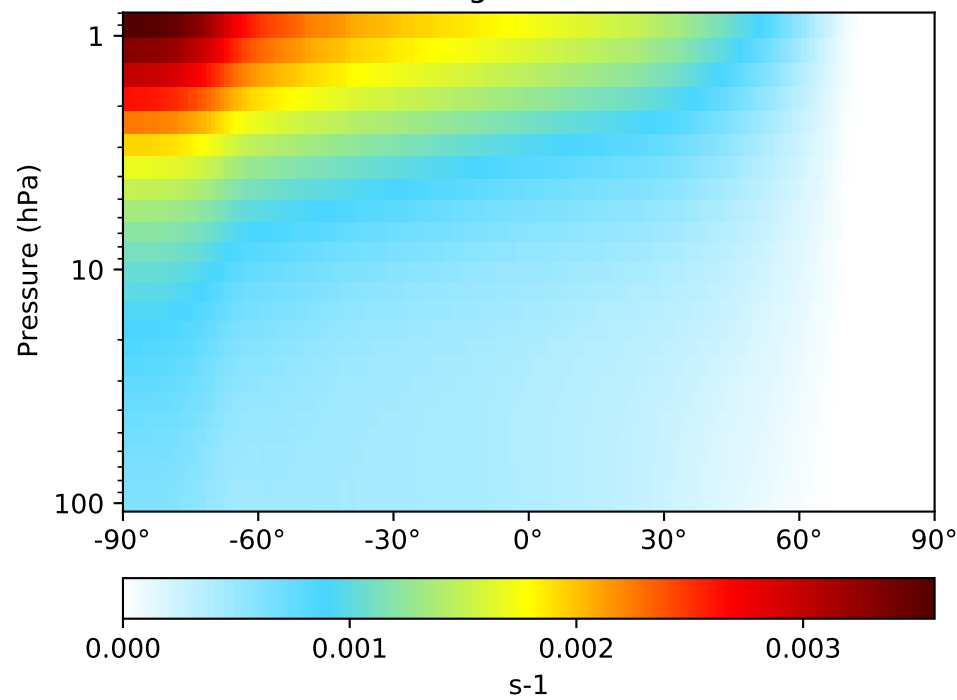


Jval_CH2IBr, Zonal Mean (Jan2019)

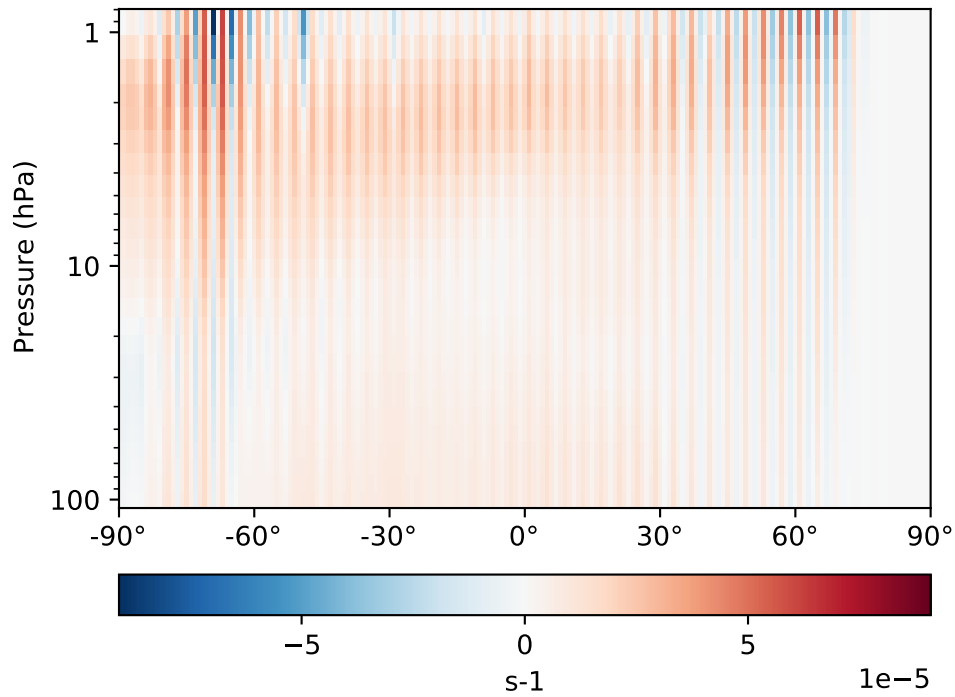
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



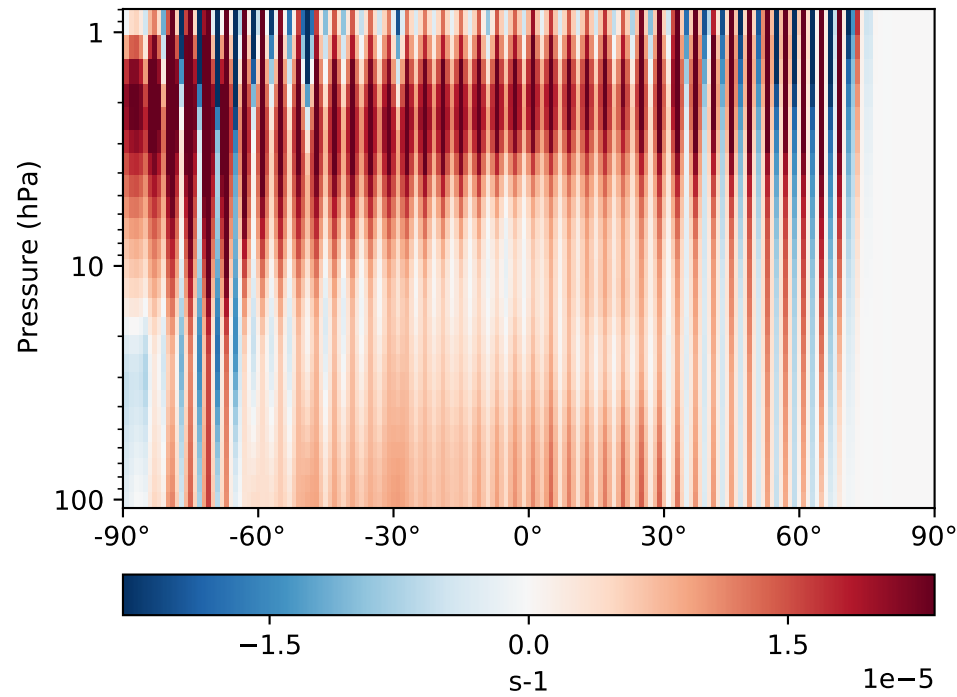
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regridged from c48



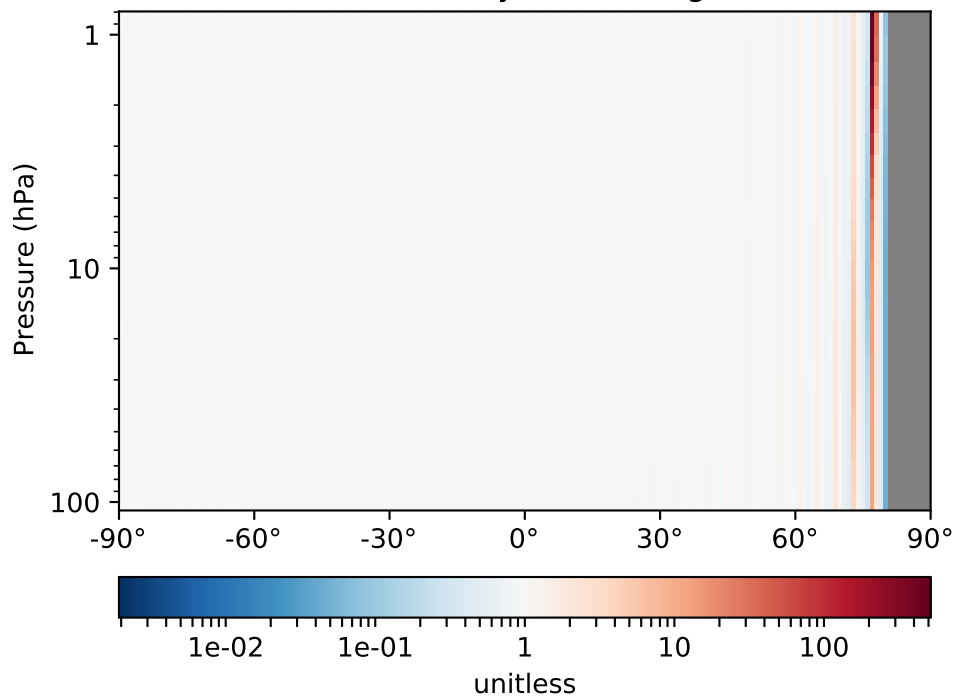
Difference (1x1.25)
Dev - Ref, Dynamic Range



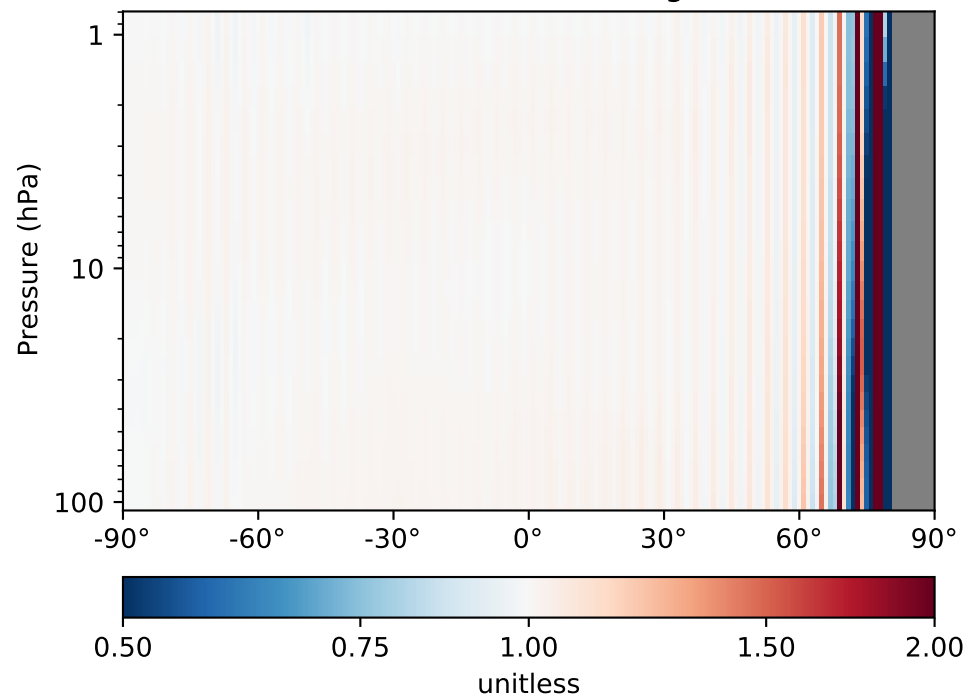
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

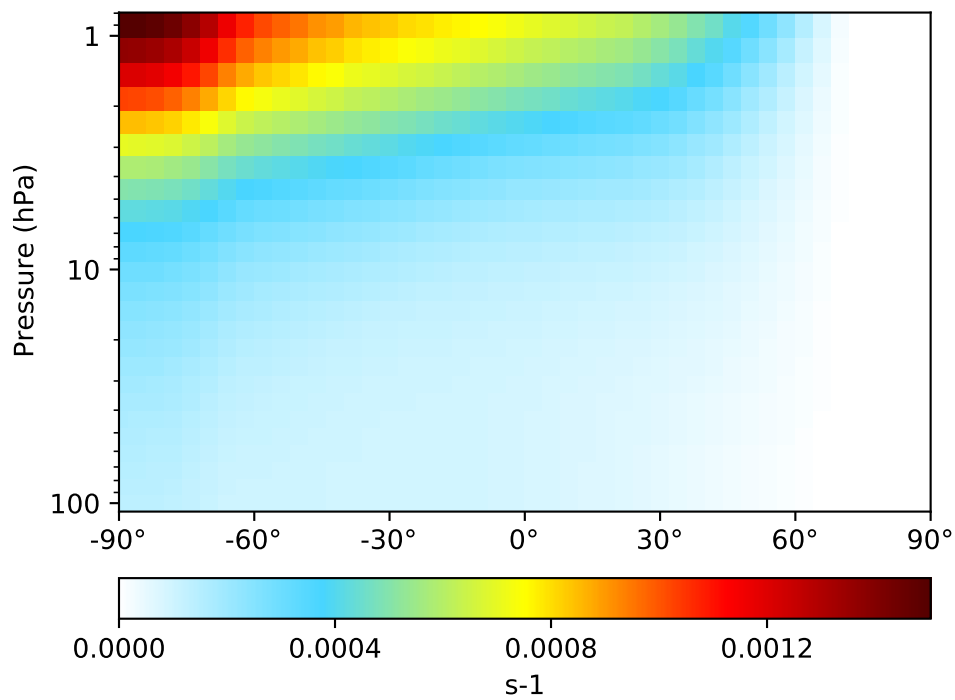


Ratio (1x1.25)
Dev/Ref, Fixed Range

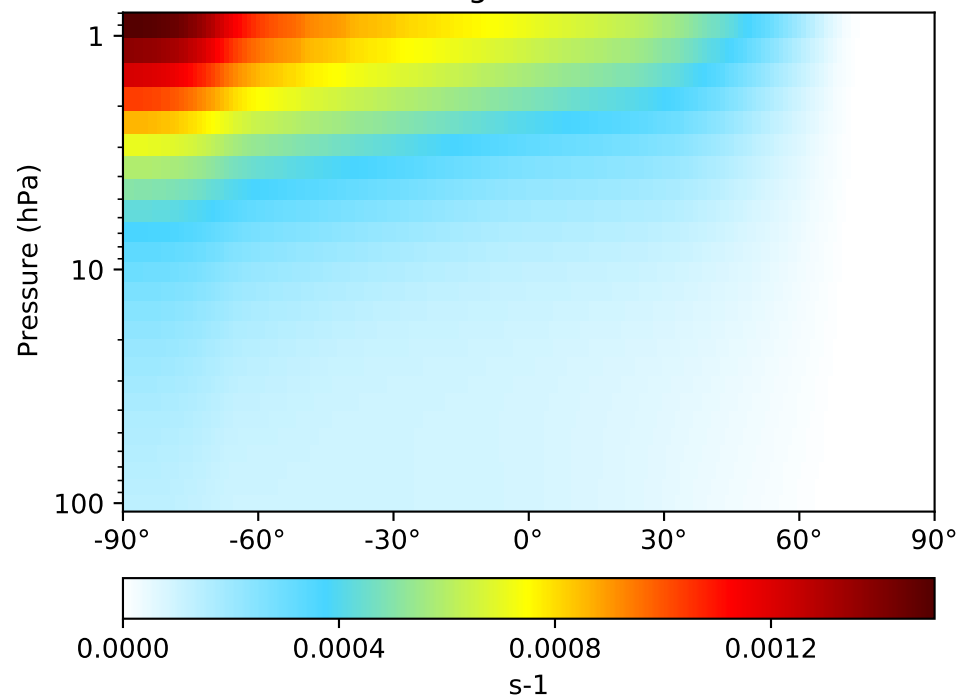


Jval_CH2ICl, Zonal Mean (Jan2019)

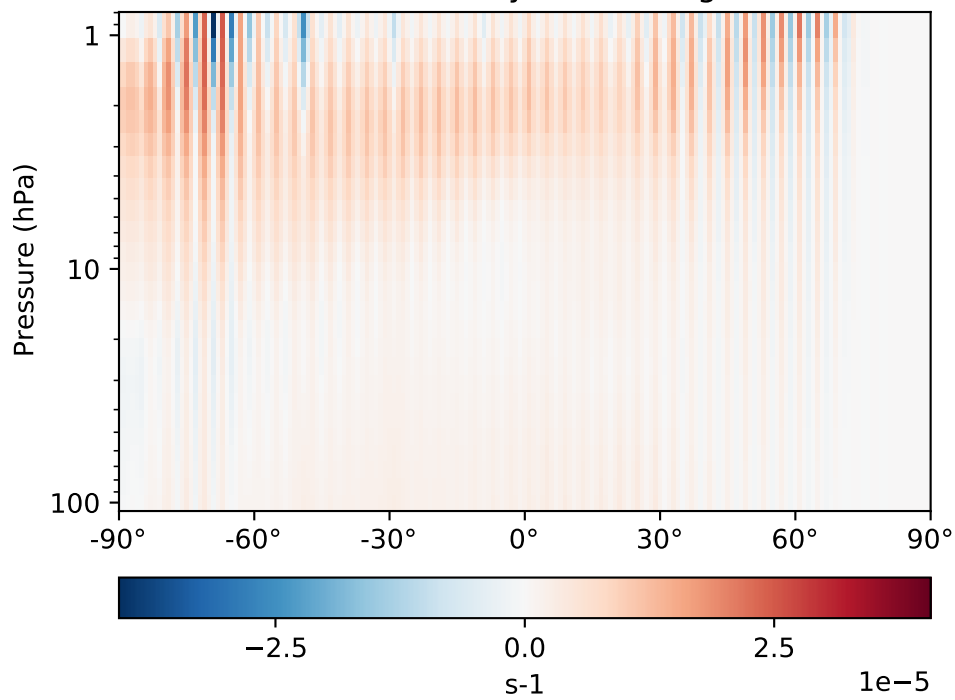
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



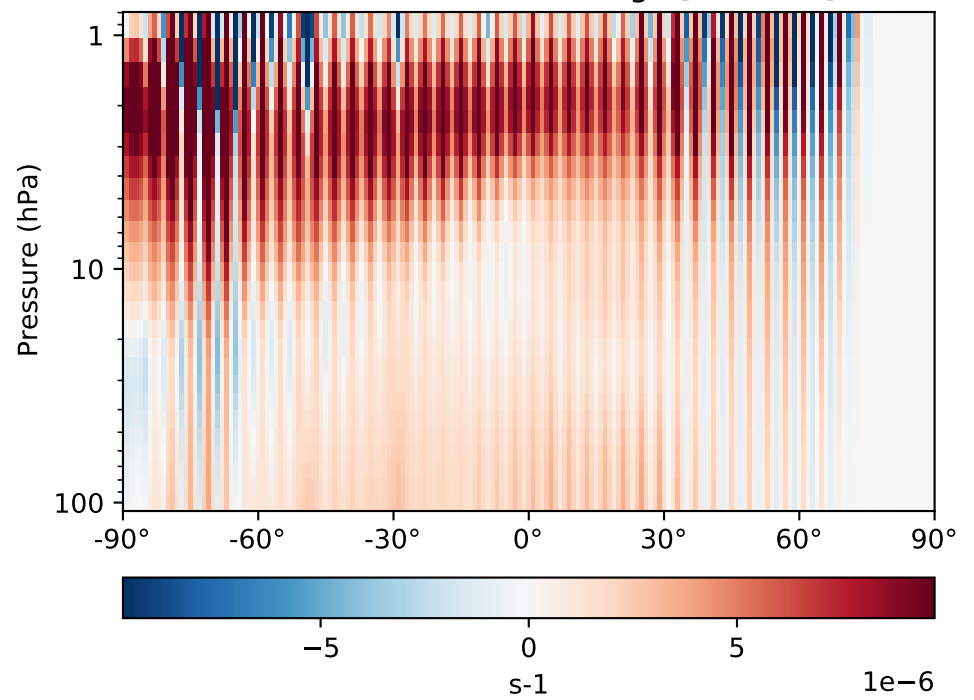
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



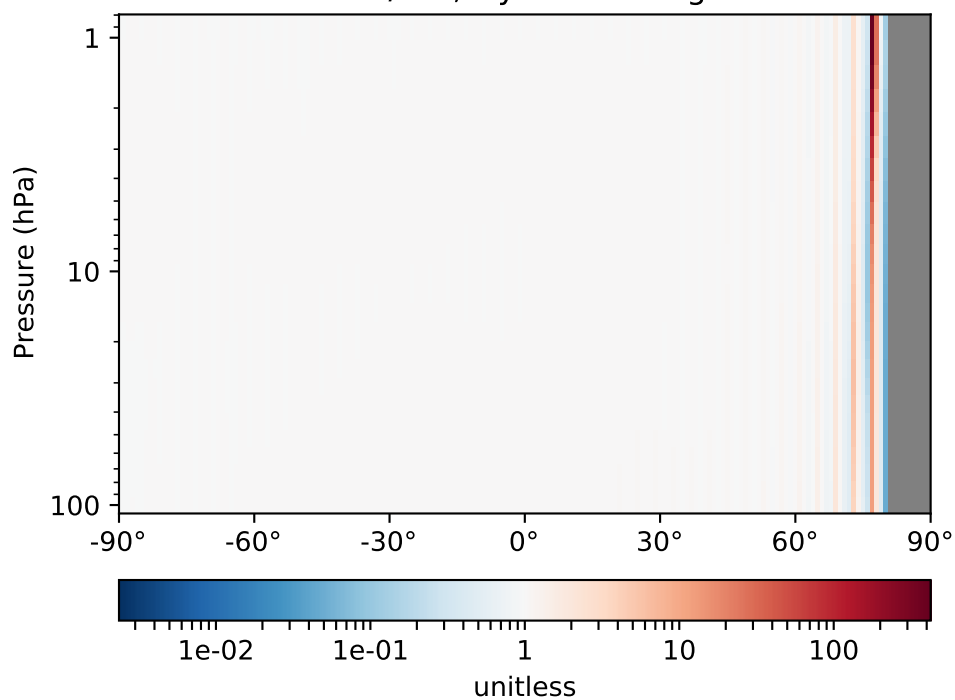
Difference (1x1.25)
Dev - Ref, Dynamic Range



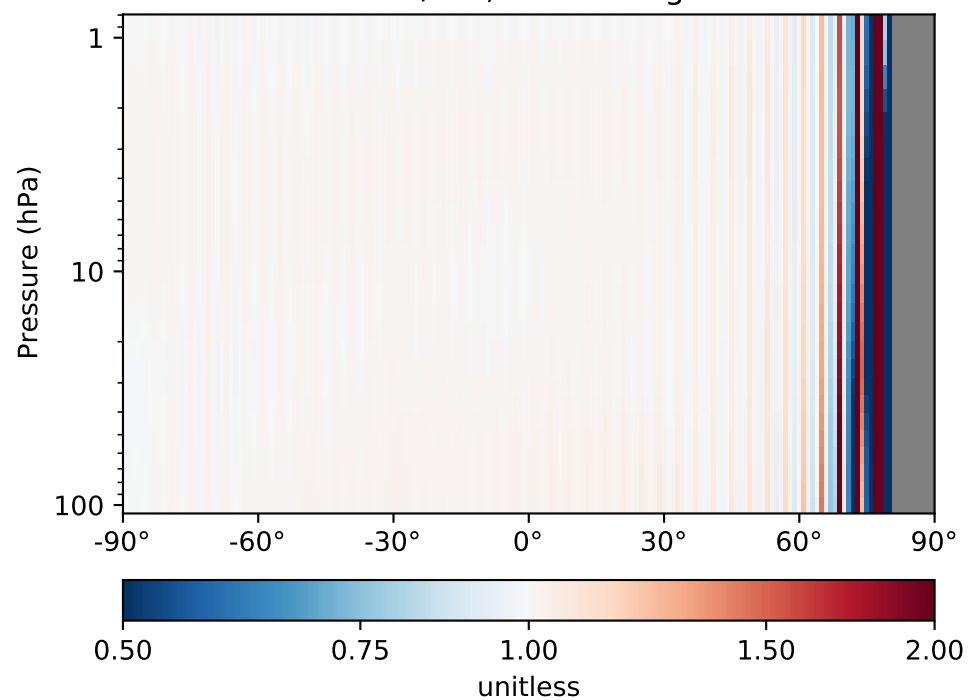
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

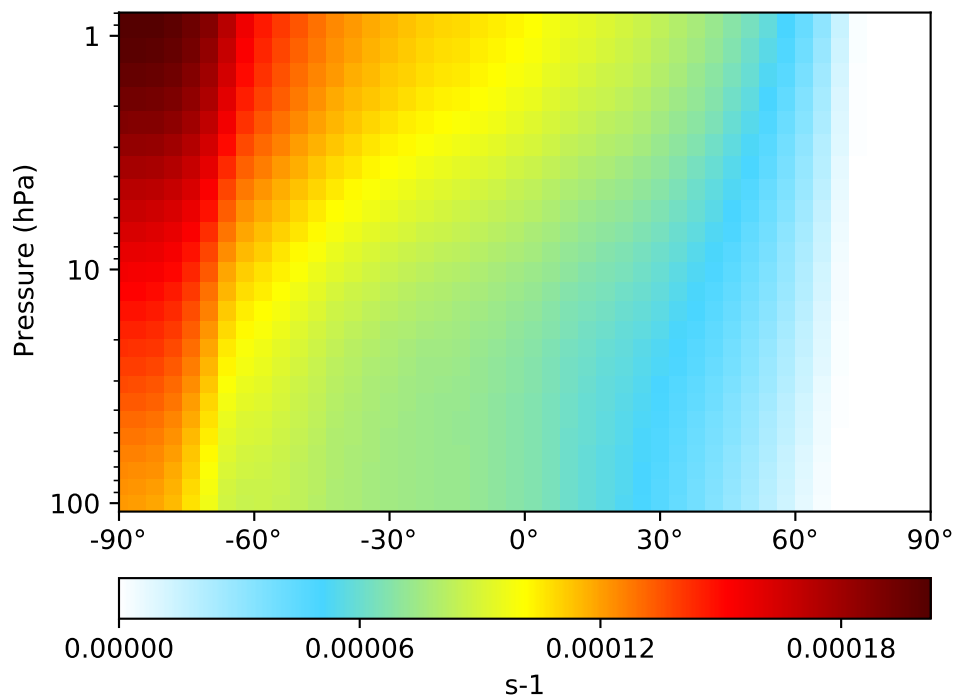


Ratio (1x1.25)
Dev/Ref, Fixed Range

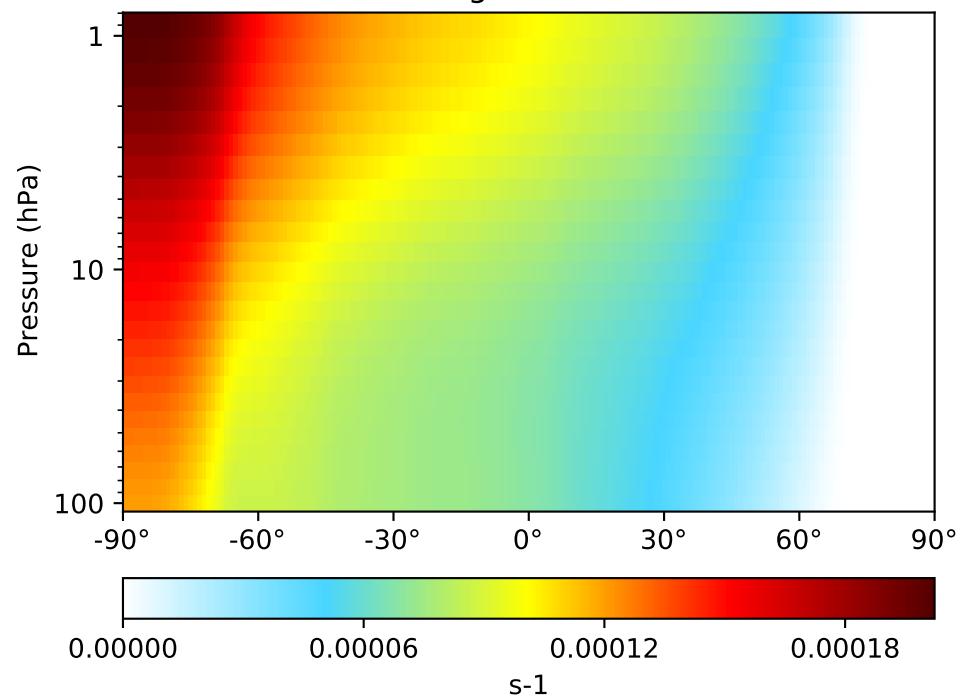


Jval_CH2O, Zonal Mean (Jan2019)

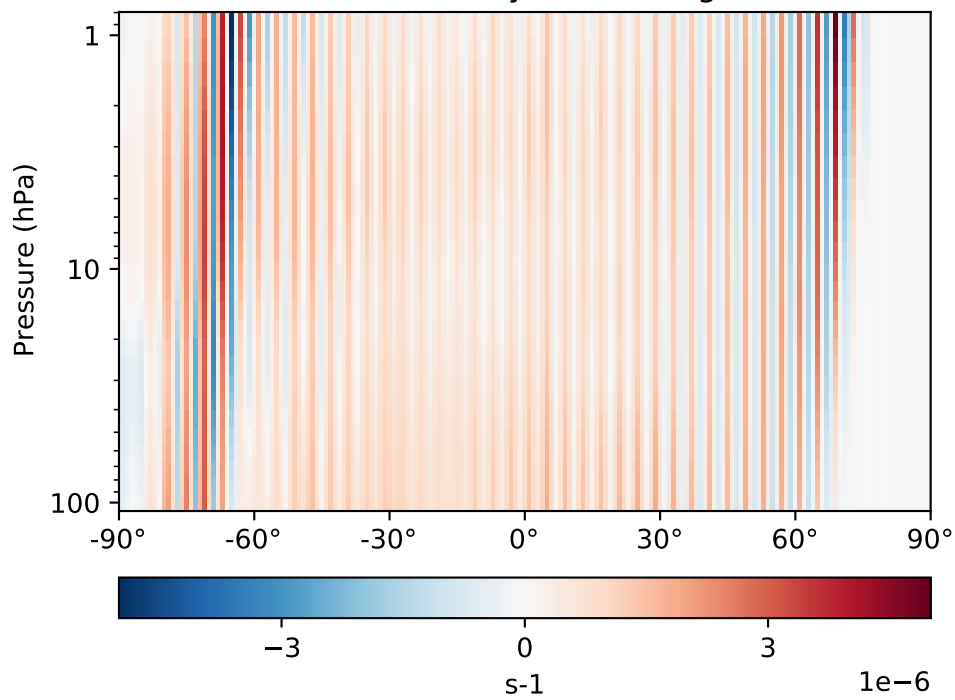
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



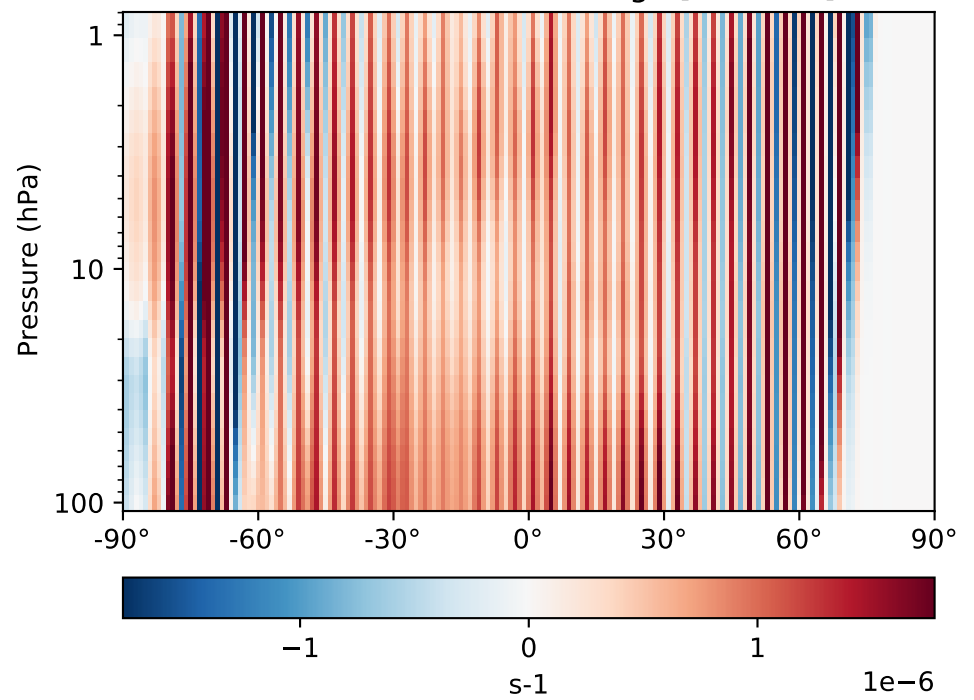
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



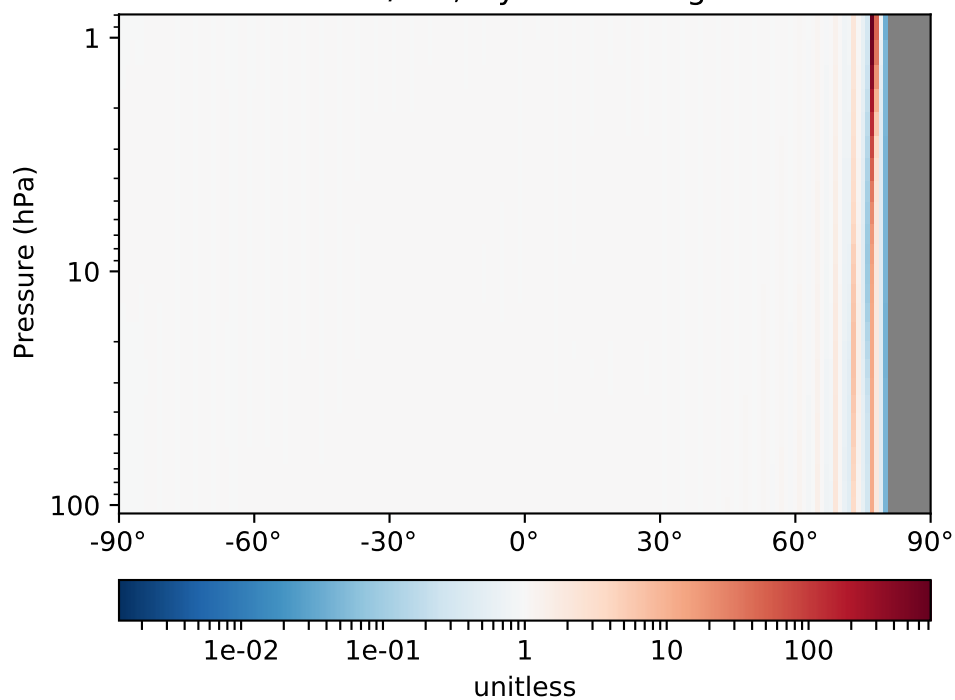
Difference (1x1.25)
Dev - Ref, Dynamic Range



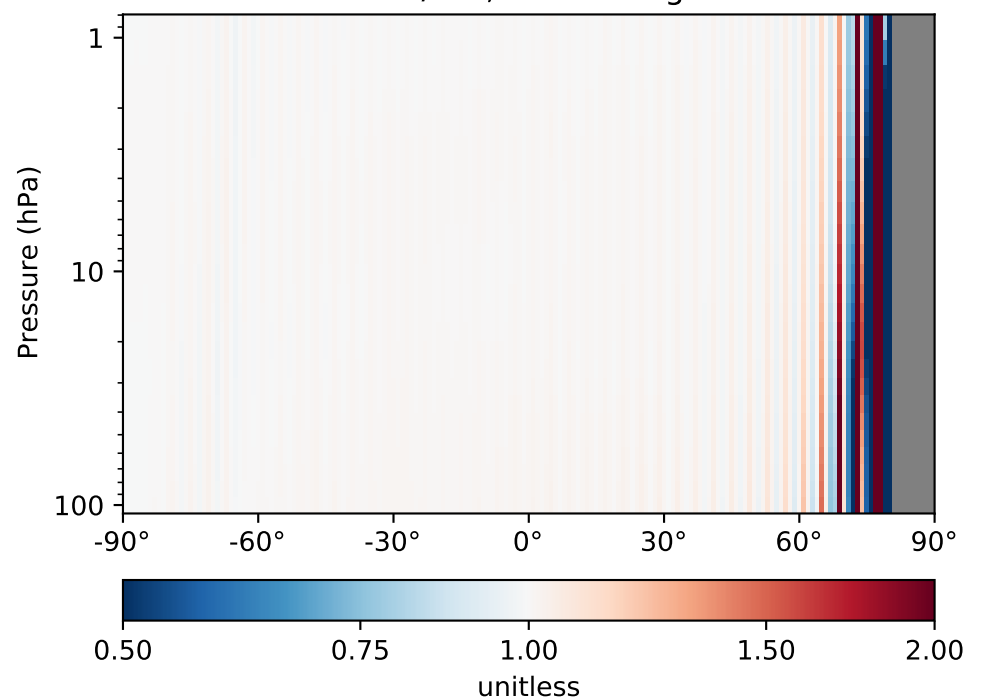
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

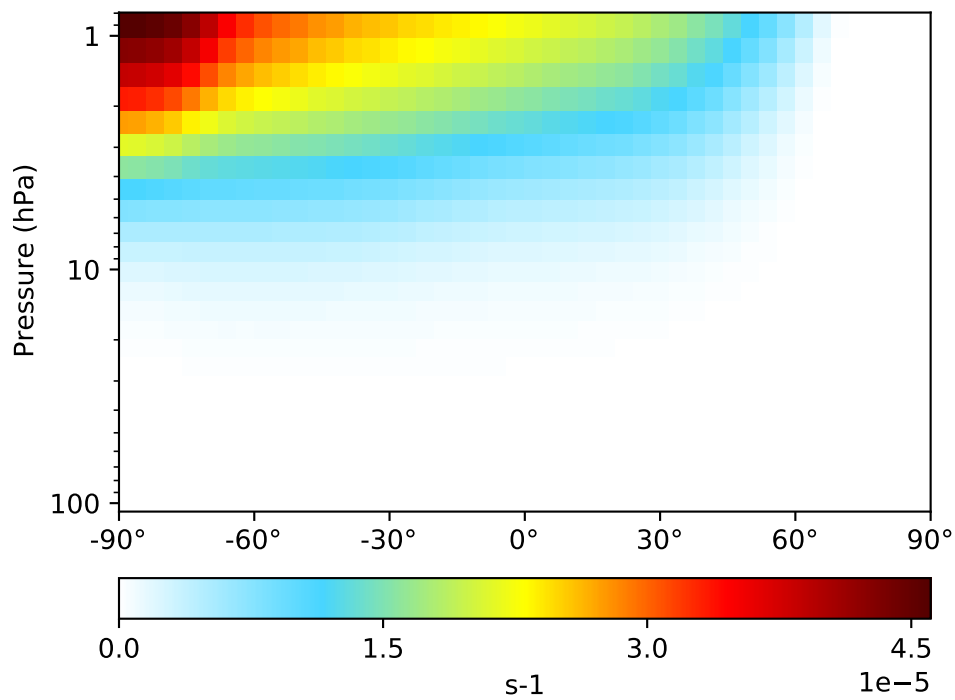


Ratio (1x1.25)
Dev/Ref, Fixed Range

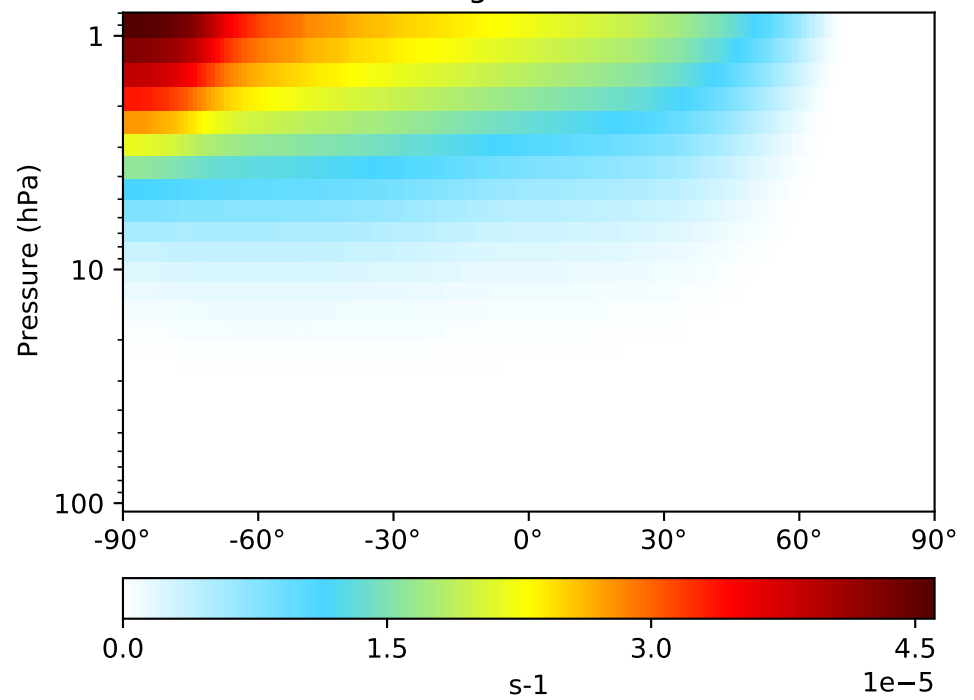


Jval_CH3Br, Zonal Mean (Jan2019)

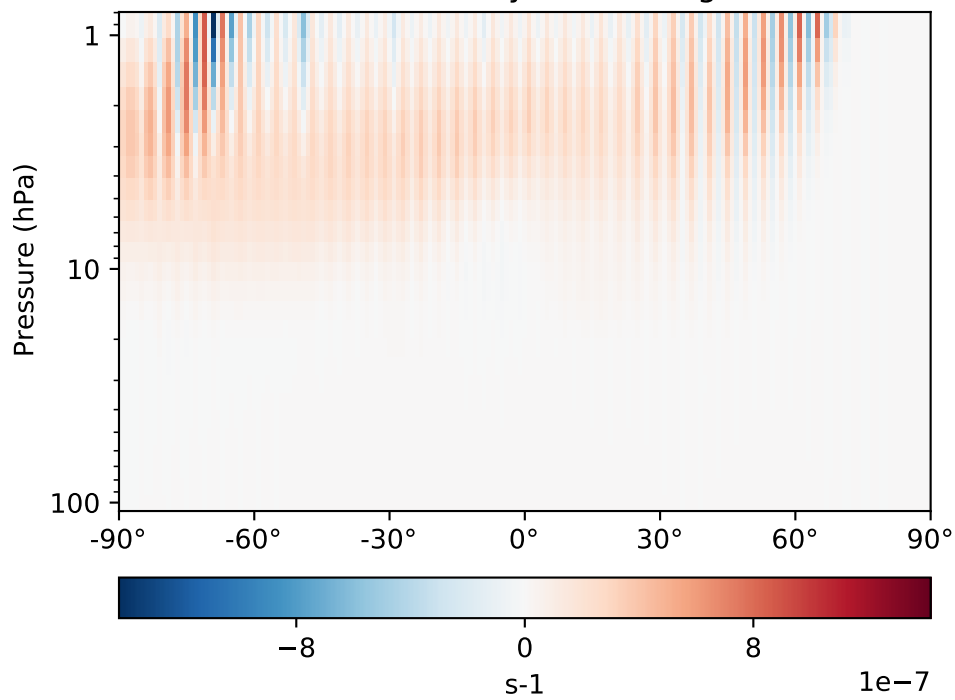
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



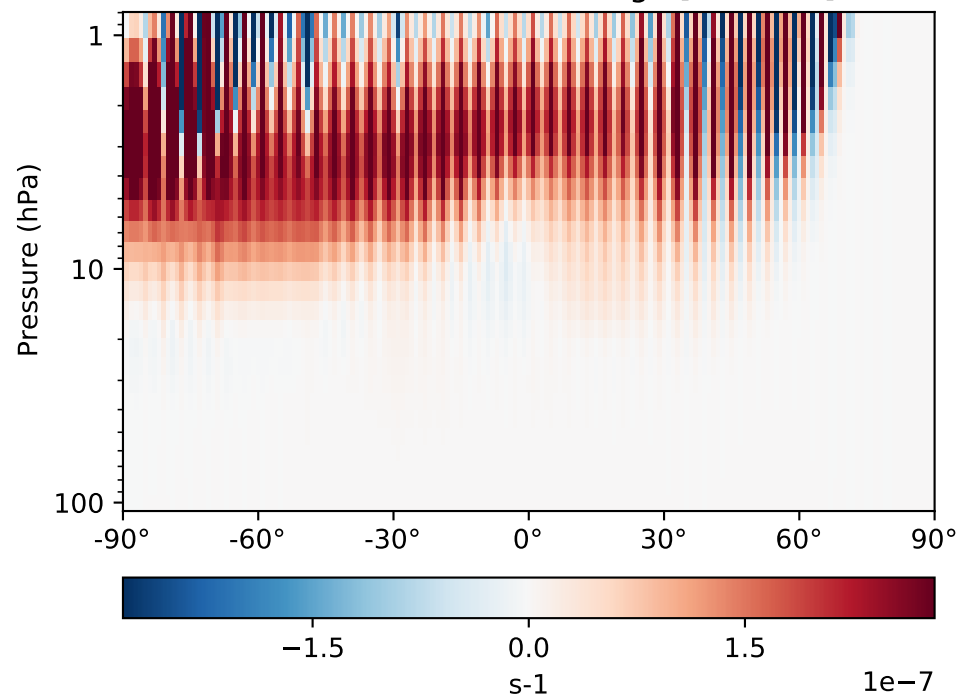
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regridged from c48



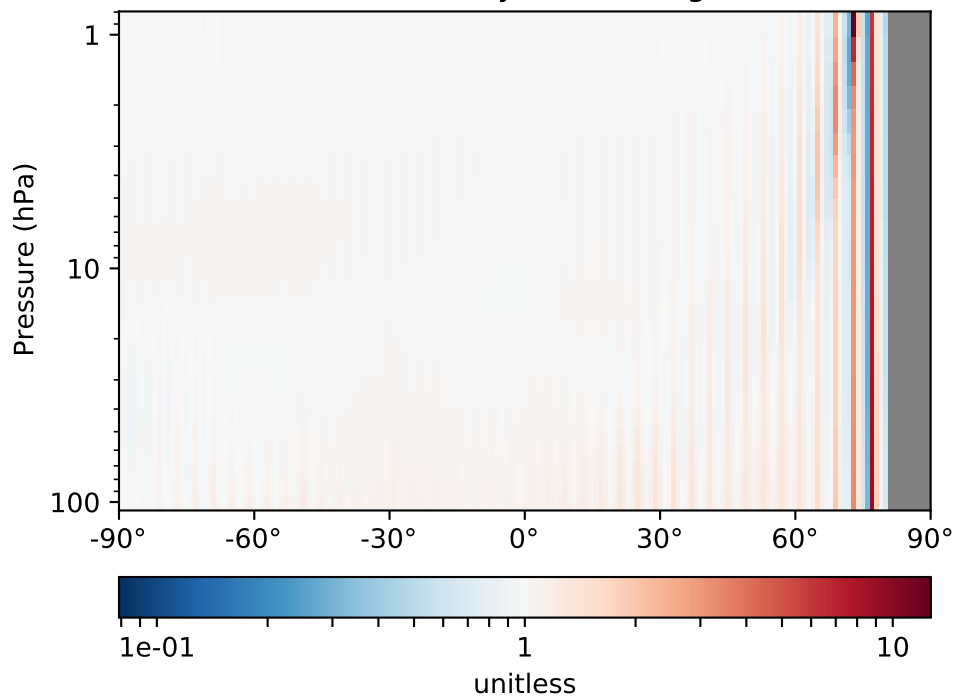
Difference (1x1.25)
Dev - Ref, Dynamic Range



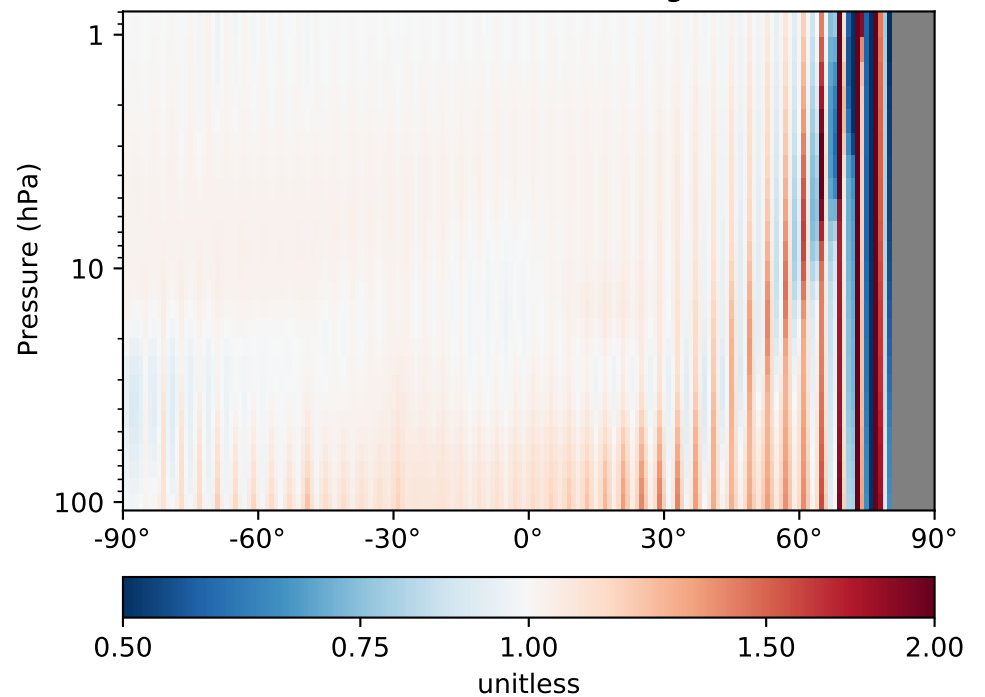
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

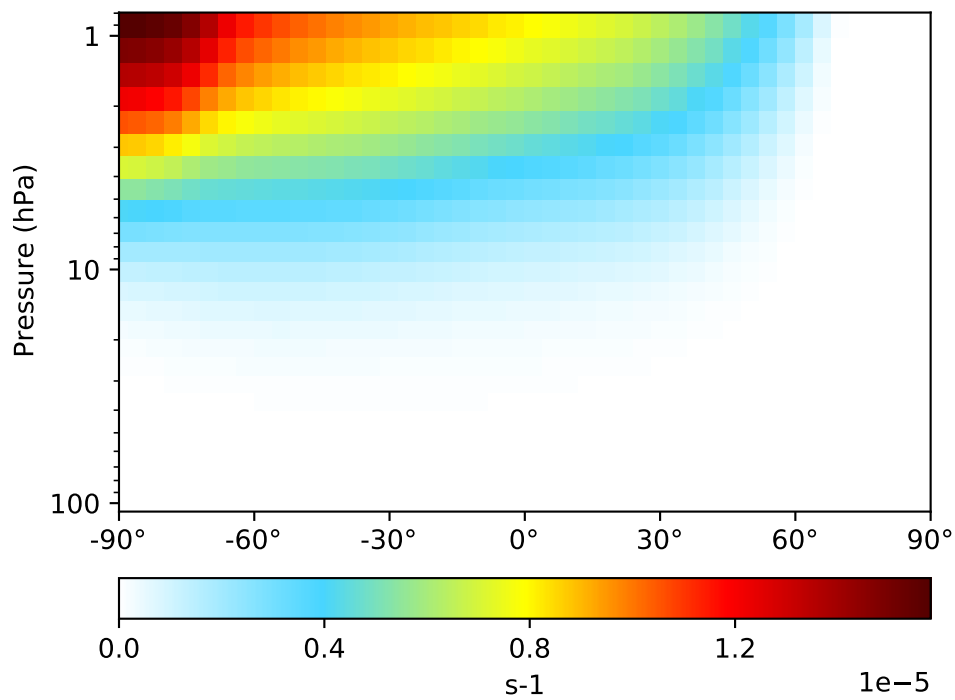


Ratio (1x1.25)
Dev/Ref, Fixed Range

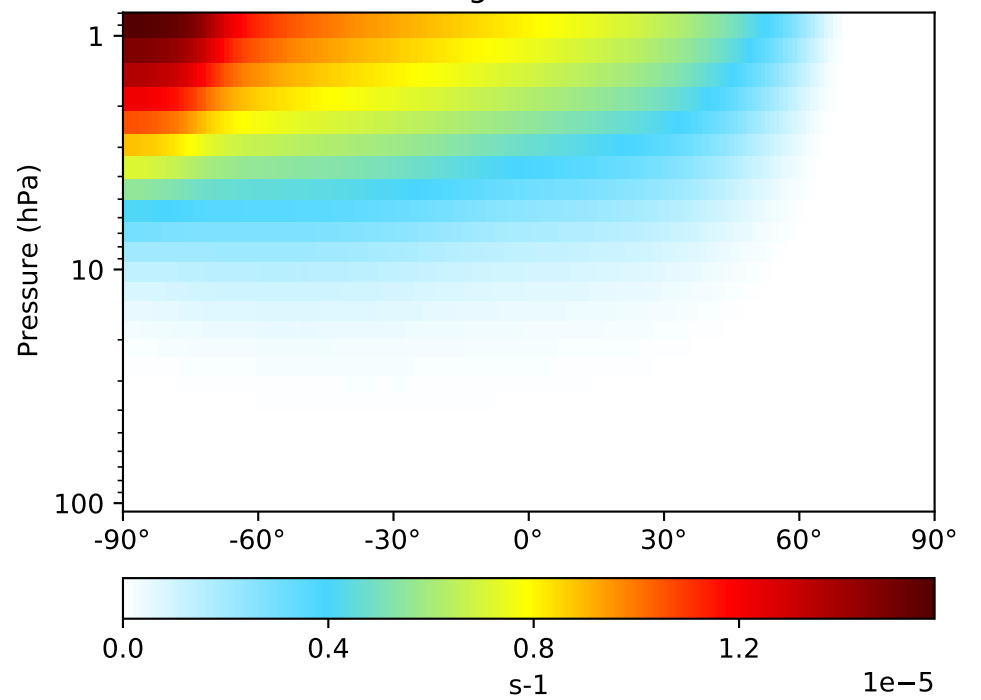


Jval_CH3CCl3, Zonal Mean (Jan2019)

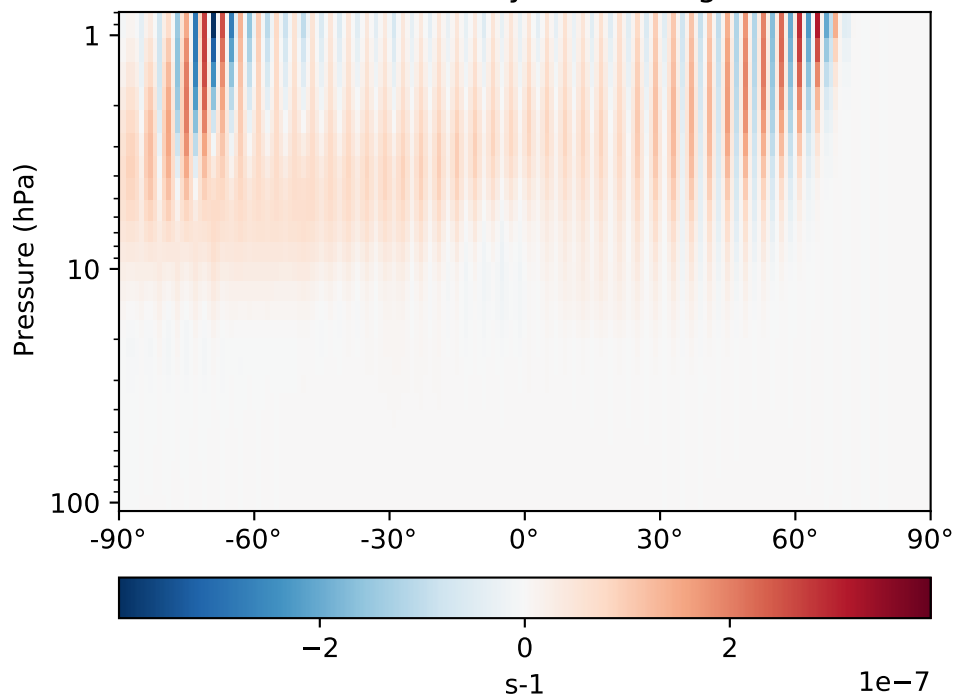
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



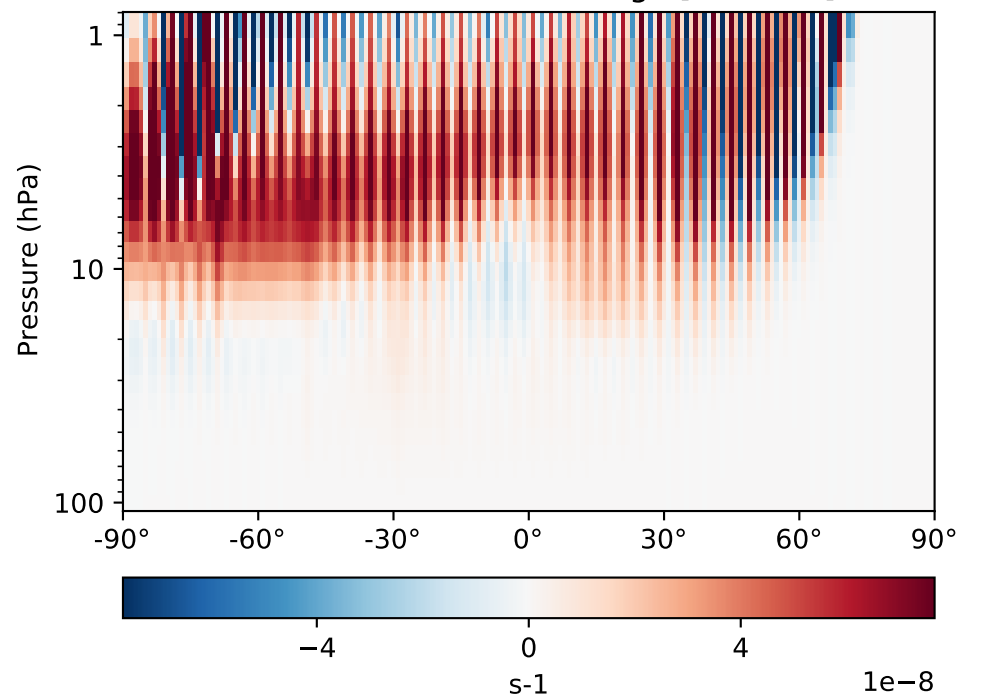
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



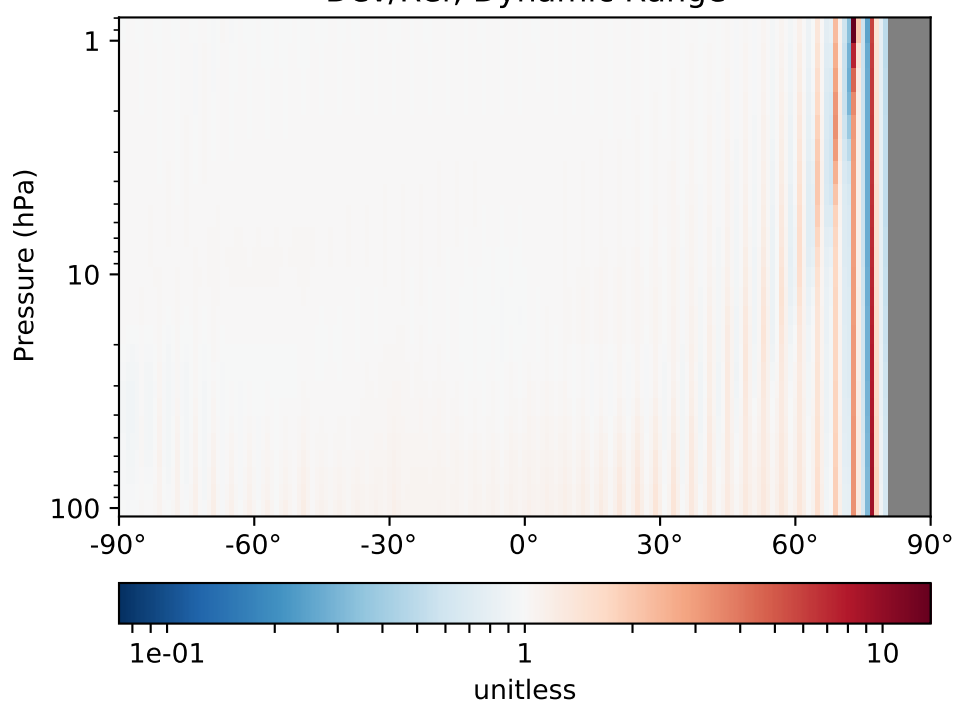
Difference (1x1.25)
Dev - Ref, Dynamic Range



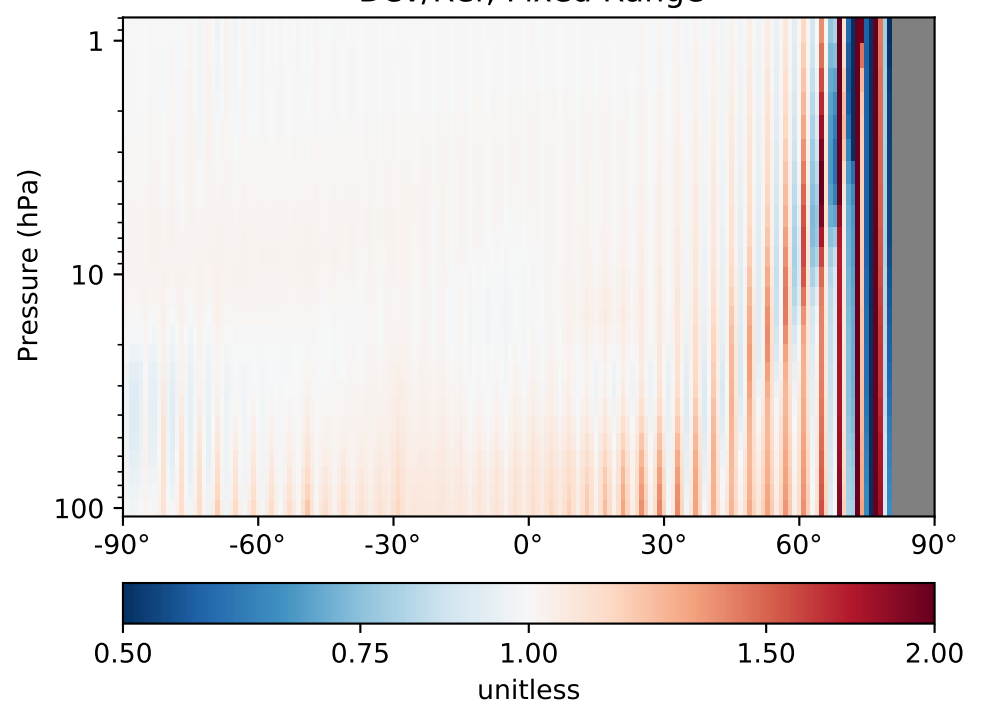
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

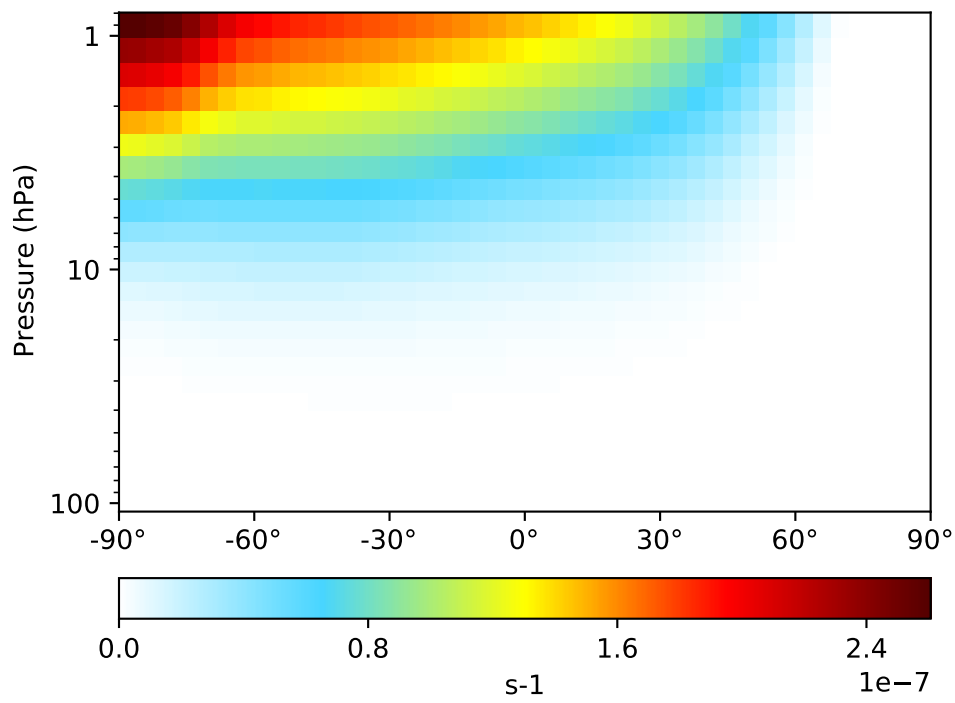


Ratio (1x1.25)
Dev/Ref, Fixed Range

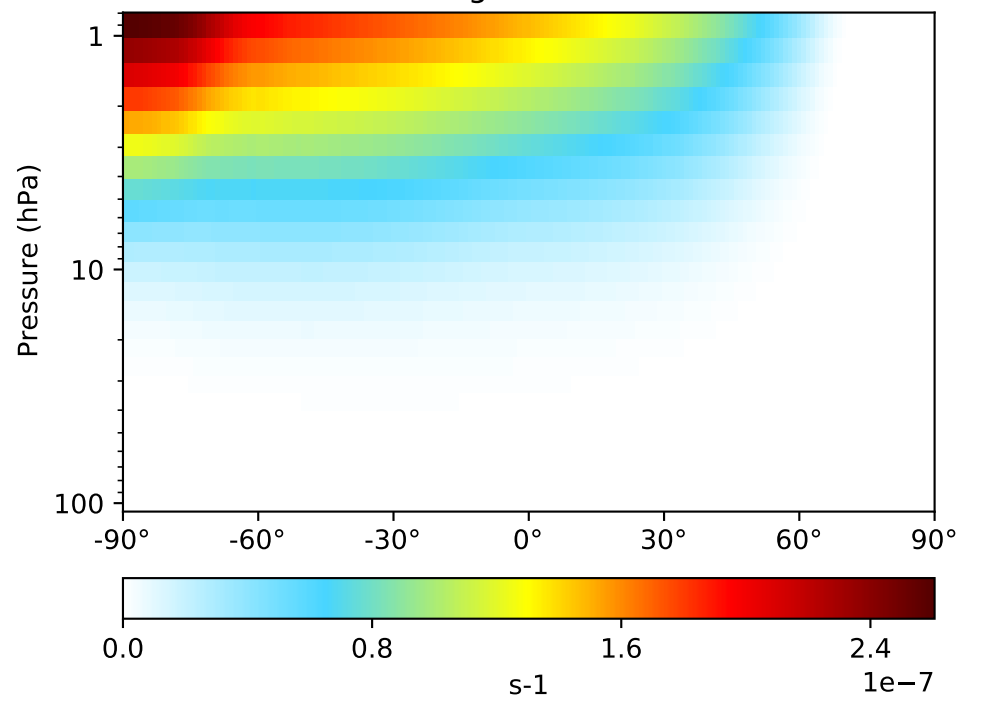


Jval_CH3Cl, Zonal Mean (Jan2019)

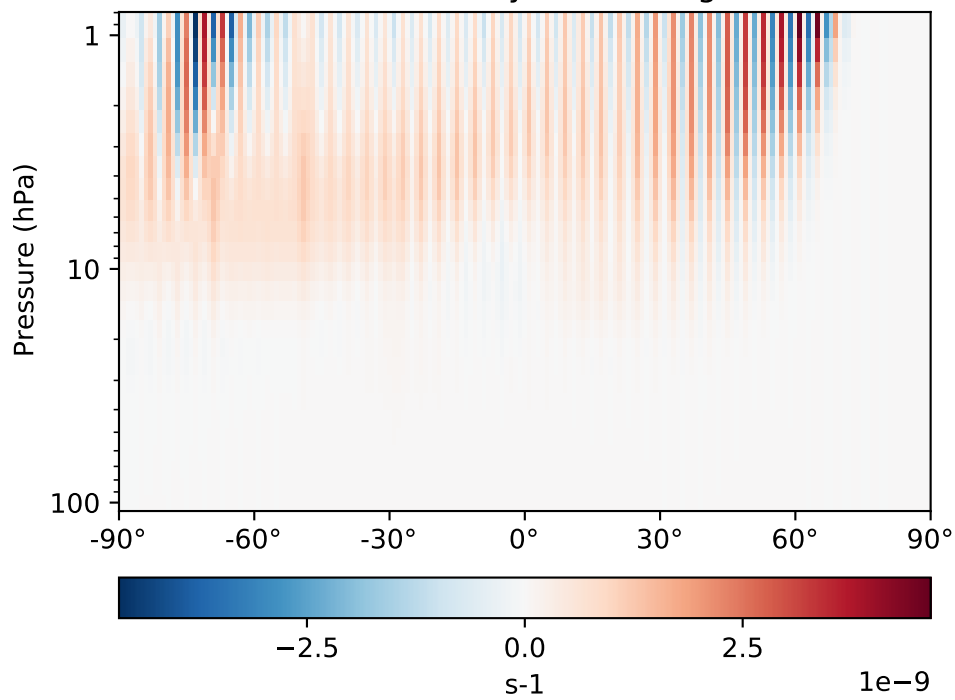
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



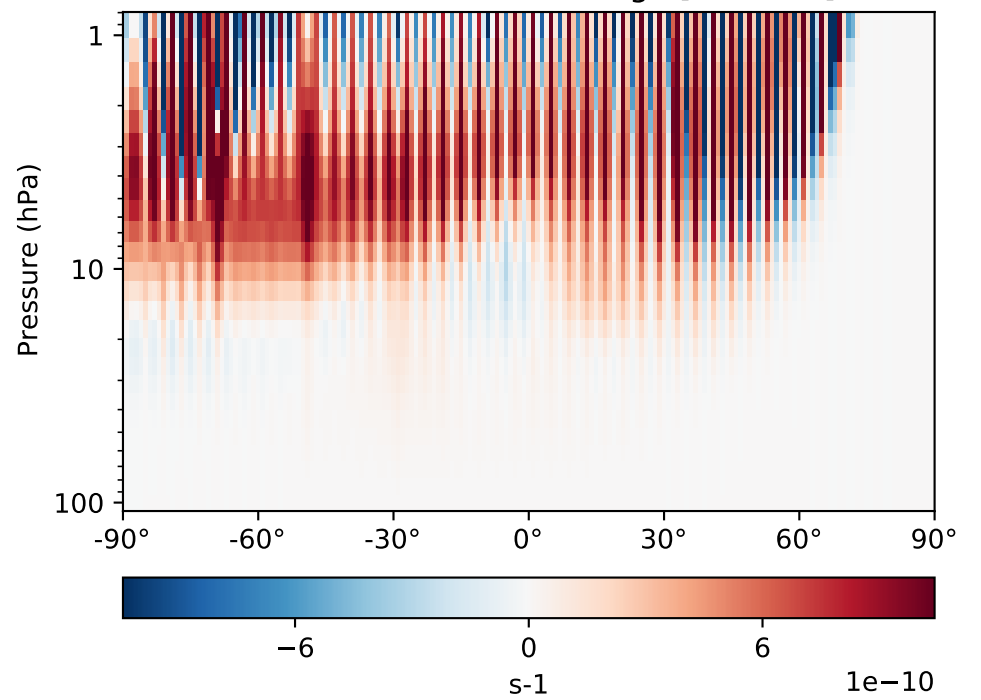
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



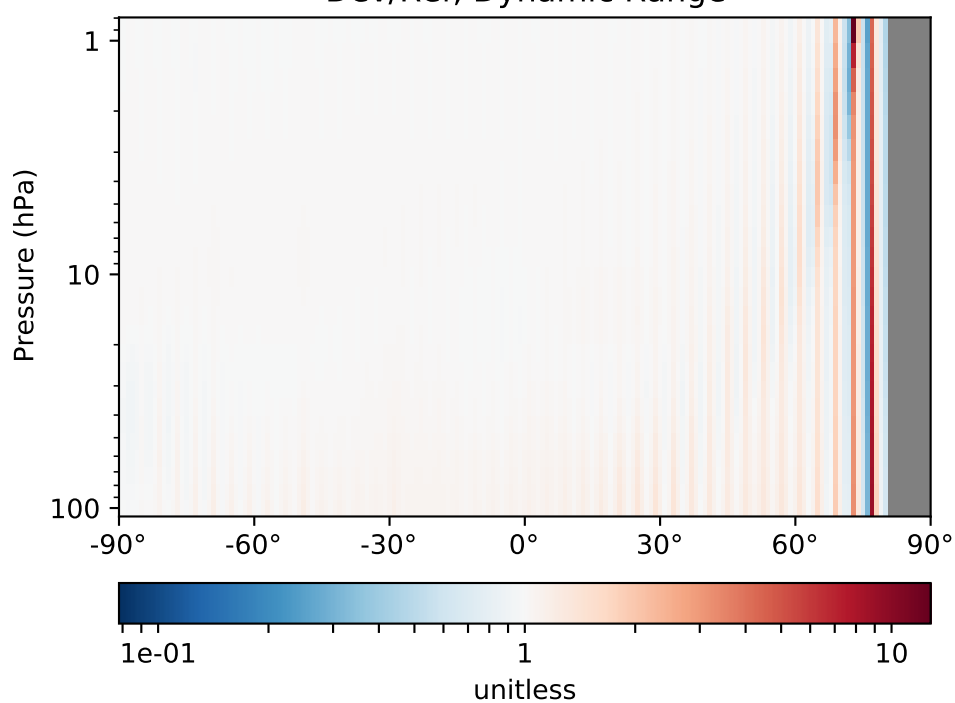
Difference (1x1.25)
Dev - Ref, Dynamic Range



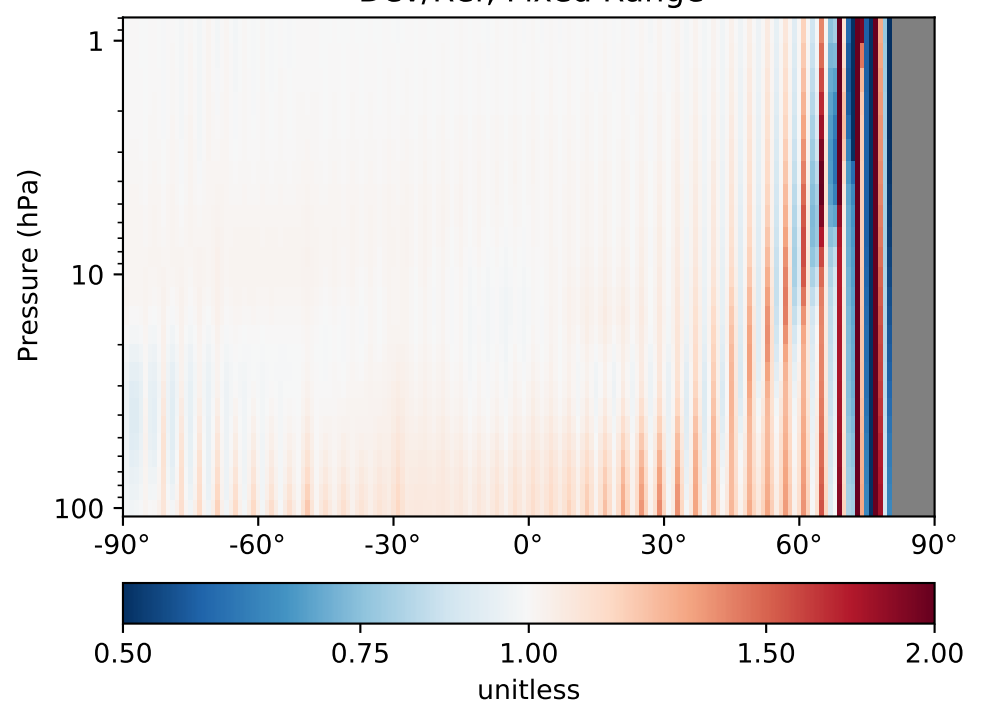
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

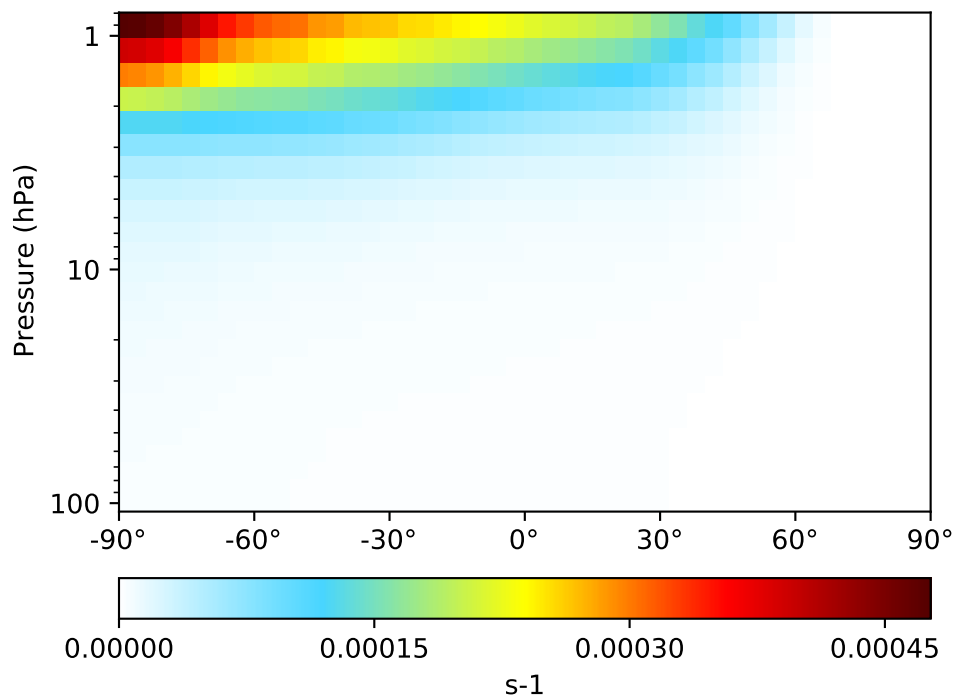


Ratio (1x1.25)
Dev/Ref, Fixed Range

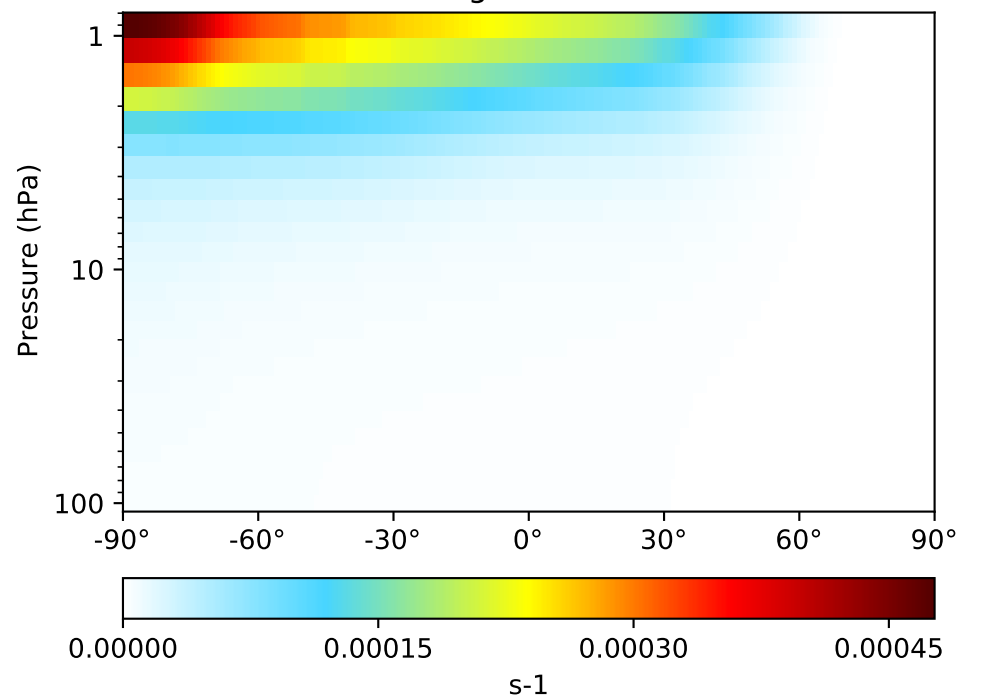


Jval_CH3I, Zonal Mean (Jan2019)

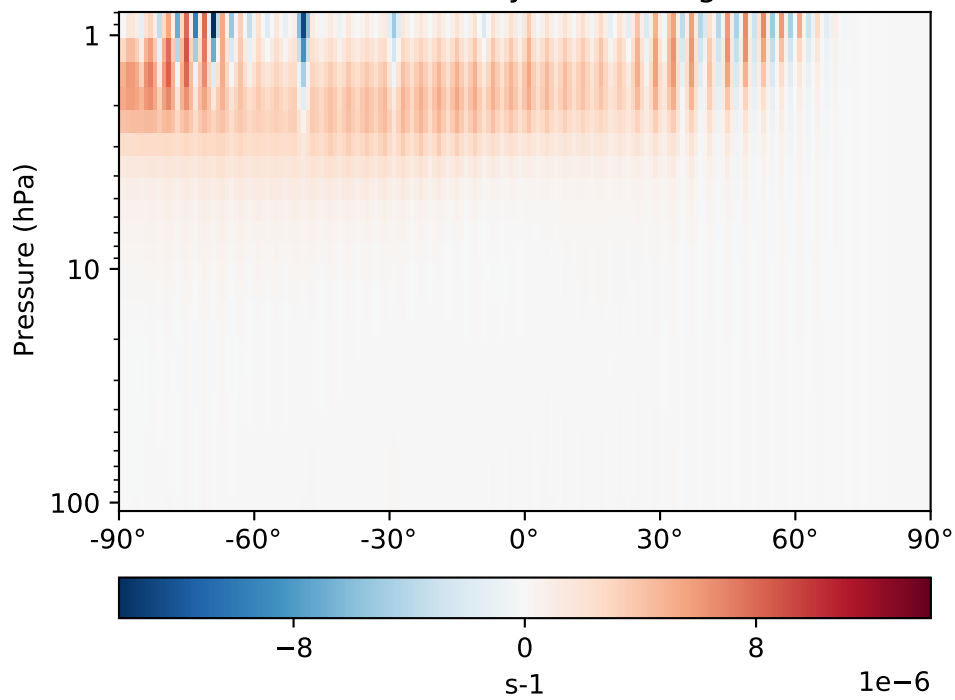
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



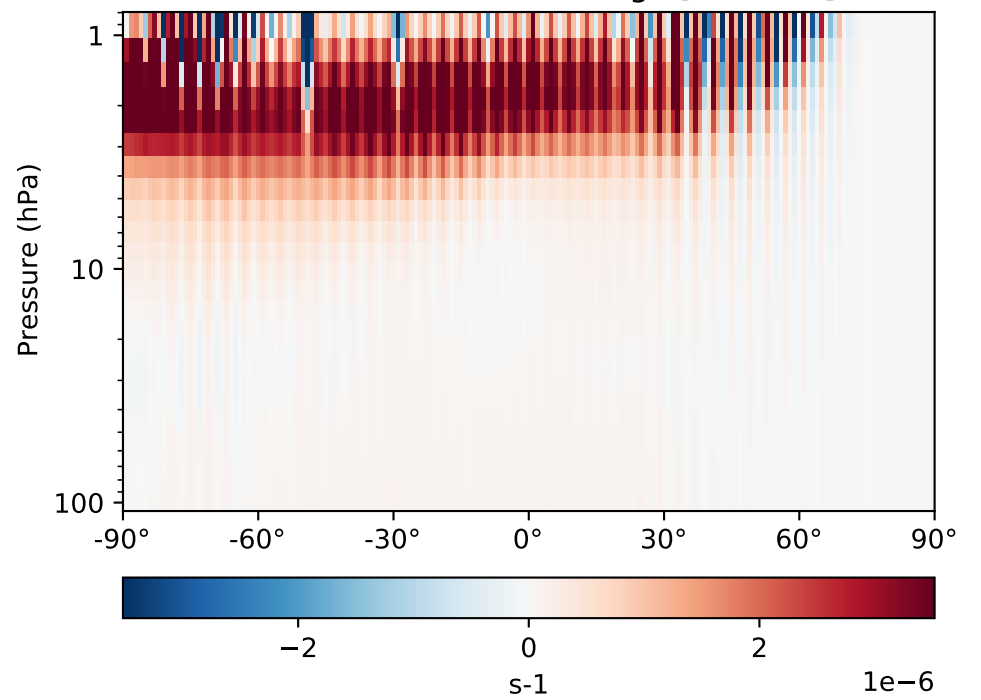
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



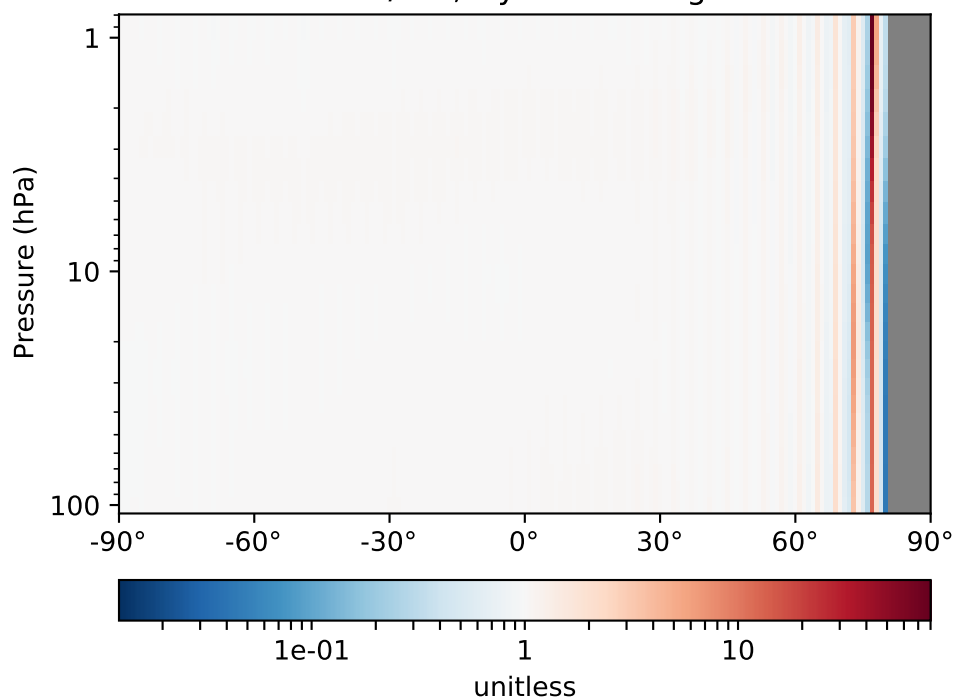
Difference (1x1.25)
Dev - Ref, Dynamic Range



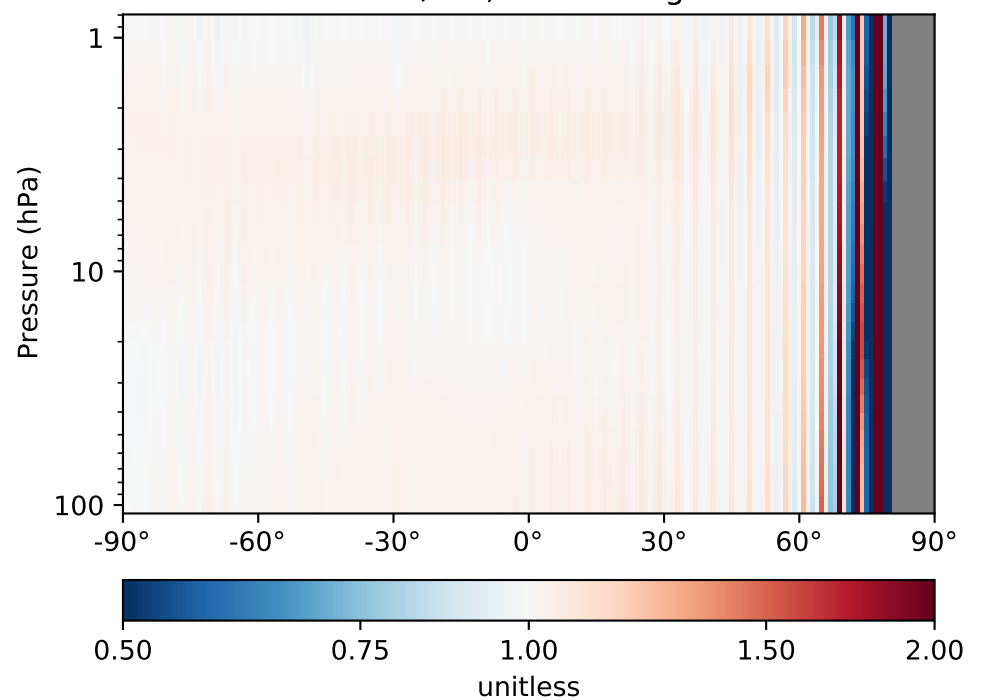
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

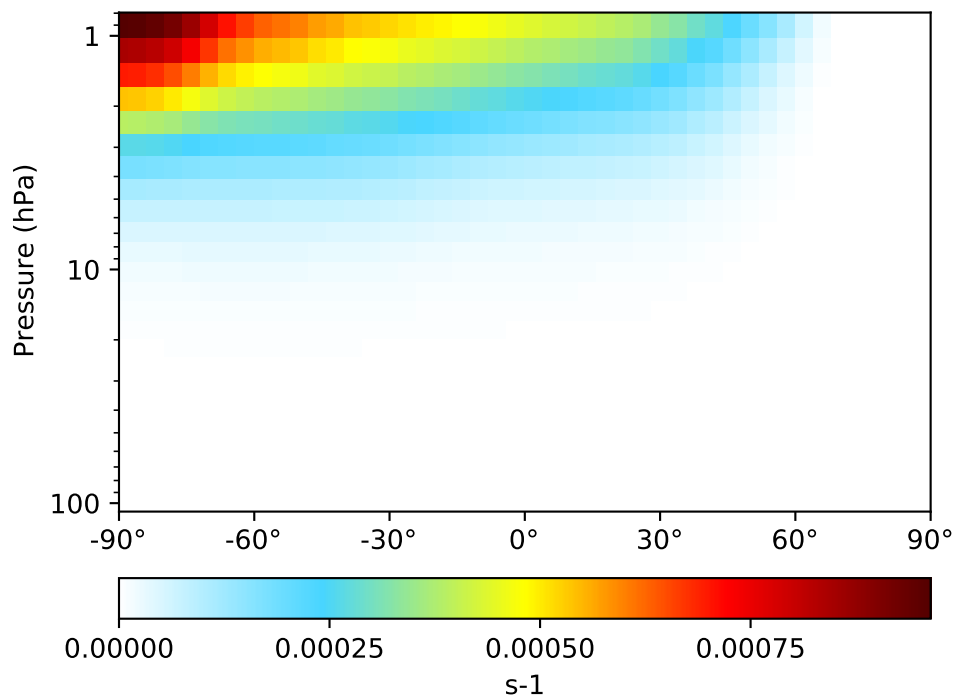


Ratio (1x1.25)
Dev/Ref, Fixed Range

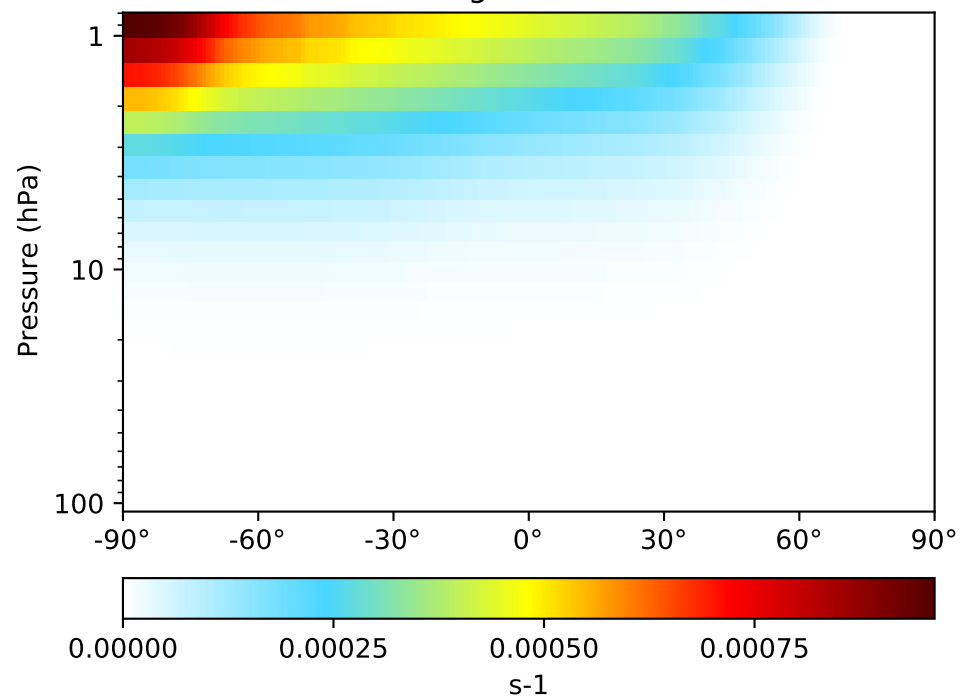


Jval_CHBr3, Zonal Mean (Jan2019)

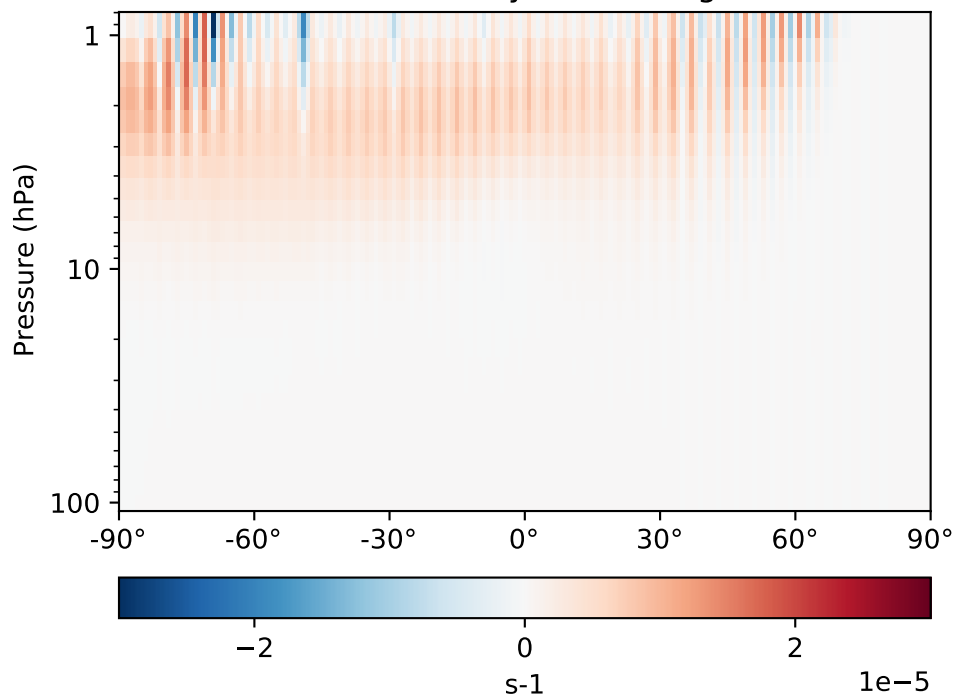
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



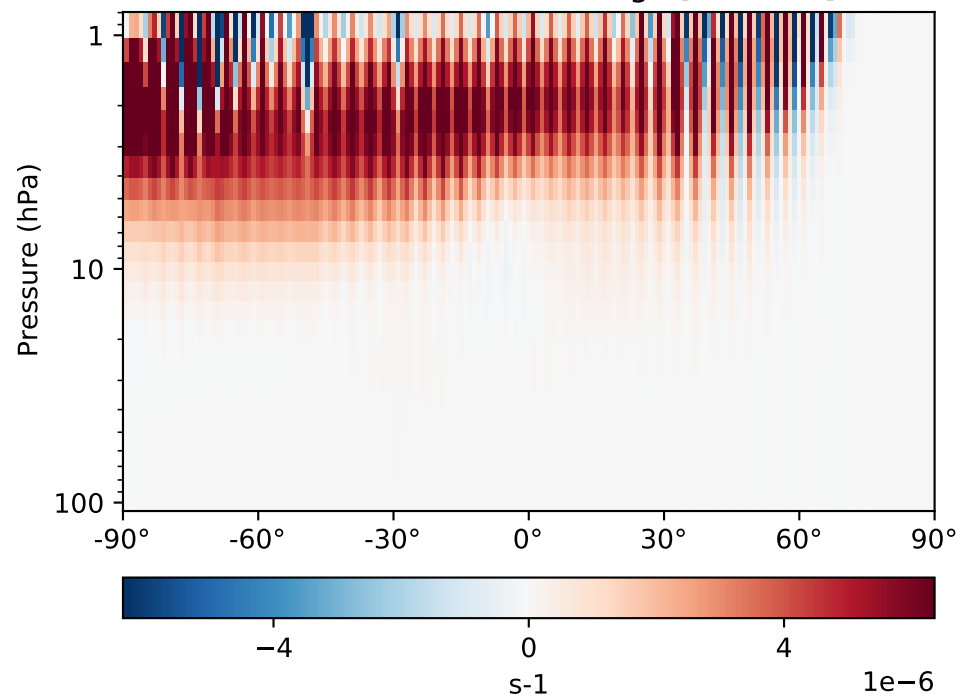
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regridged from c48



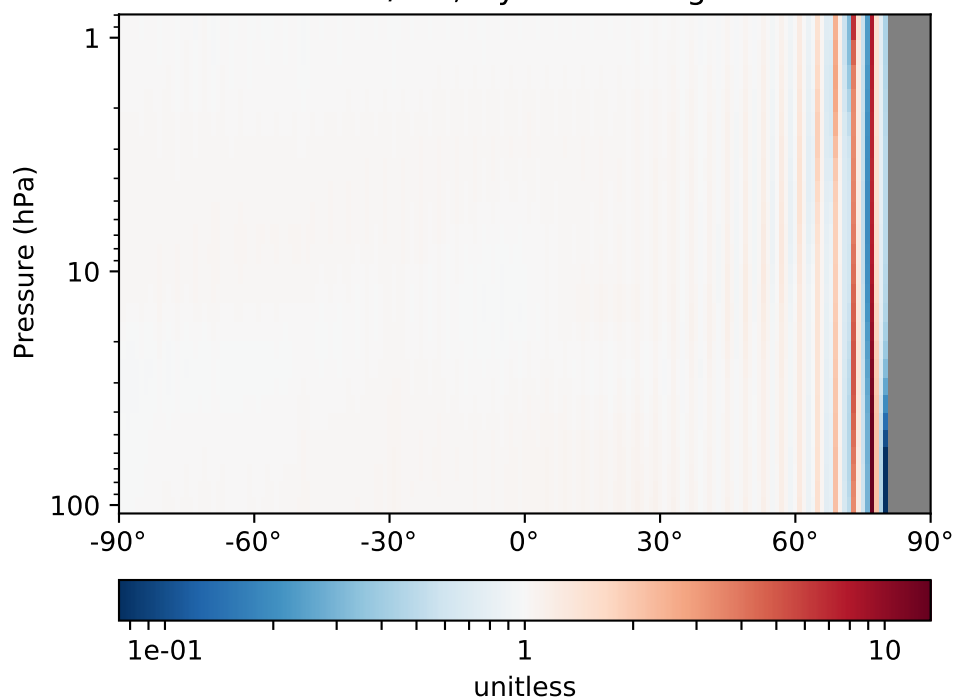
Difference (1x1.25)
Dev - Ref, Dynamic Range



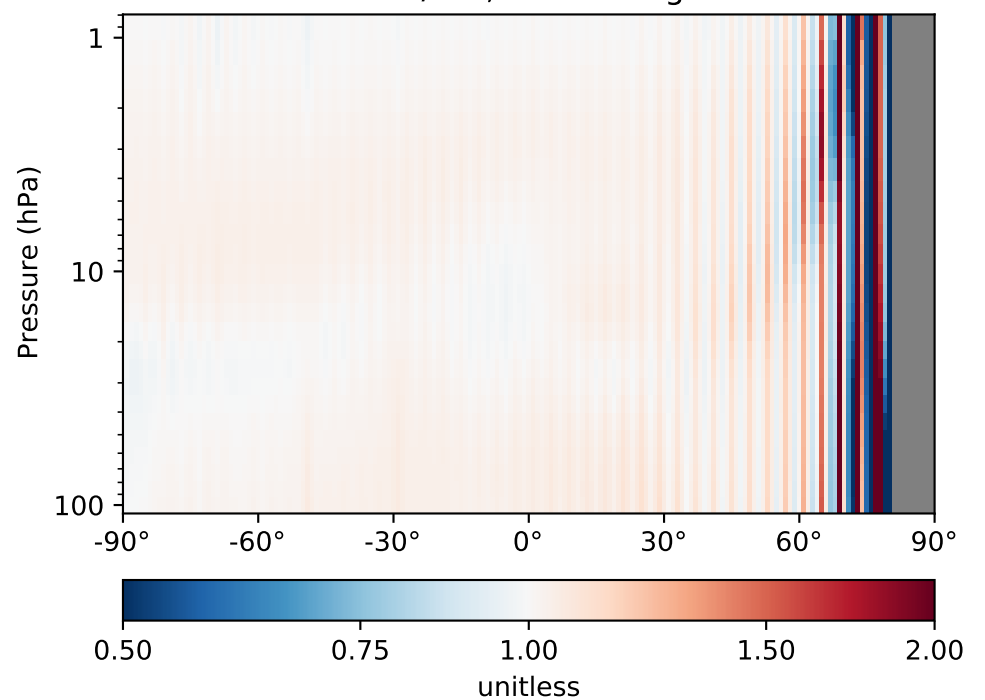
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

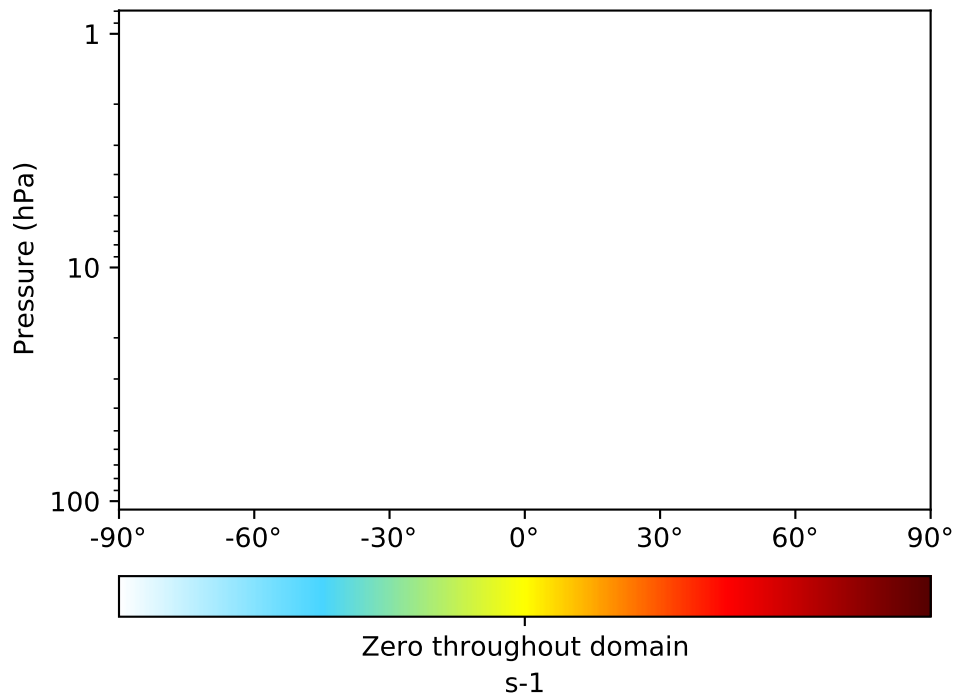


Ratio (1x1.25)
Dev/Ref, Fixed Range

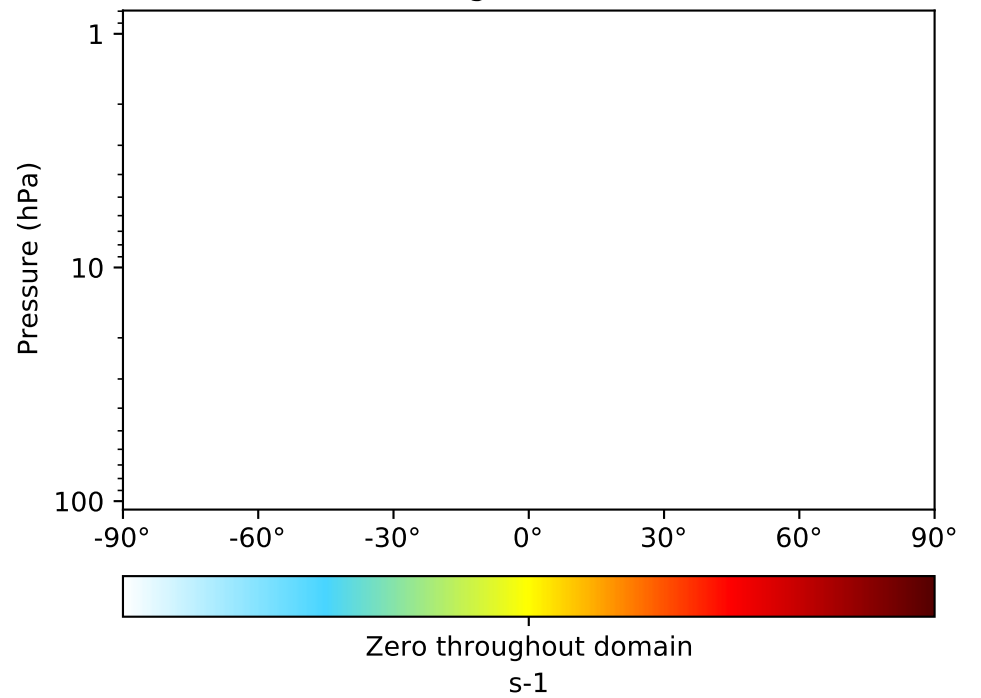


Jval_CHCl3, Zonal Mean (Jan2019)

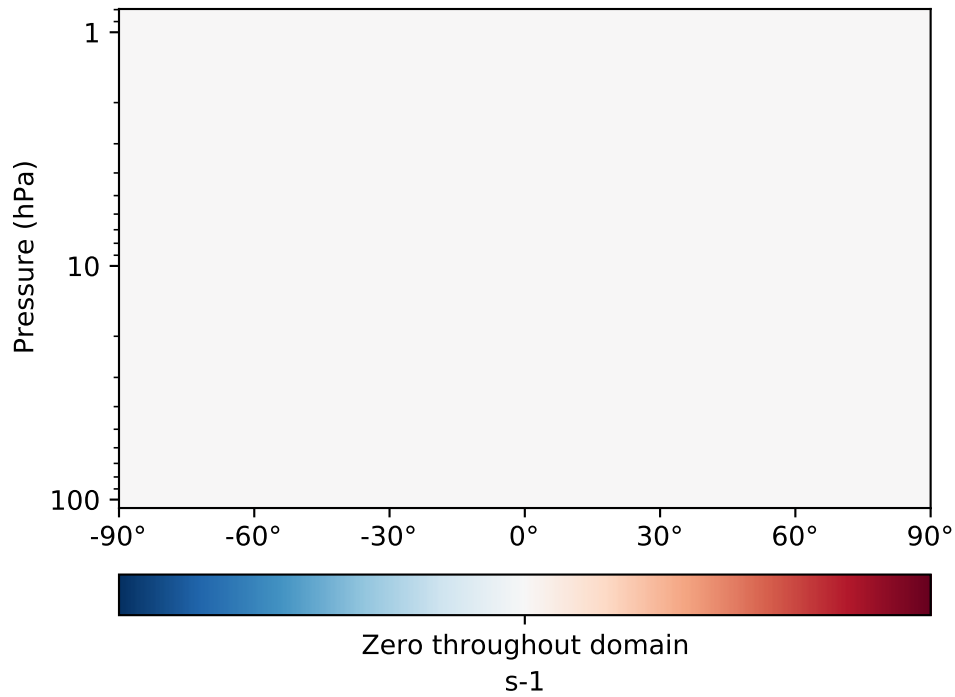
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



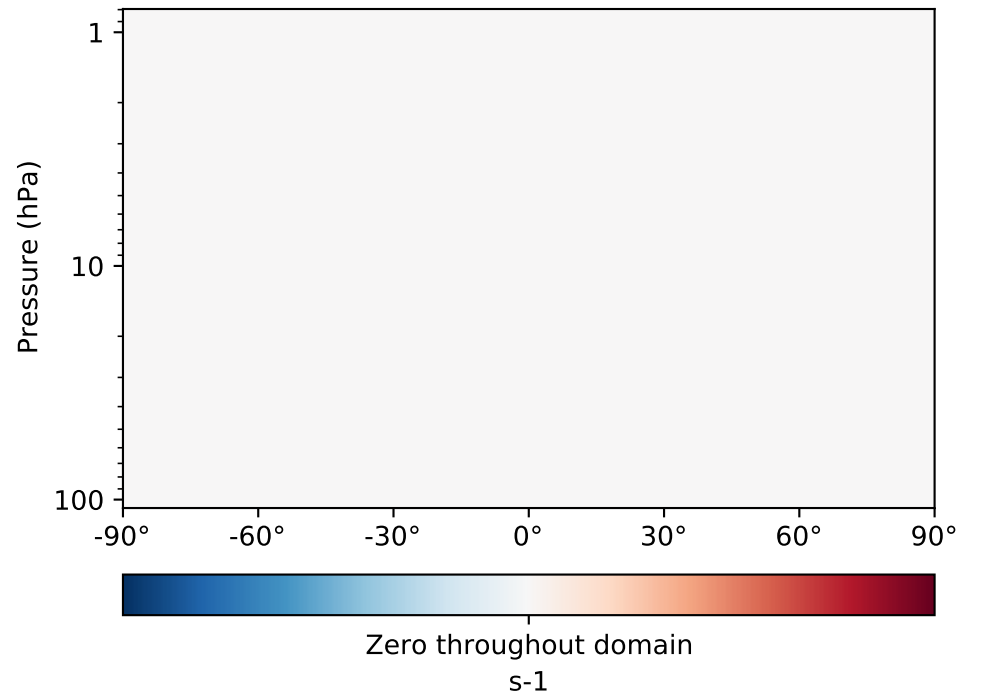
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



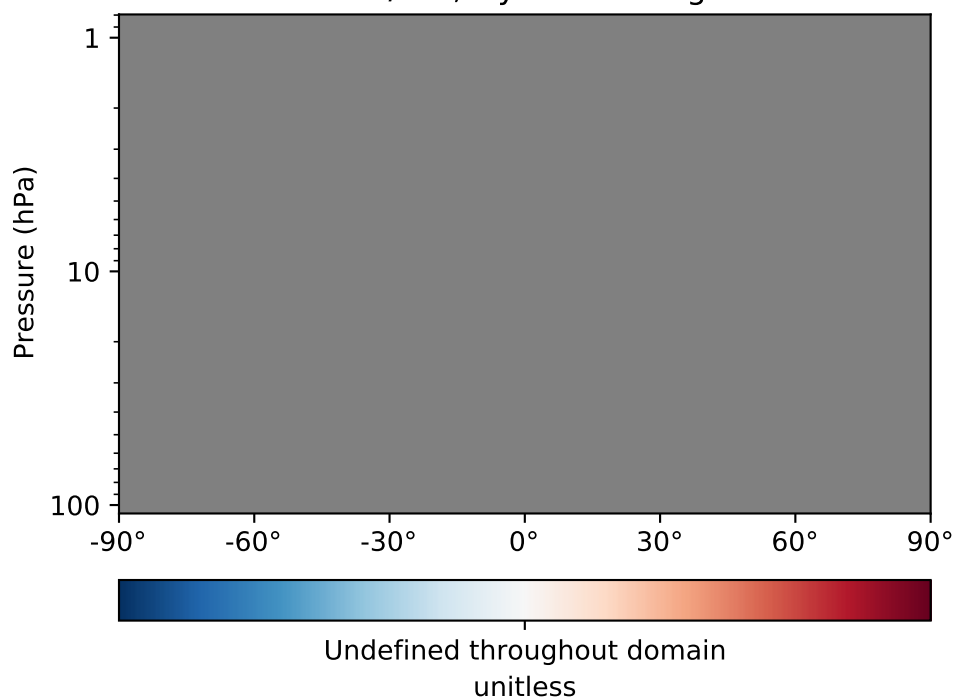
Difference (1x1.25)
Dev - Ref, Dynamic Range



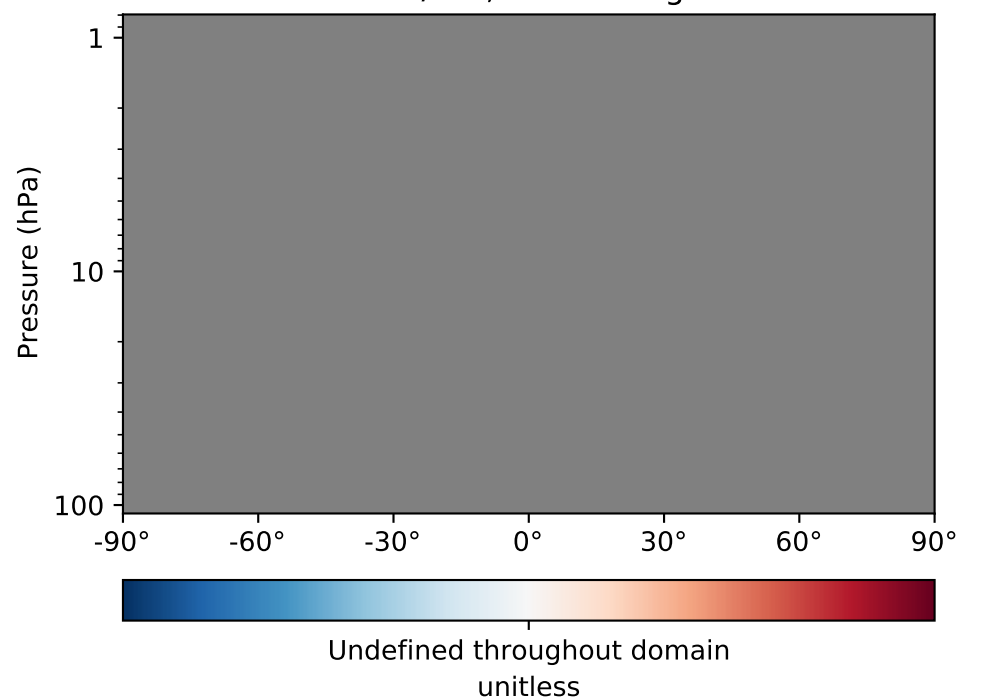
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

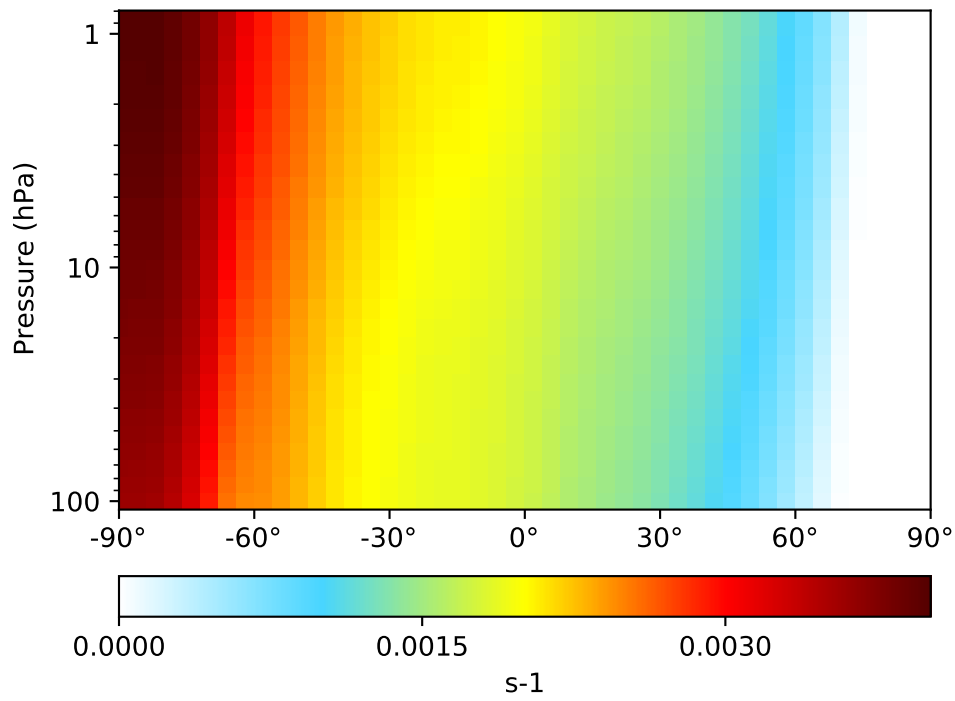


Ratio (1x1.25)
Dev/Ref, Fixed Range

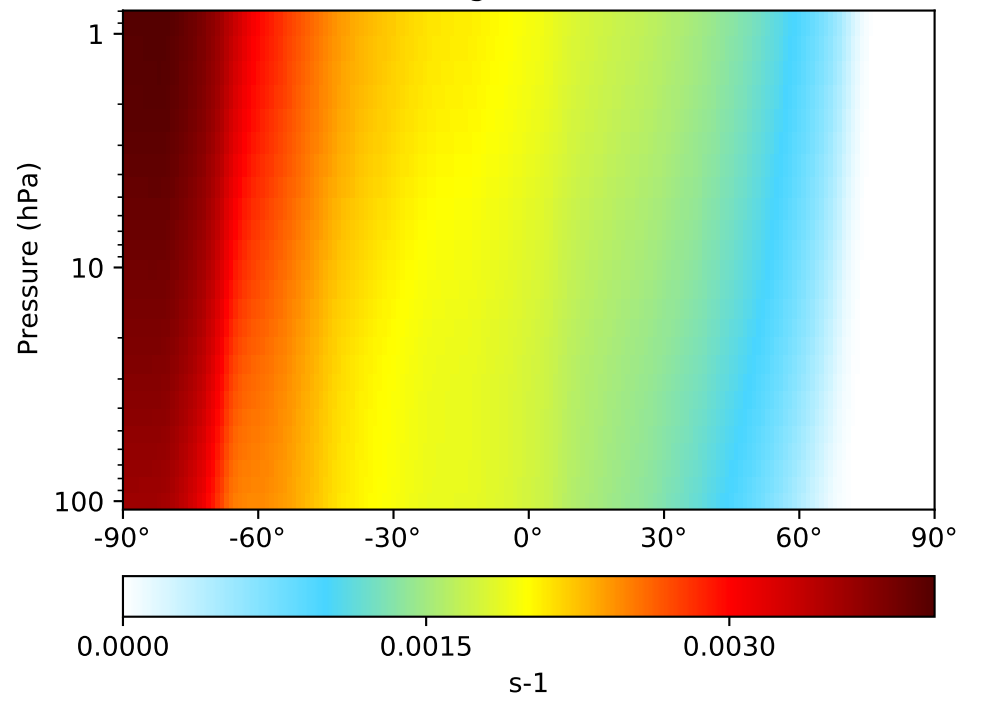


Jval_Cl2, Zonal Mean (Jan2019)

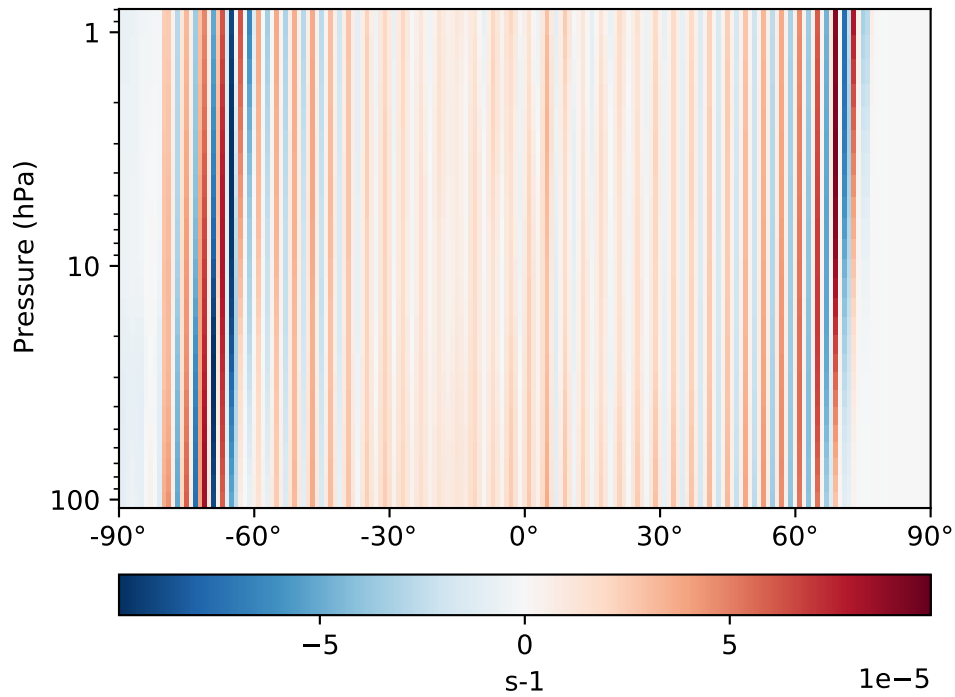
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



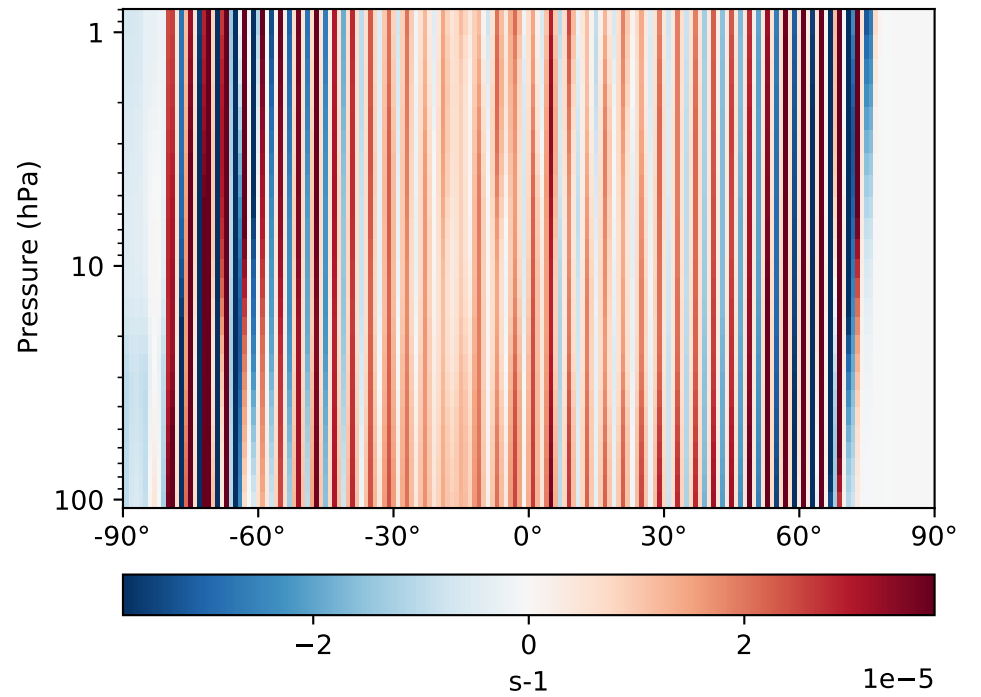
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regridged from c48



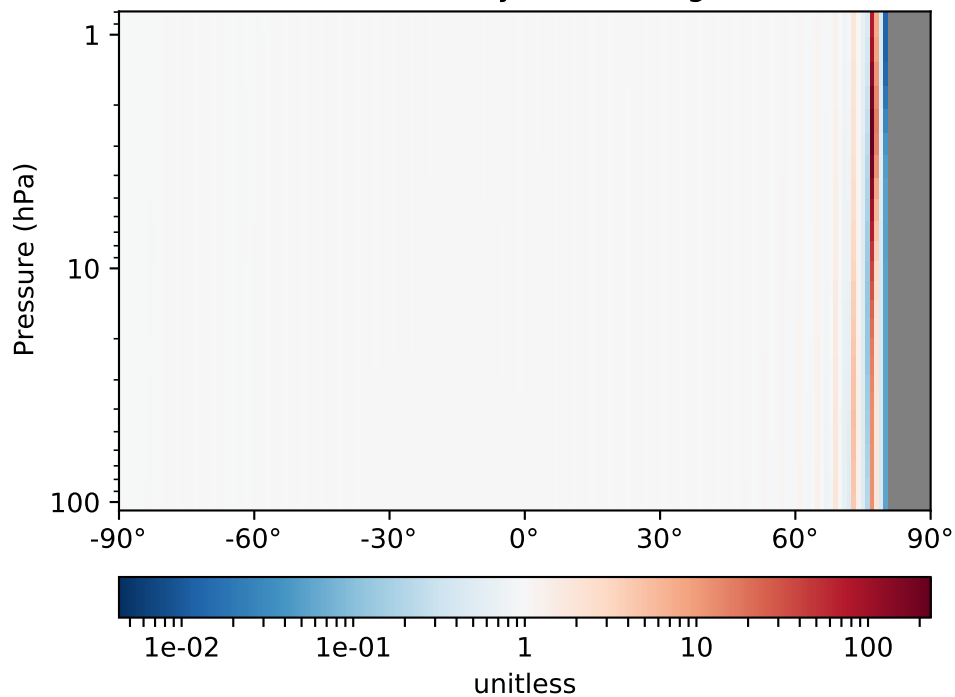
Difference (1x1.25)
Dev - Ref, Dynamic Range



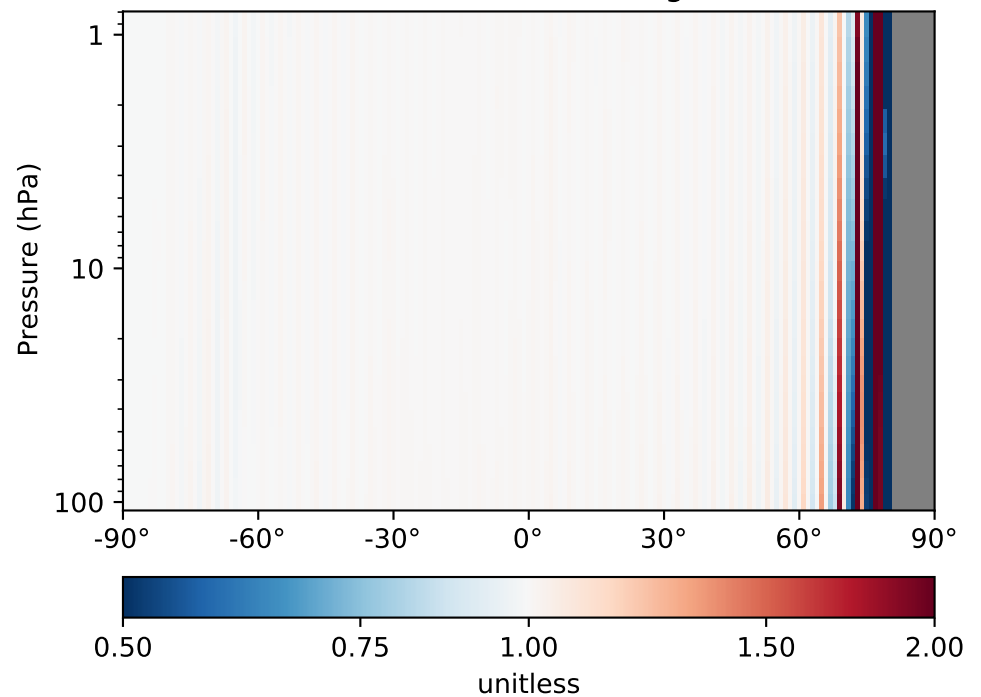
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

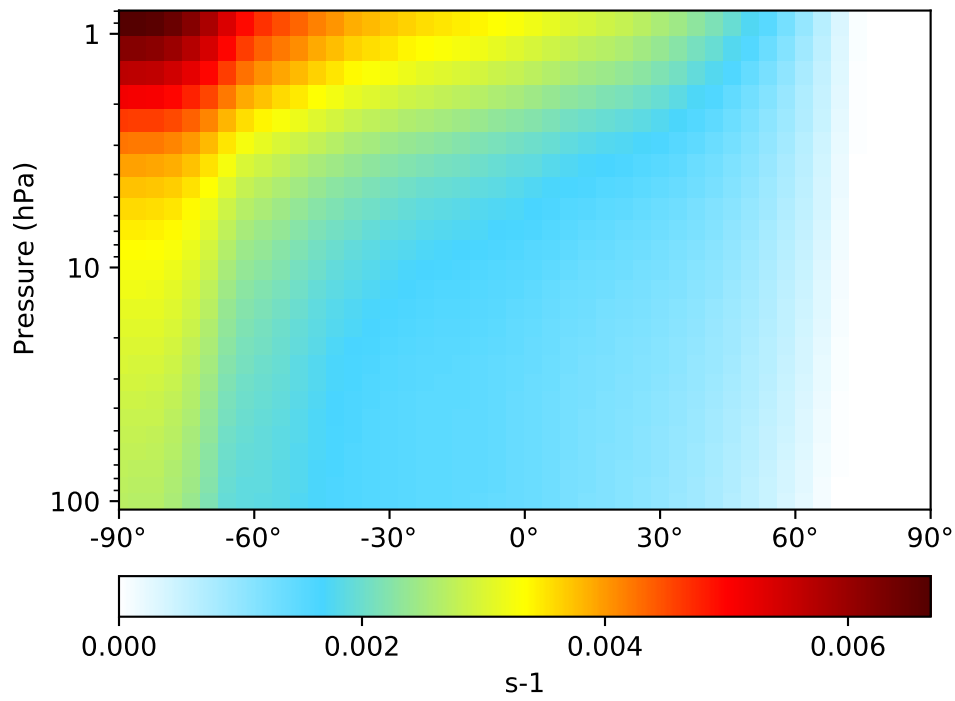


Ratio (1x1.25)
Dev/Ref, Fixed Range

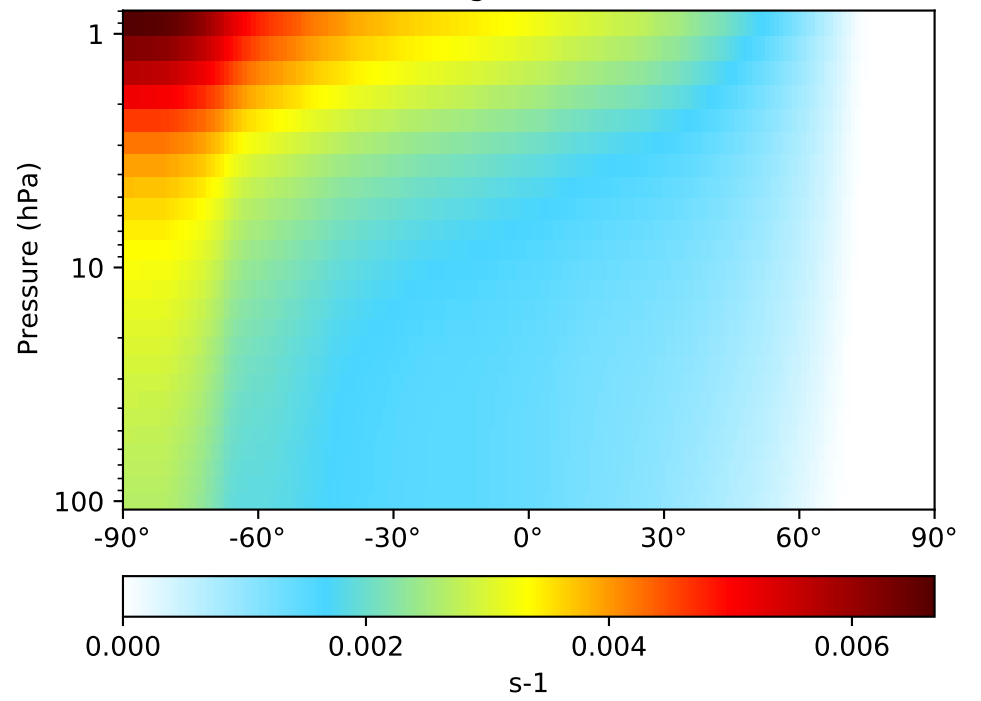


Jval_Cl2O2, Zonal Mean (Jan2019)

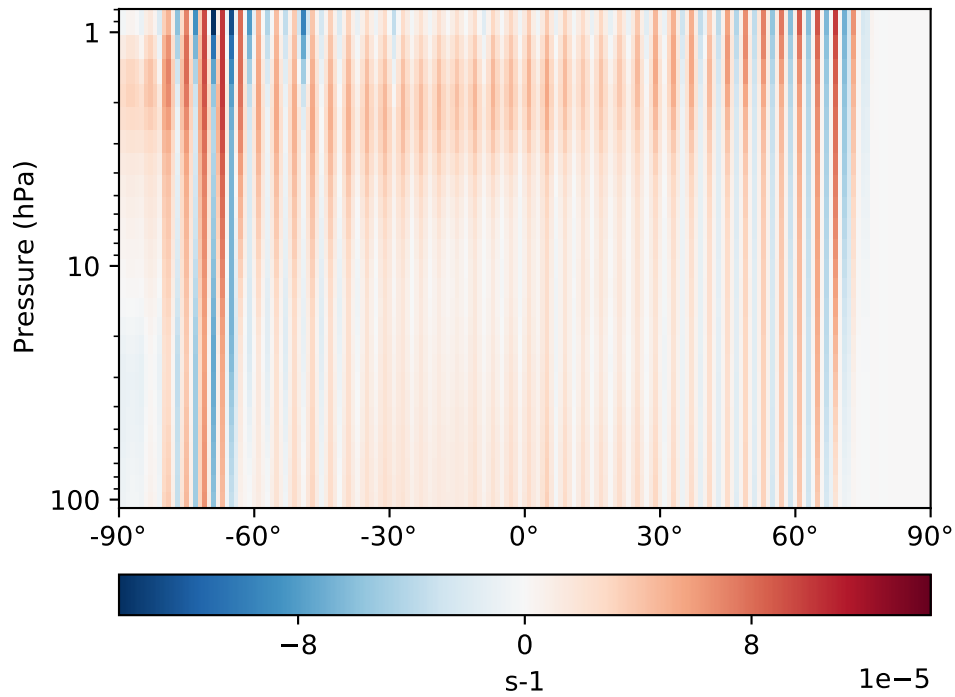
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



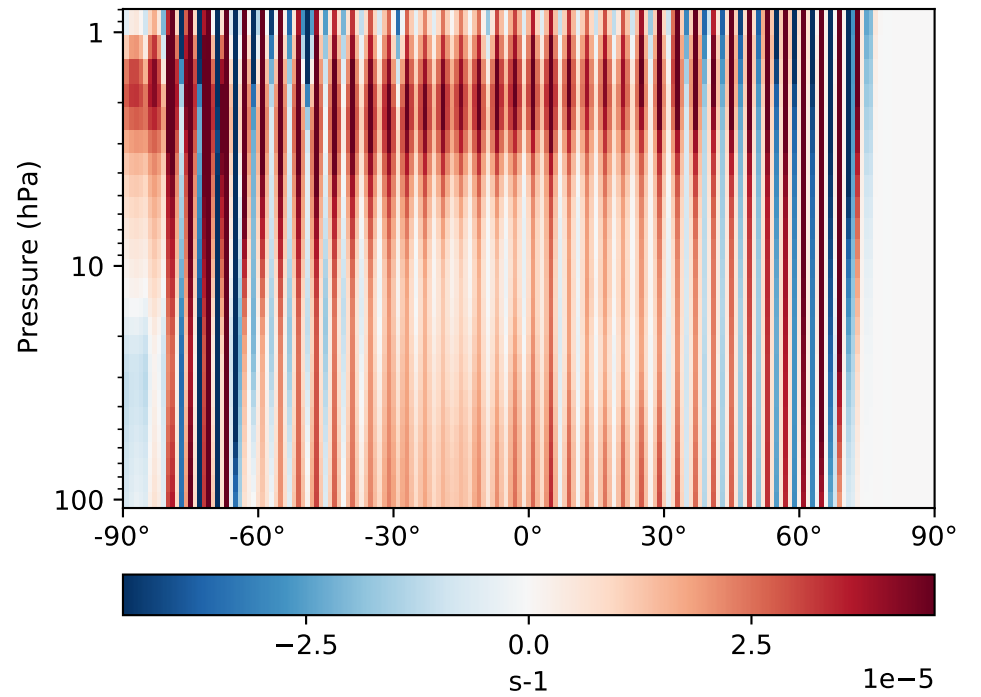
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



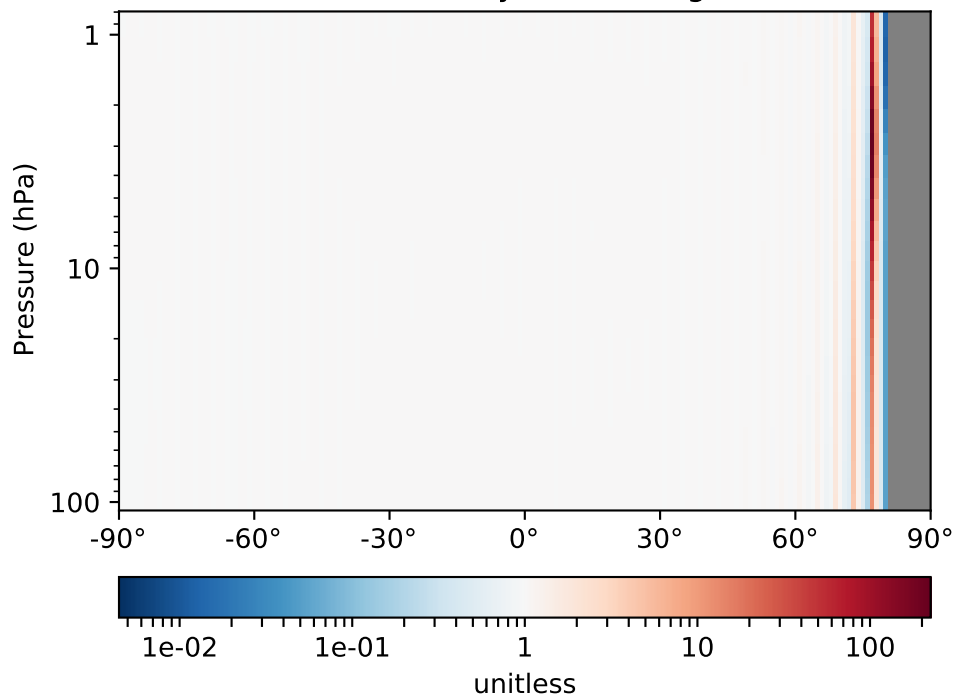
Difference (1x1.25)
Dev - Ref, Dynamic Range



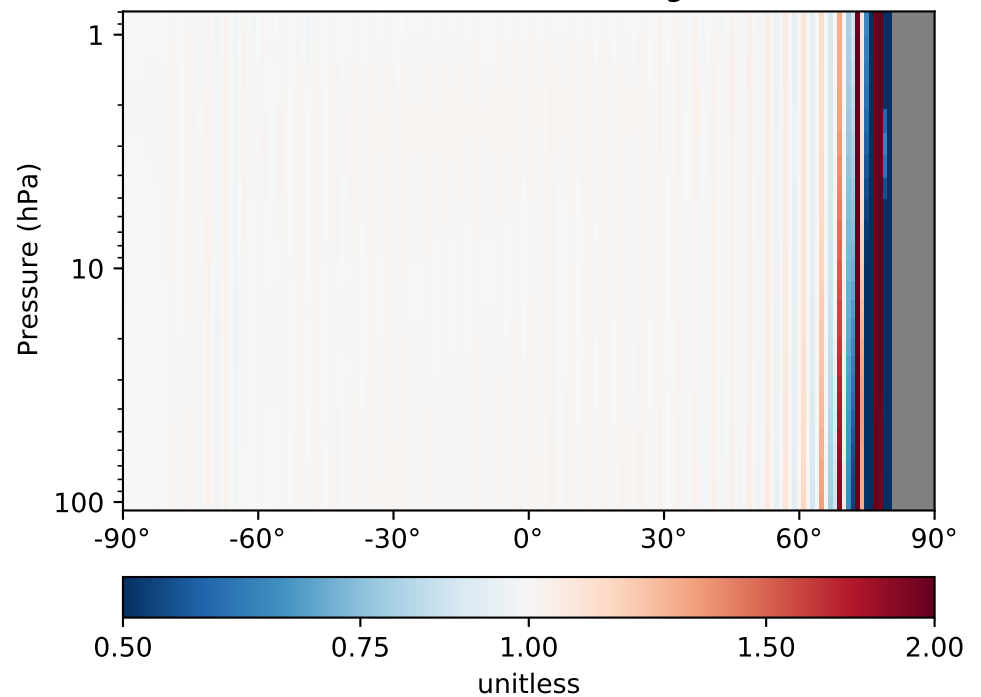
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

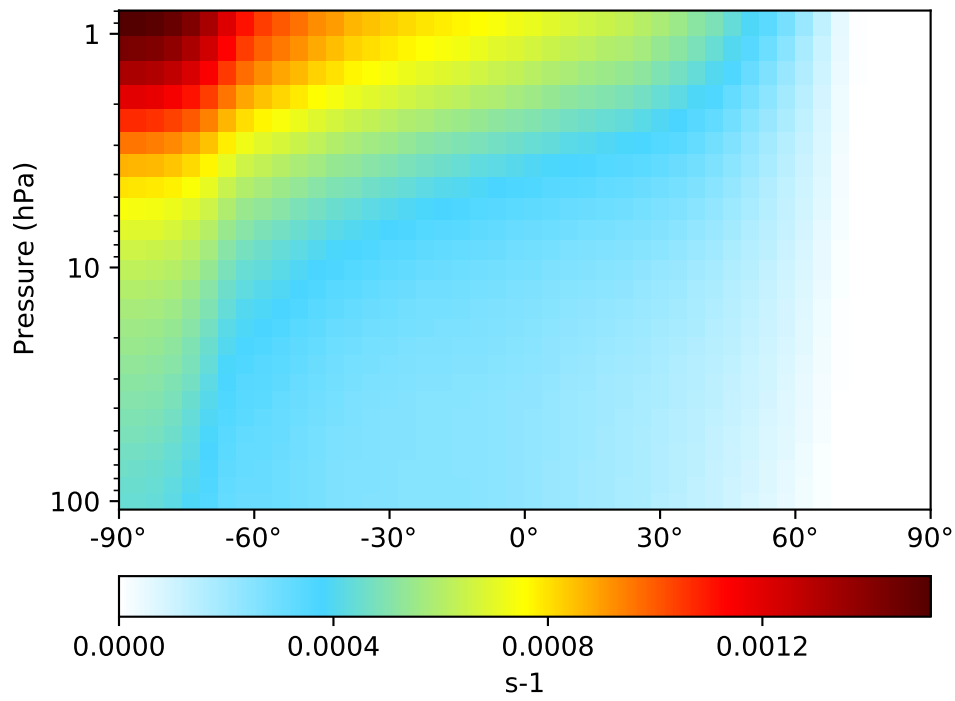


Ratio (1x1.25)
Dev/Ref, Fixed Range

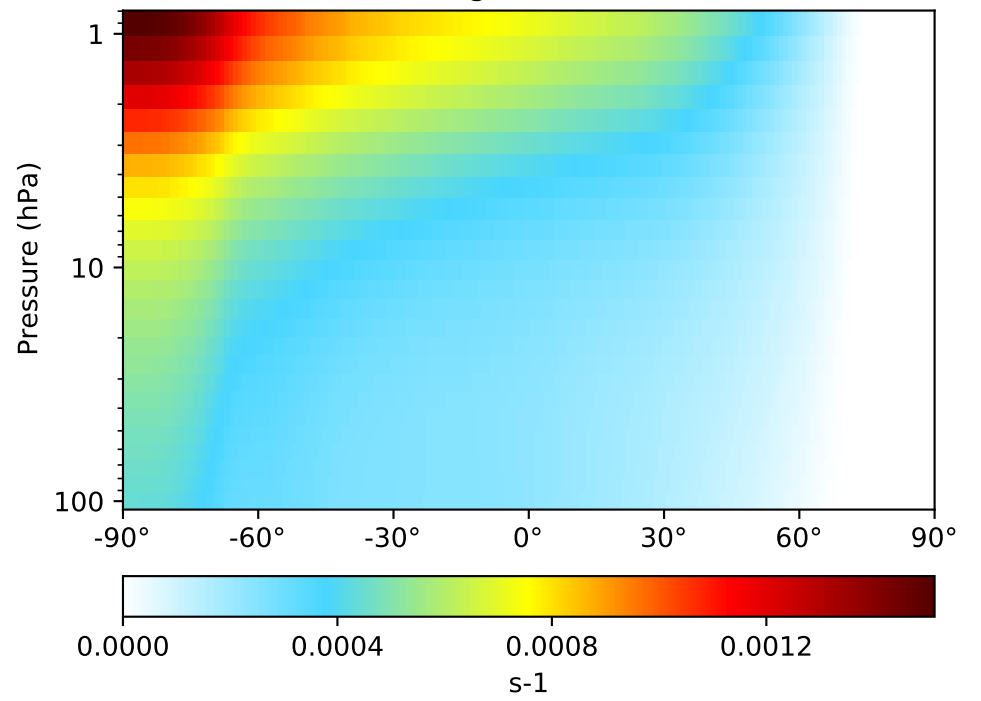


Jval_CIN02, Zonal Mean (Jan2019)

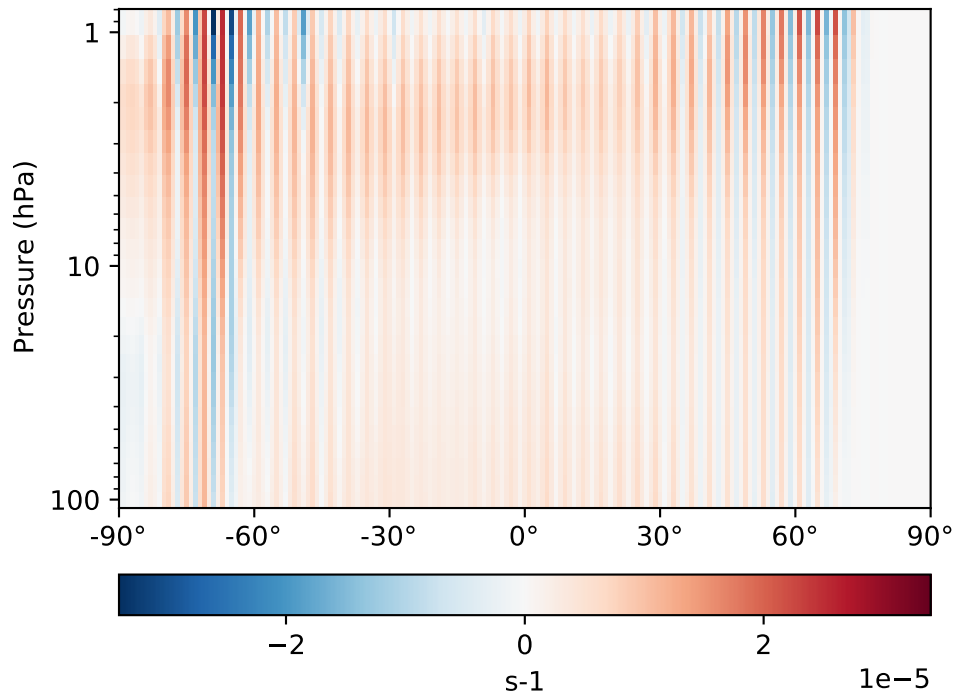
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



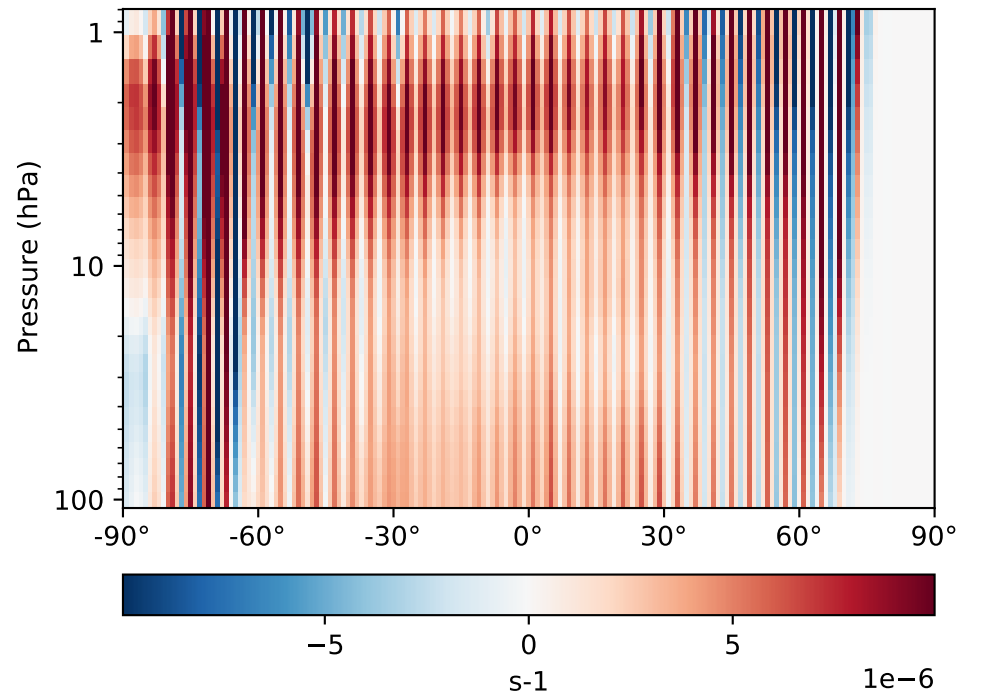
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



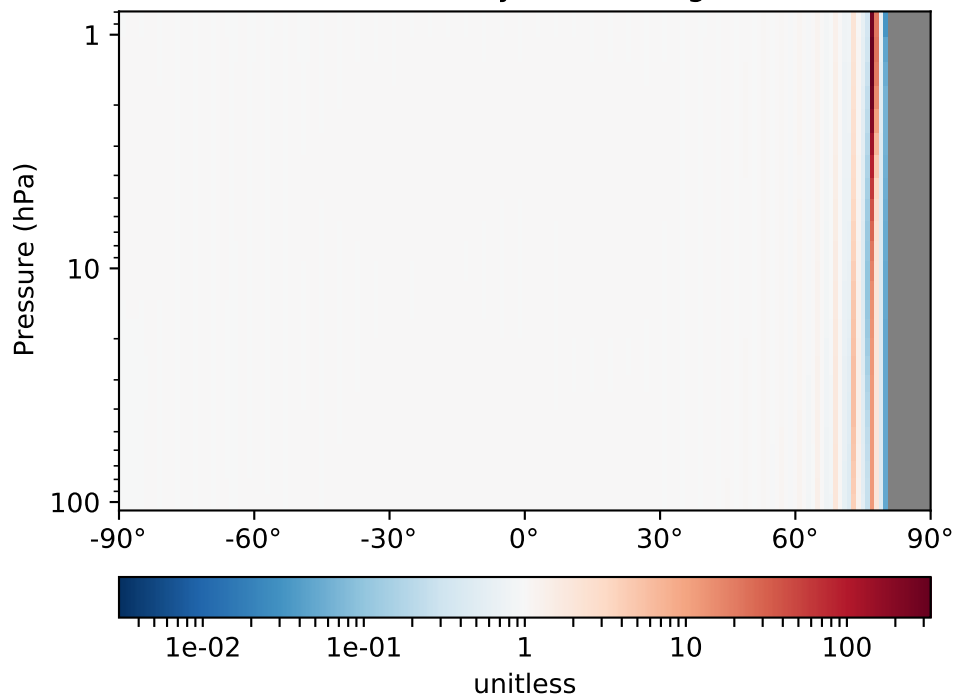
Difference (1x1.25)
Dev - Ref, Dynamic Range



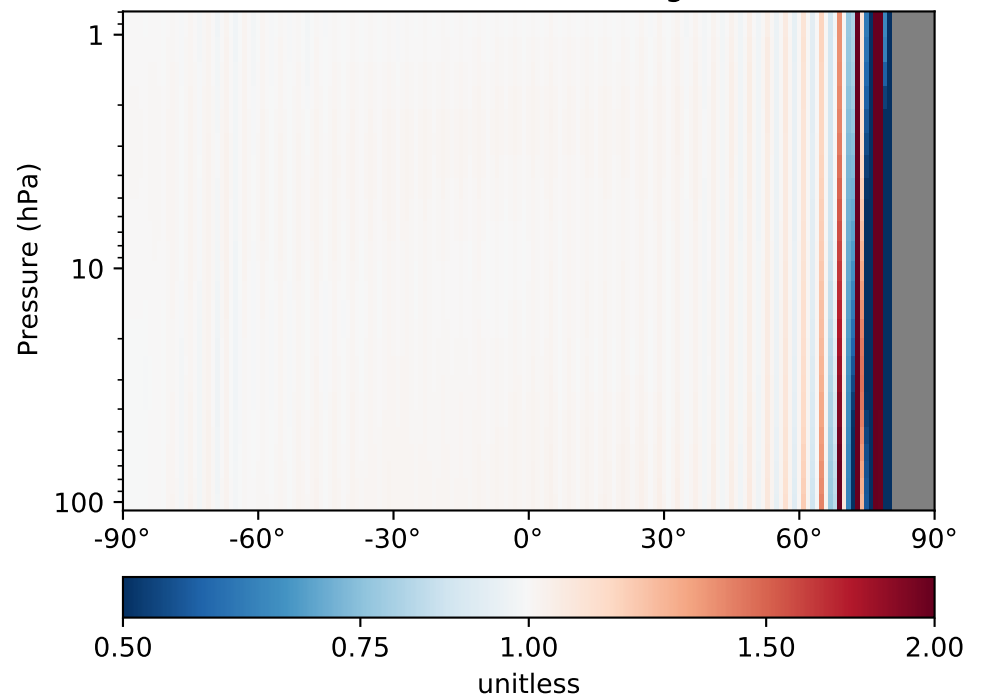
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

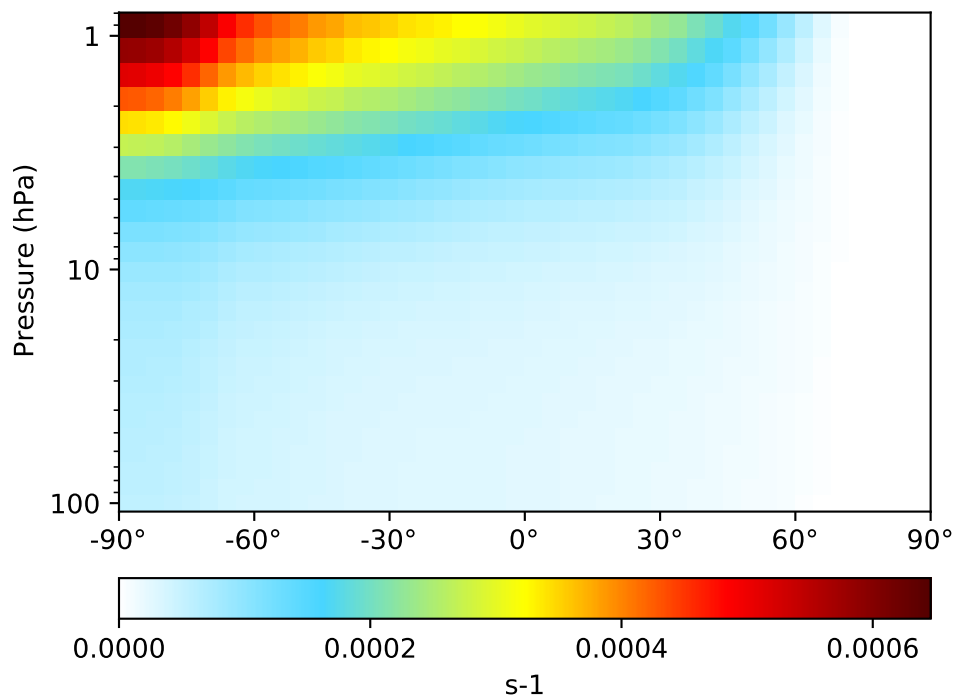


Ratio (1x1.25)
Dev/Ref, Fixed Range

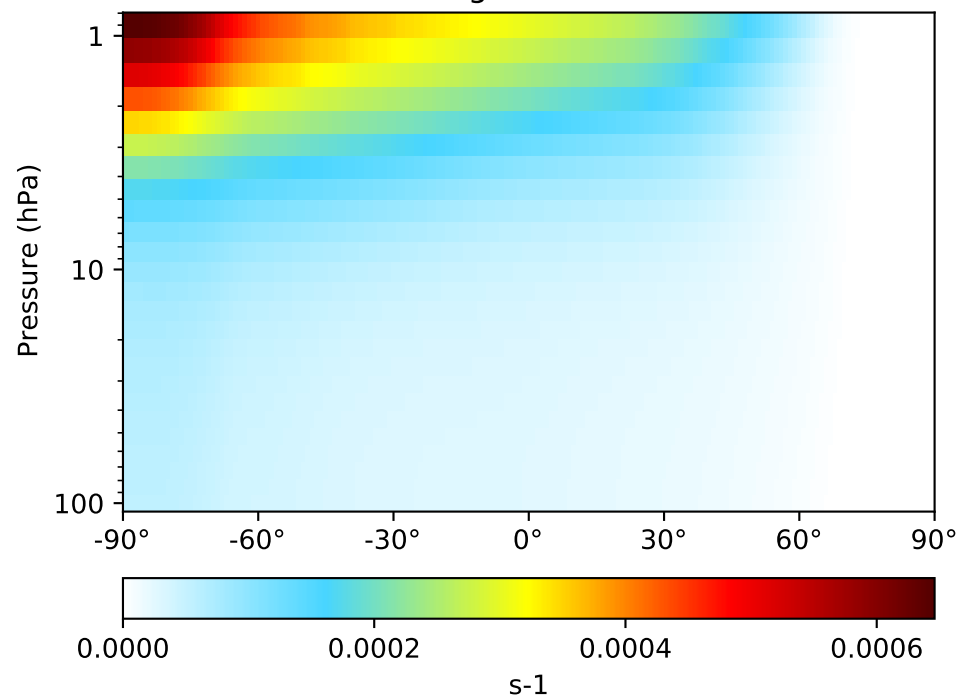


Jval_CIN03, Zonal Mean (Jan2019)

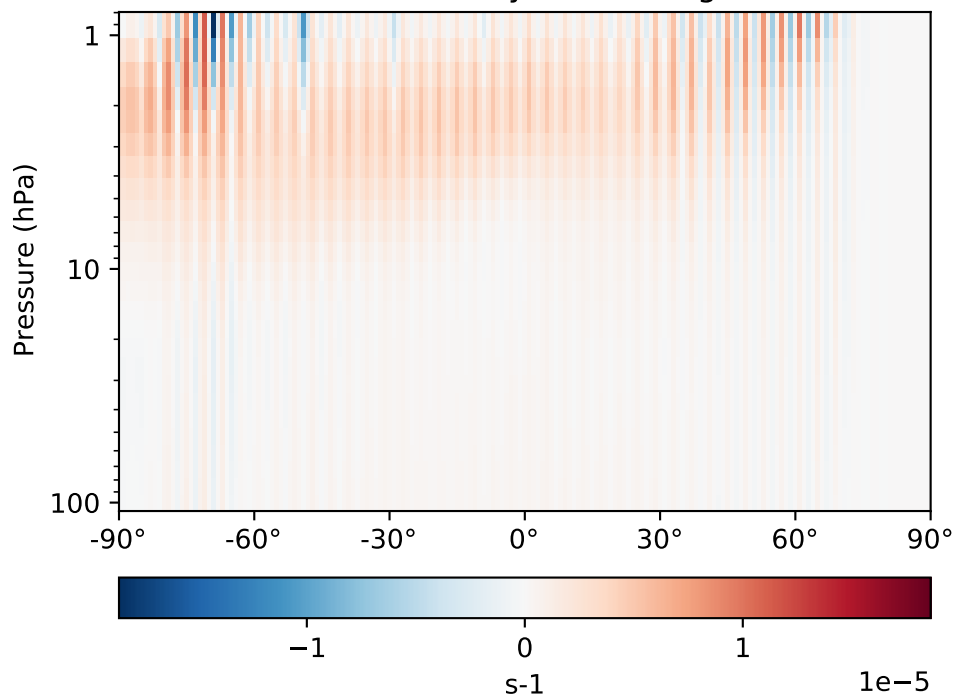
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



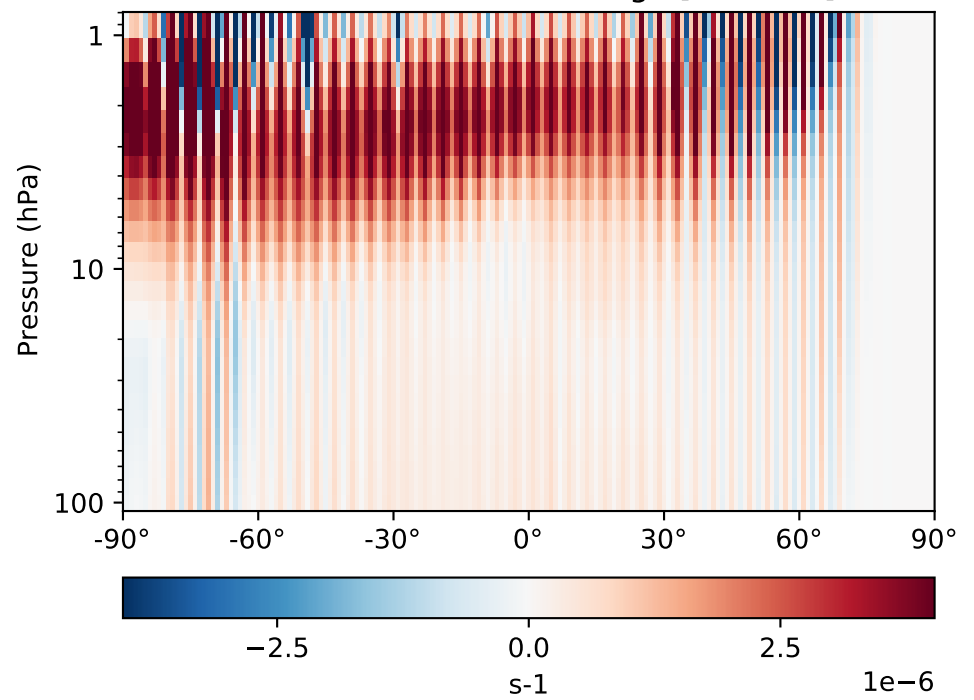
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regridged from c48



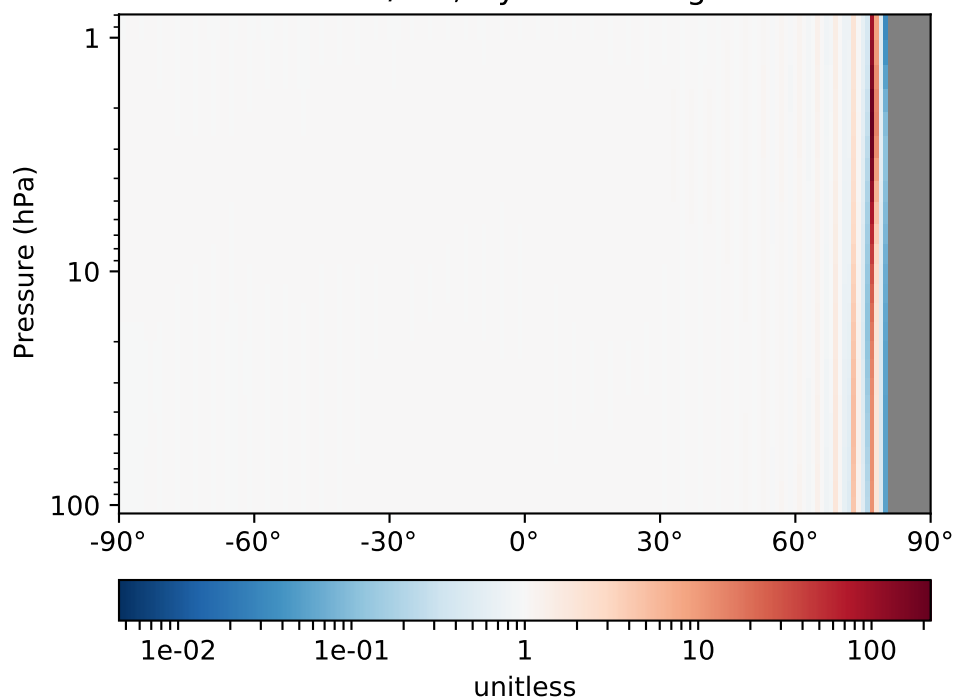
Difference (1x1.25)
Dev - Ref, Dynamic Range



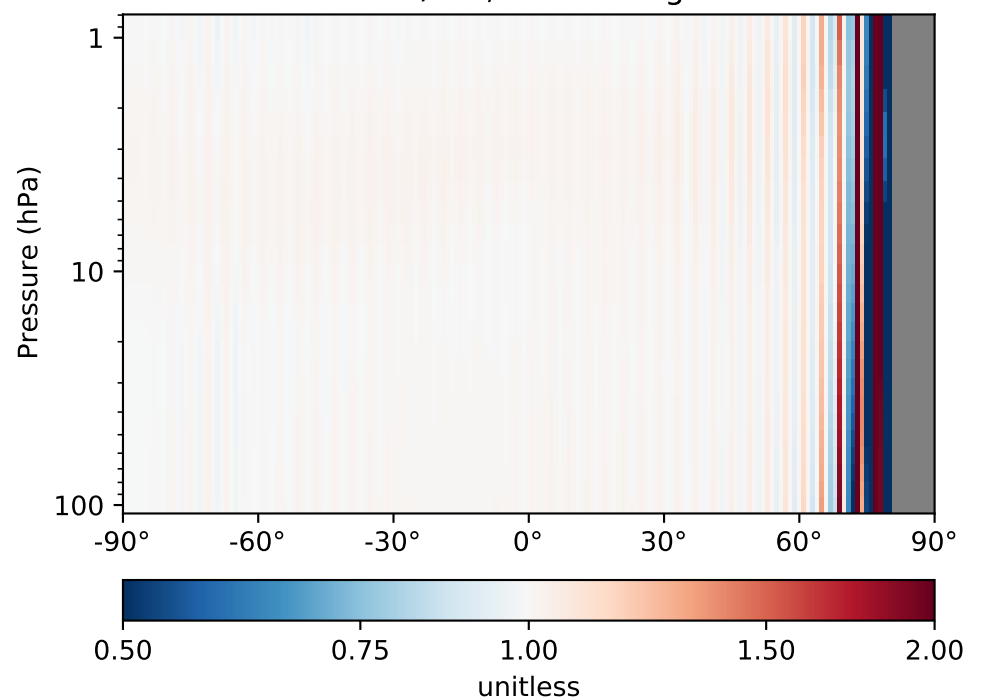
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

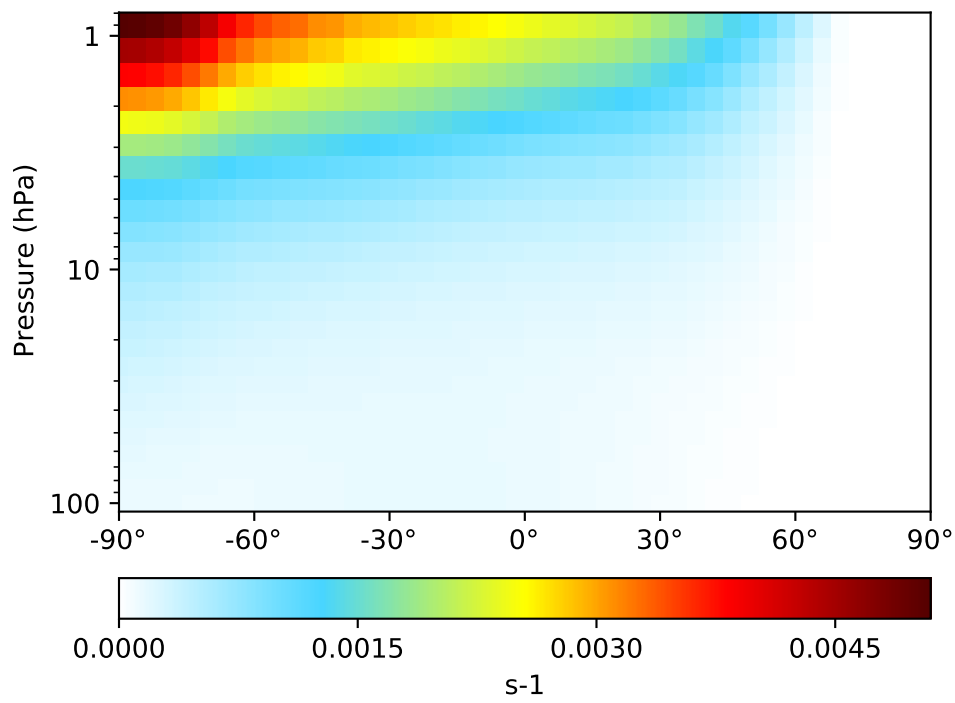


Ratio (1x1.25)
Dev/Ref, Fixed Range

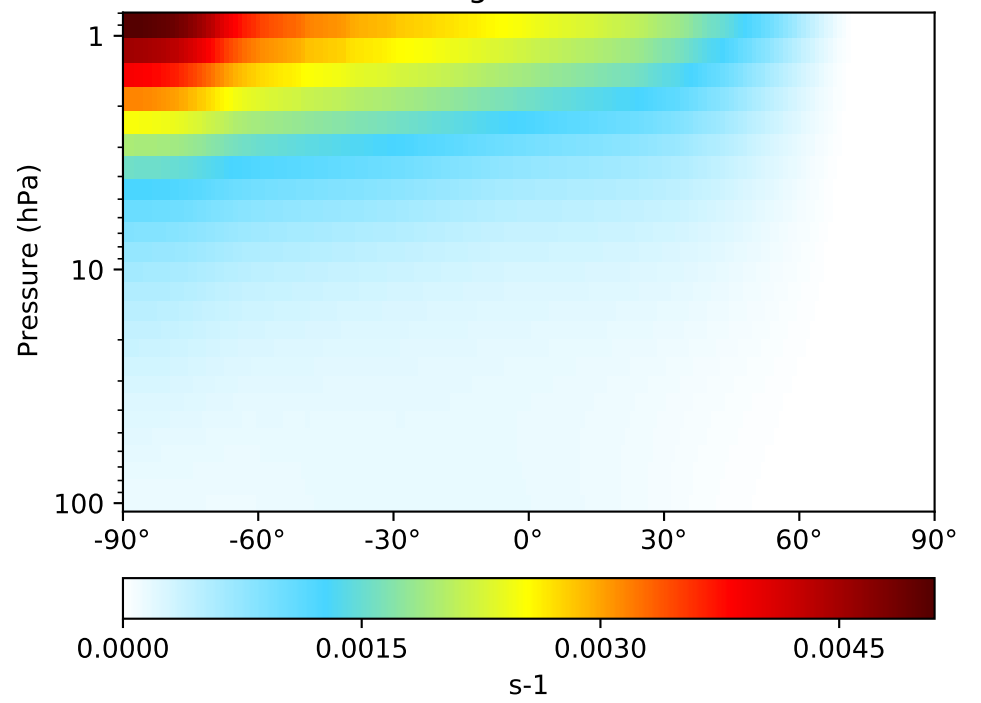


Jval_CIO, Zonal Mean (Jan2019)

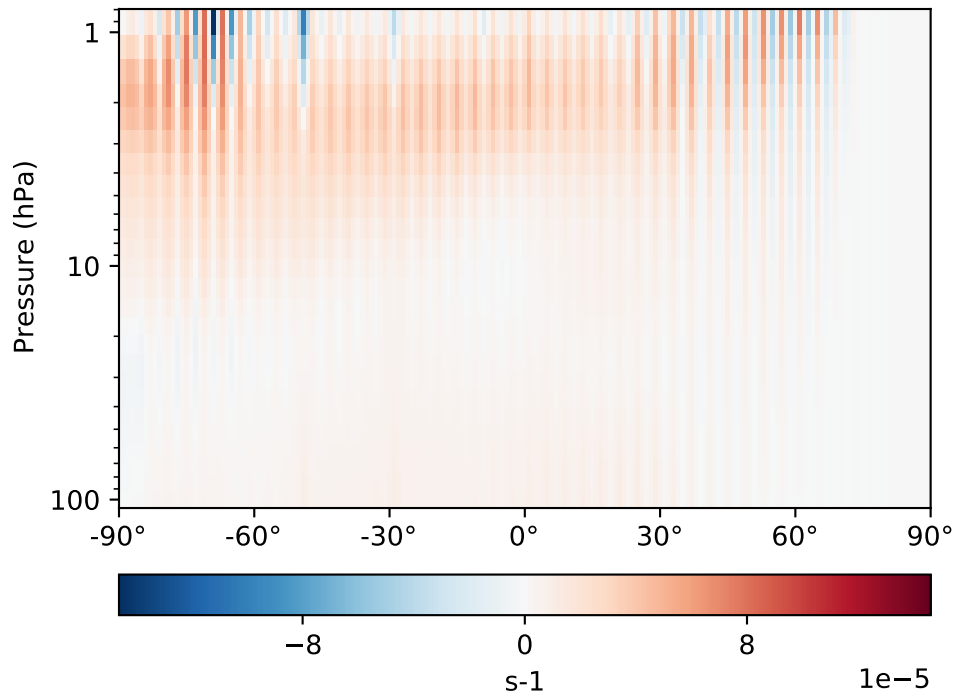
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



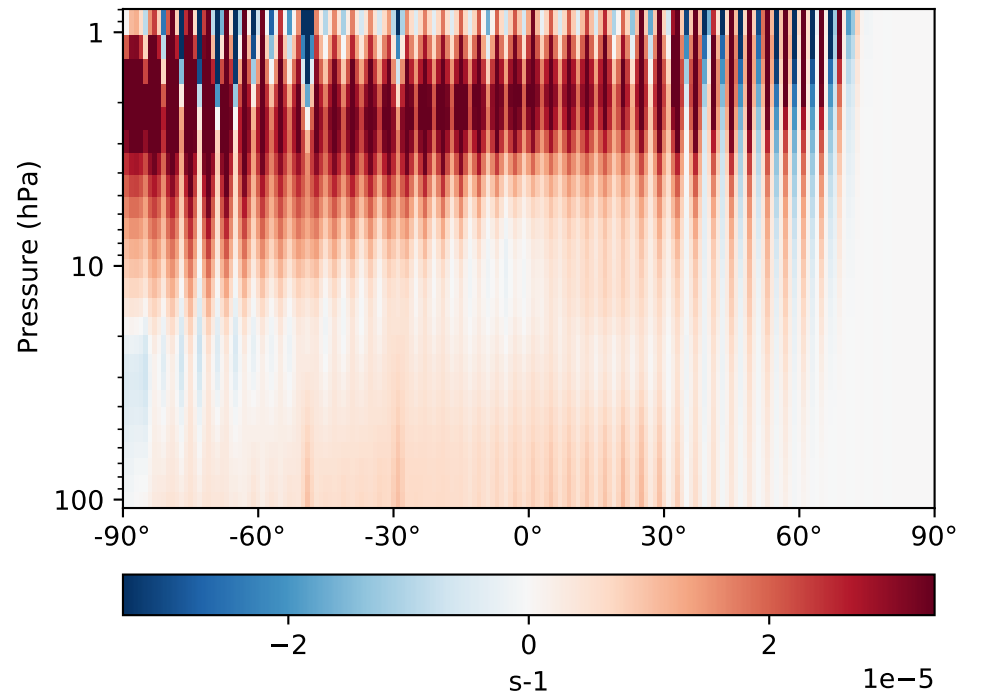
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



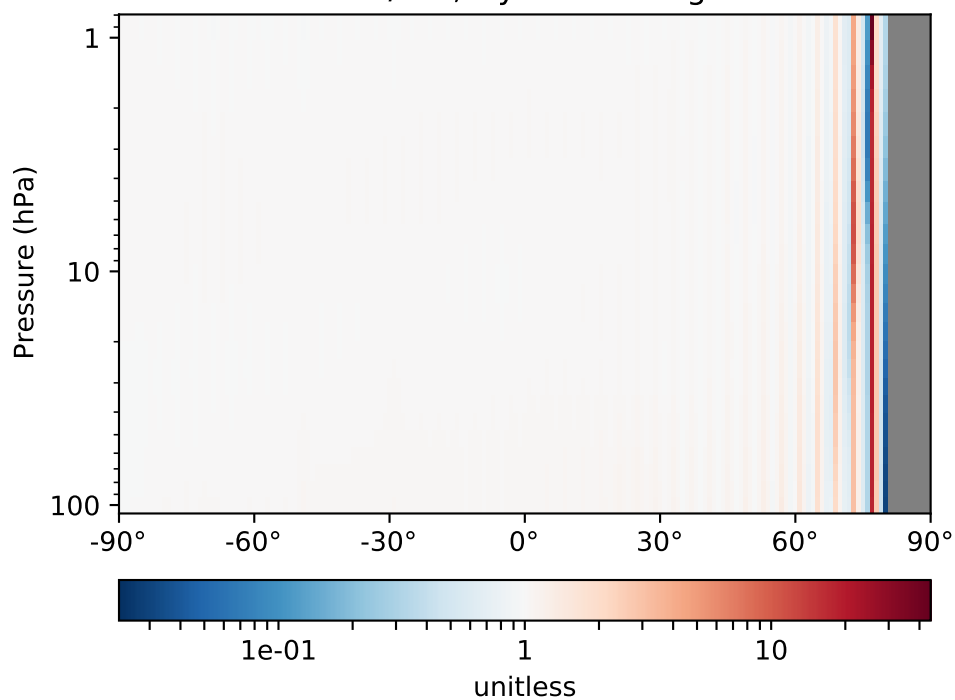
Difference (1x1.25)
Dev - Ref, Dynamic Range



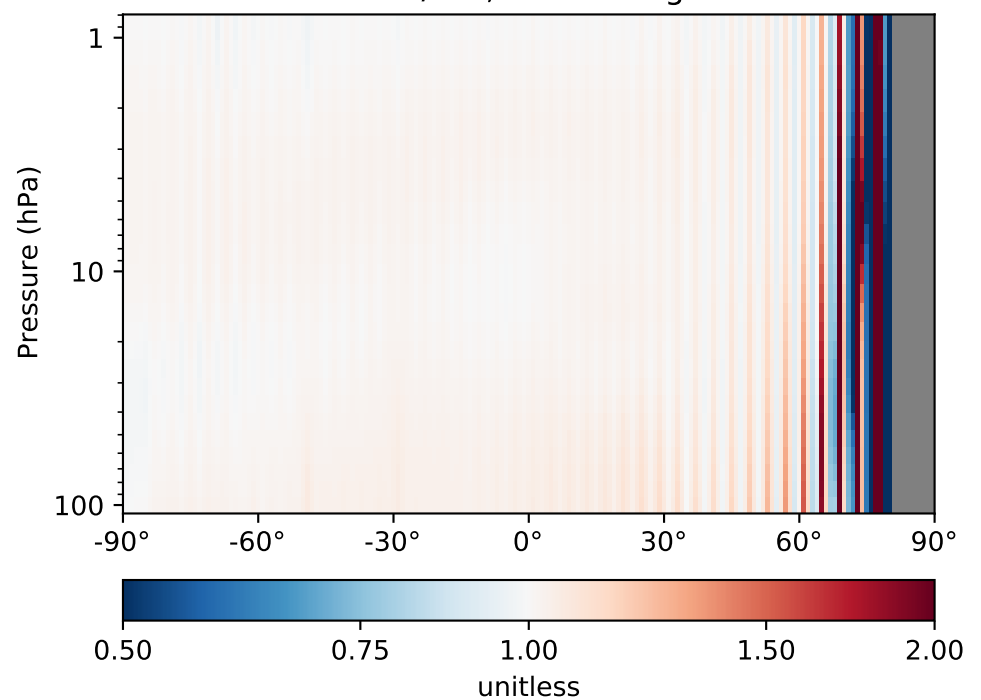
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

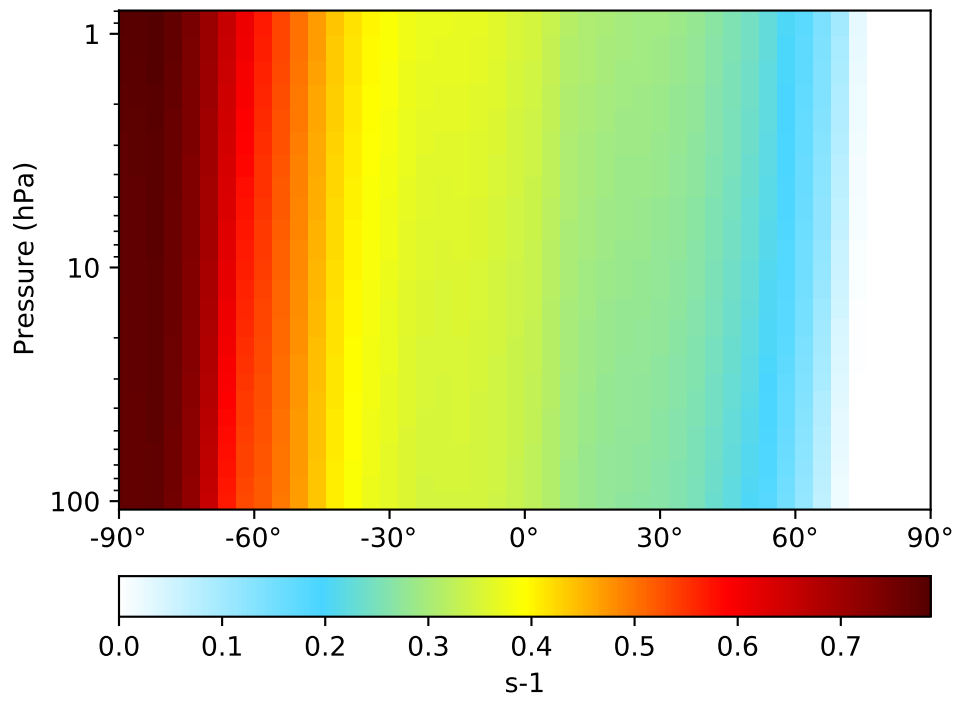


Ratio (1x1.25)
Dev/Ref, Fixed Range

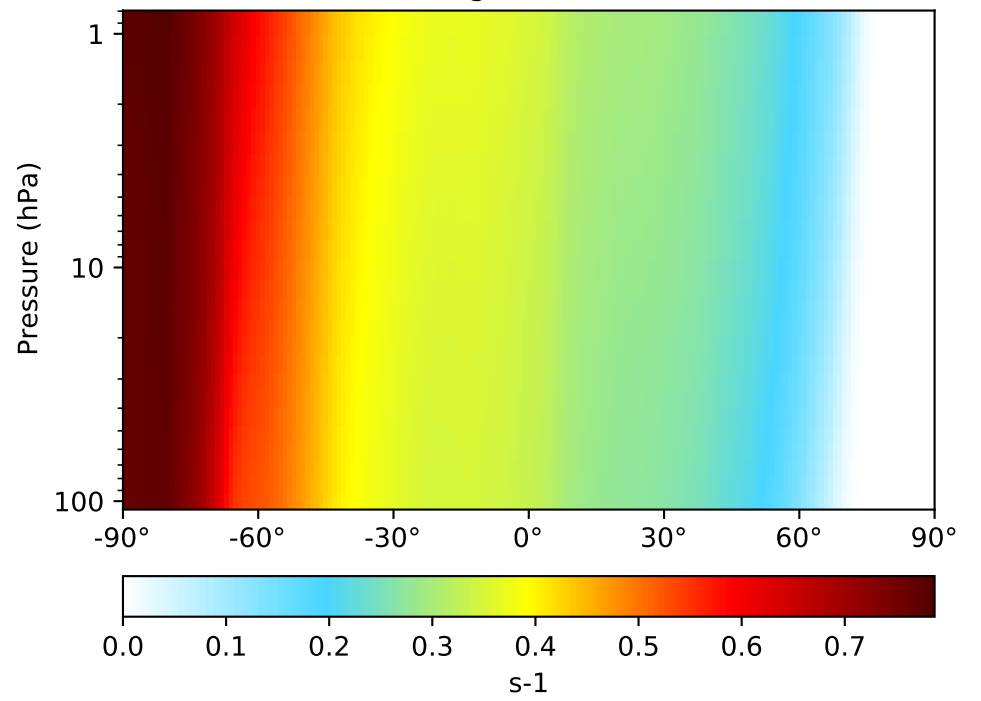


Jval_C100, Zonal Mean (Jan2019)

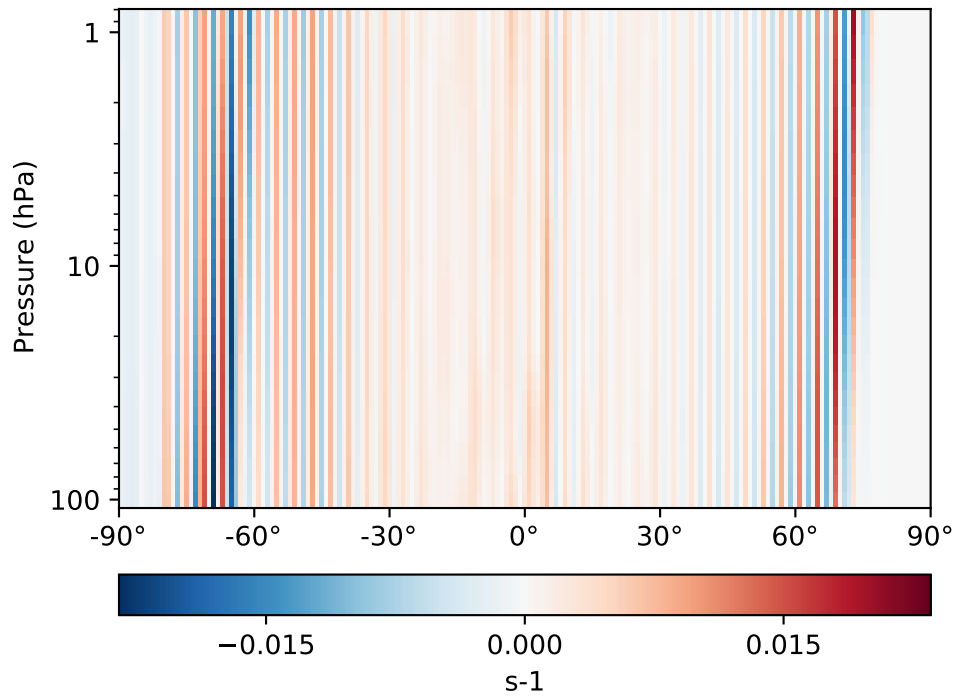
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



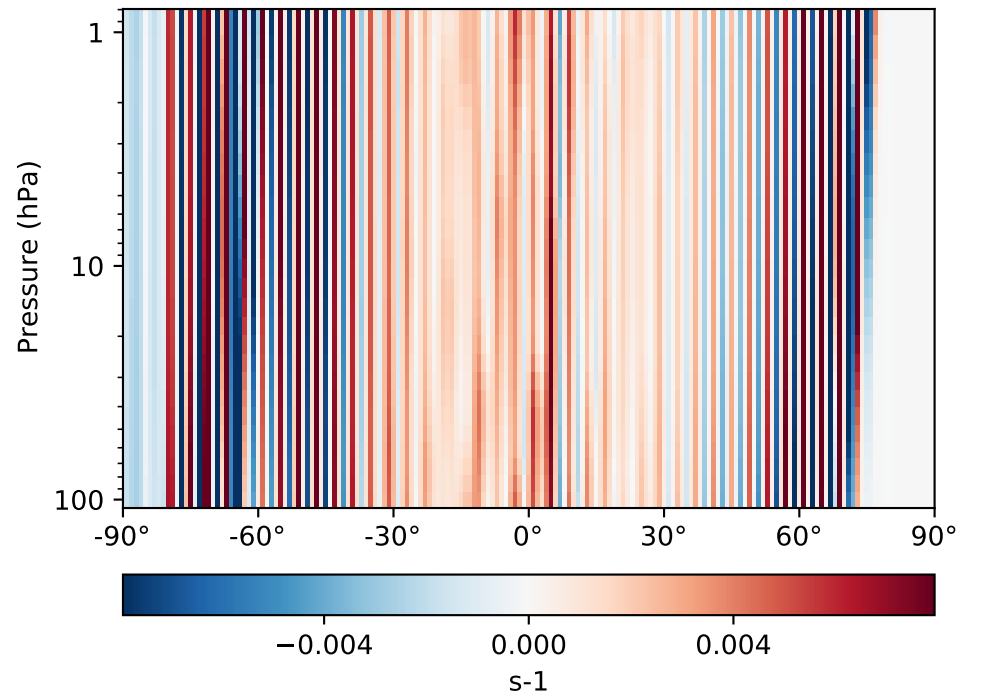
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



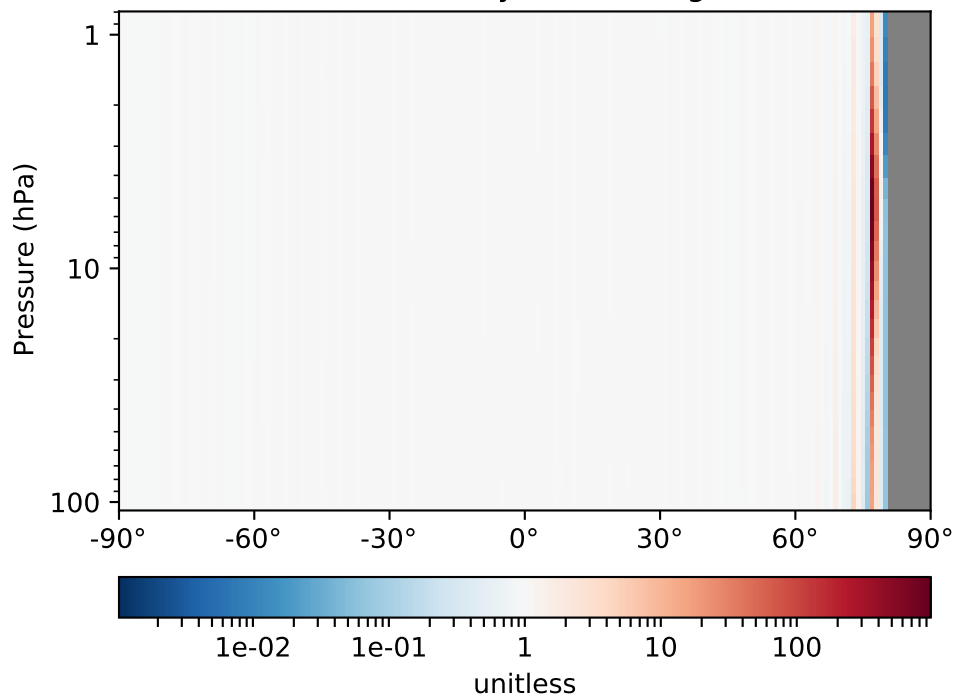
Difference (1x1.25)
Dev - Ref, Dynamic Range



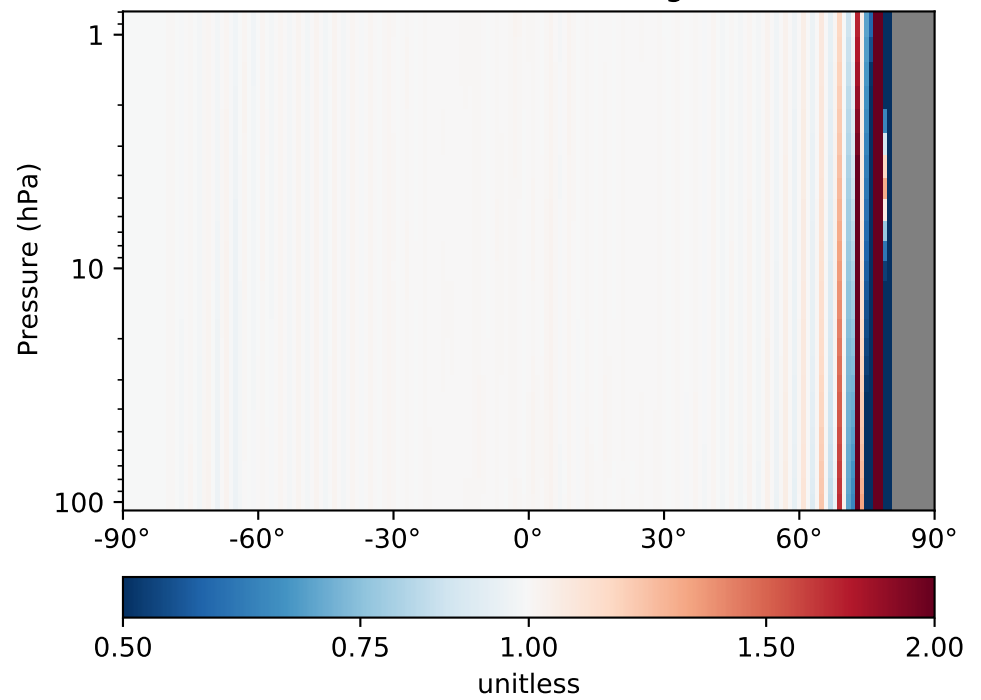
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

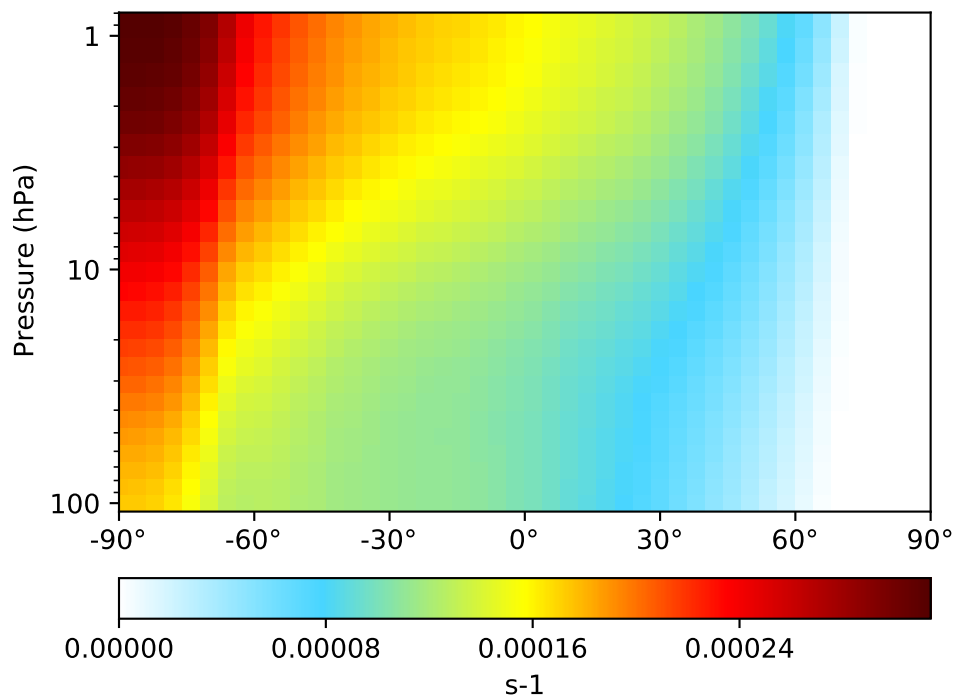


Ratio (1x1.25)
Dev/Ref, Fixed Range

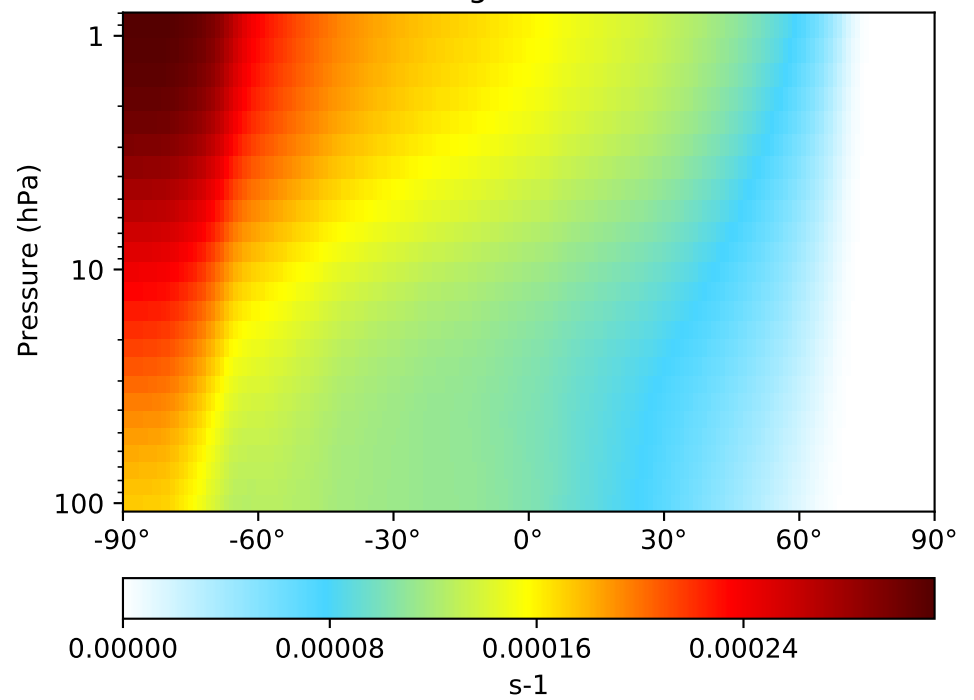


Jval_ETHLN, Zonal Mean (Jan2019)

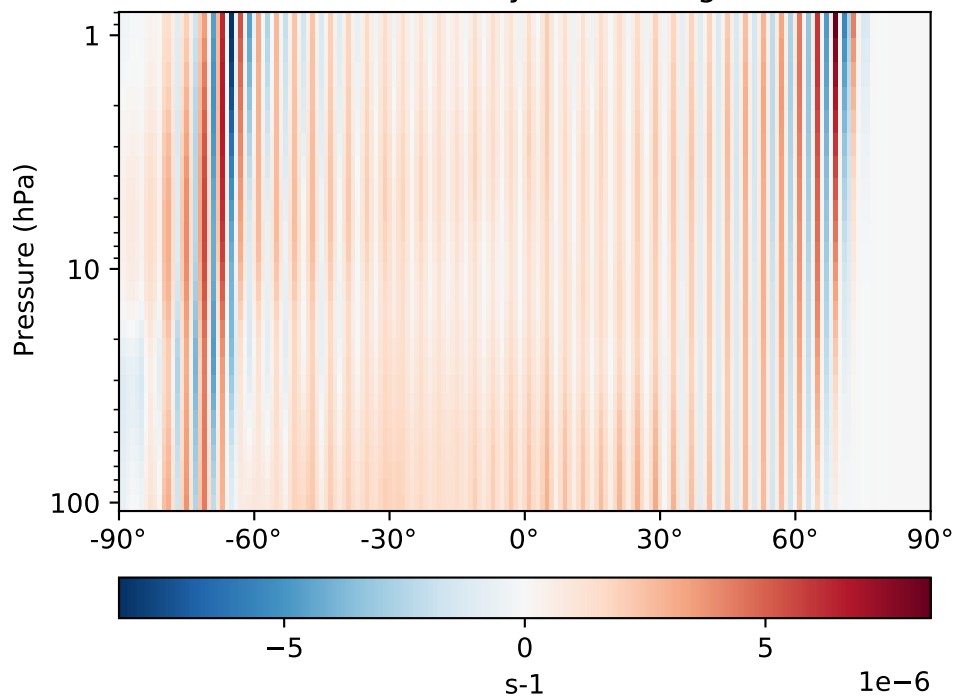
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



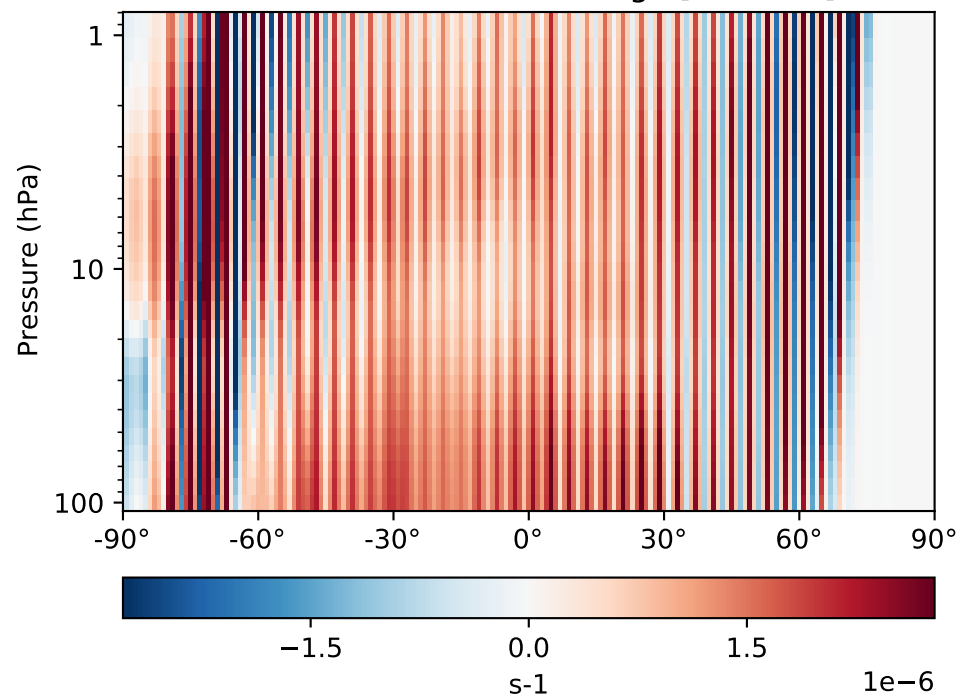
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



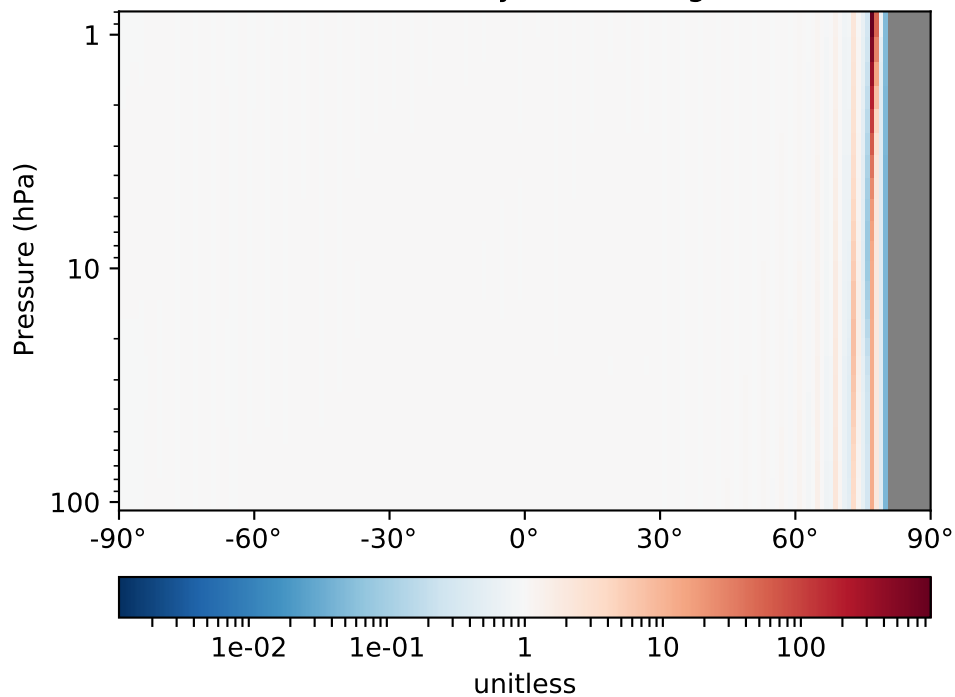
Difference (1x1.25)
Dev - Ref, Dynamic Range



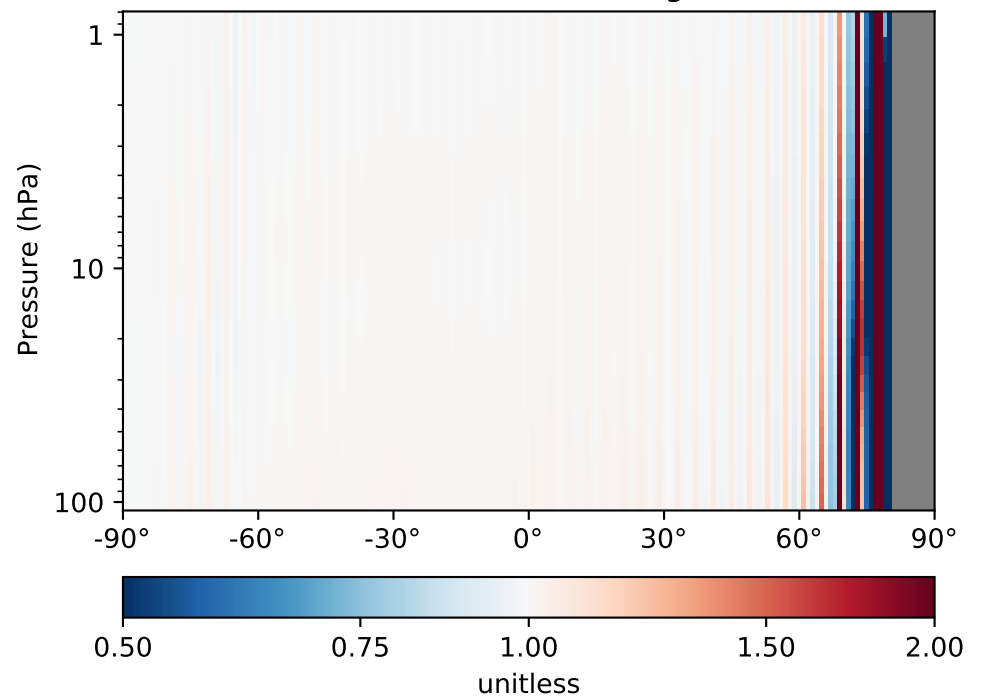
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

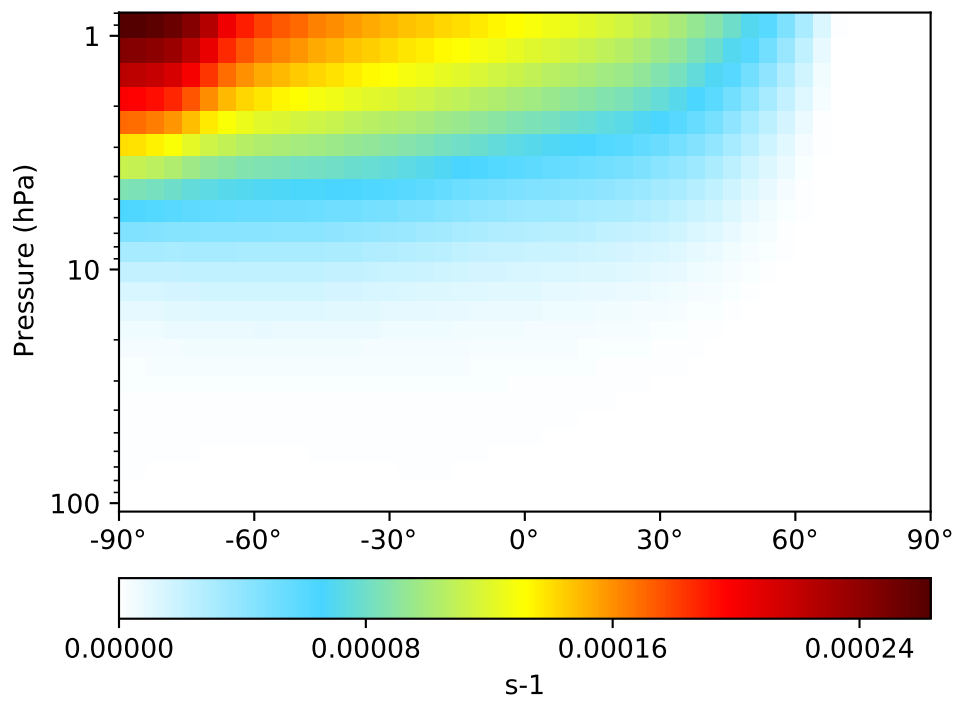


Ratio (1x1.25)
Dev/Ref, Fixed Range

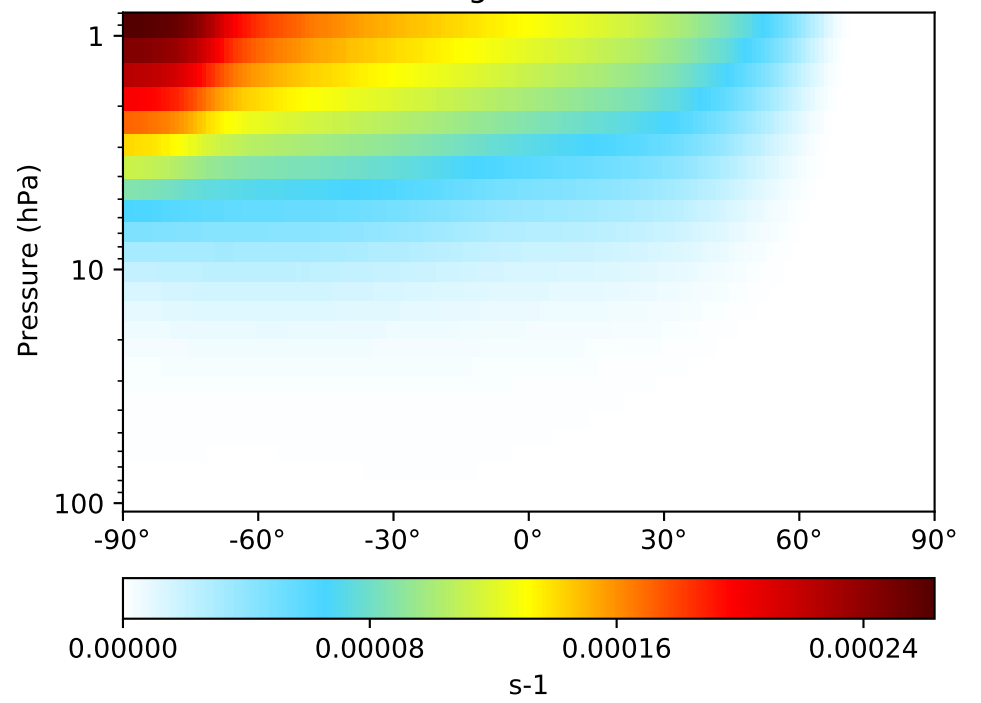


Jval_ETNO3, Zonal Mean (Jan2019)

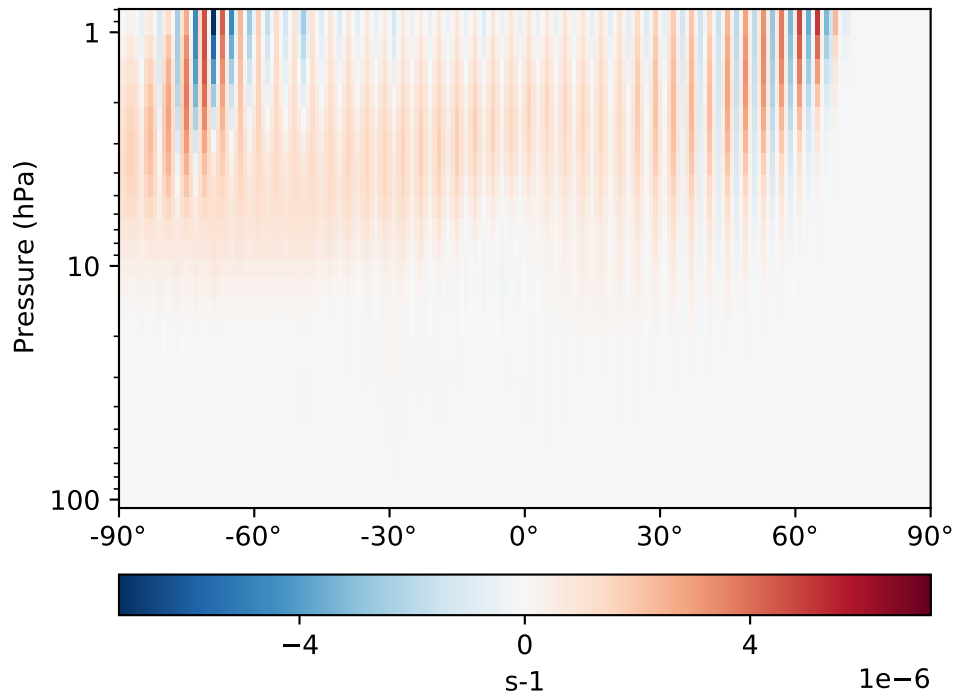
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



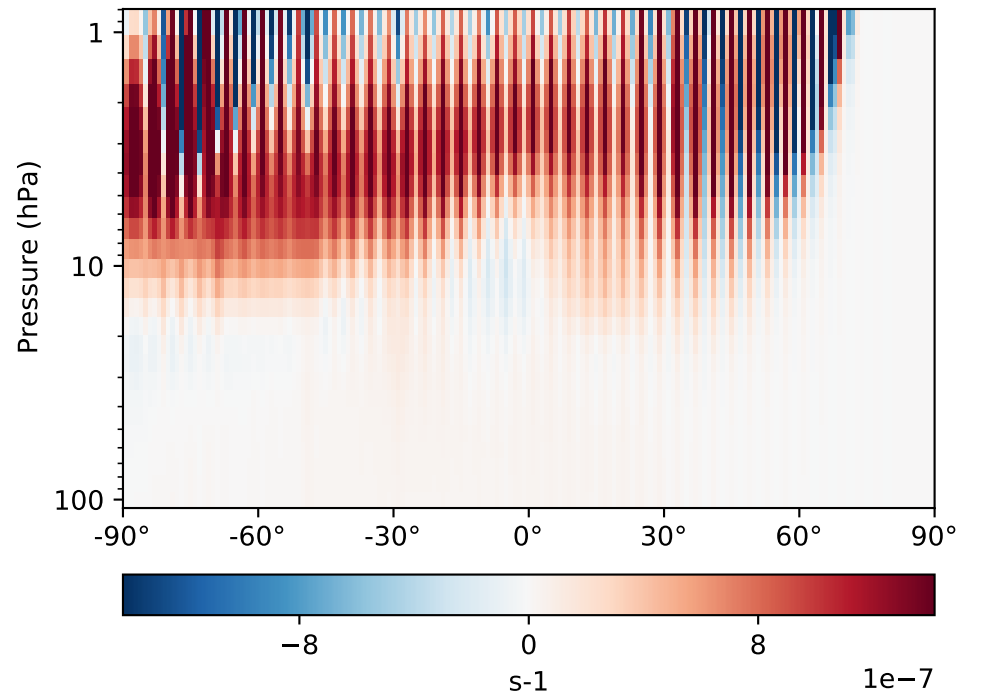
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



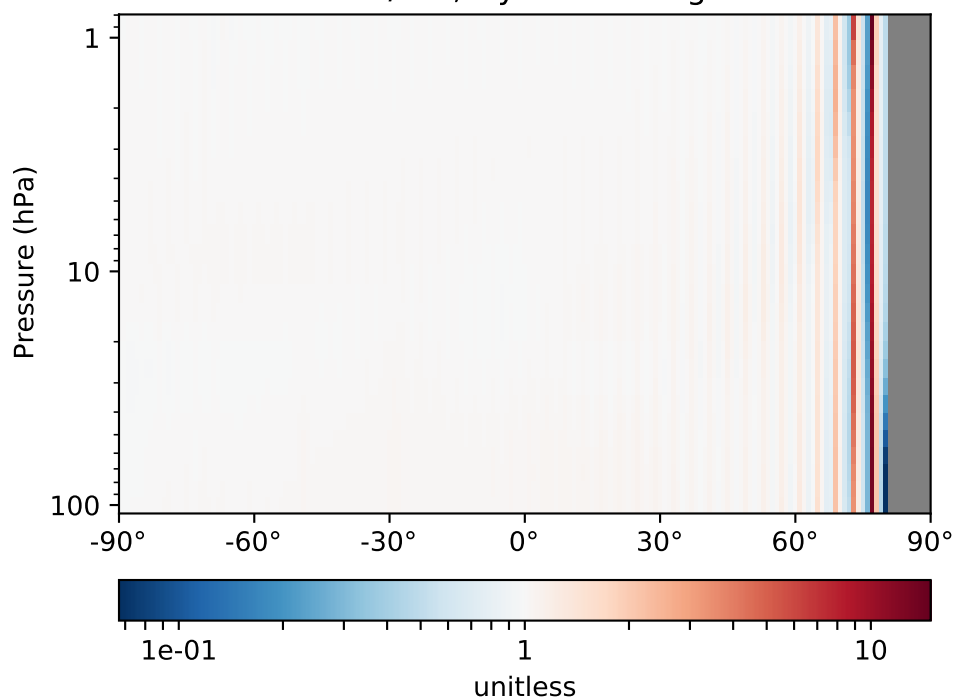
Difference (1x1.25)
Dev - Ref, Dynamic Range



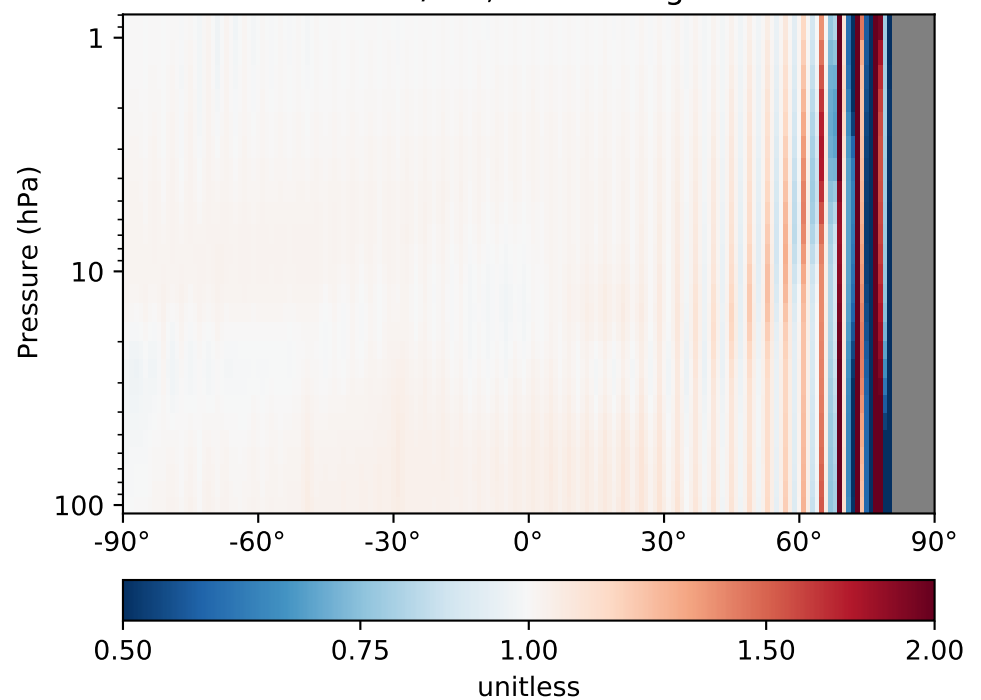
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

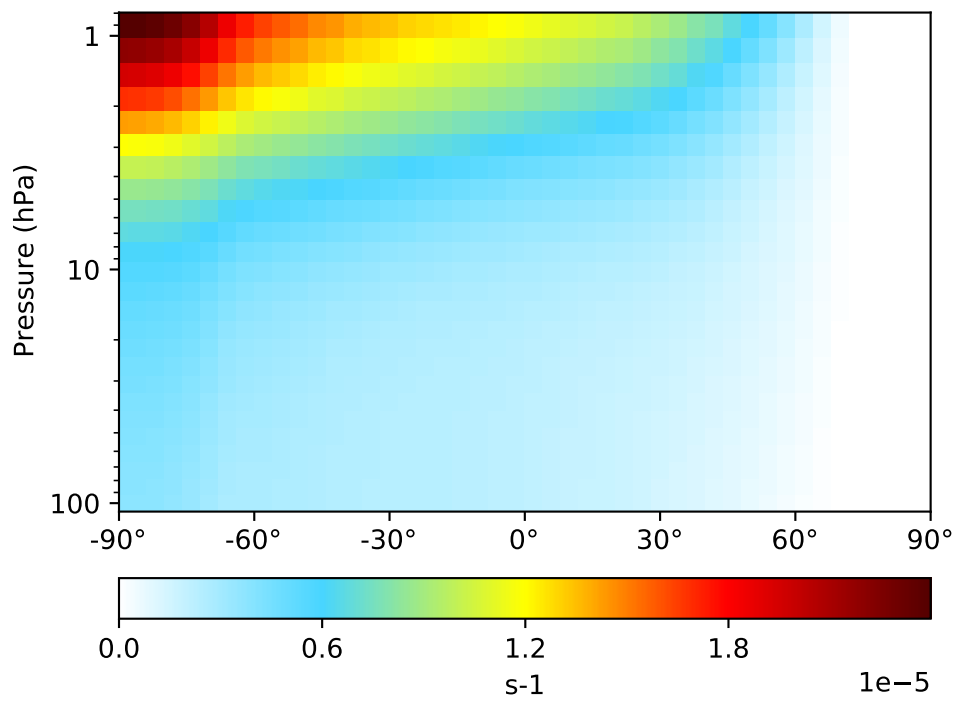


Ratio (1x1.25)
Dev/Ref, Fixed Range

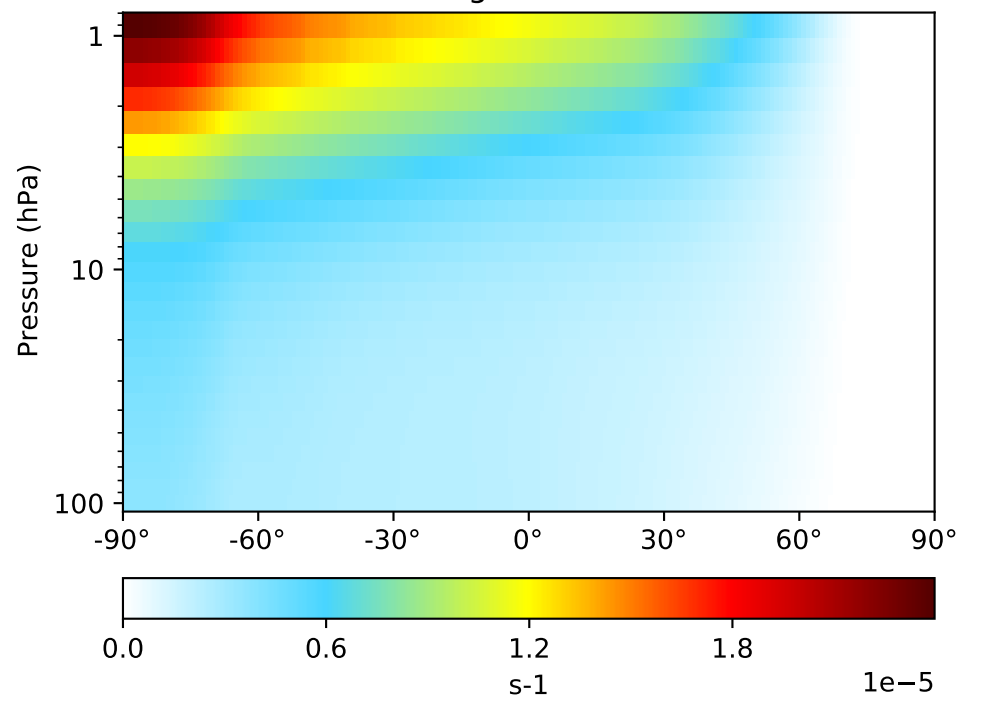


Jval_ETP, Zonal Mean (Jan2019)

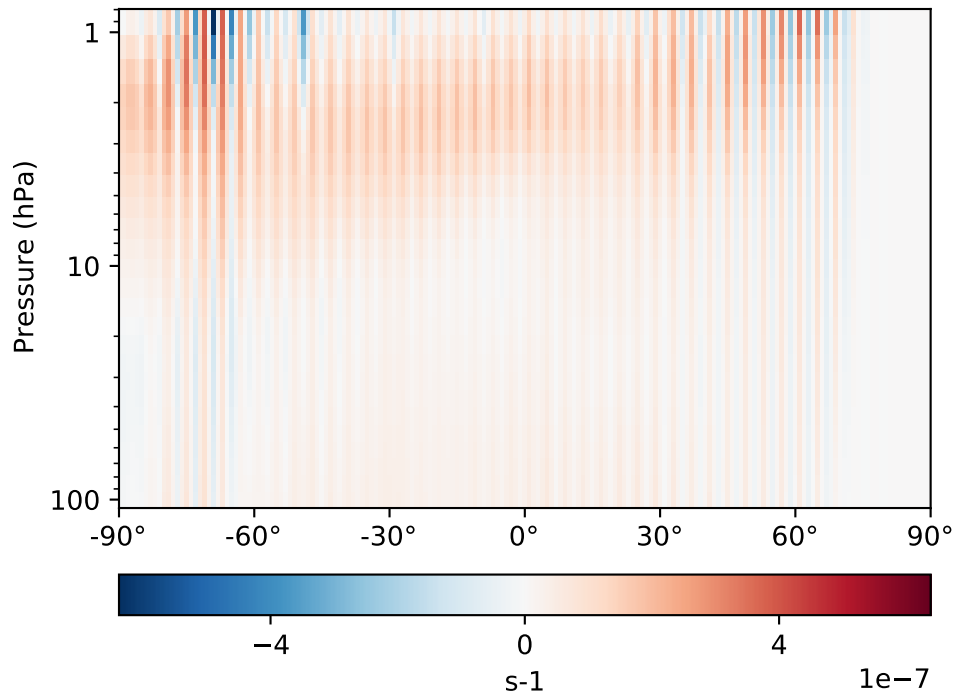
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



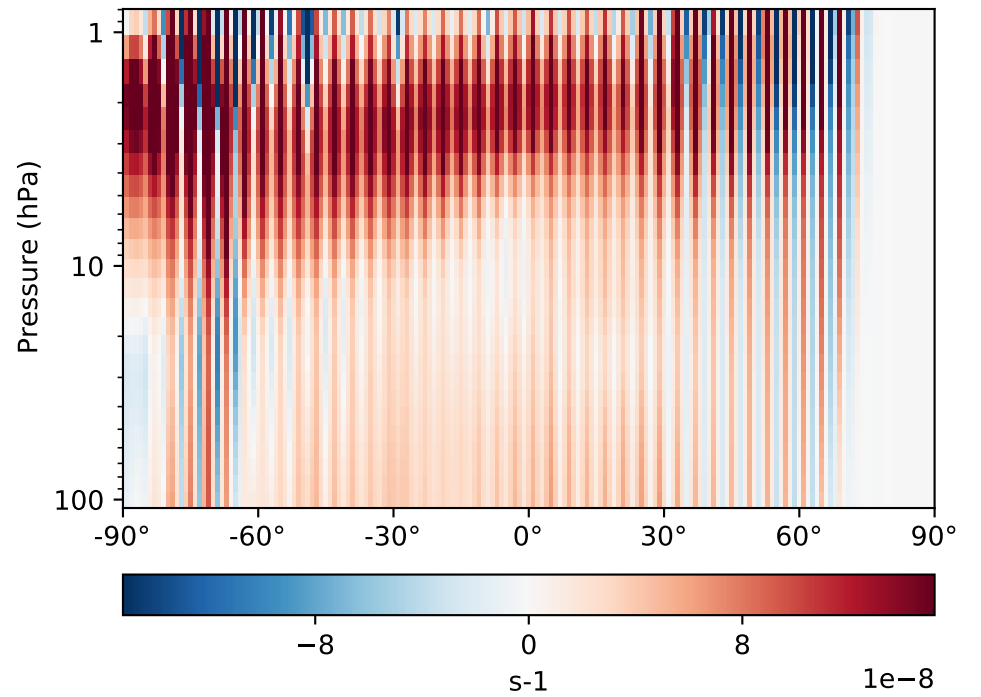
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



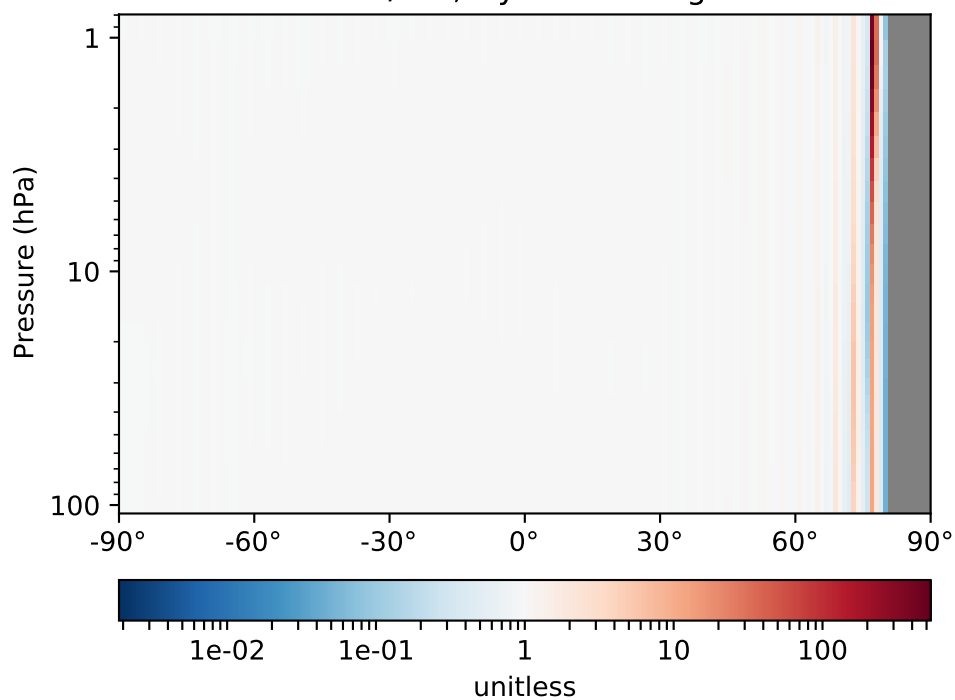
Difference (1x1.25)
Dev - Ref, Dynamic Range



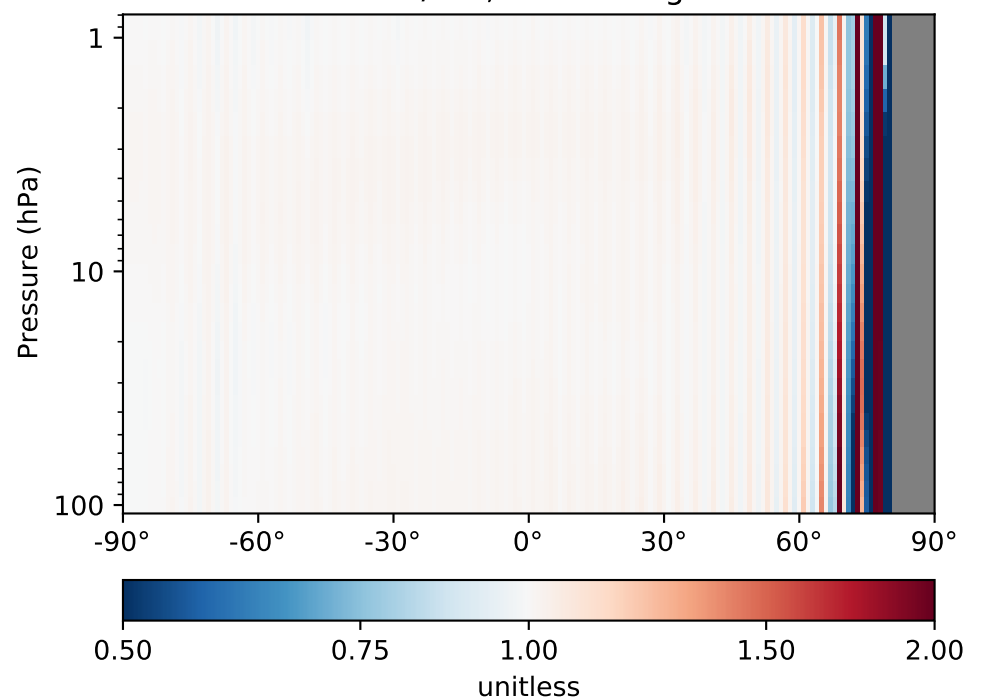
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

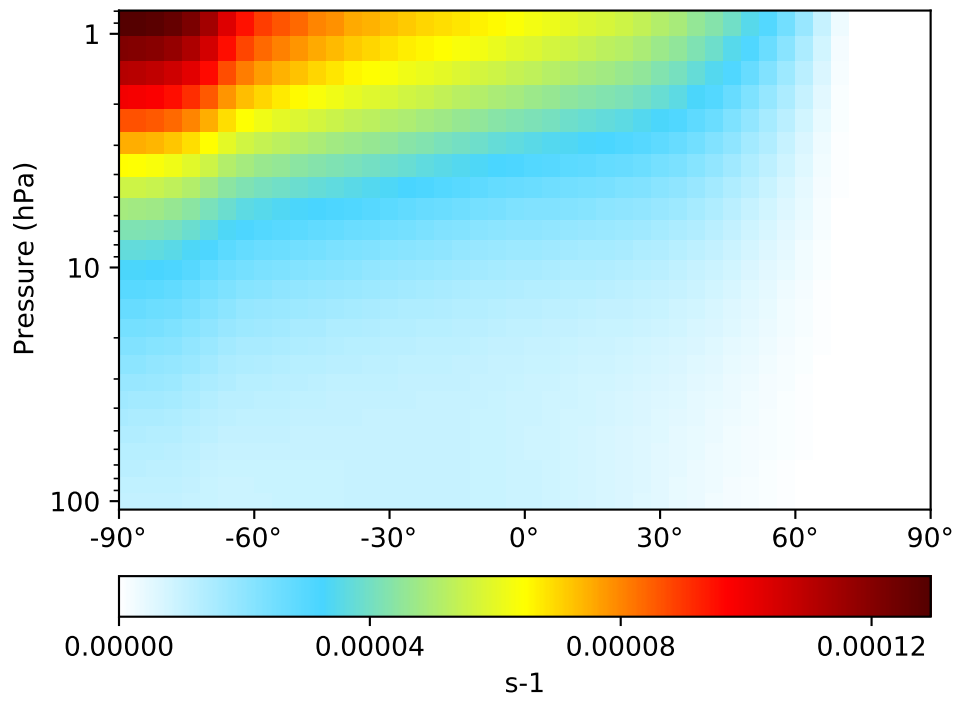


Ratio (1x1.25)
Dev/Ref, Fixed Range

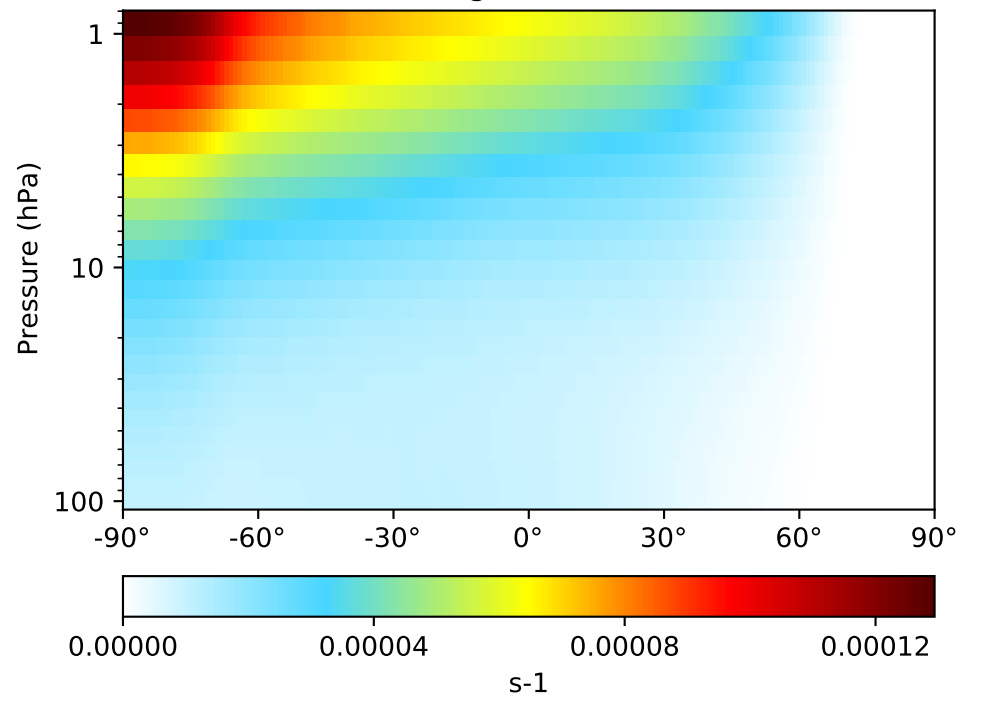


Jval_GLYC, Zonal Mean (Jan2019)

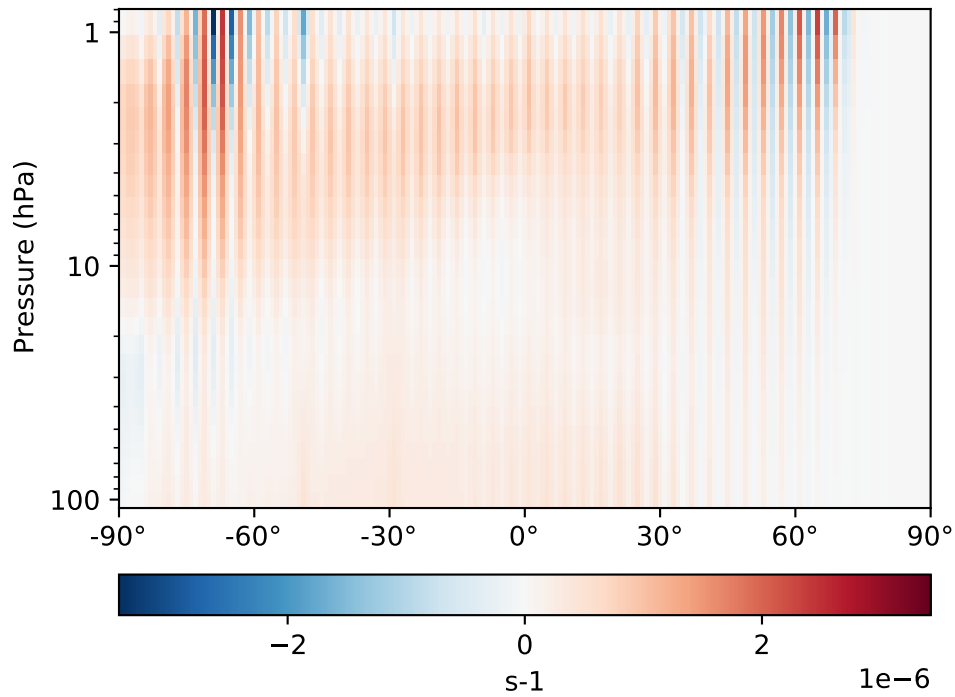
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



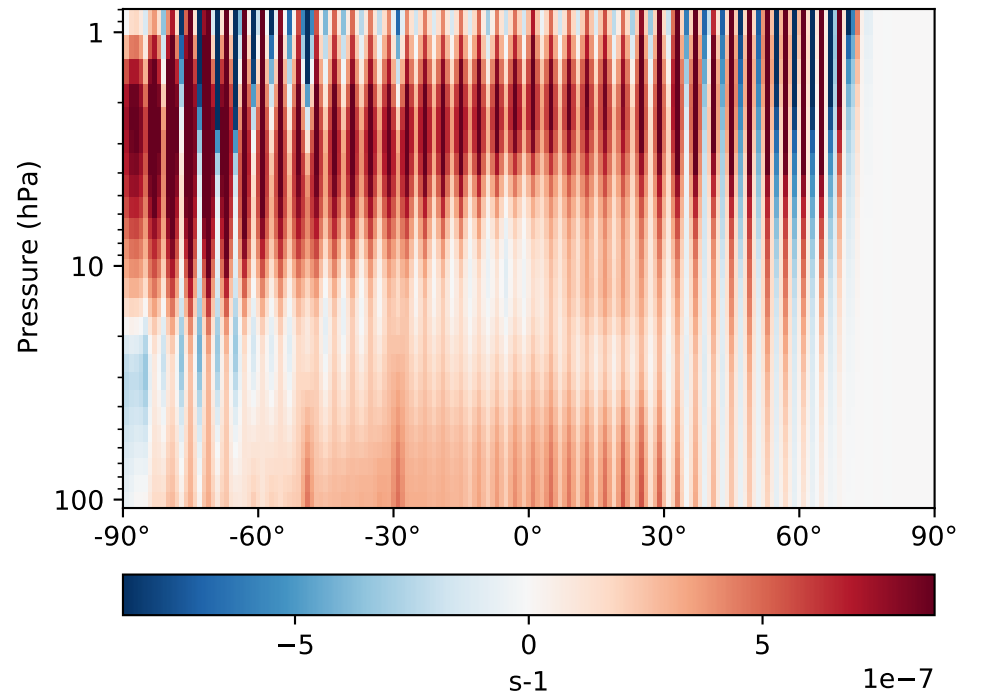
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regridged from c48



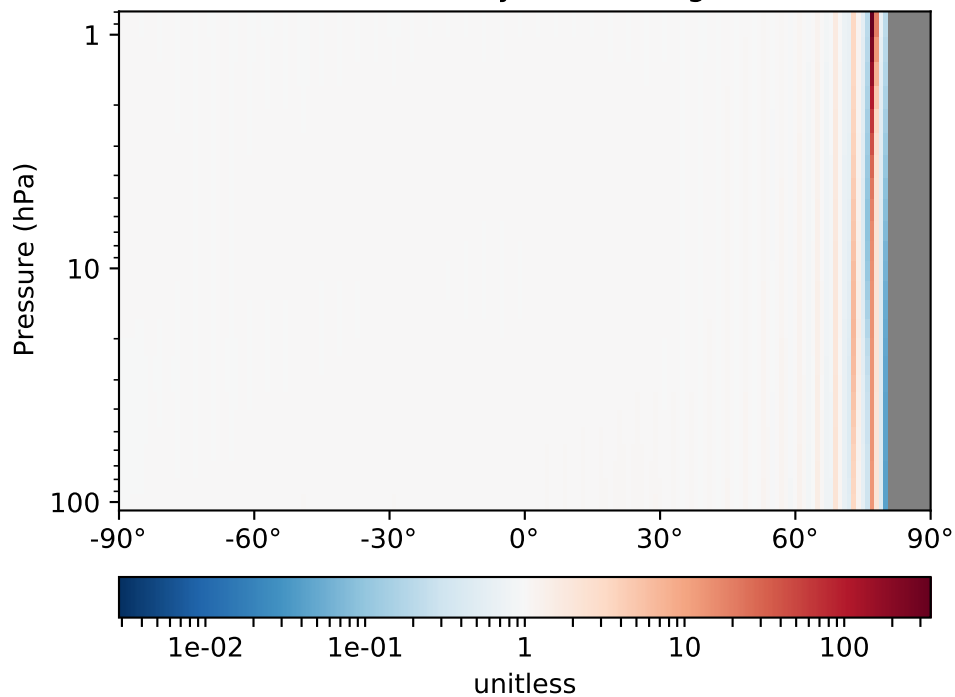
Difference (1x1.25)
Dev - Ref, Dynamic Range



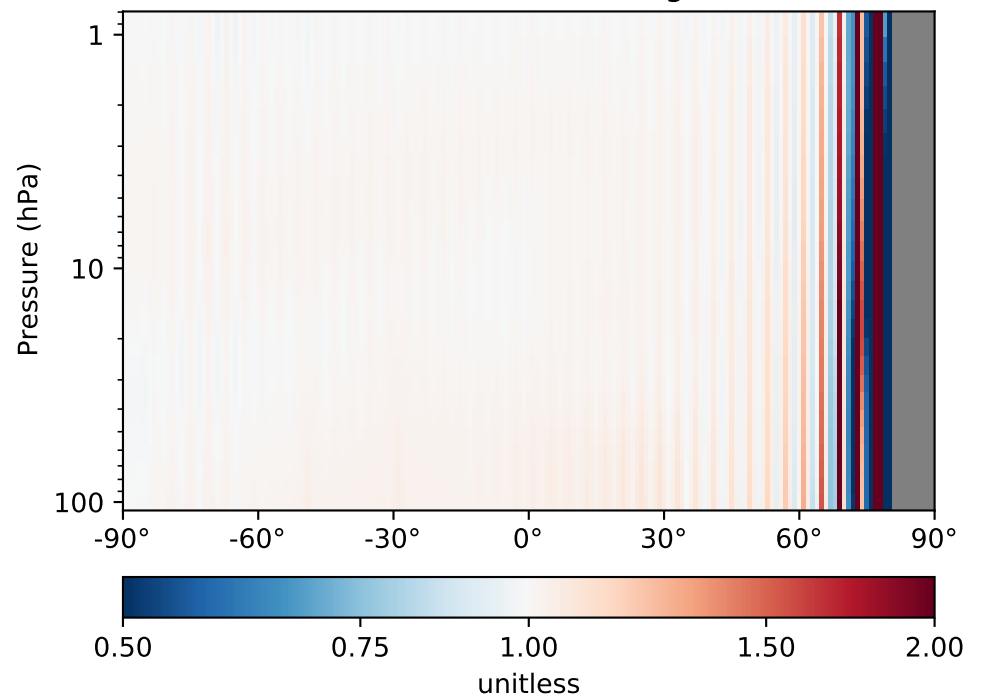
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

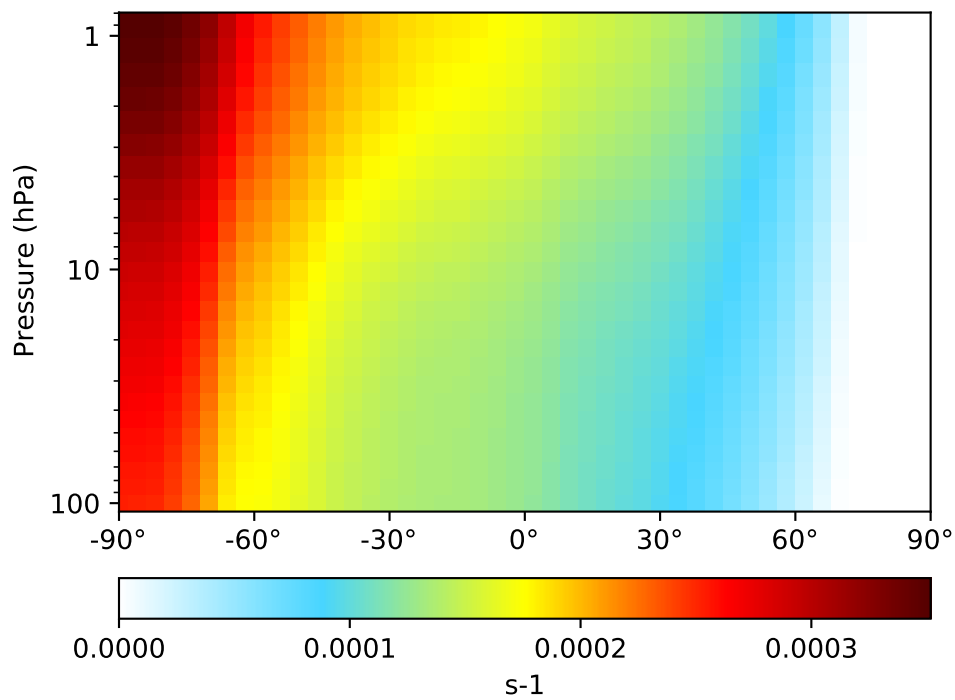


Ratio (1x1.25)
Dev/Ref, Fixed Range

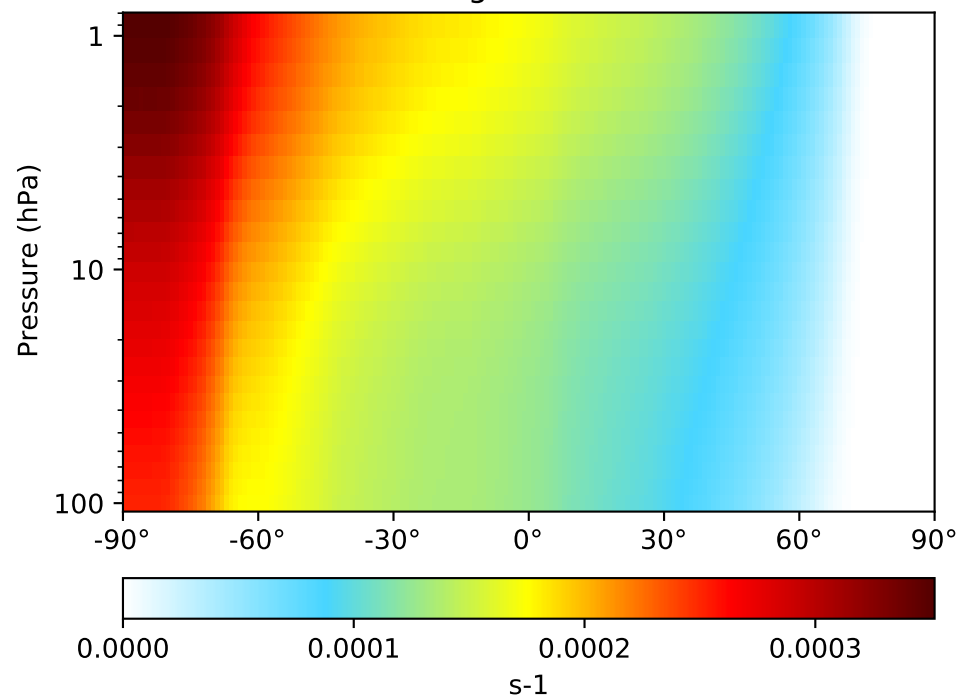


Jval_GLYX, Zonal Mean (Jan2019)

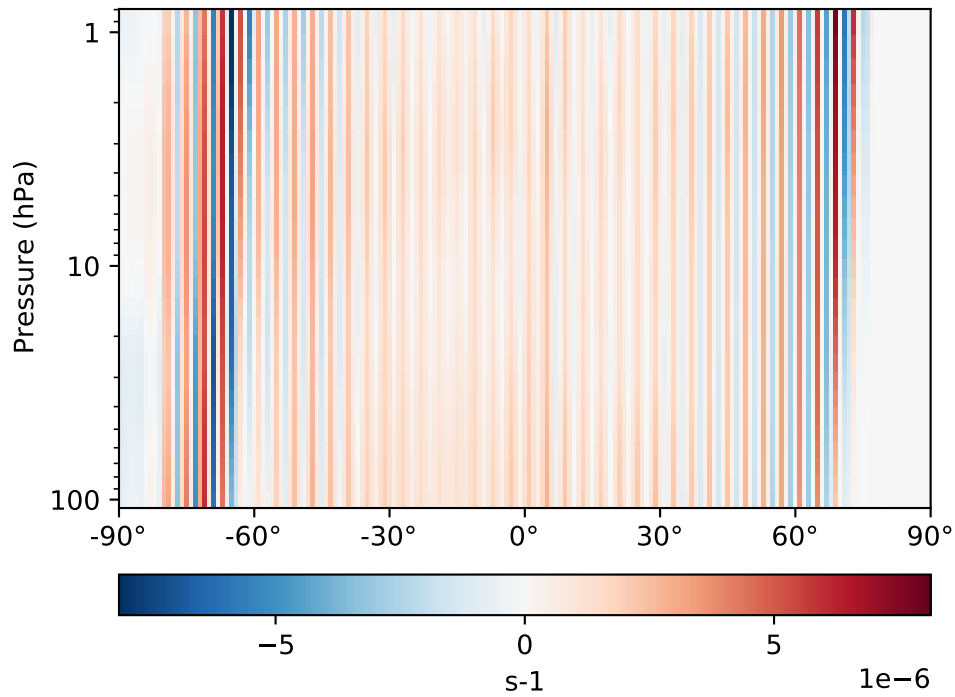
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



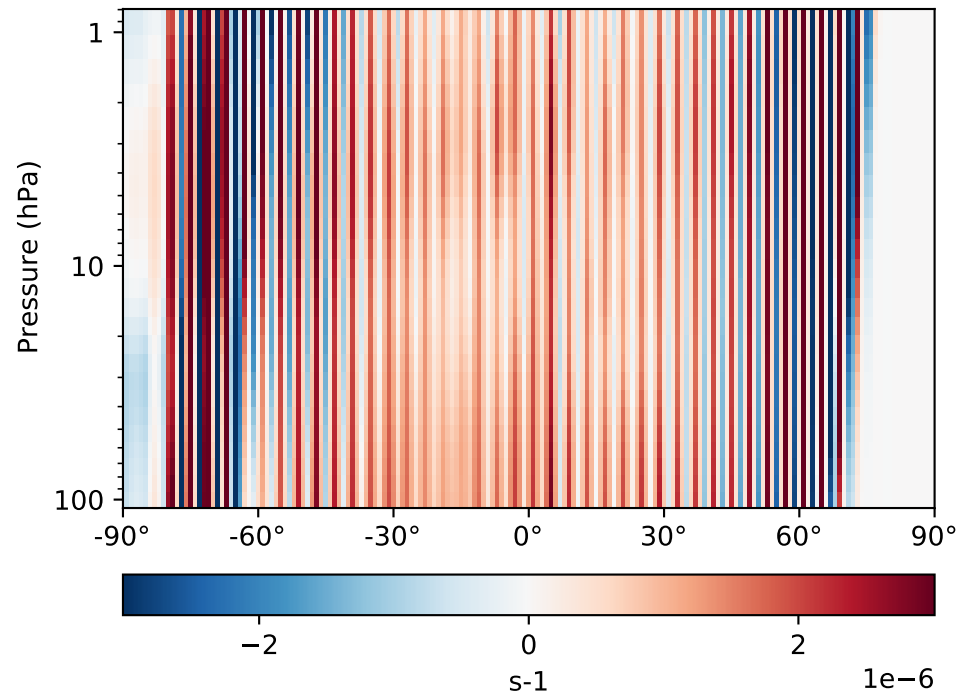
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



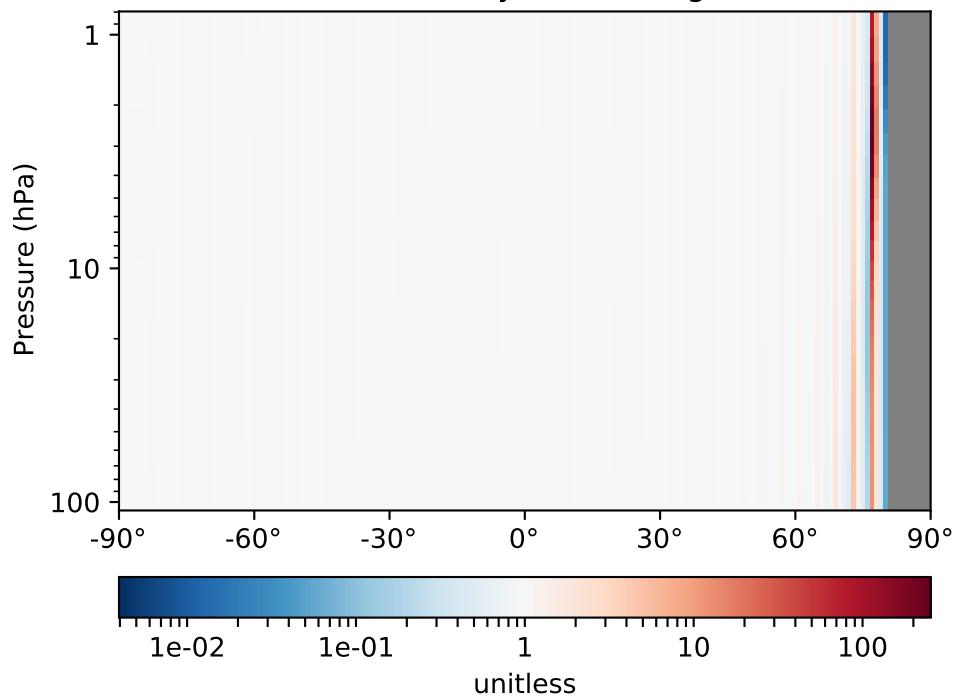
Difference (1x1.25)
Dev - Ref, Dynamic Range



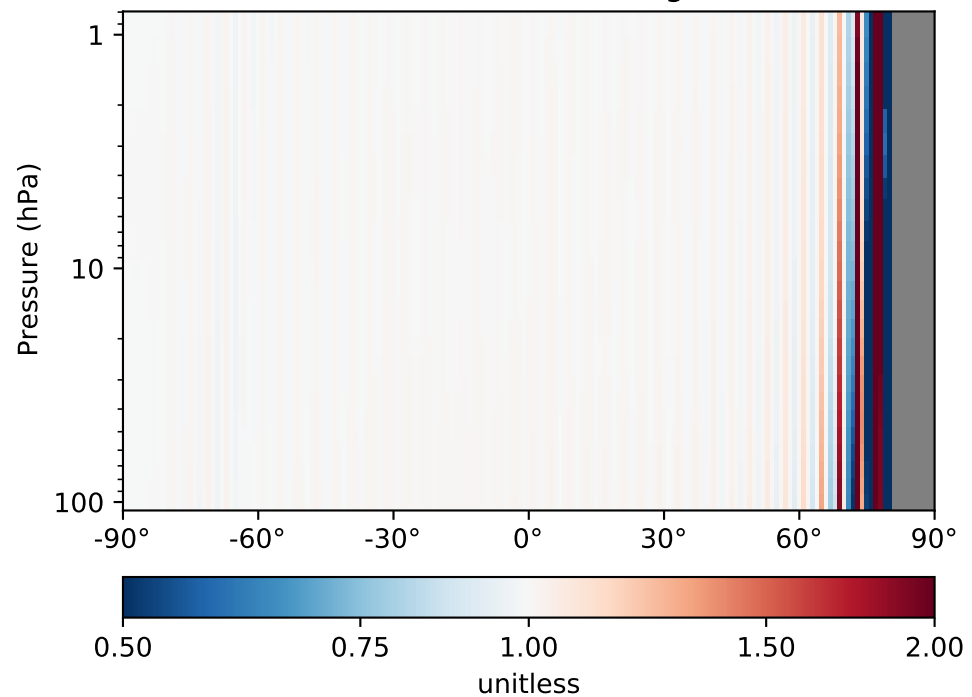
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

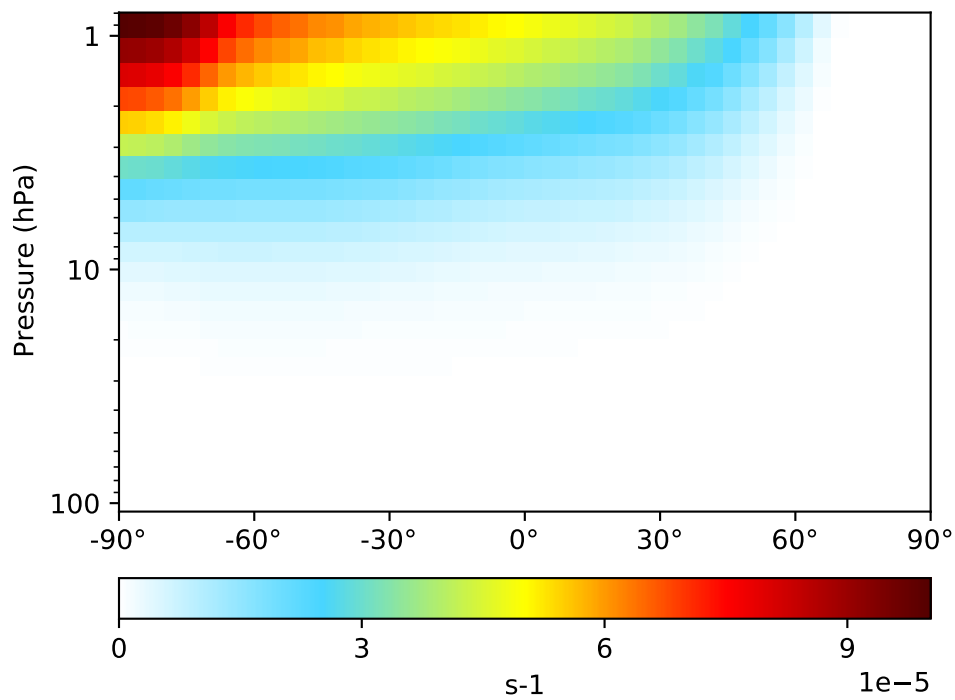


Ratio (1x1.25)
Dev/Ref, Fixed Range

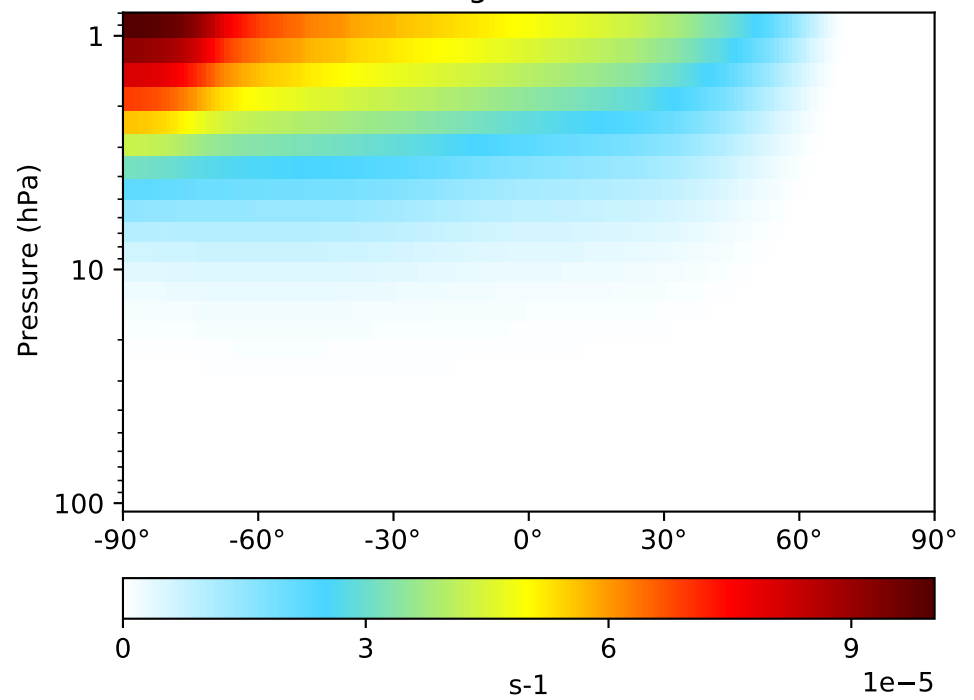


Jval_H1211, Zonal Mean (Jan2019)

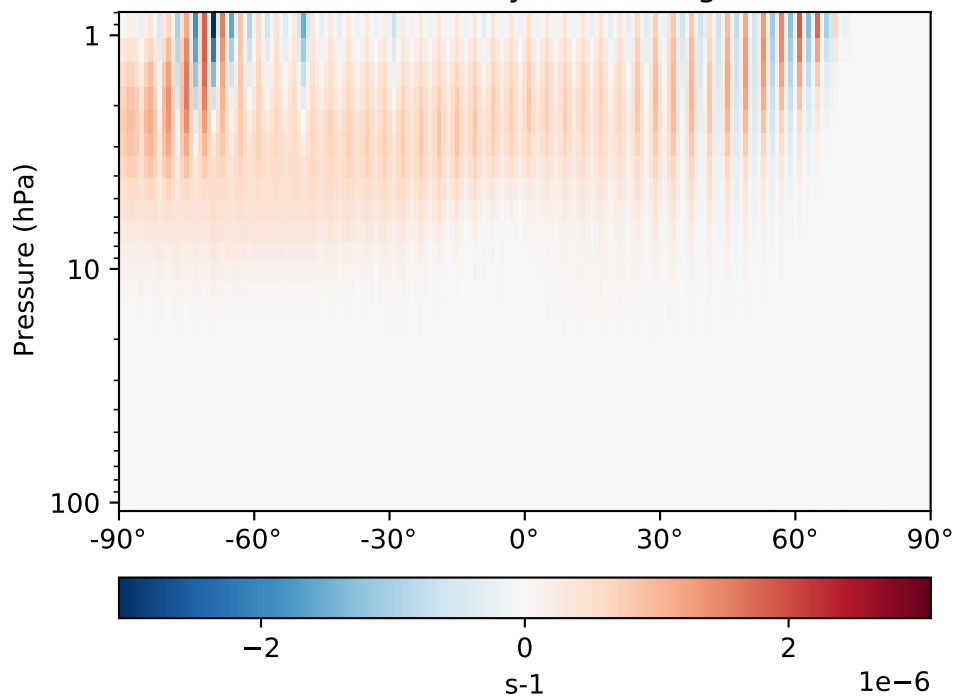
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



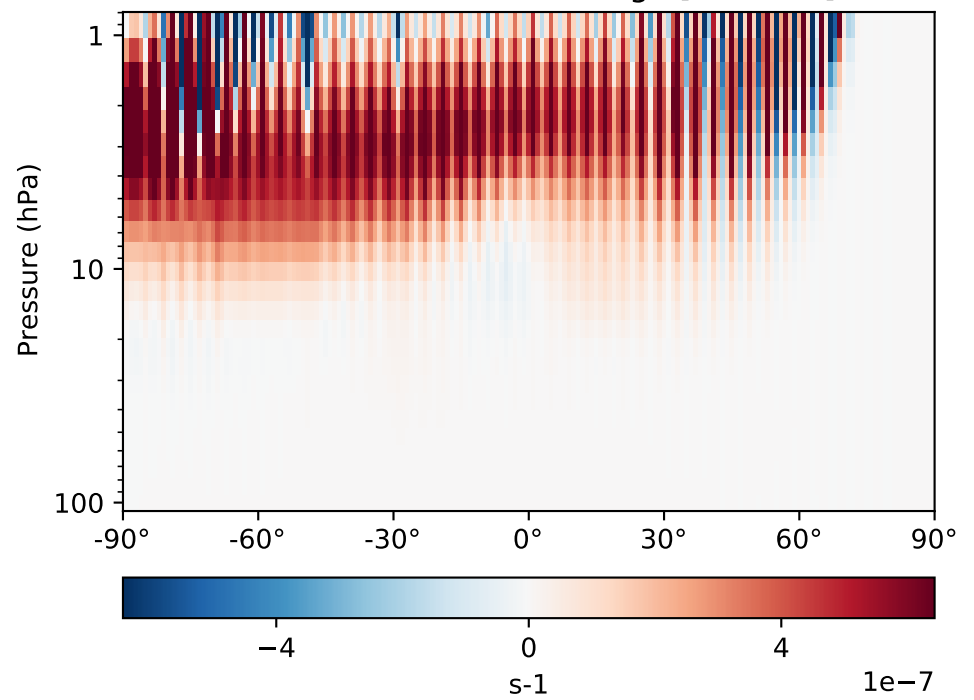
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



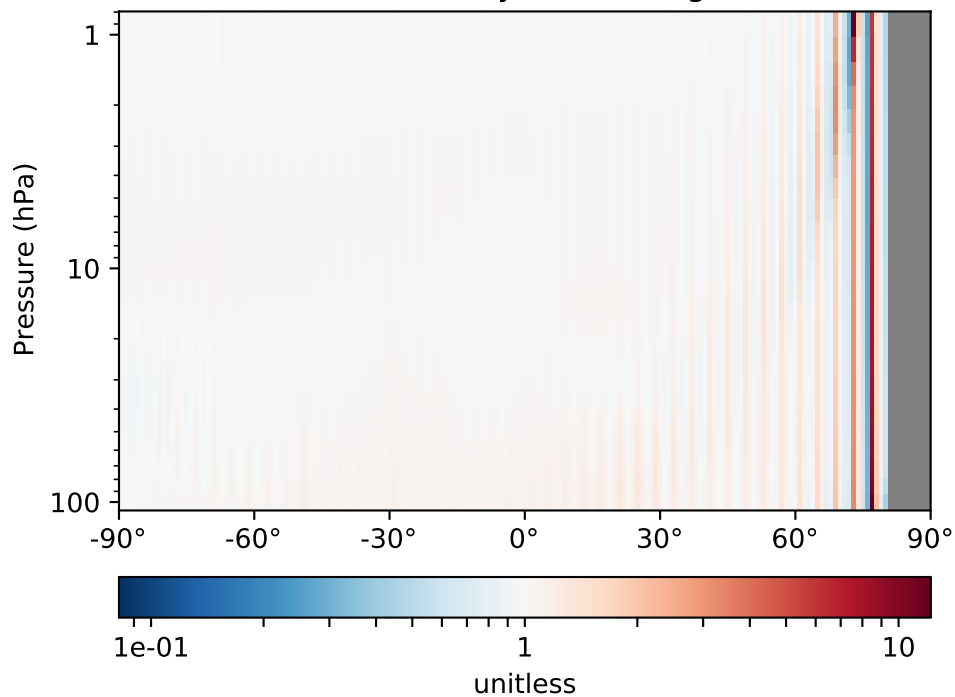
Difference (1x1.25)
Dev - Ref, Dynamic Range



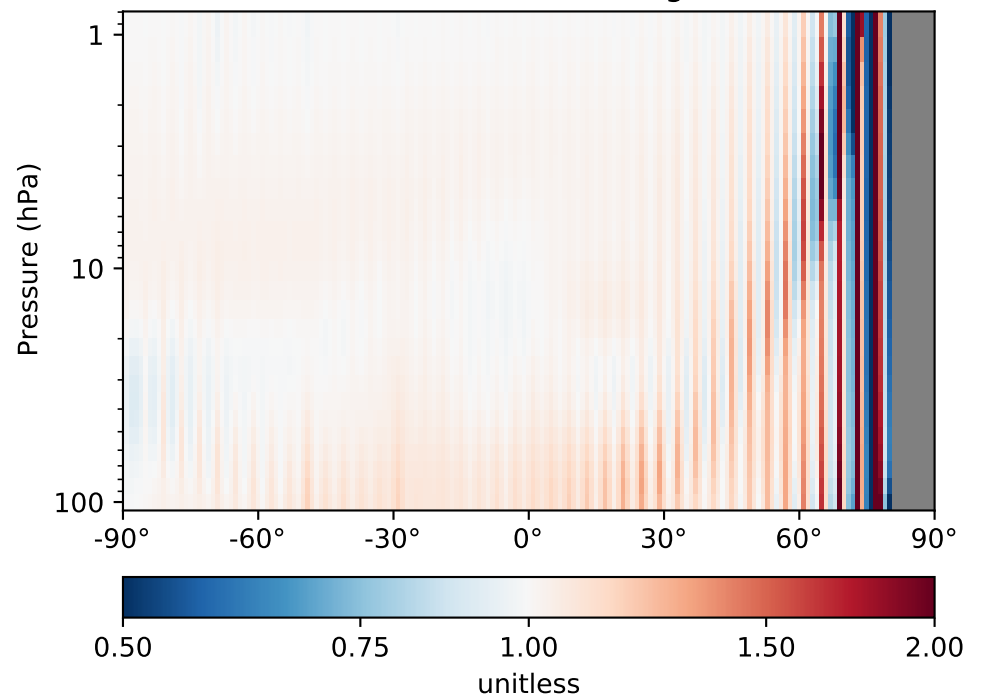
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

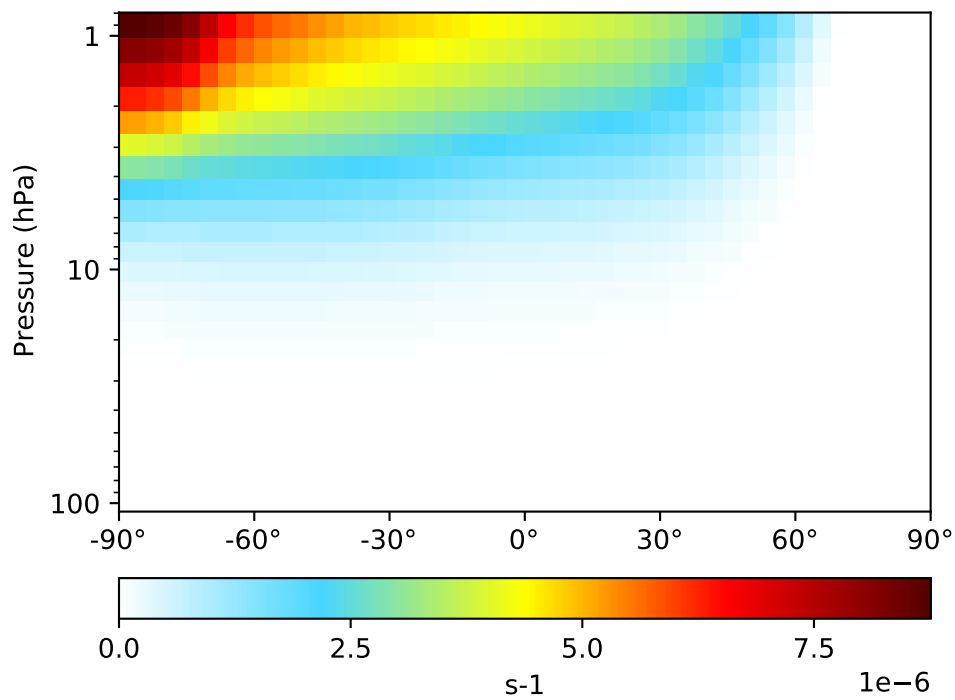


Ratio (1x1.25)
Dev/Ref, Fixed Range

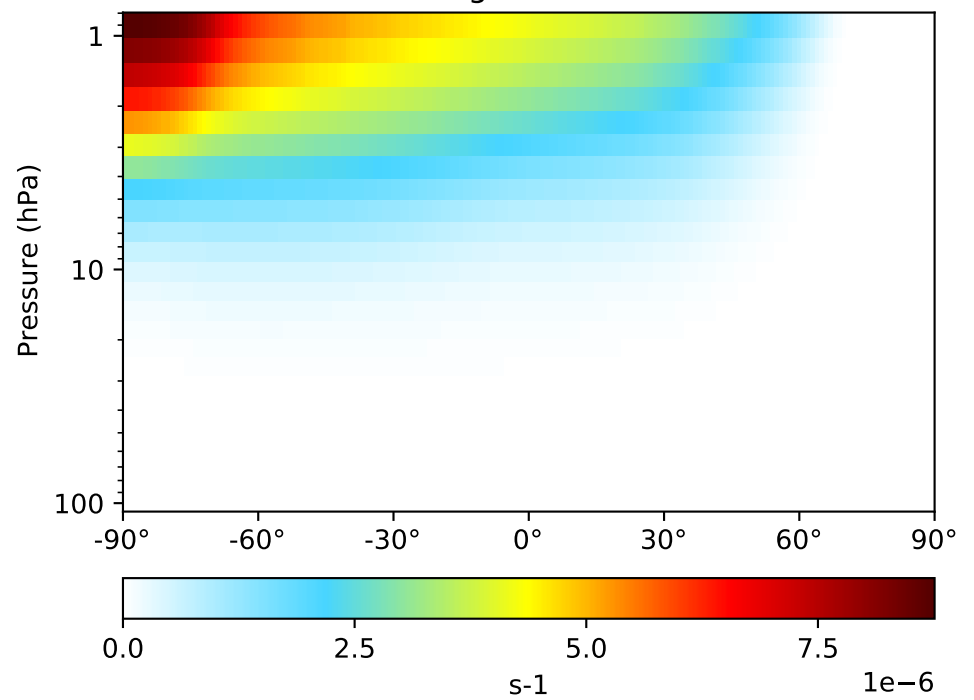


Jval_H1301, Zonal Mean (Jan2019)

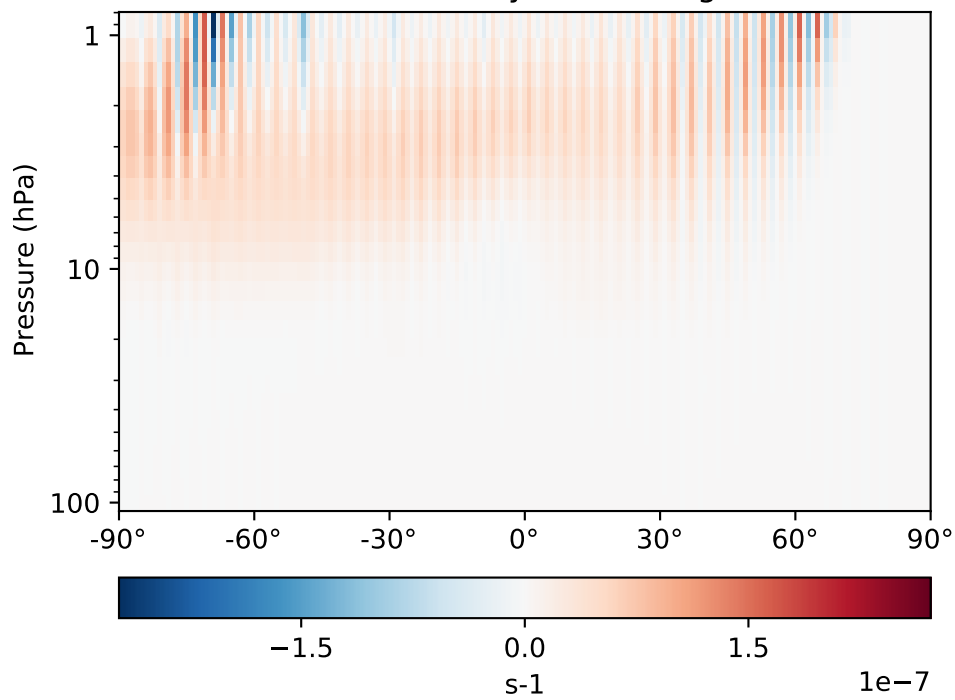
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



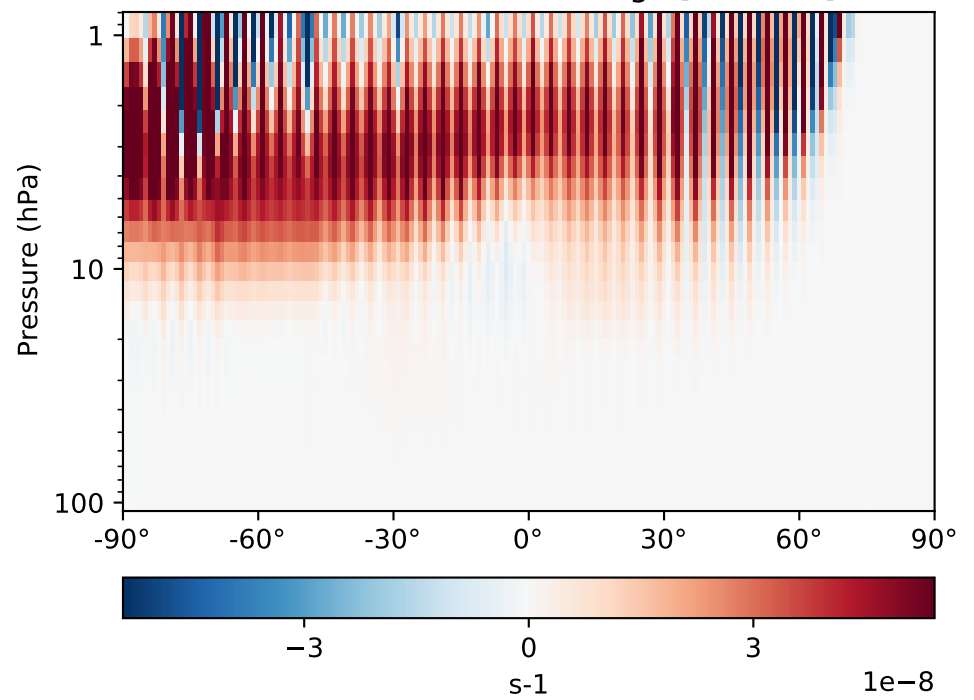
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



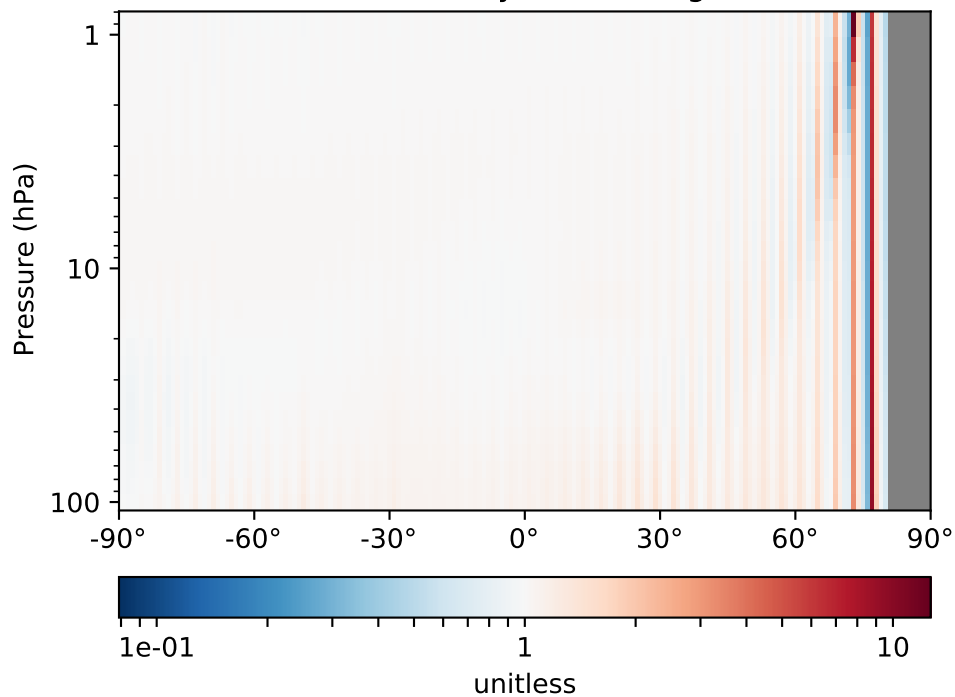
Difference (1x1.25)
Dev - Ref, Dynamic Range



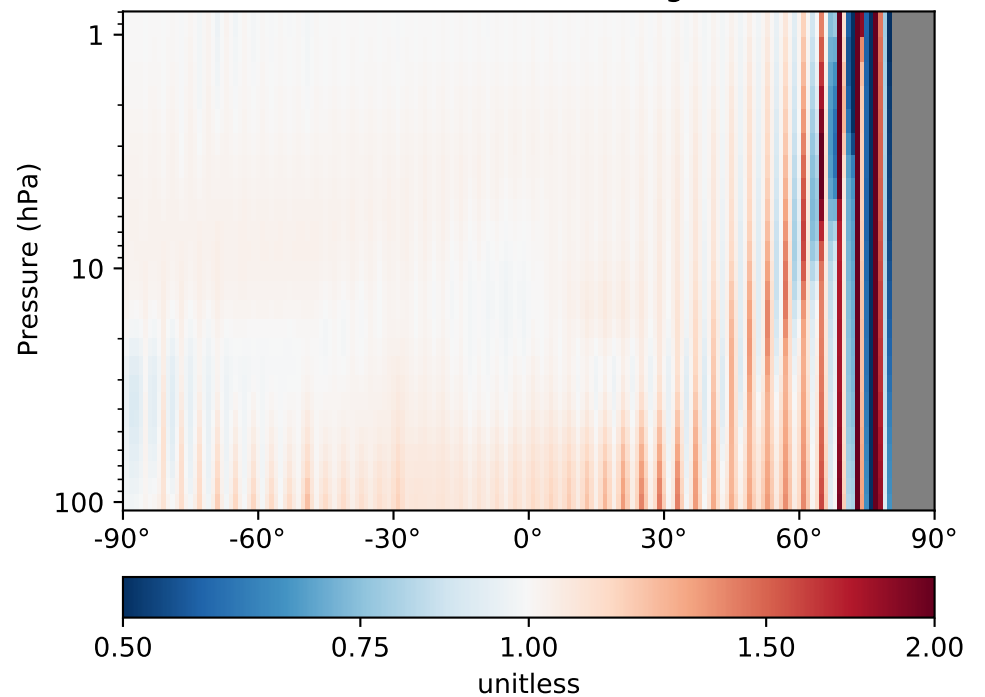
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

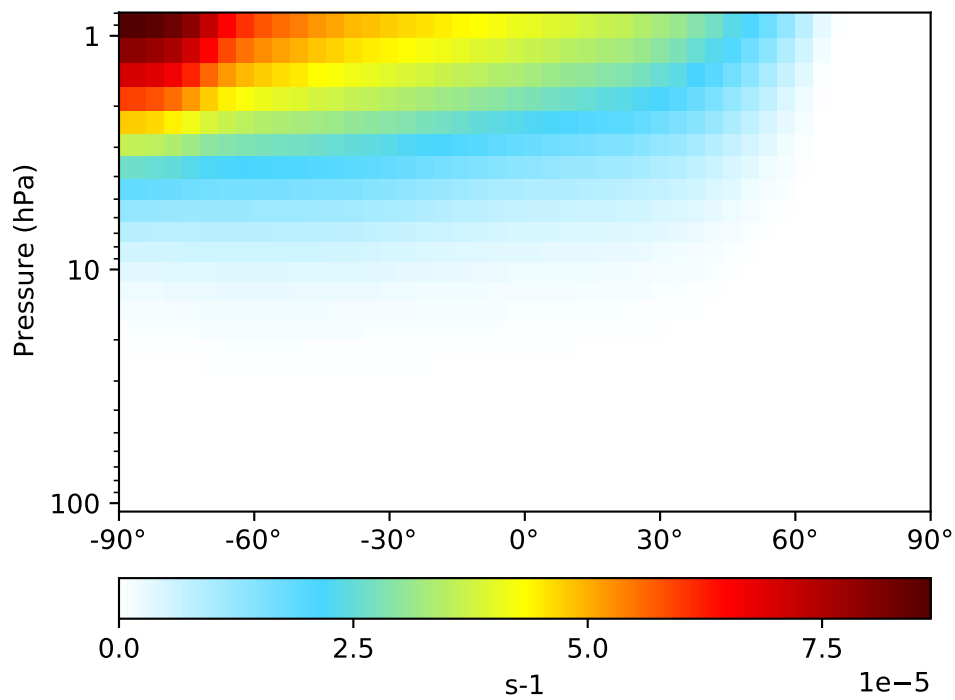


Ratio (1x1.25)
Dev/Ref, Fixed Range

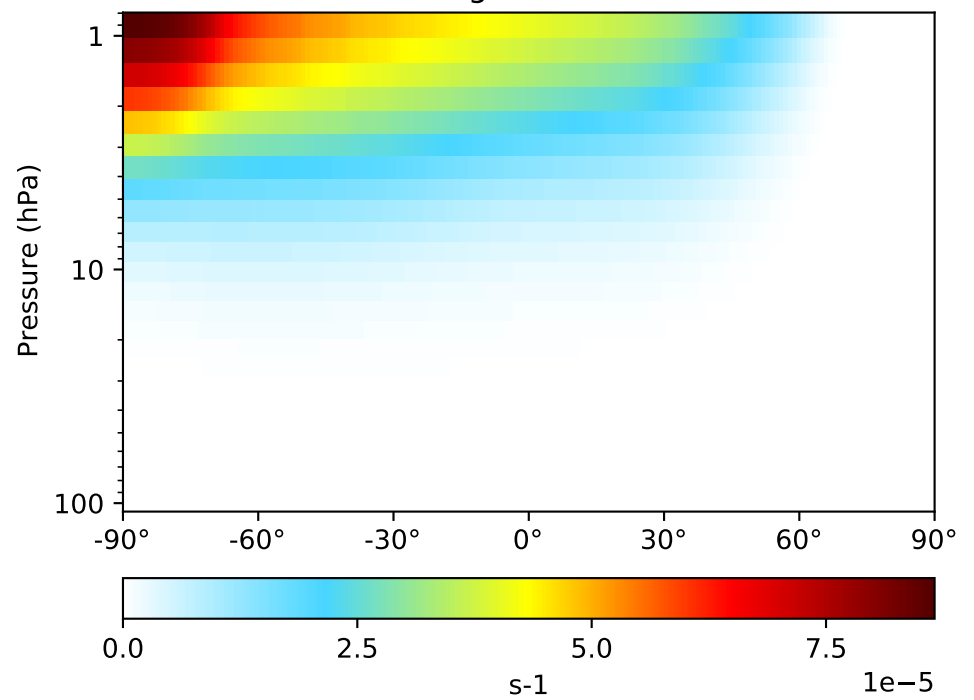


Jval_H2402, Zonal Mean (Jan2019)

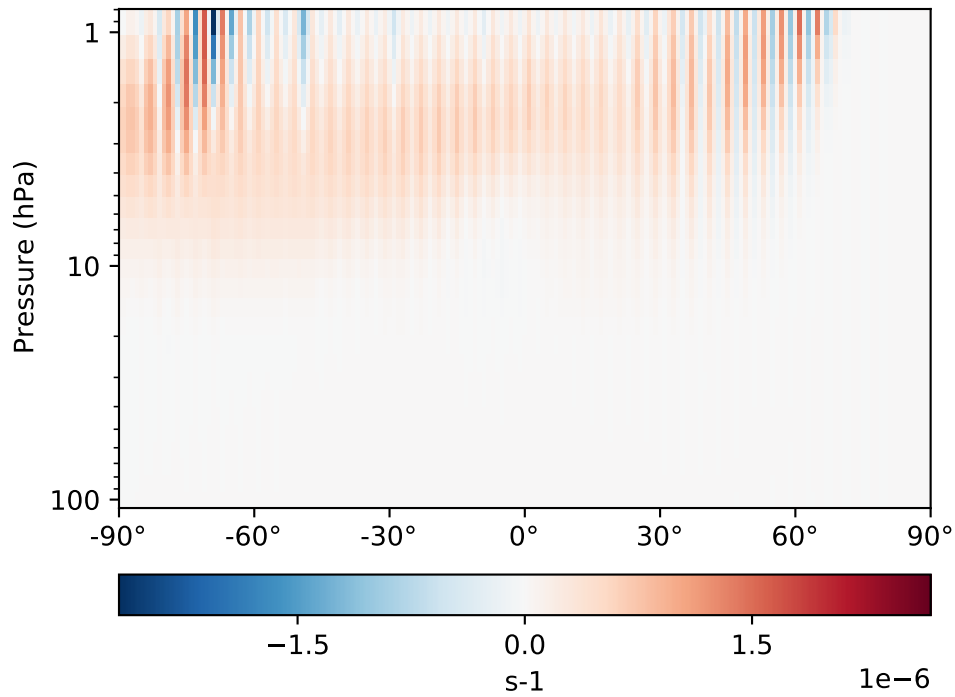
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



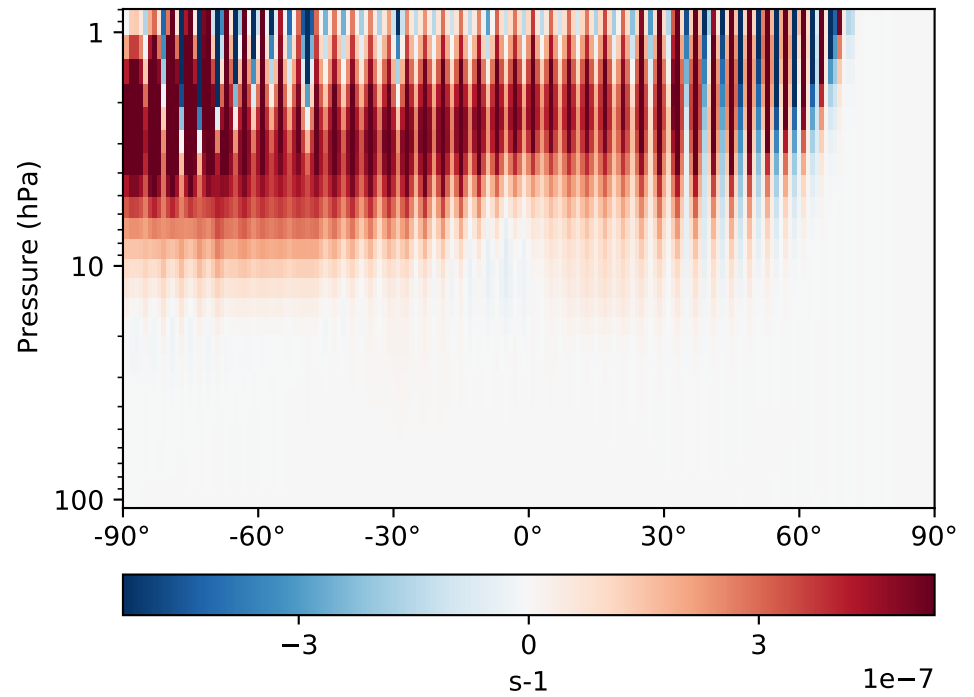
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



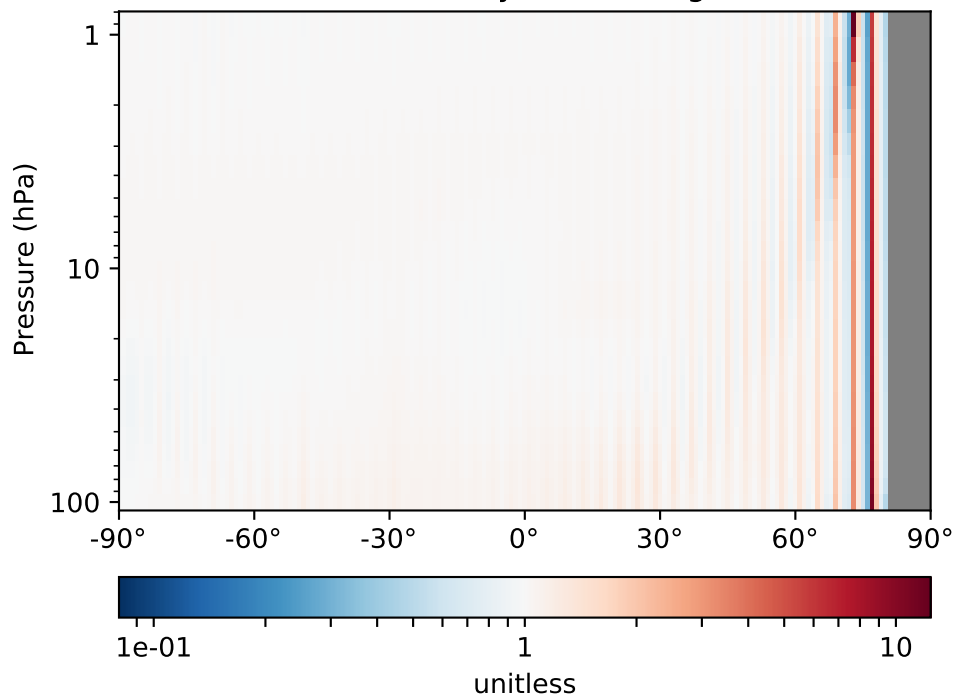
Difference (1x1.25)
Dev - Ref, Dynamic Range



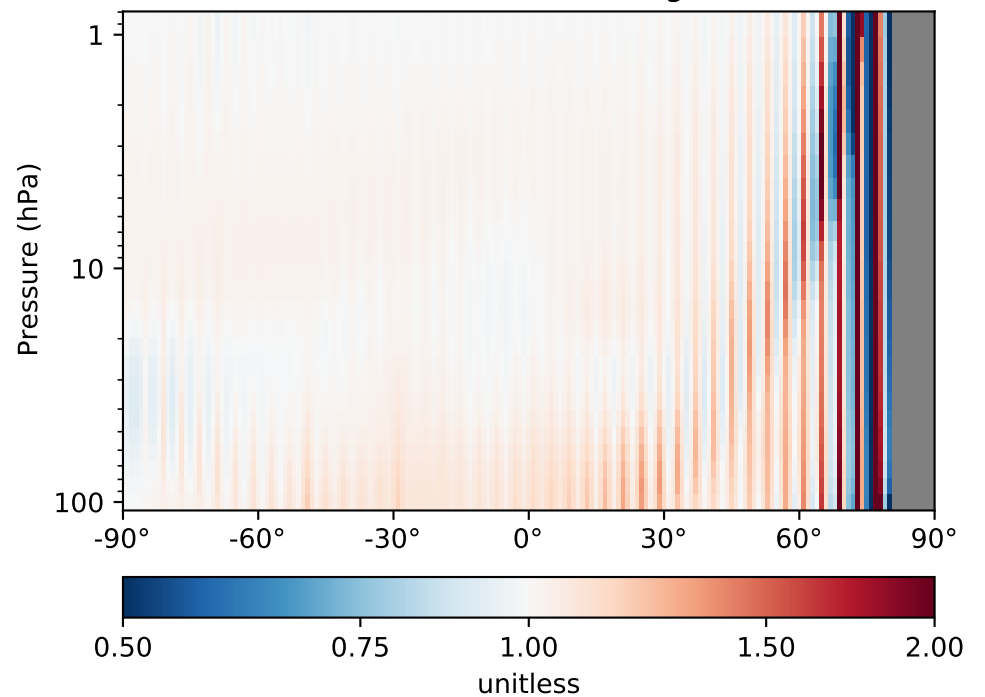
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

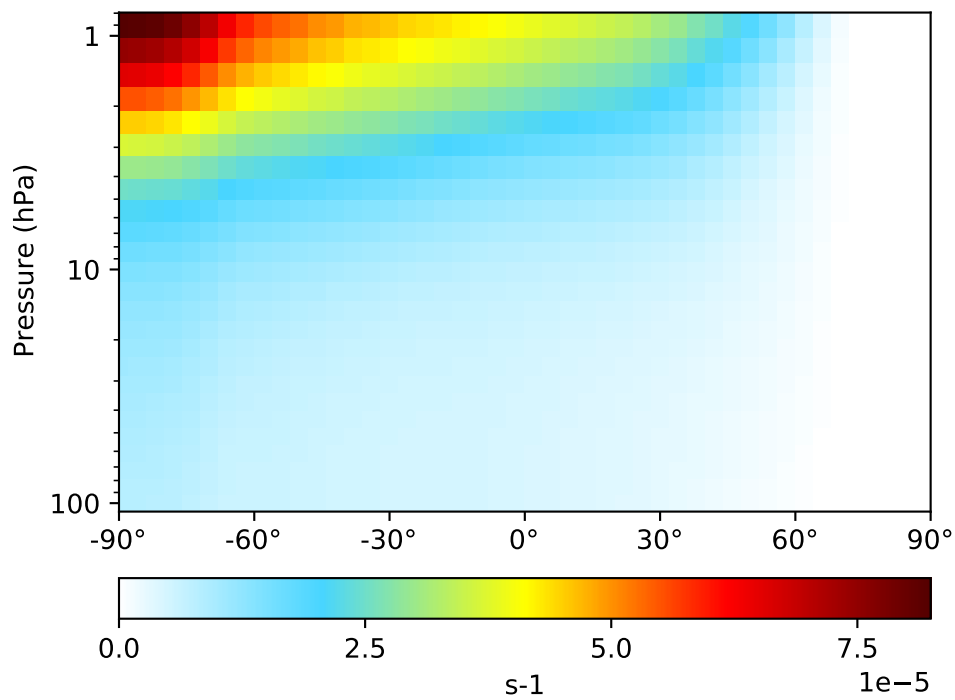


Ratio (1x1.25)
Dev/Ref, Fixed Range

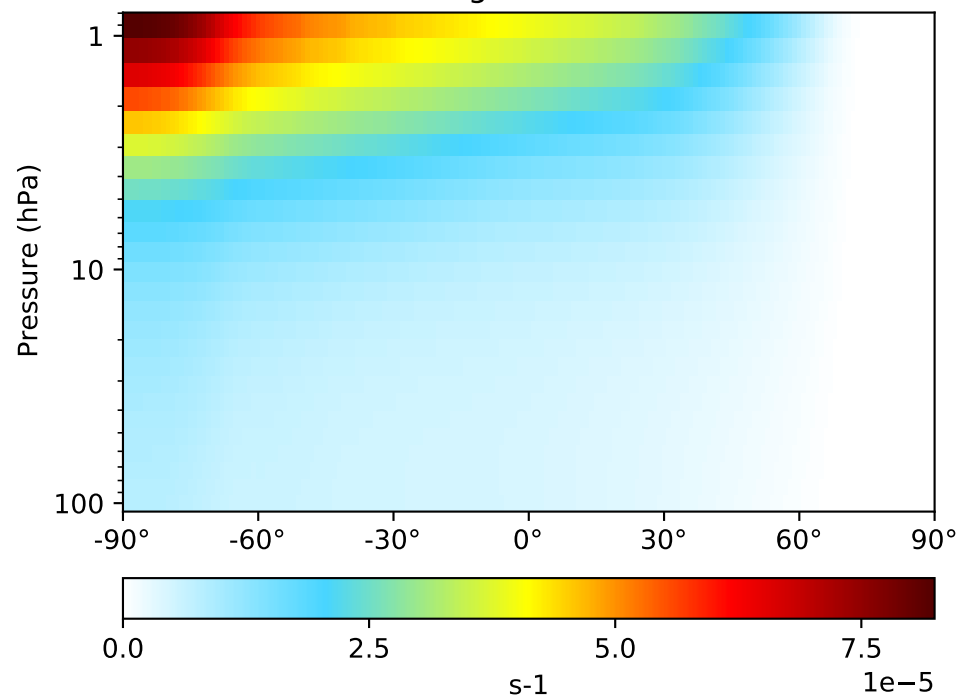


Jval_H2O2, Zonal Mean (Jan2019)

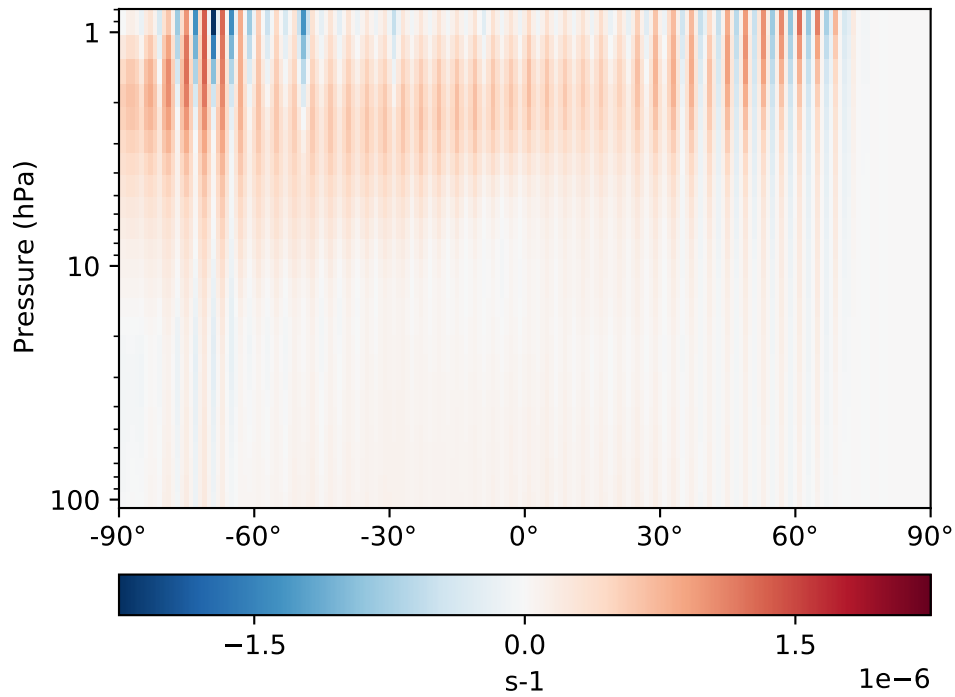
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



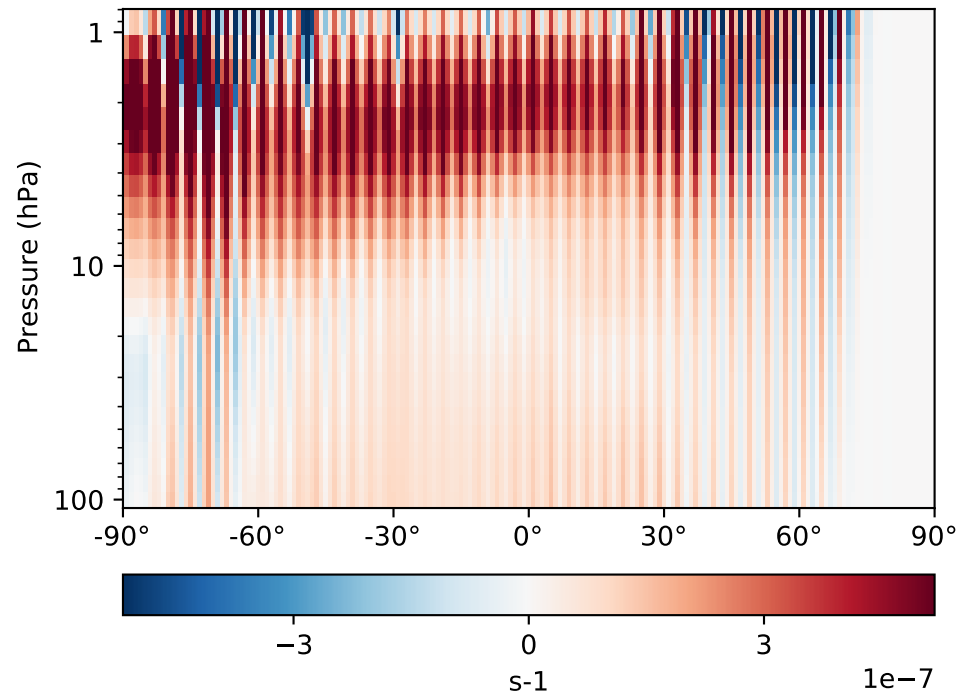
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



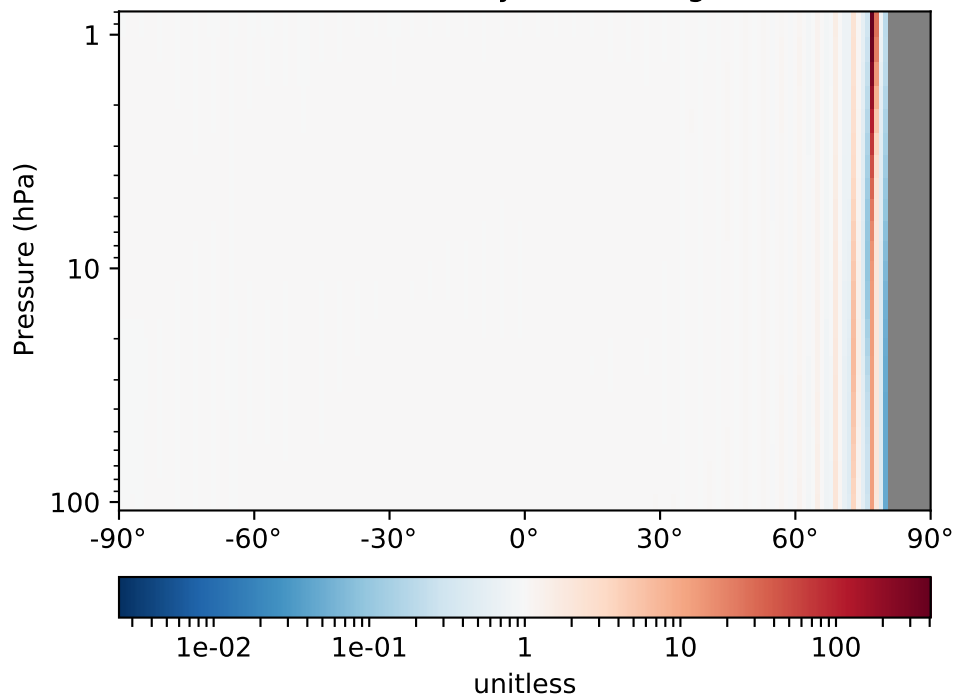
Difference (1x1.25)
Dev - Ref, Dynamic Range



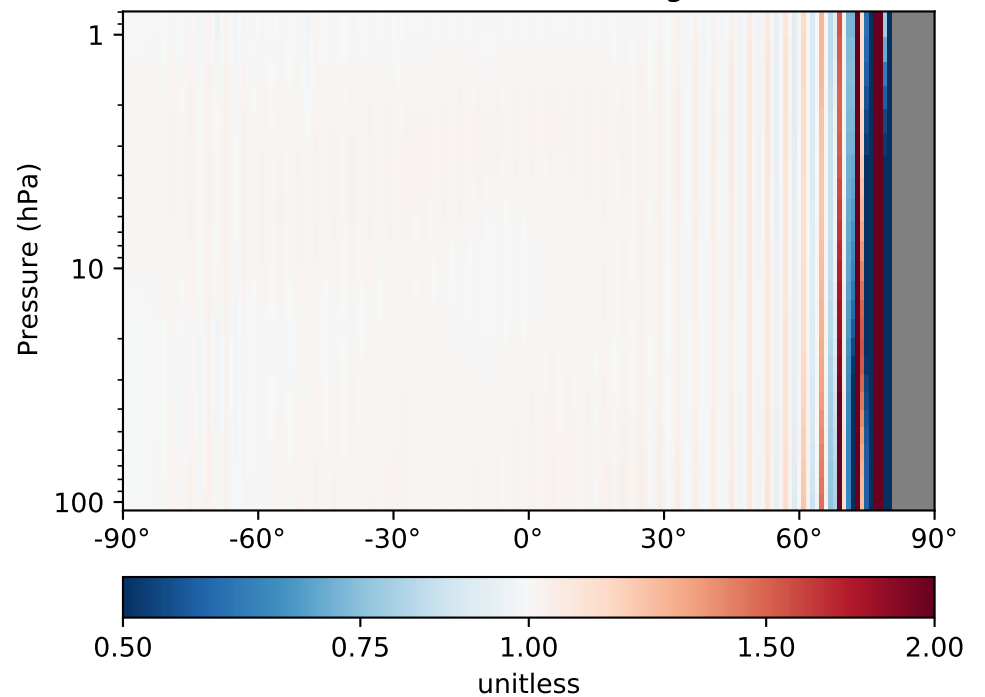
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

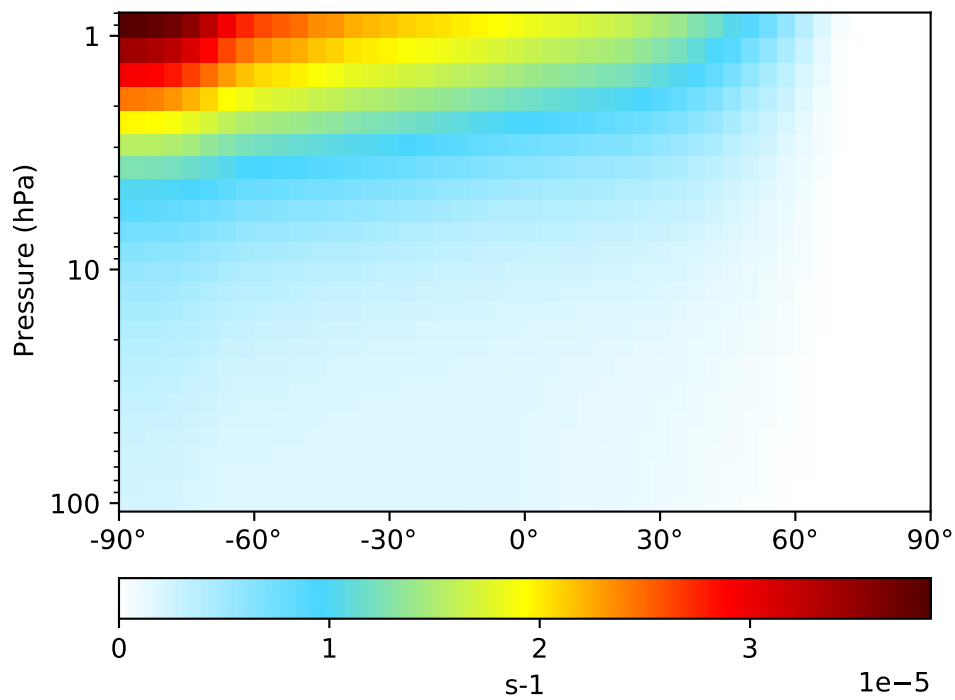


Ratio (1x1.25)
Dev/Ref, Fixed Range

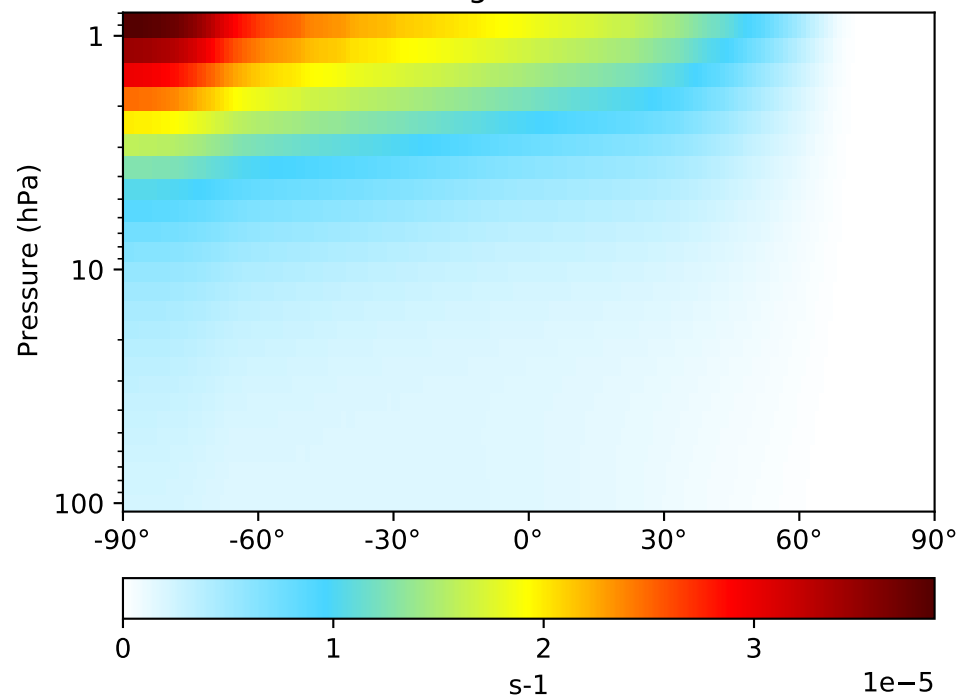


Jval_HAC, Zonal Mean (Jan2019)

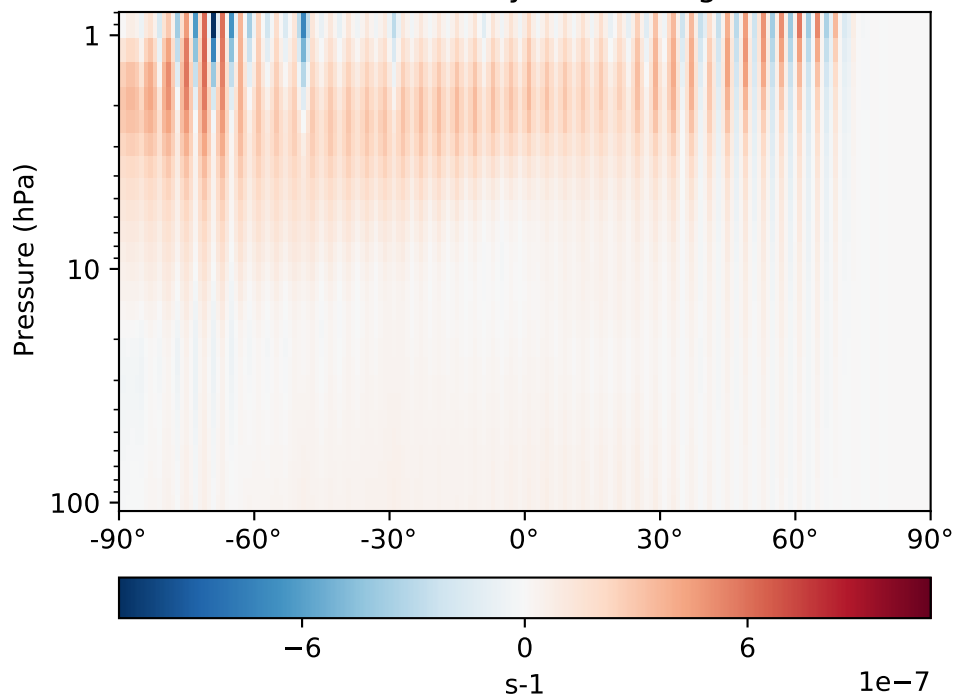
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



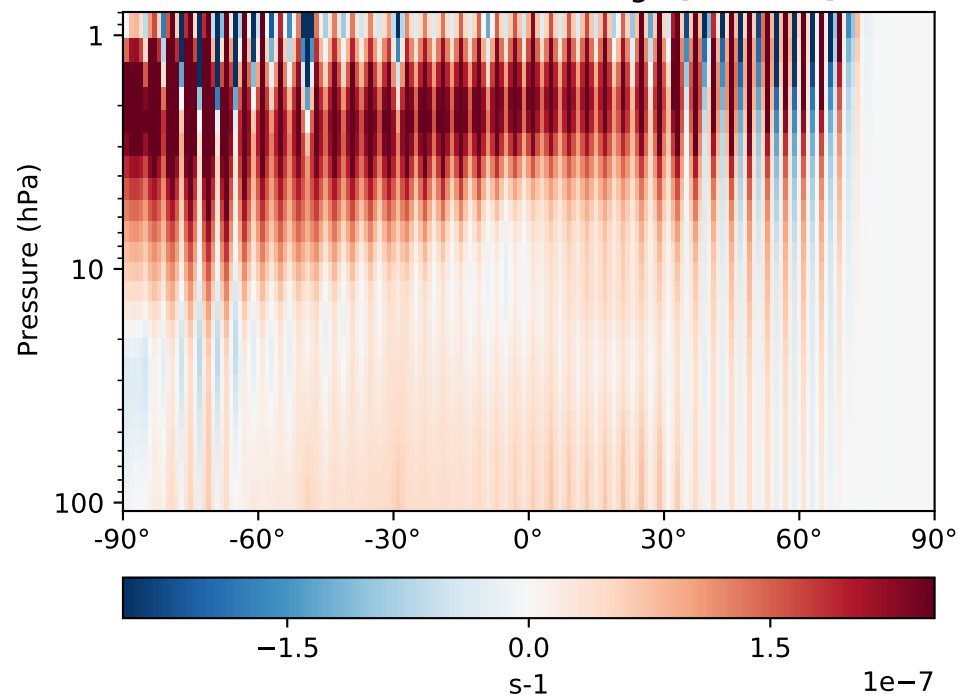
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



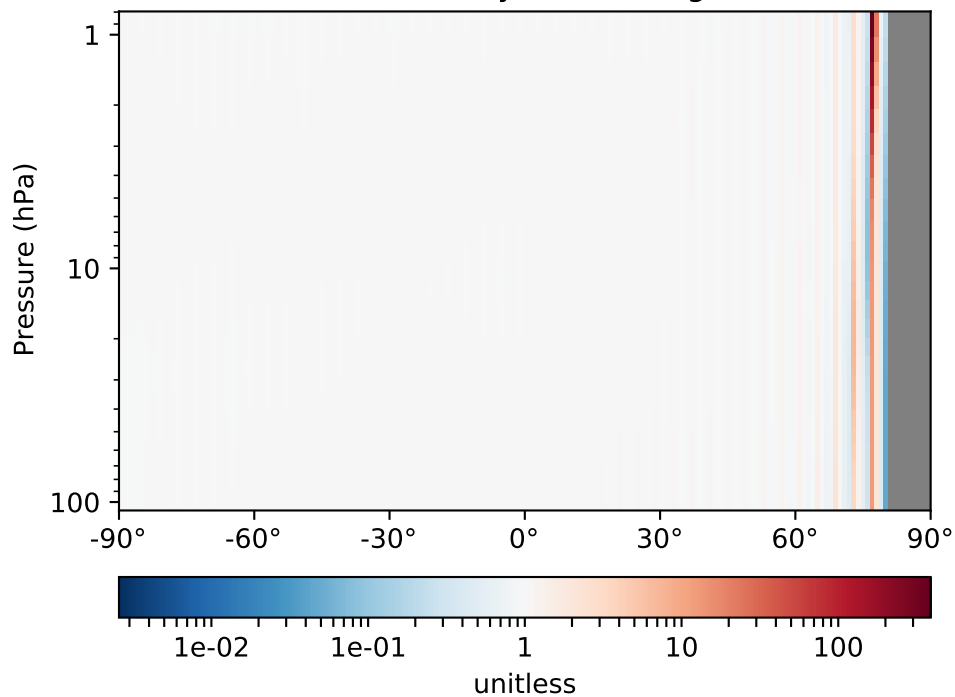
Difference (1x1.25)
Dev - Ref, Dynamic Range



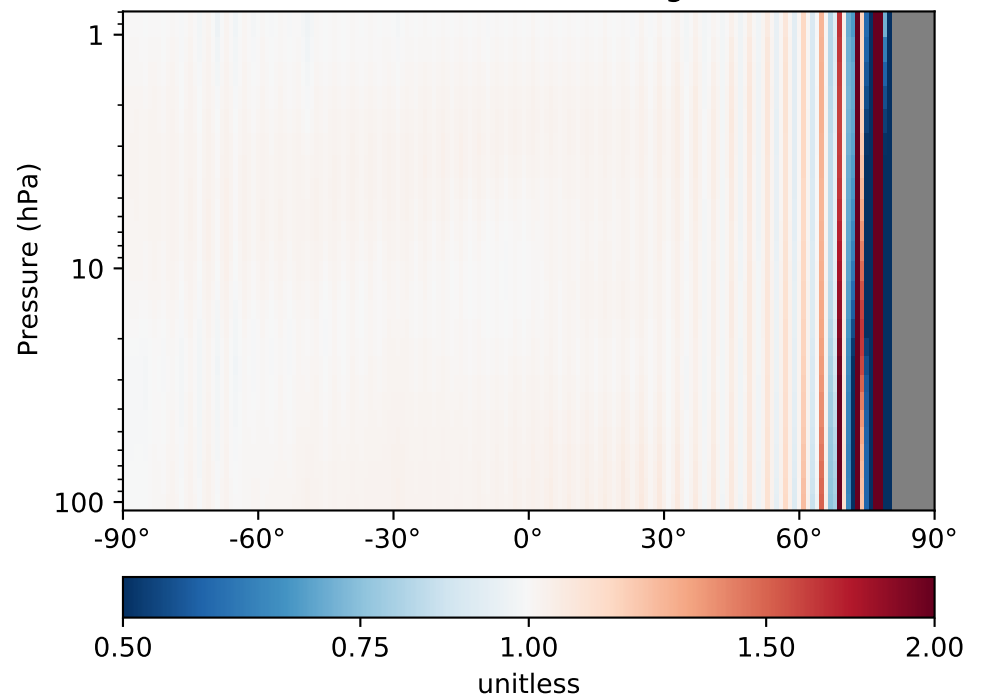
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

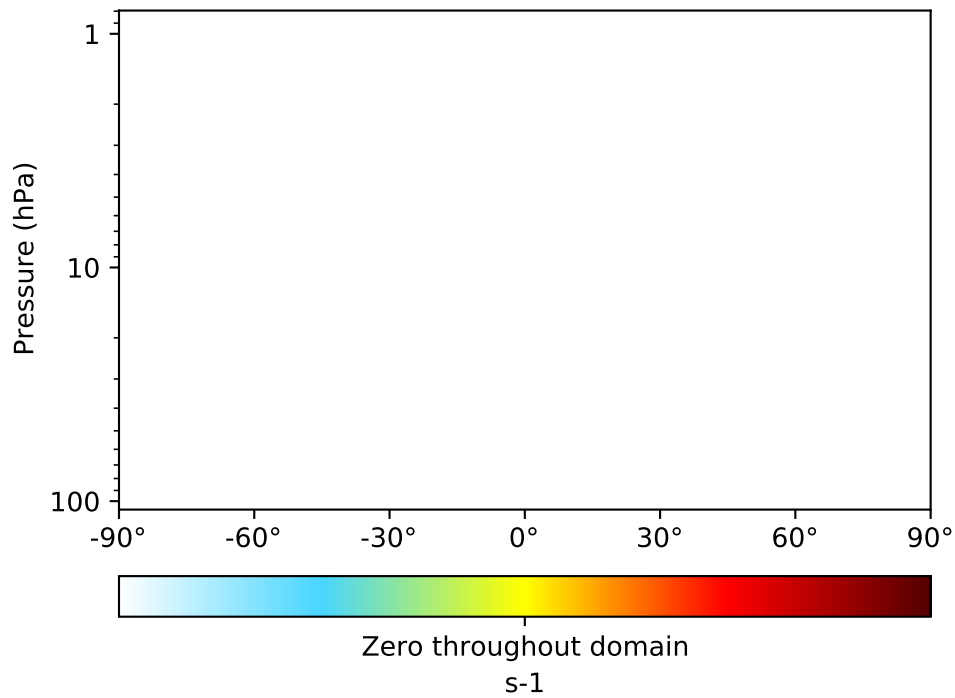


Ratio (1x1.25)
Dev/Ref, Fixed Range

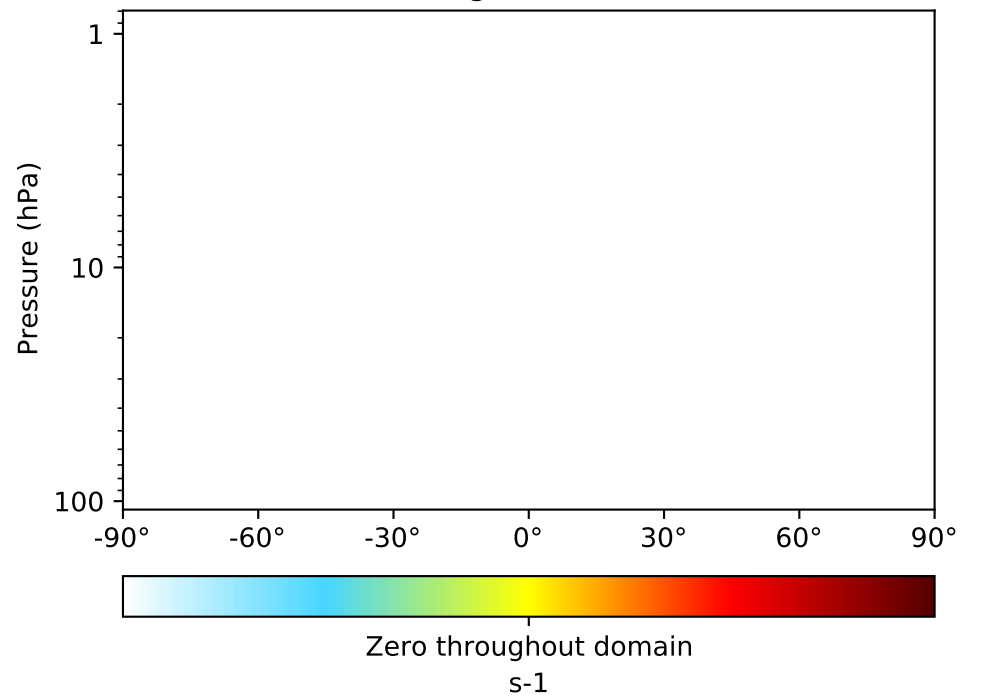


Jval_HC5A, Zonal Mean (Jan2019)

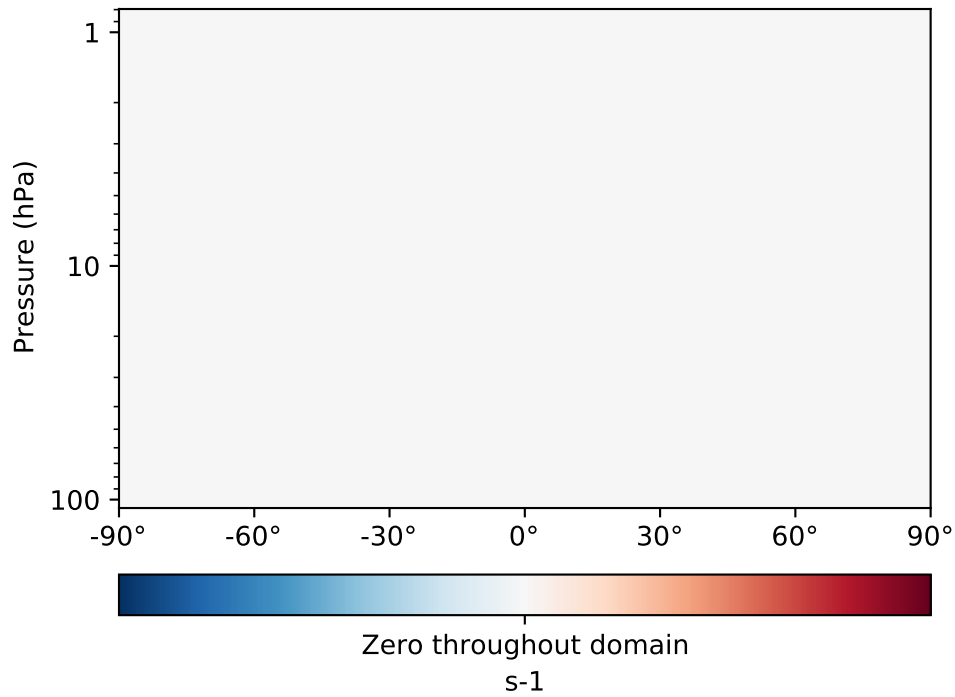
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



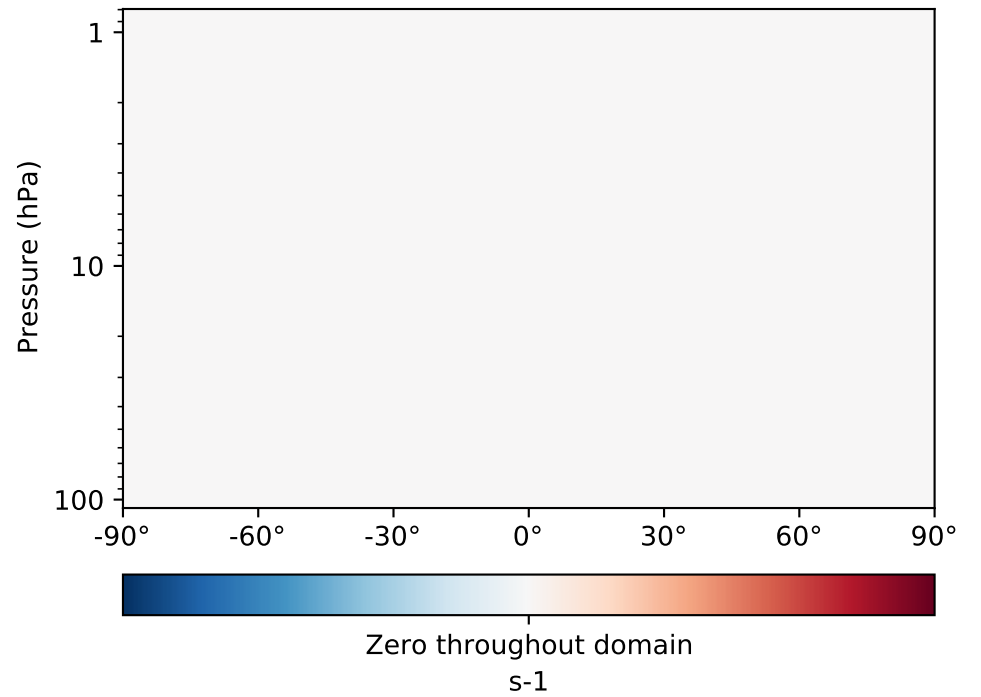
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



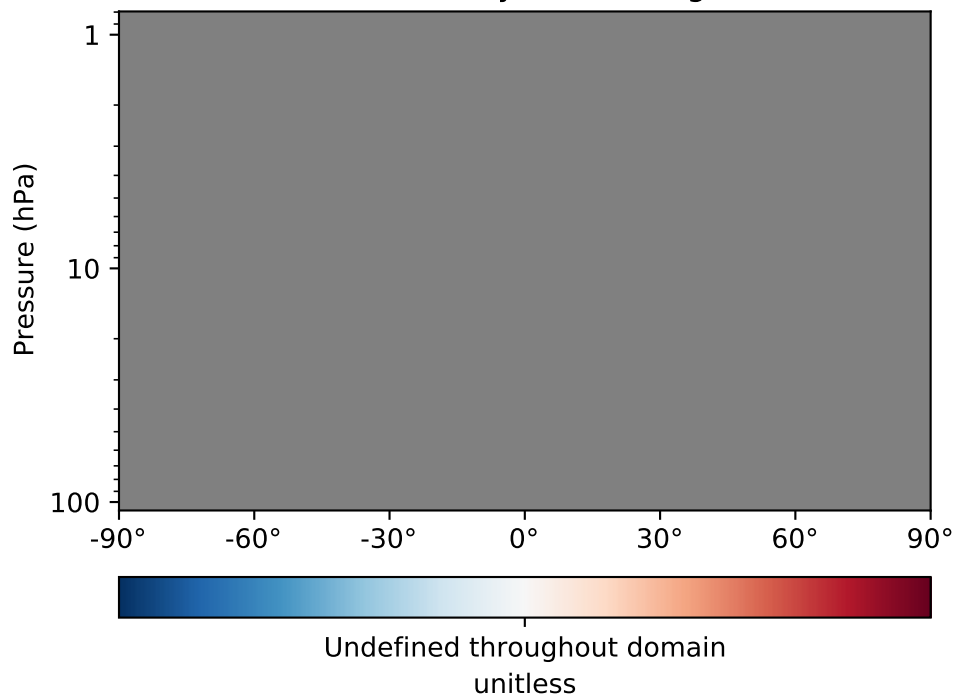
Difference (1x1.25)
Dev - Ref, Dynamic Range



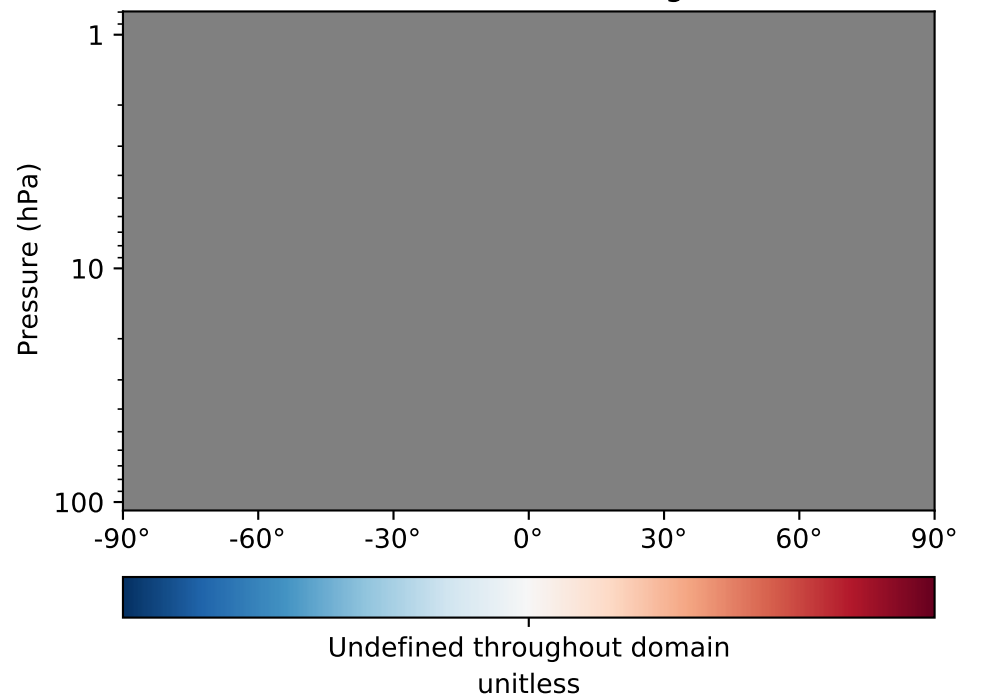
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

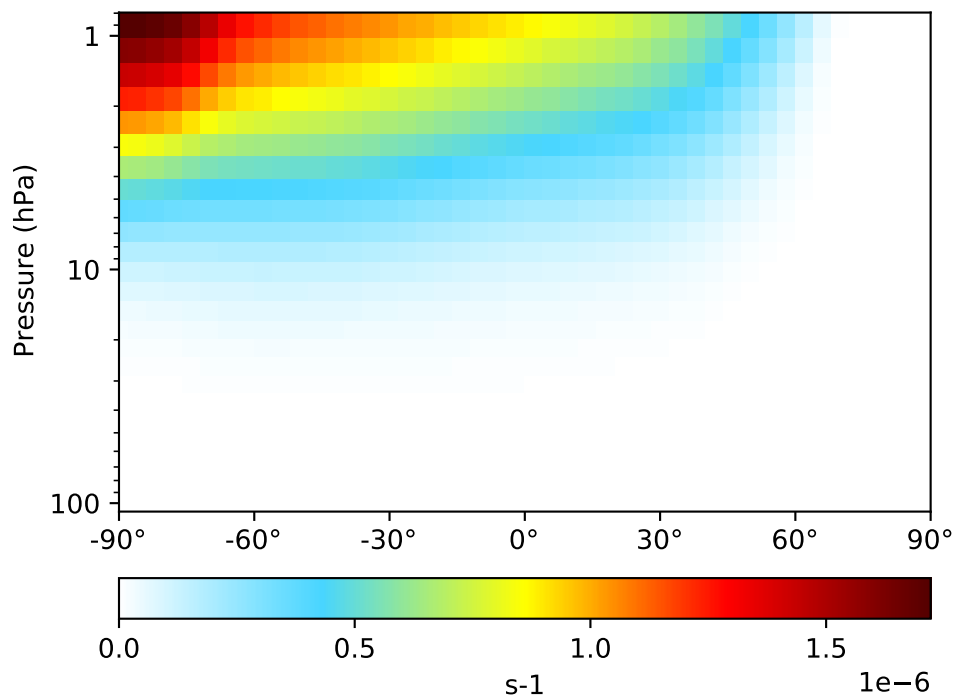


Ratio (1x1.25)
Dev/Ref, Fixed Range

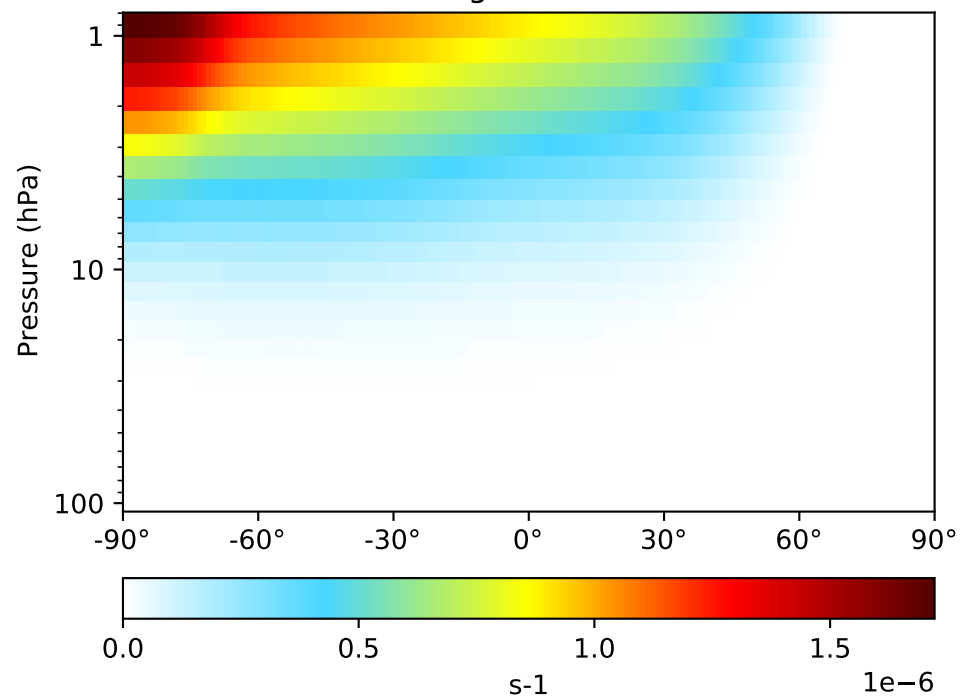


Jval_HCFC123, Zonal Mean (Jan2019)

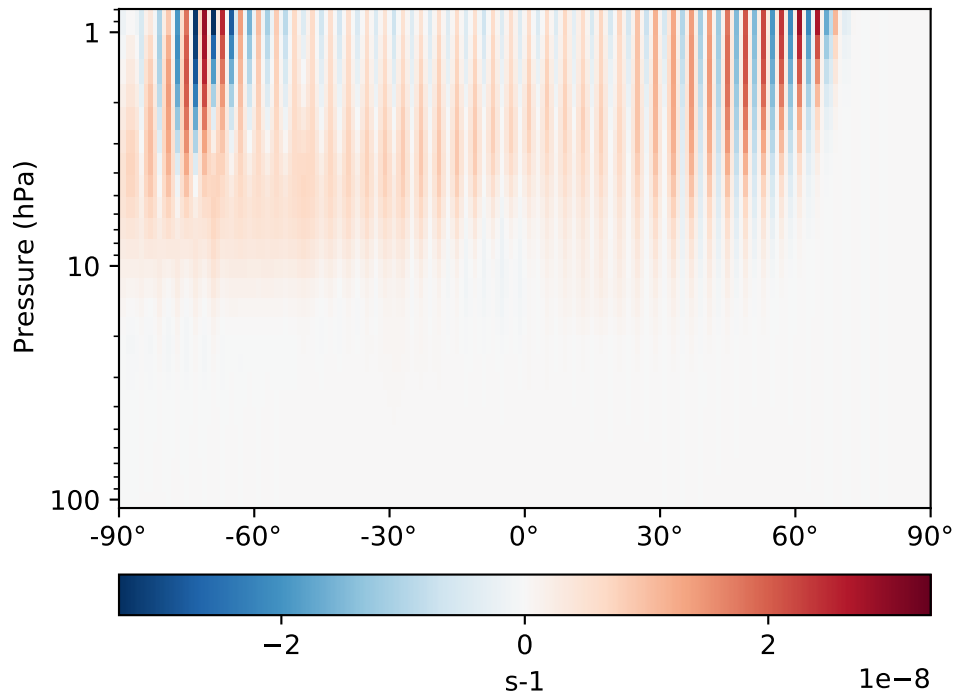
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



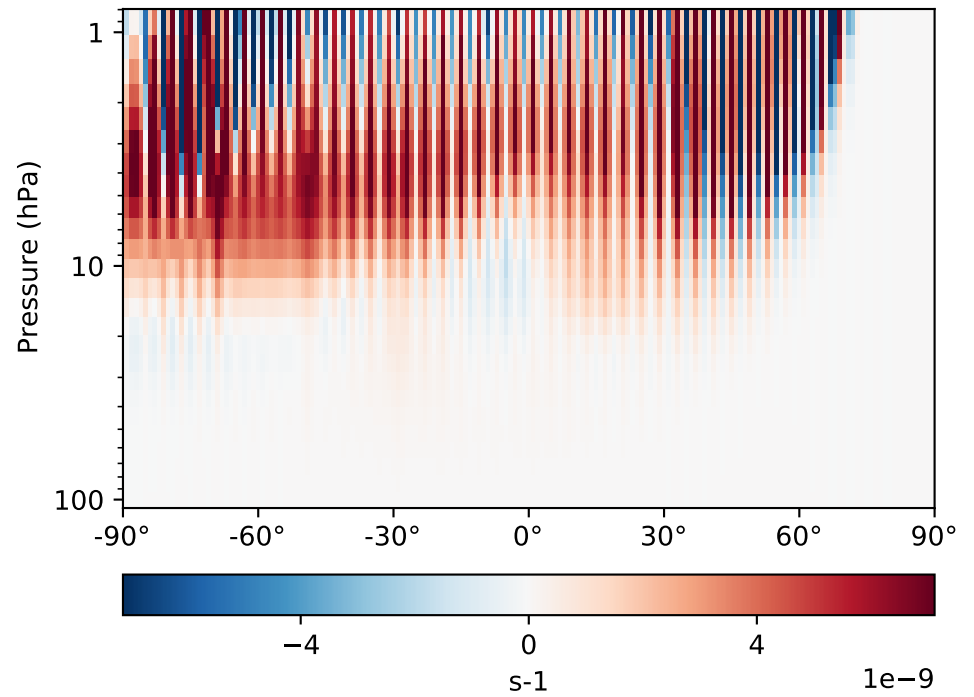
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



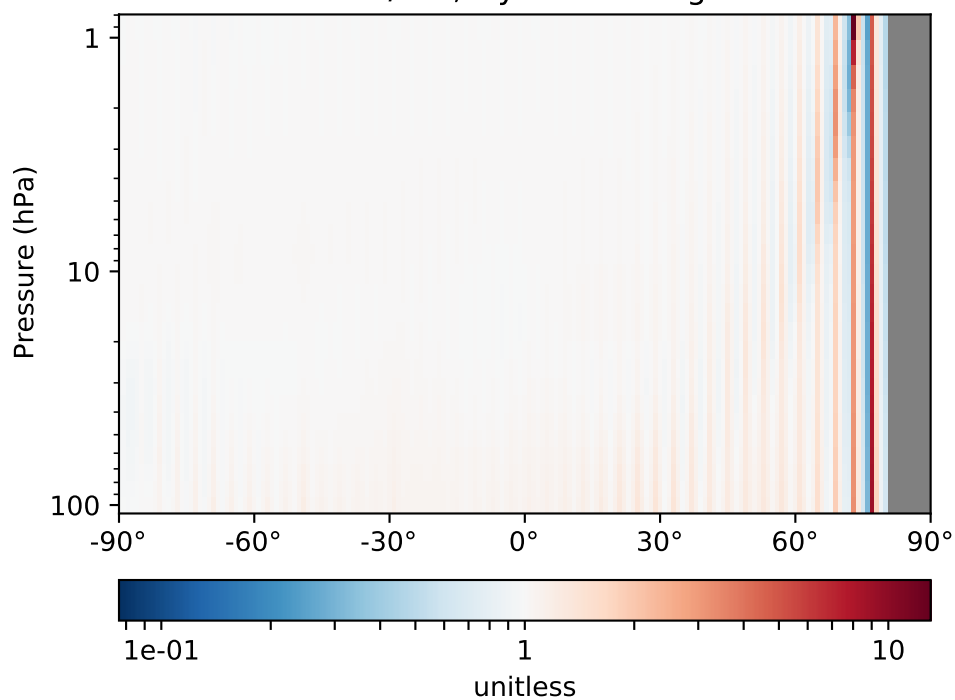
Difference (1x1.25)
Dev - Ref, Dynamic Range



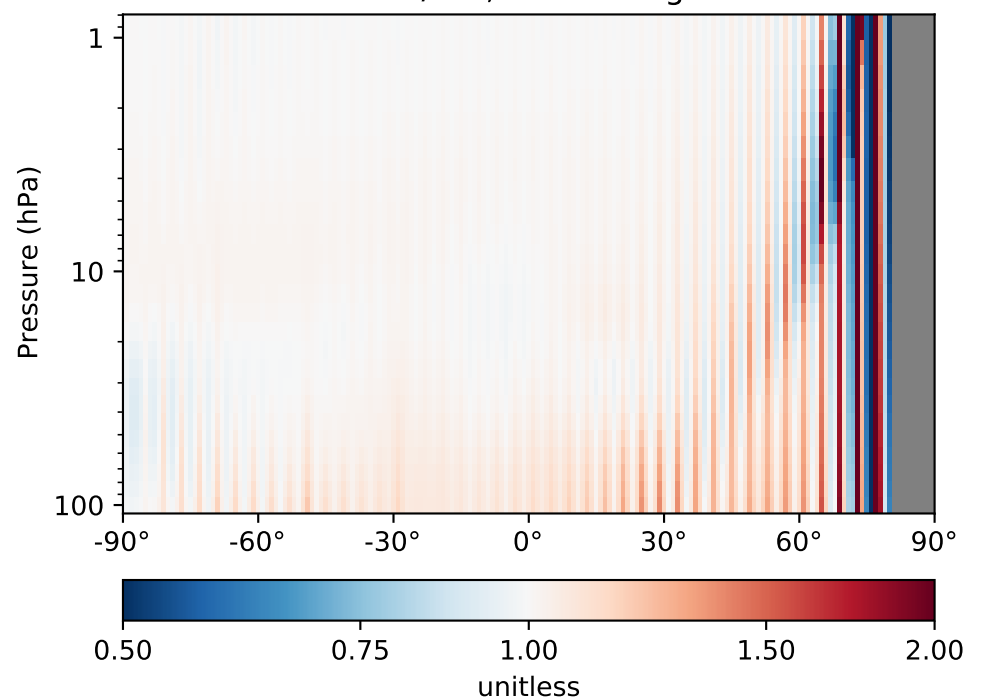
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

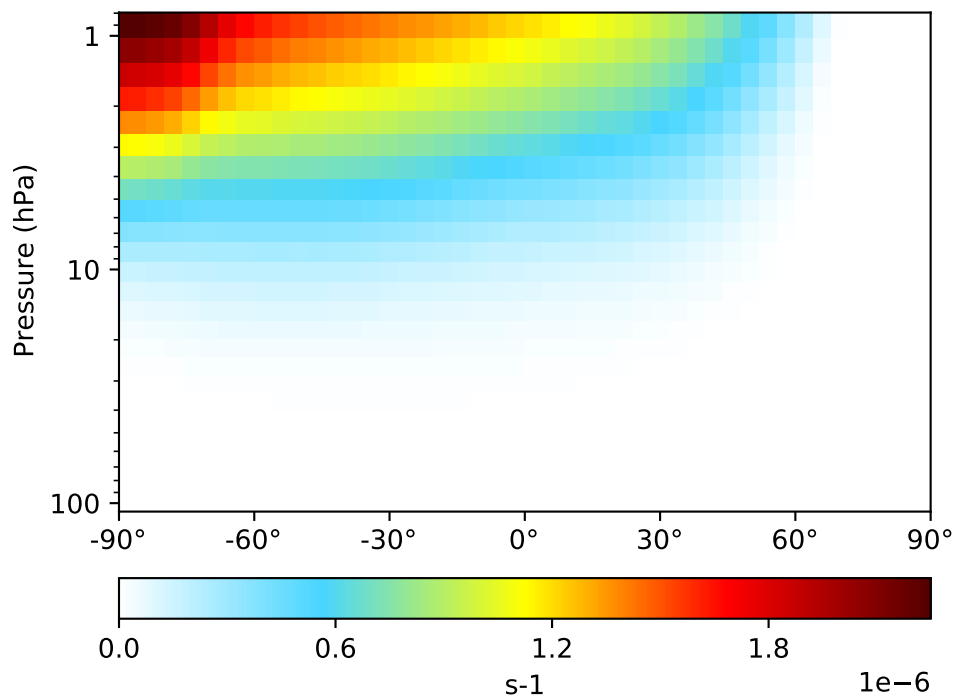


Ratio (1x1.25)
Dev/Ref, Fixed Range

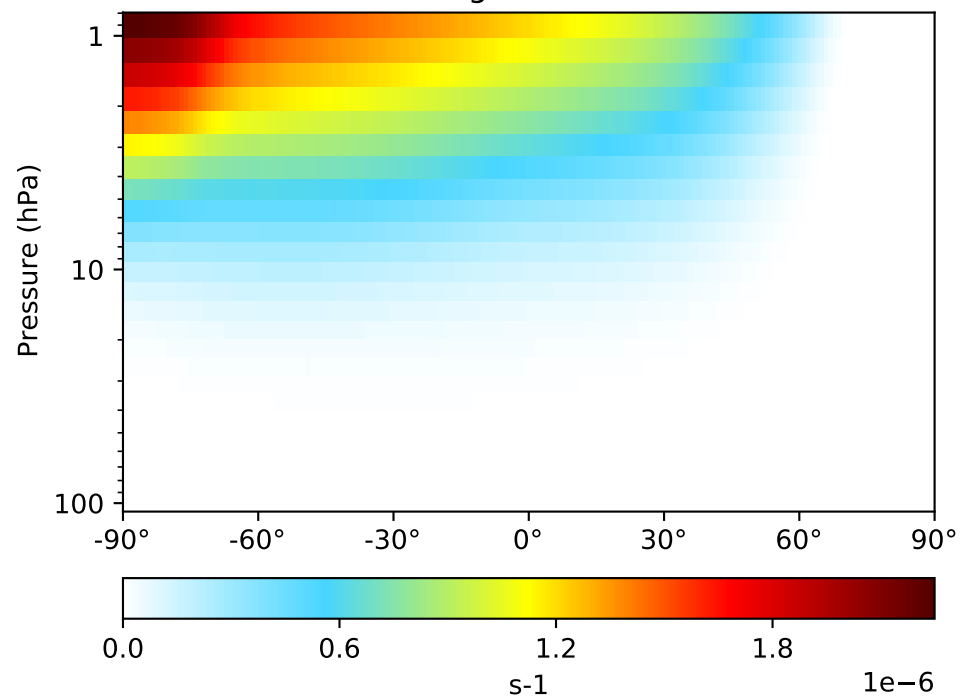


Jval_HCFC141b, Zonal Mean (Jan2019)

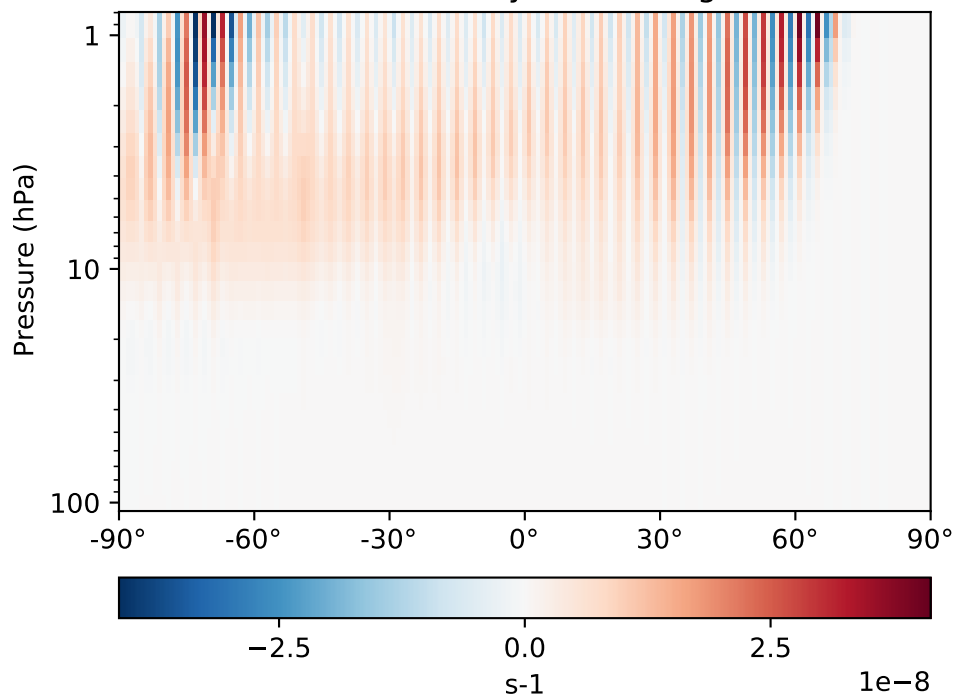
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



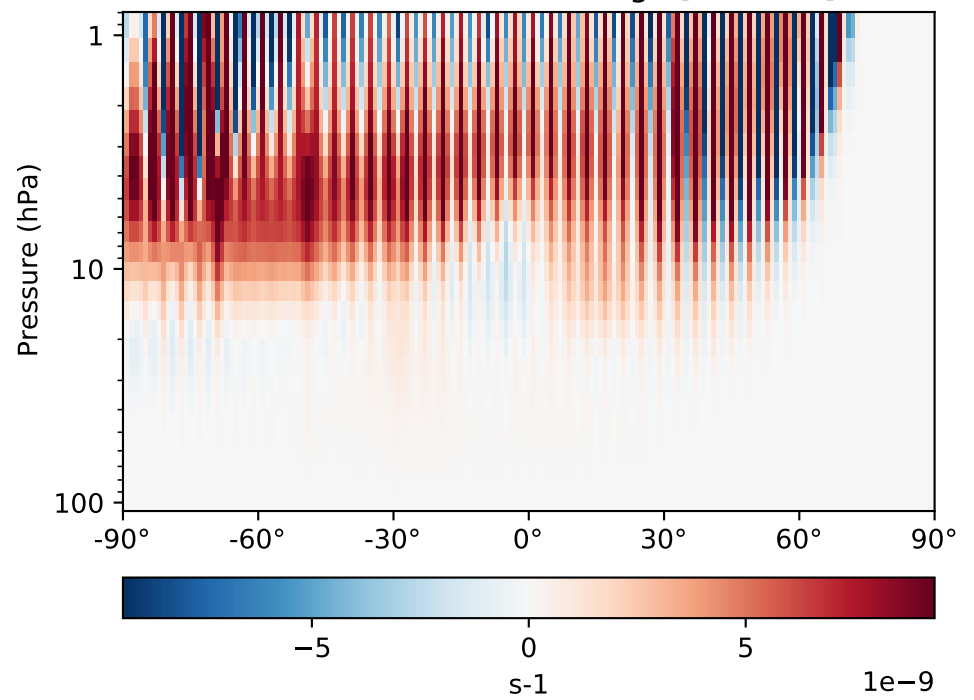
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



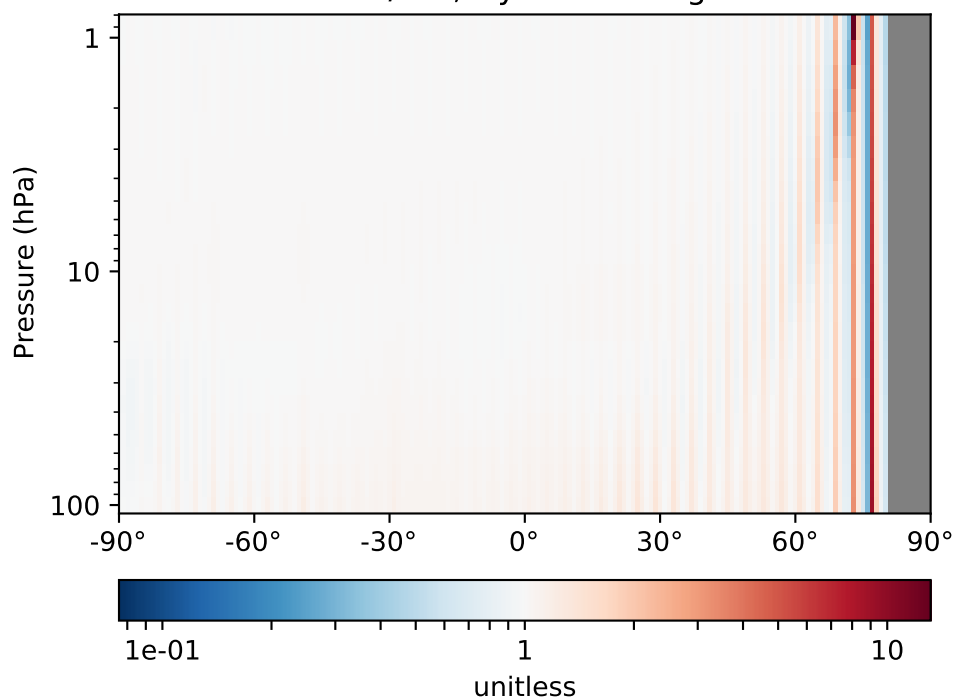
Difference (1x1.25)
Dev - Ref, Dynamic Range



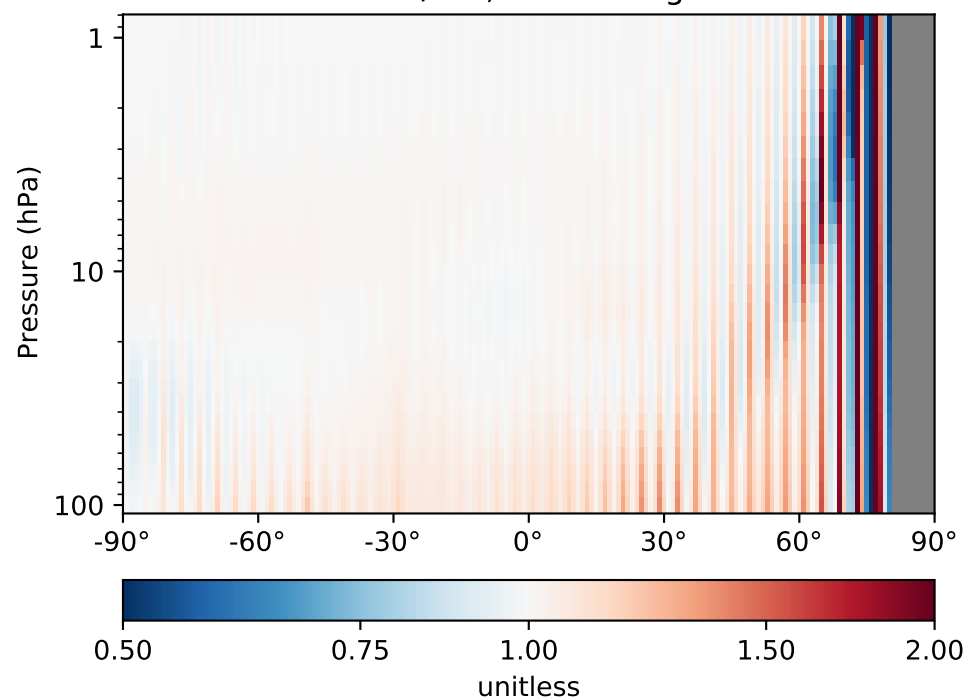
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

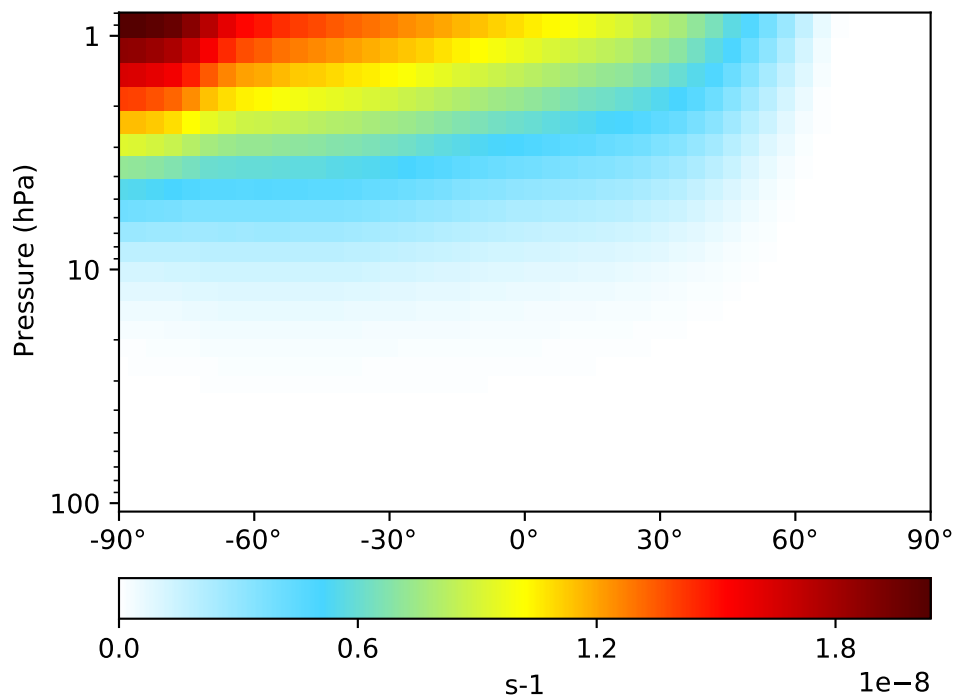


Ratio (1x1.25)
Dev/Ref, Fixed Range

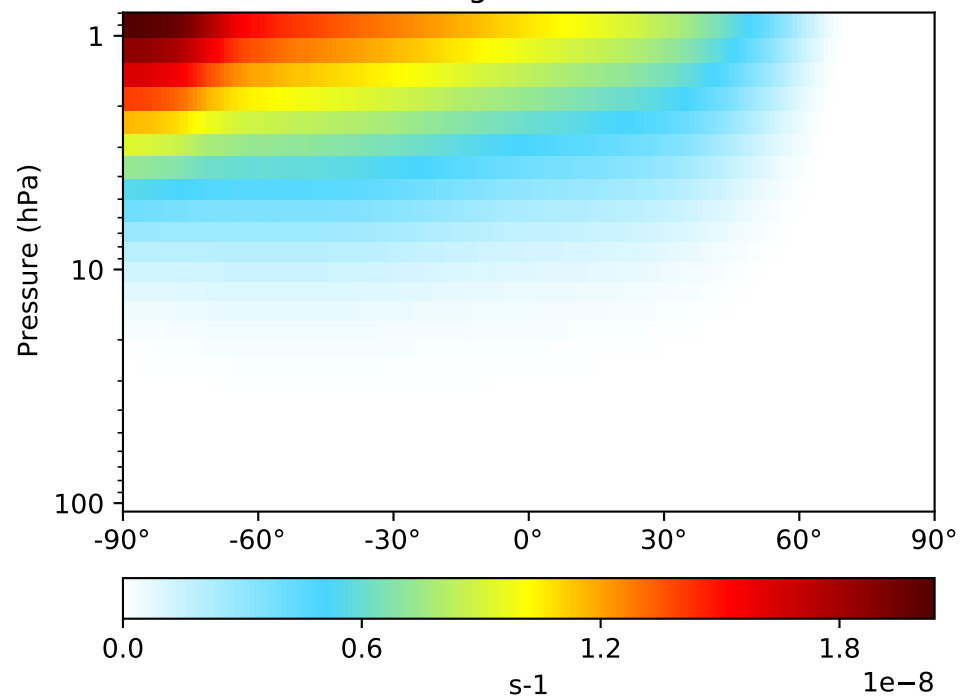


Jval_HCFC142b, Zonal Mean (Jan2019)

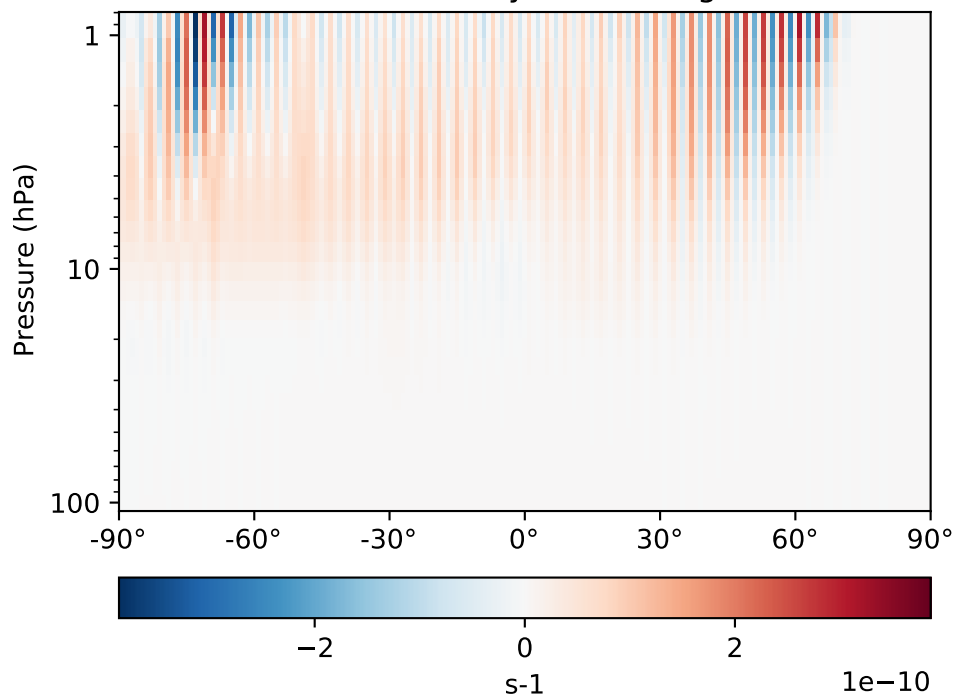
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



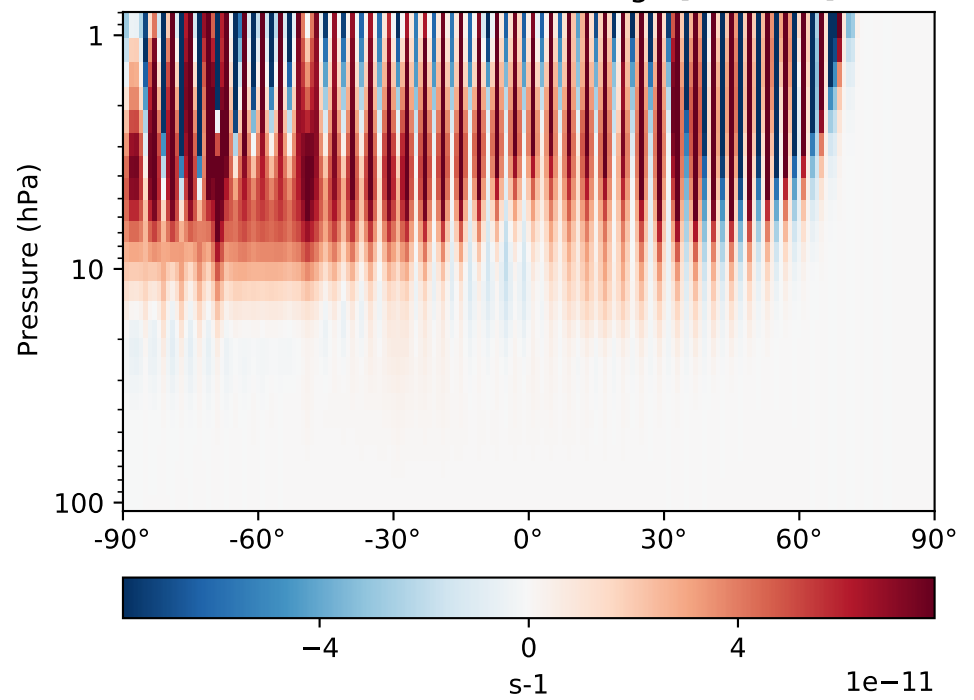
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



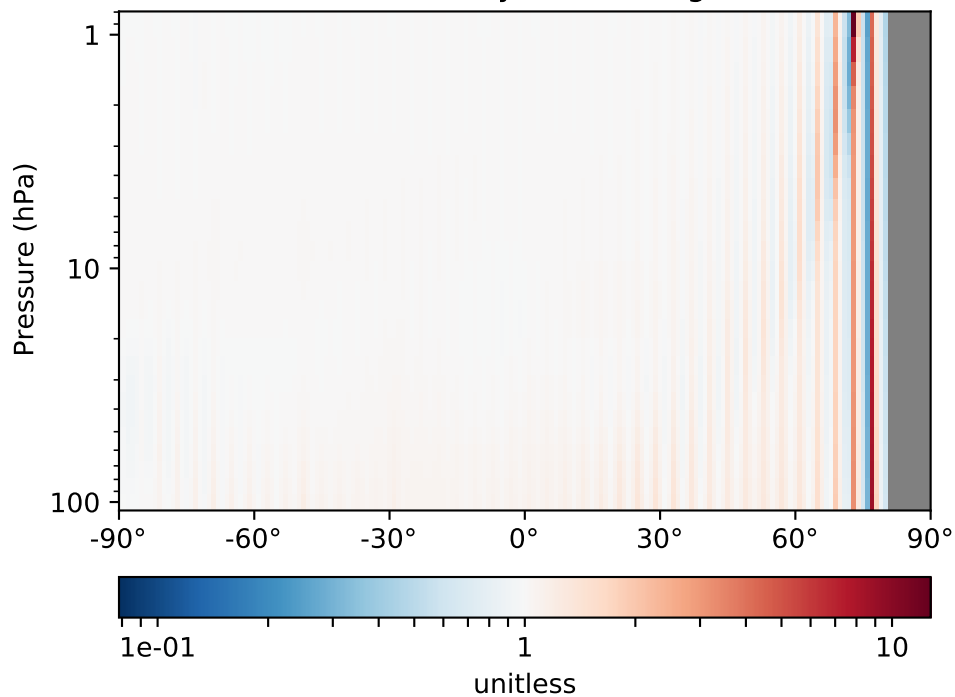
Difference (1x1.25)
Dev - Ref, Dynamic Range



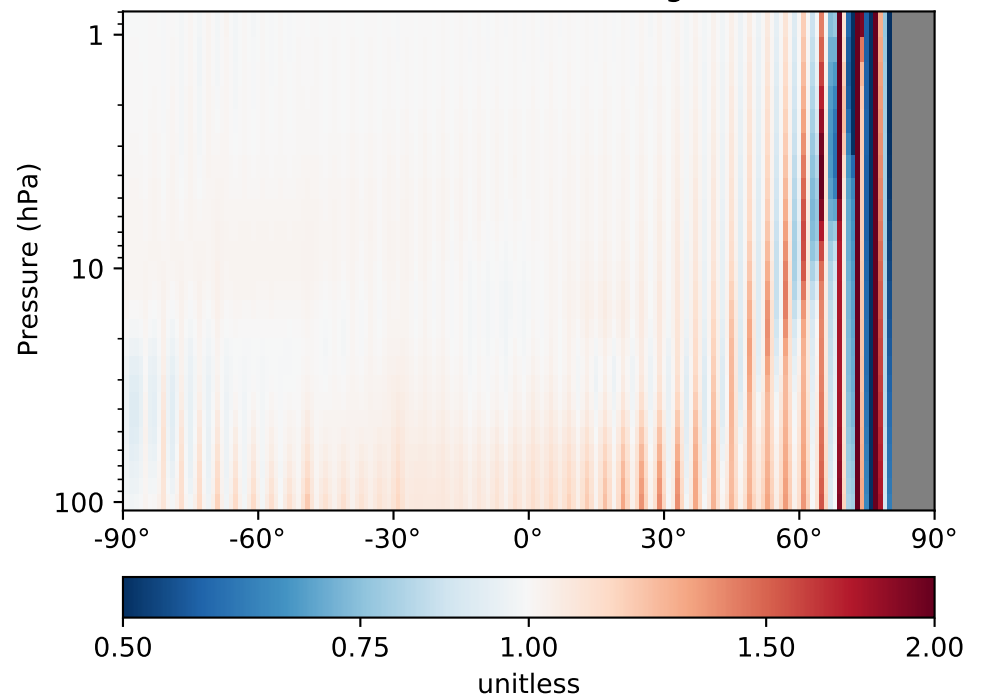
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

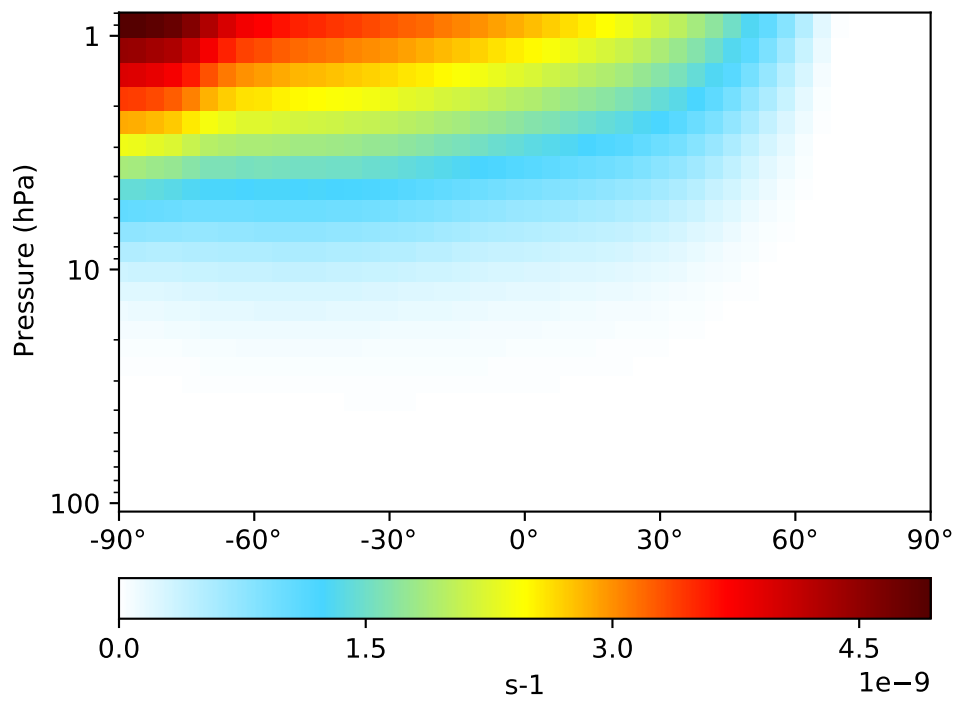


Ratio (1x1.25)
Dev/Ref, Fixed Range

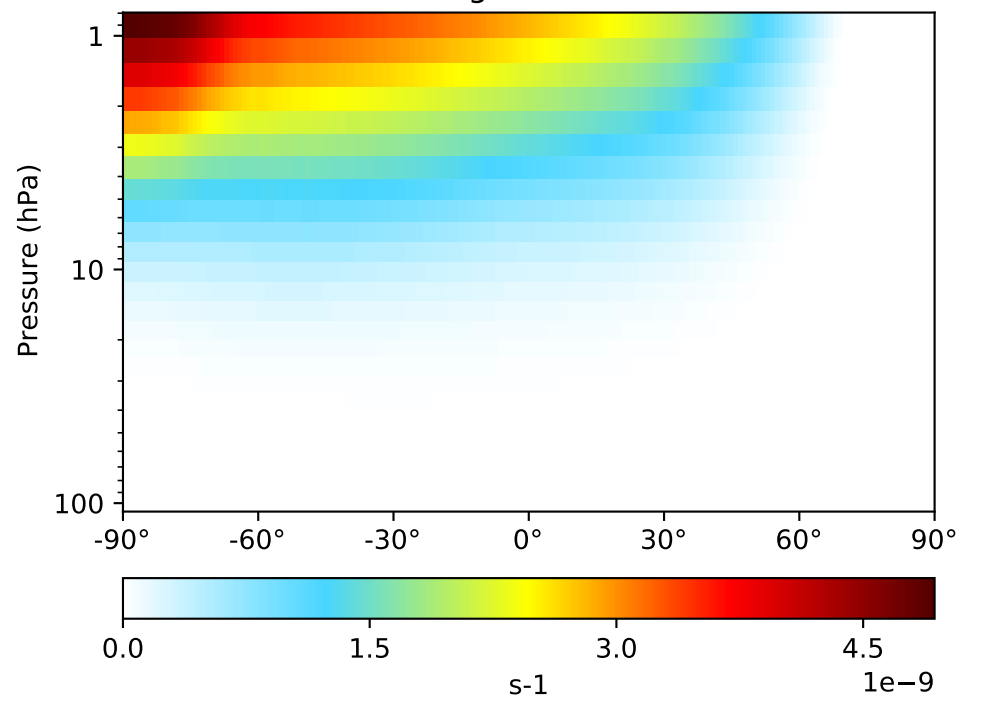


Jval_HCFC22, Zonal Mean (Jan2019)

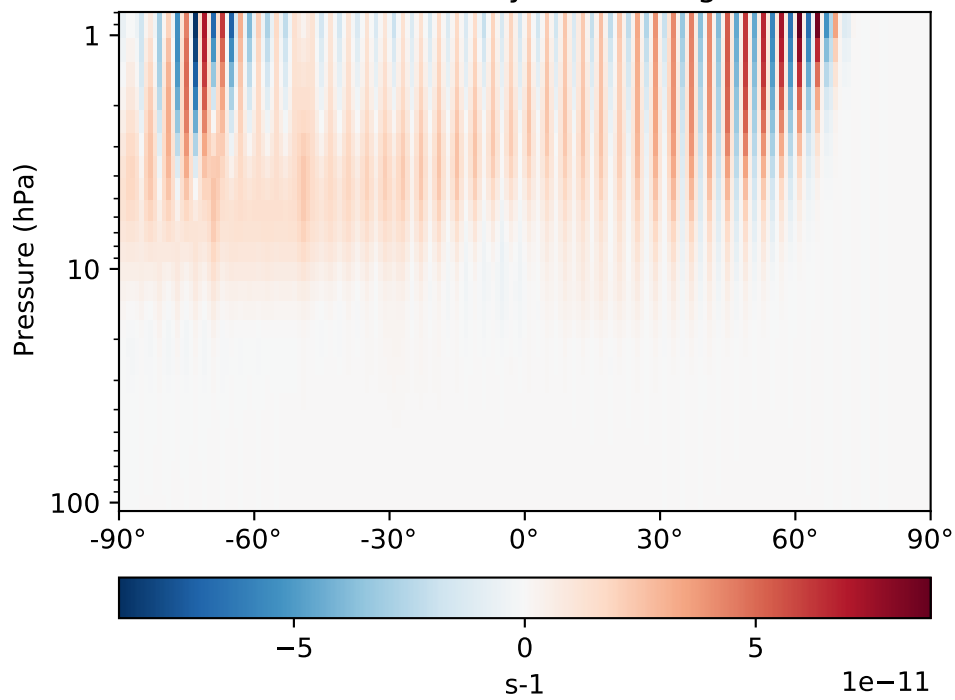
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



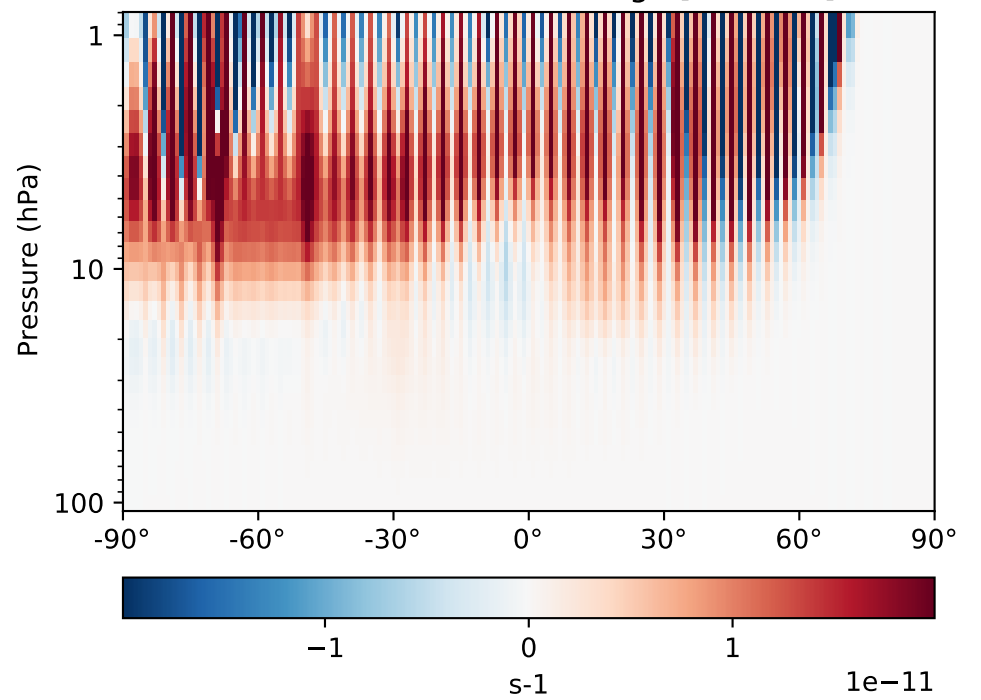
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



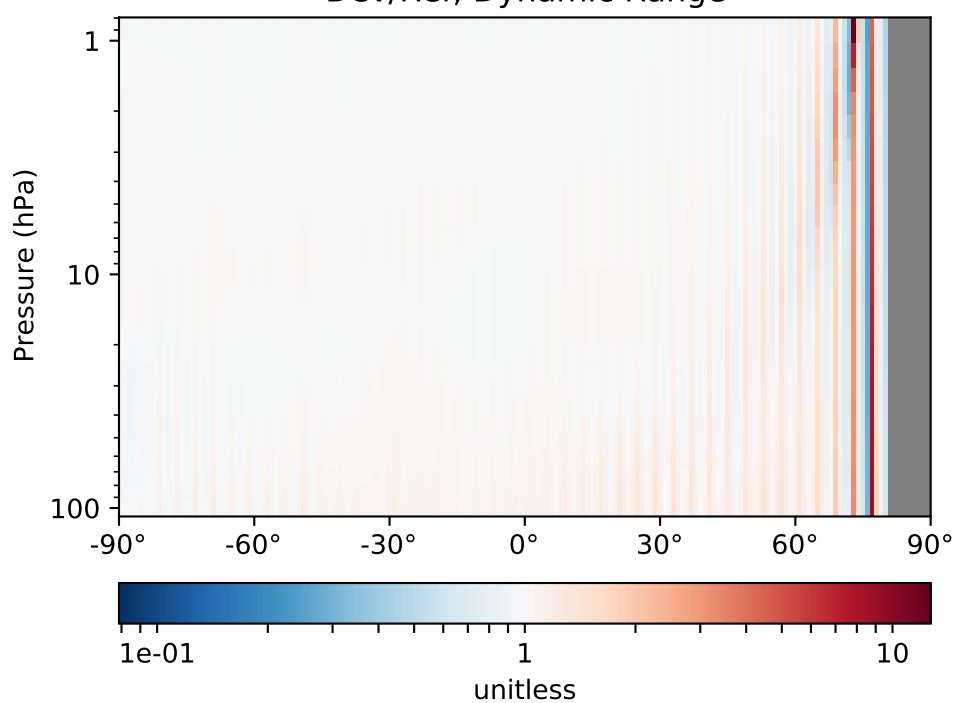
Difference (1x1.25)
Dev - Ref, Dynamic Range



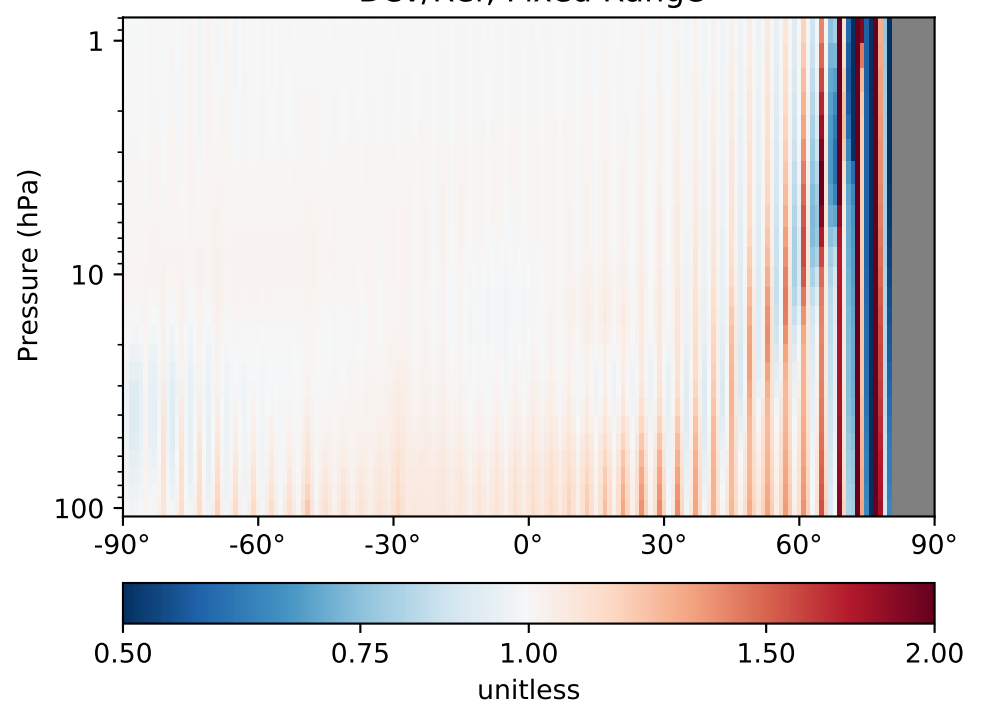
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

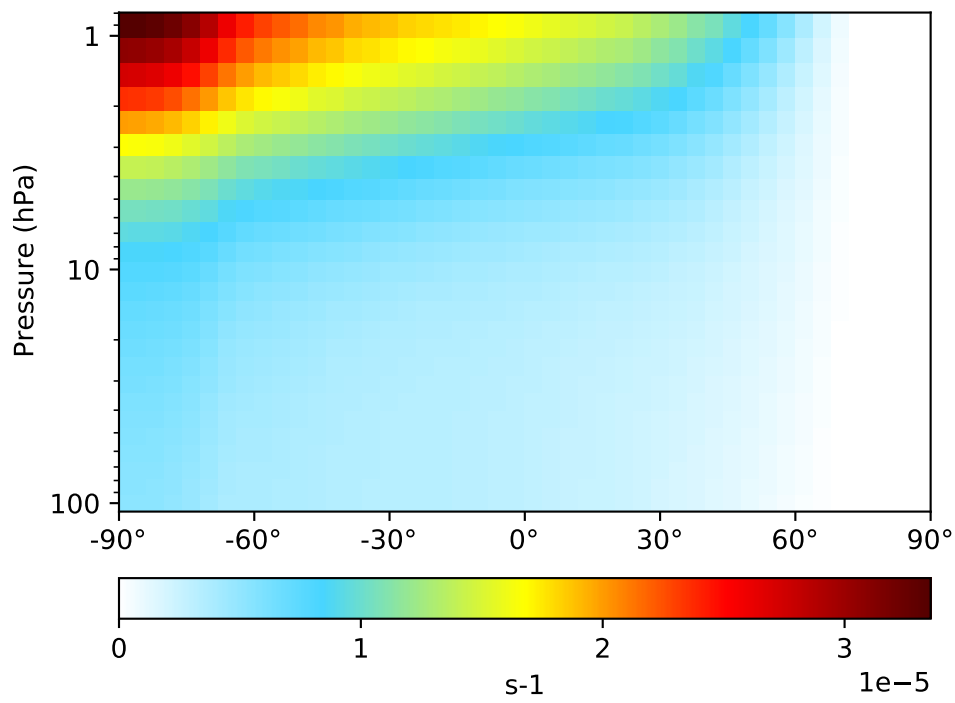


Ratio (1x1.25)
Dev/Ref, Fixed Range

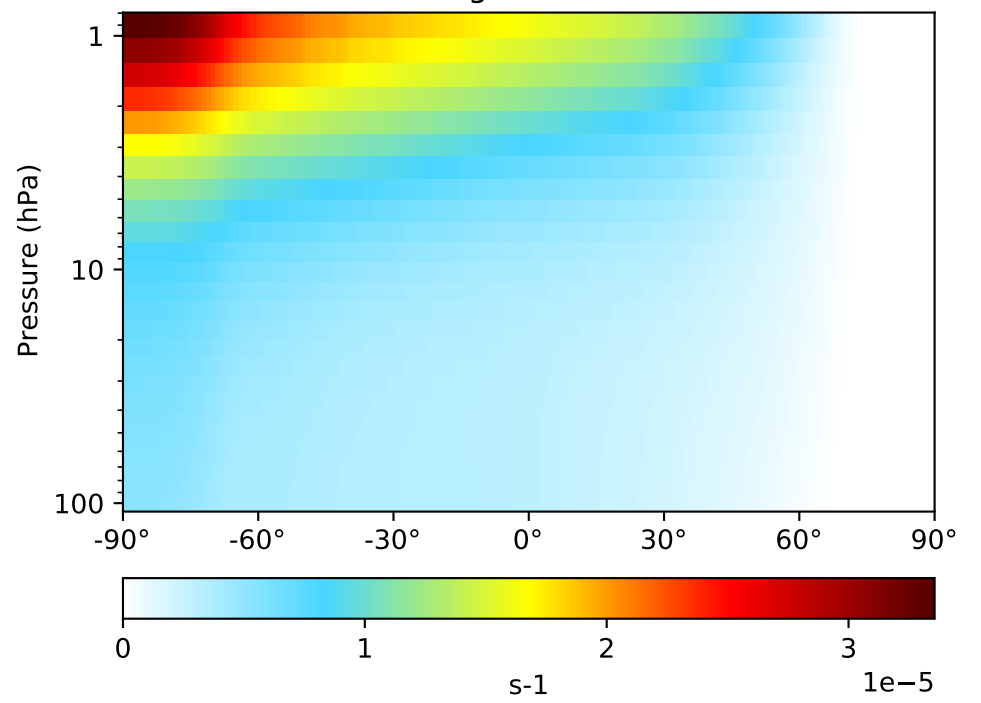


Jval_HMHP, Zonal Mean (Jan2019)

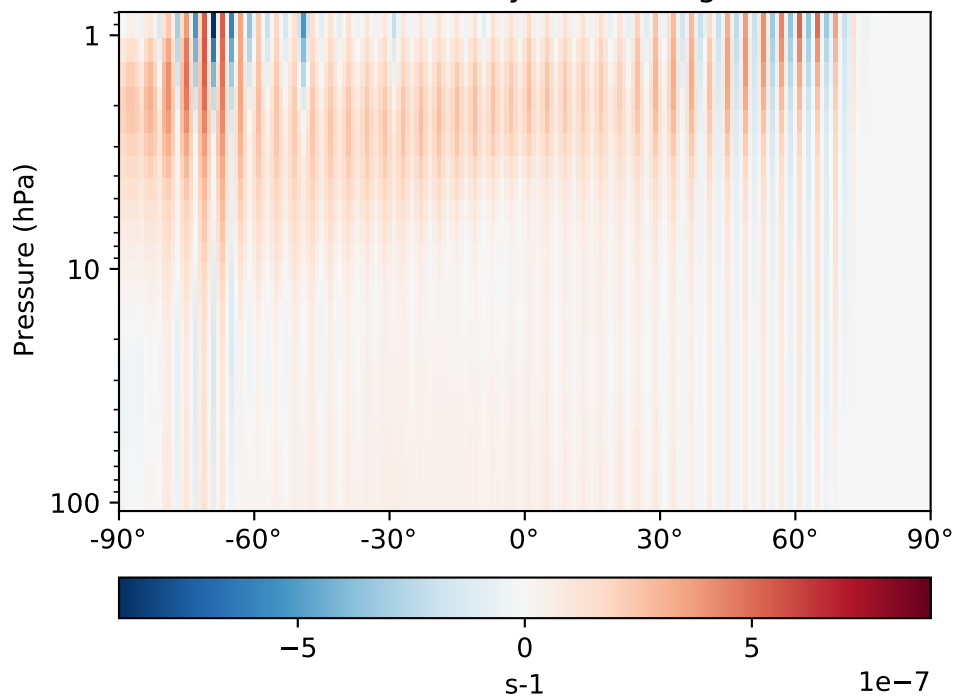
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



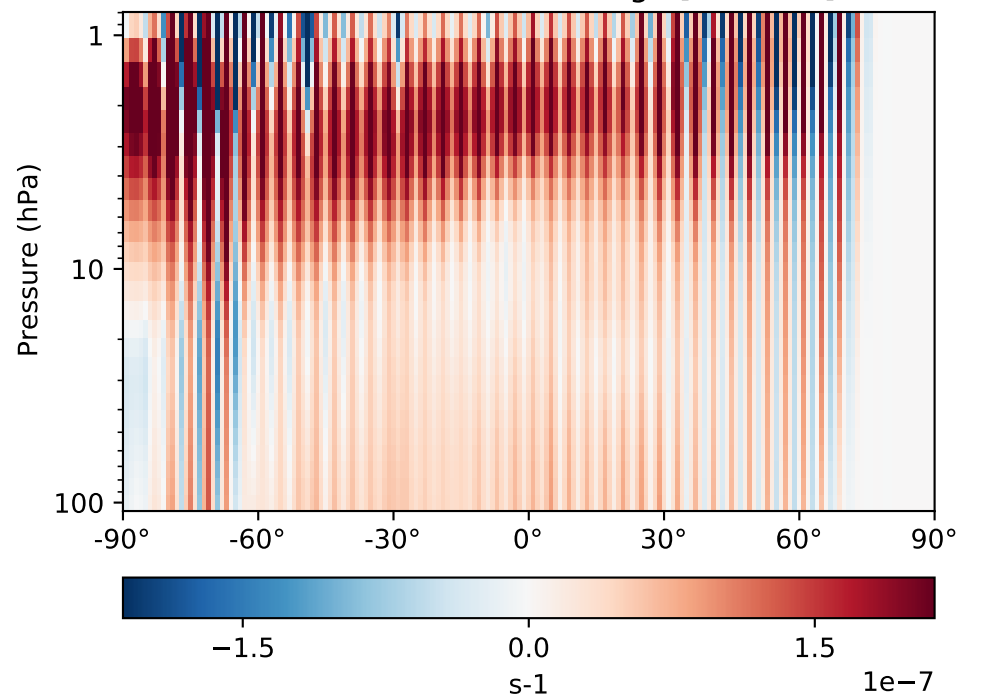
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regridged from c48



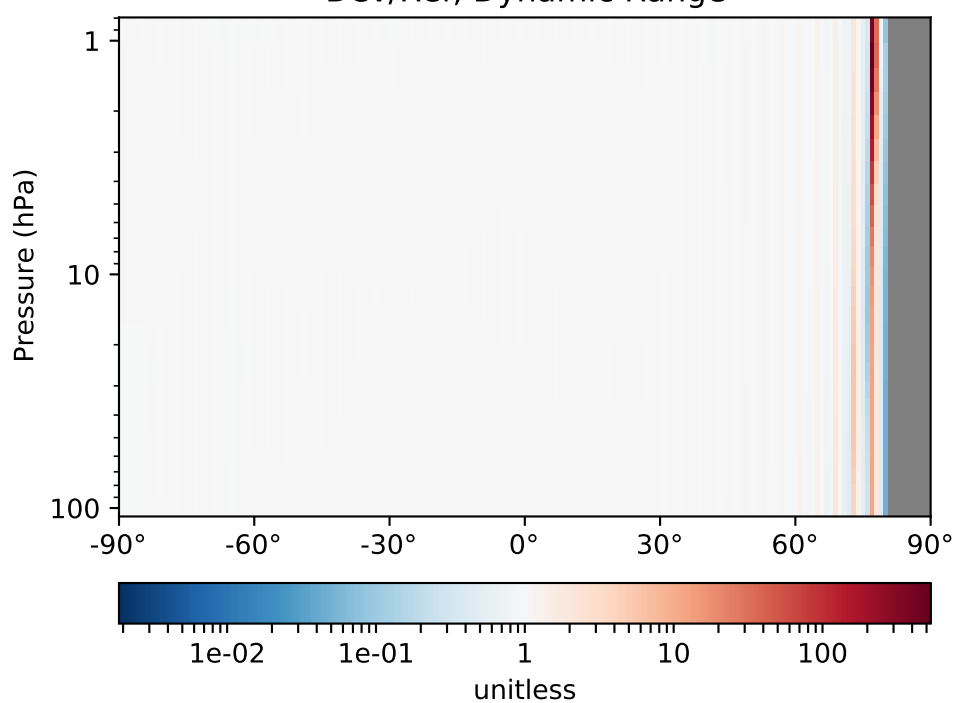
Difference (1x1.25)
Dev - Ref, Dynamic Range



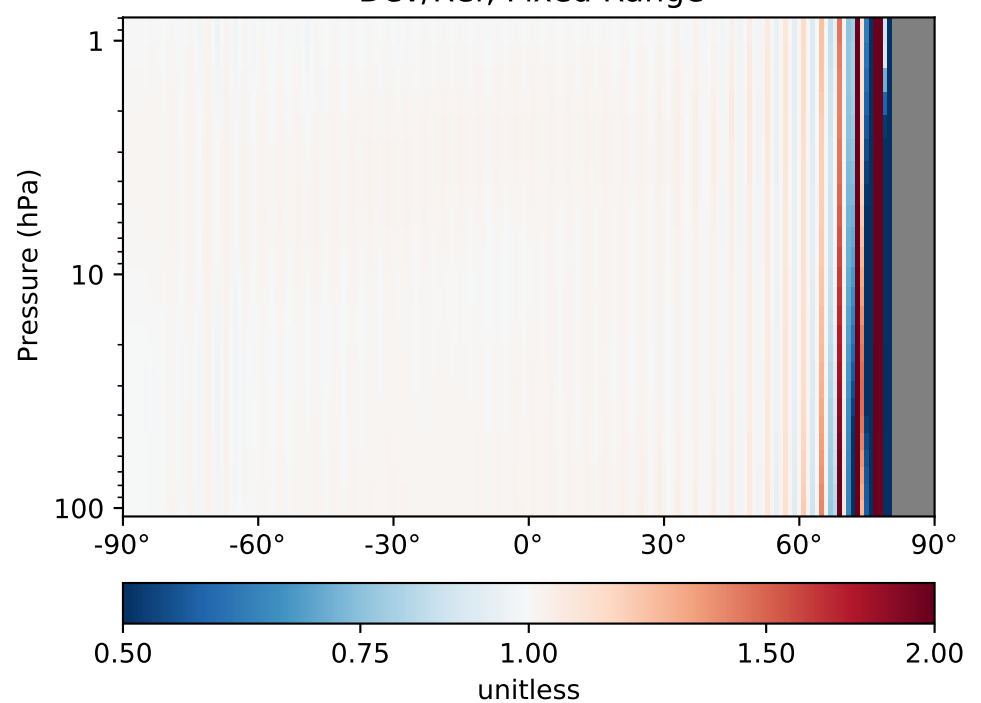
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

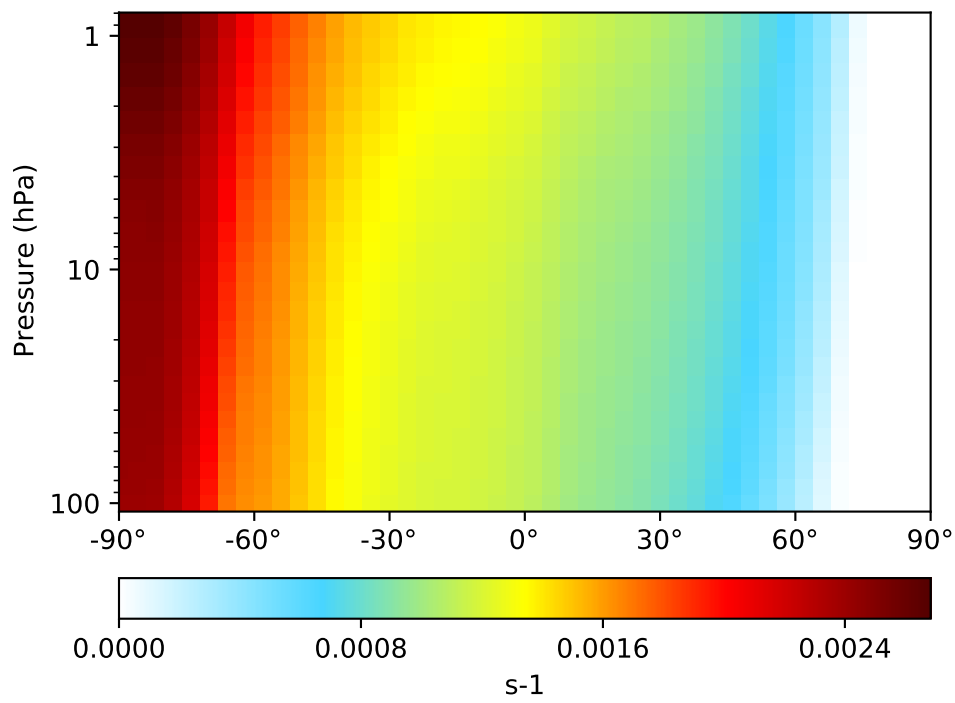


Ratio (1x1.25)
Dev/Ref, Fixed Range

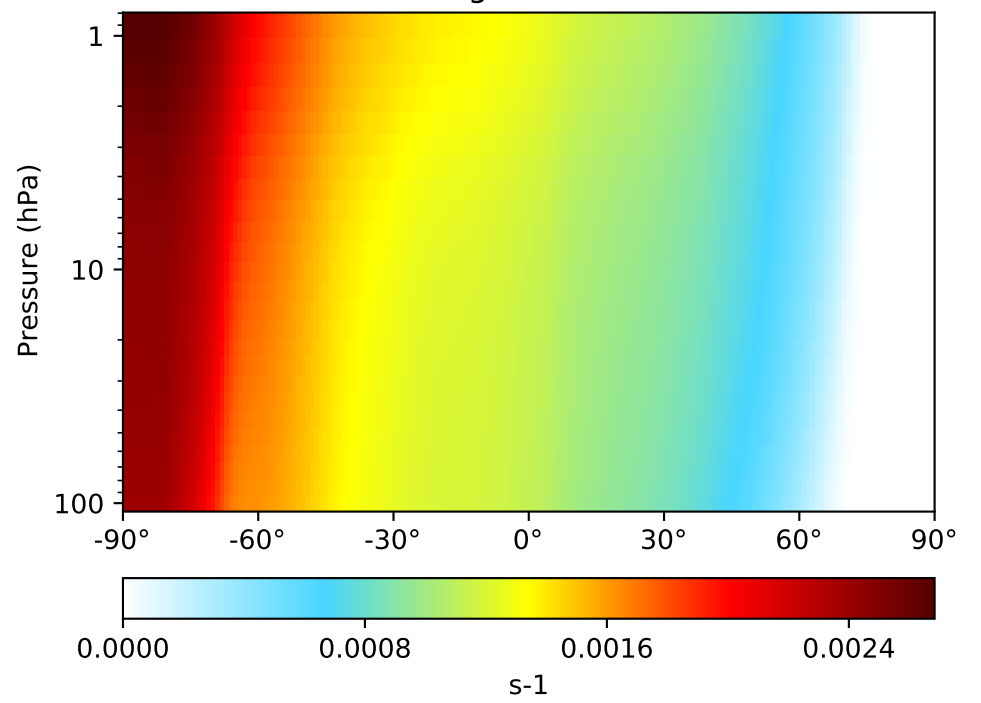


Jval_HNO2, Zonal Mean (Jan2019)

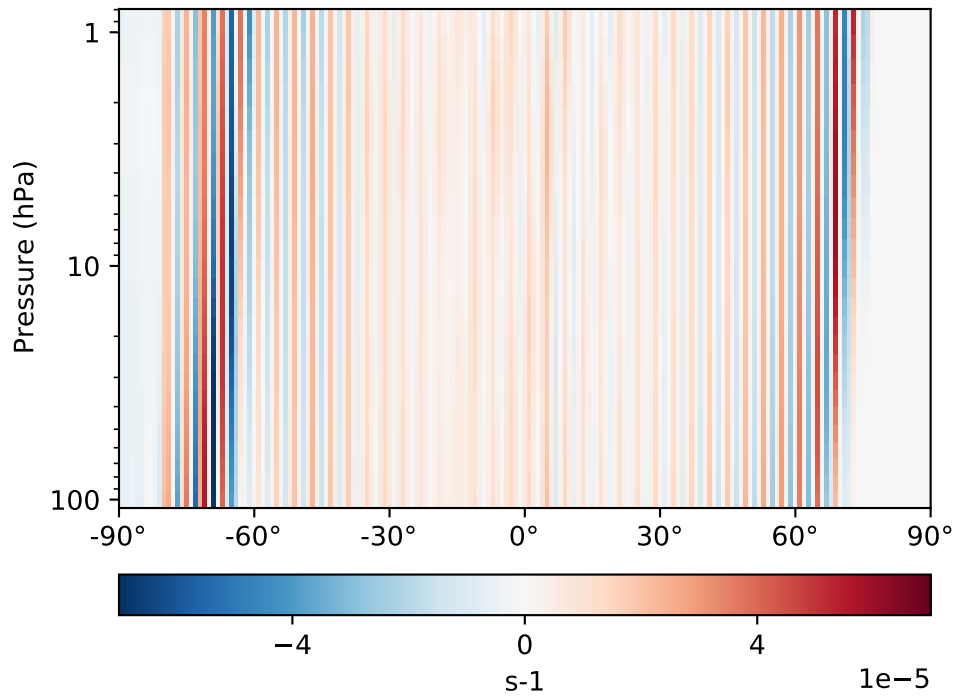
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



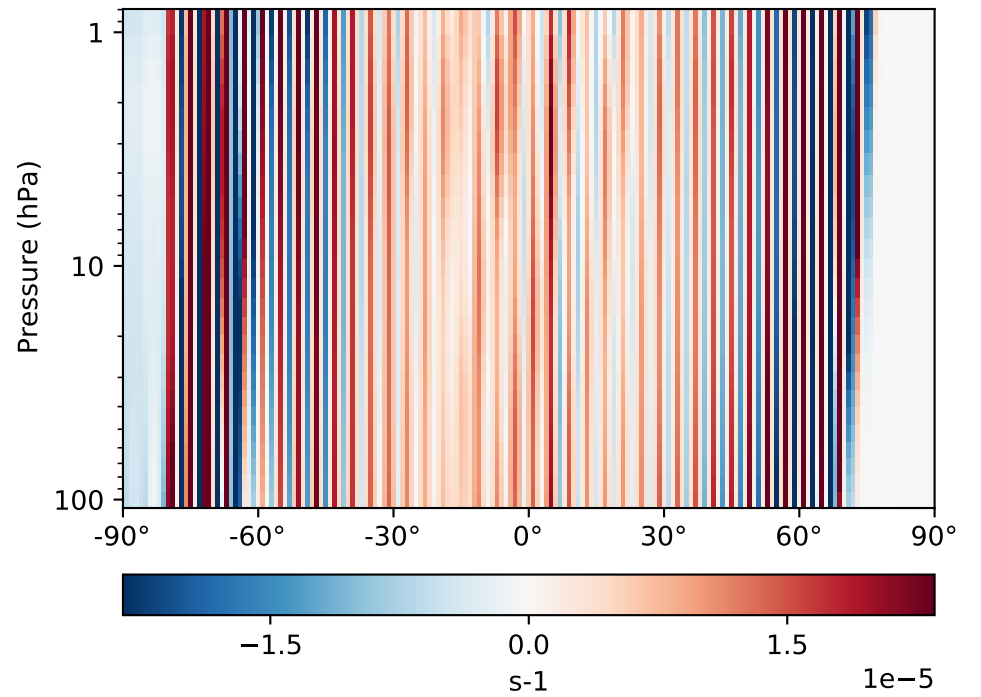
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



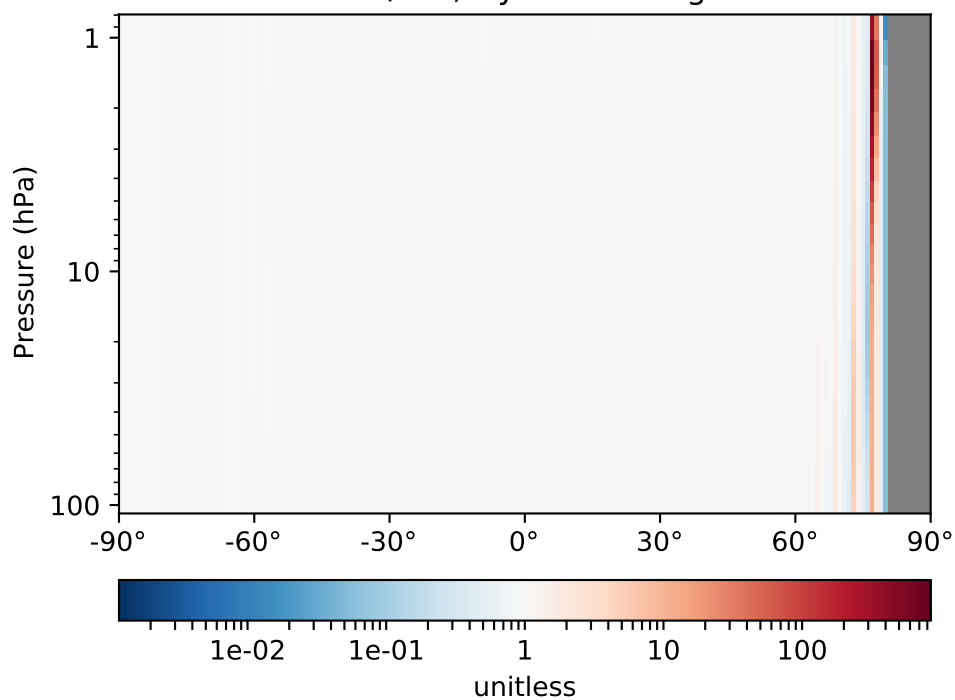
Difference (1x1.25)
Dev - Ref, Dynamic Range



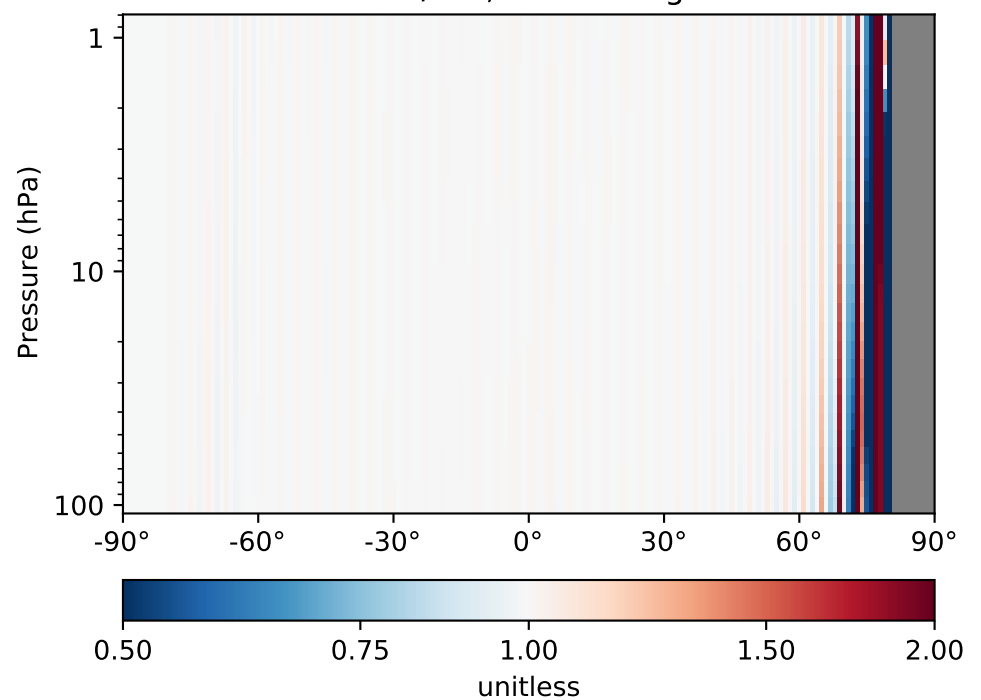
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

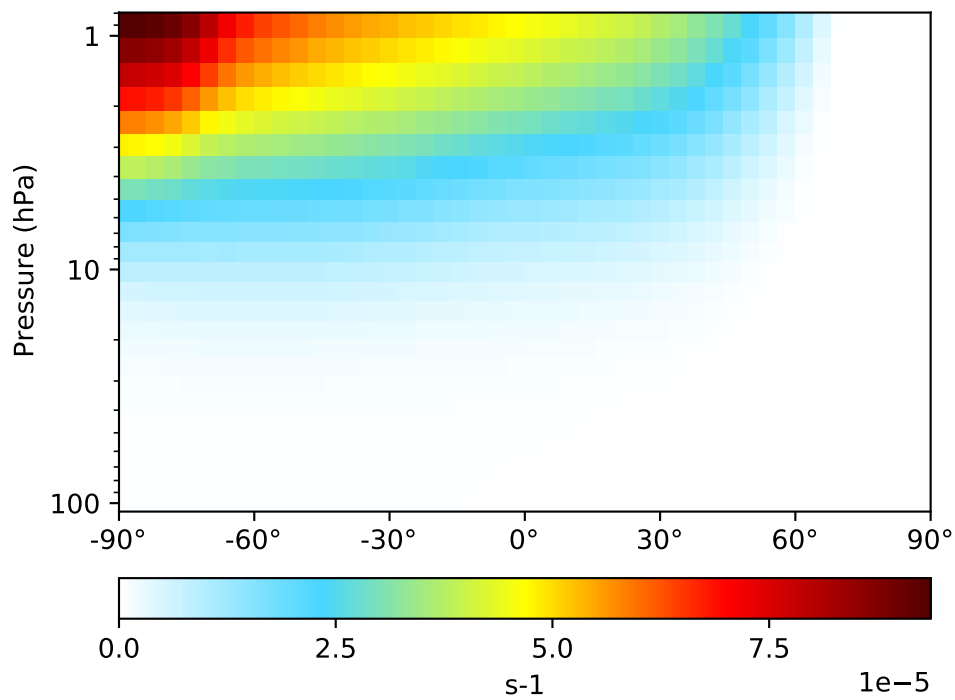


Ratio (1x1.25)
Dev/Ref, Fixed Range

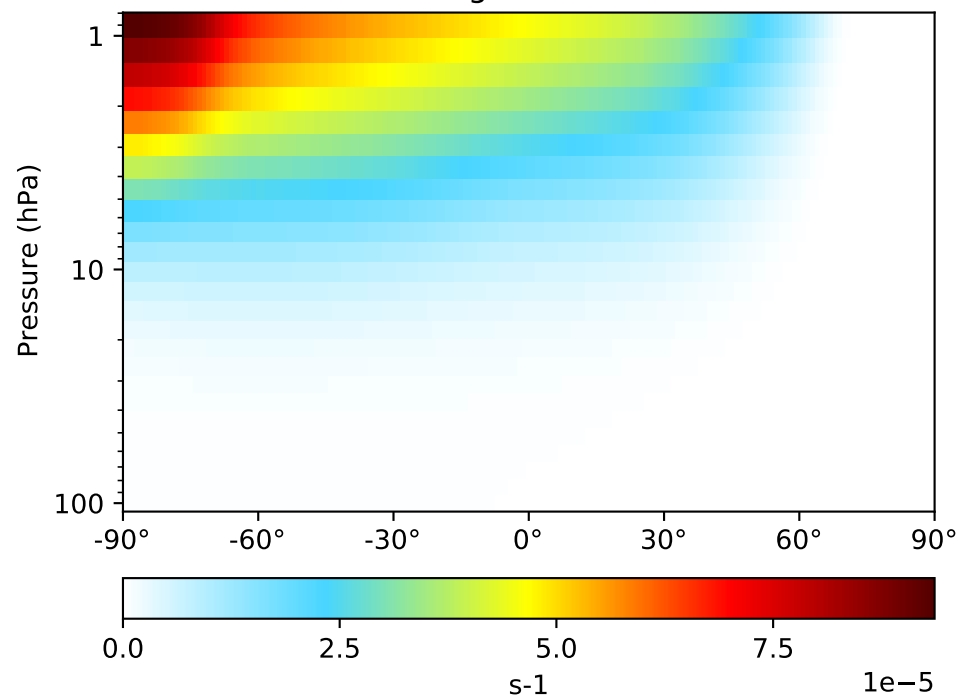


Jval_HNO3, Zonal Mean (Jan2019)

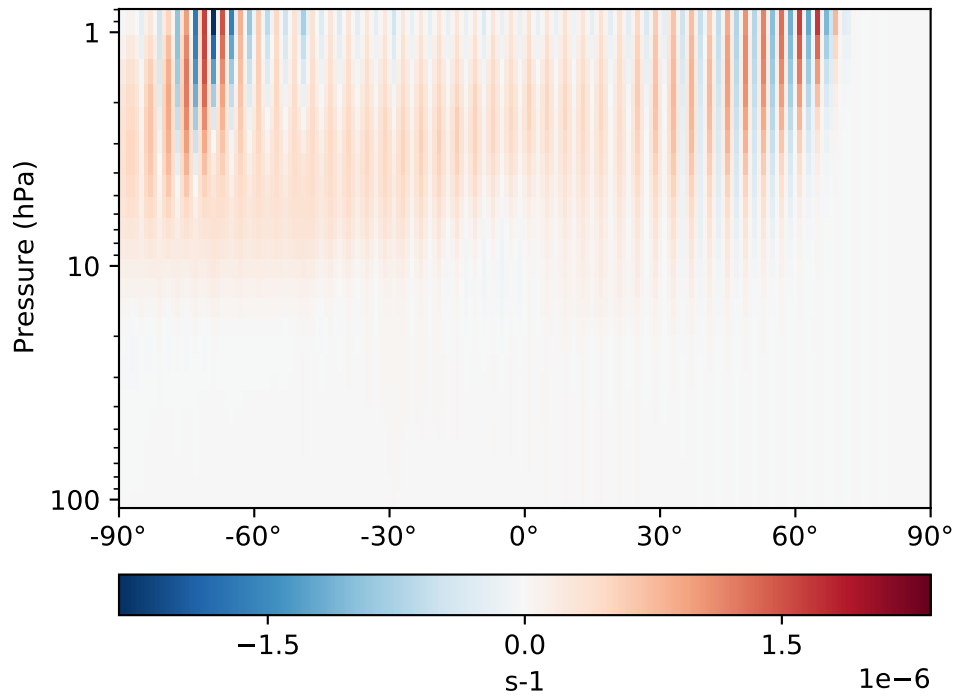
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



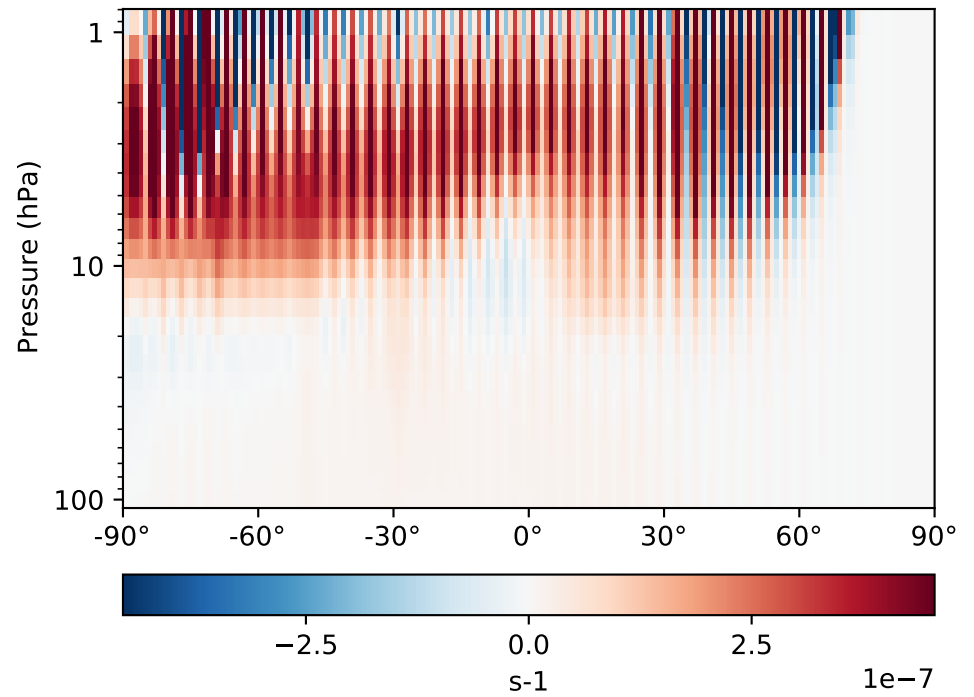
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



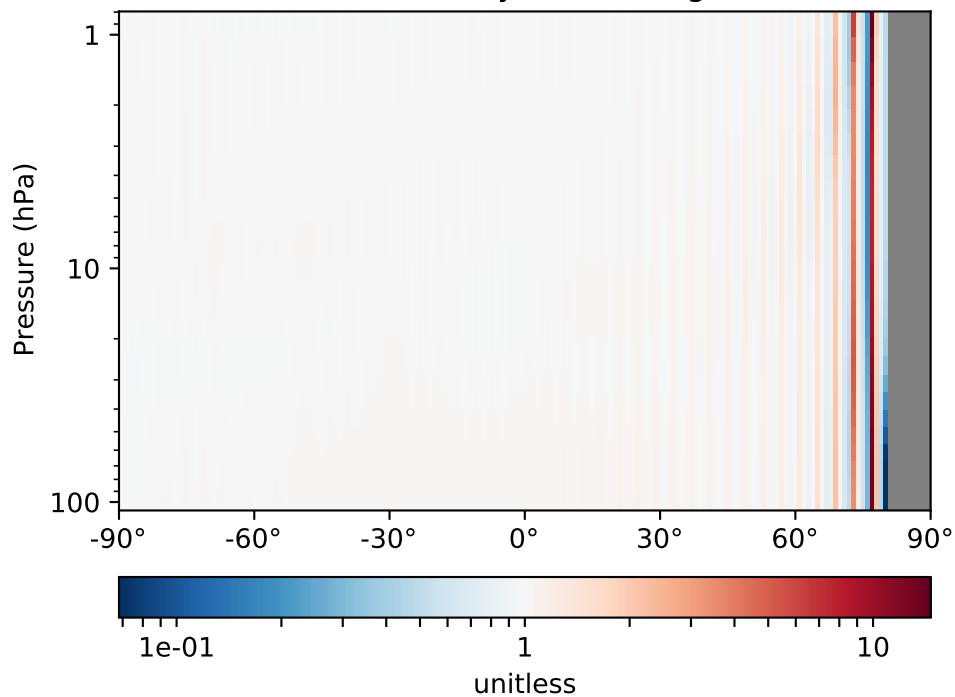
Difference (1x1.25)
Dev - Ref, Dynamic Range



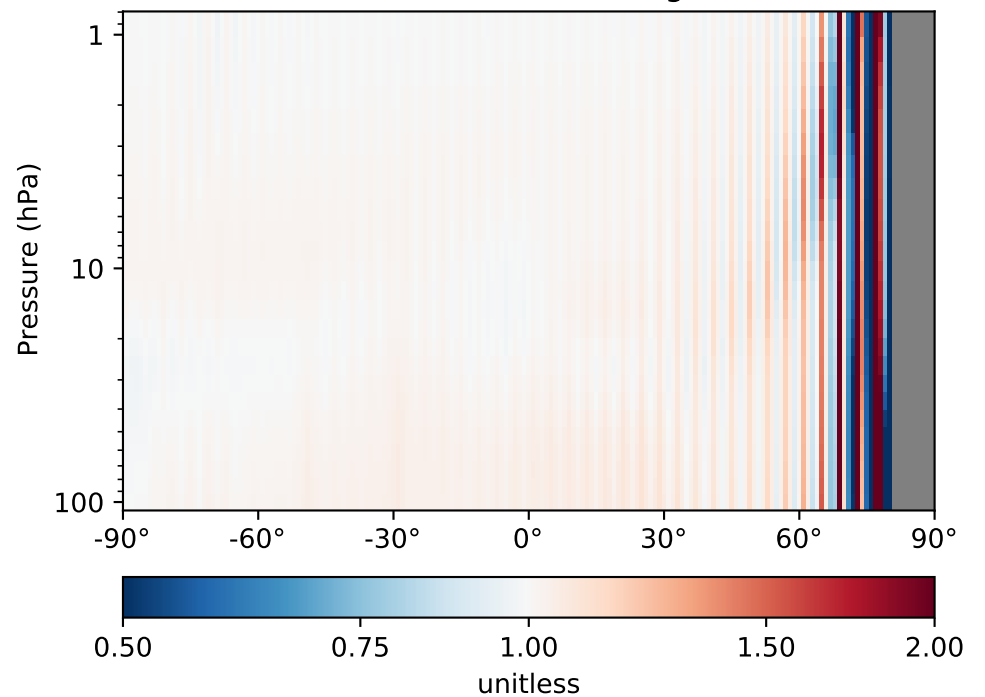
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

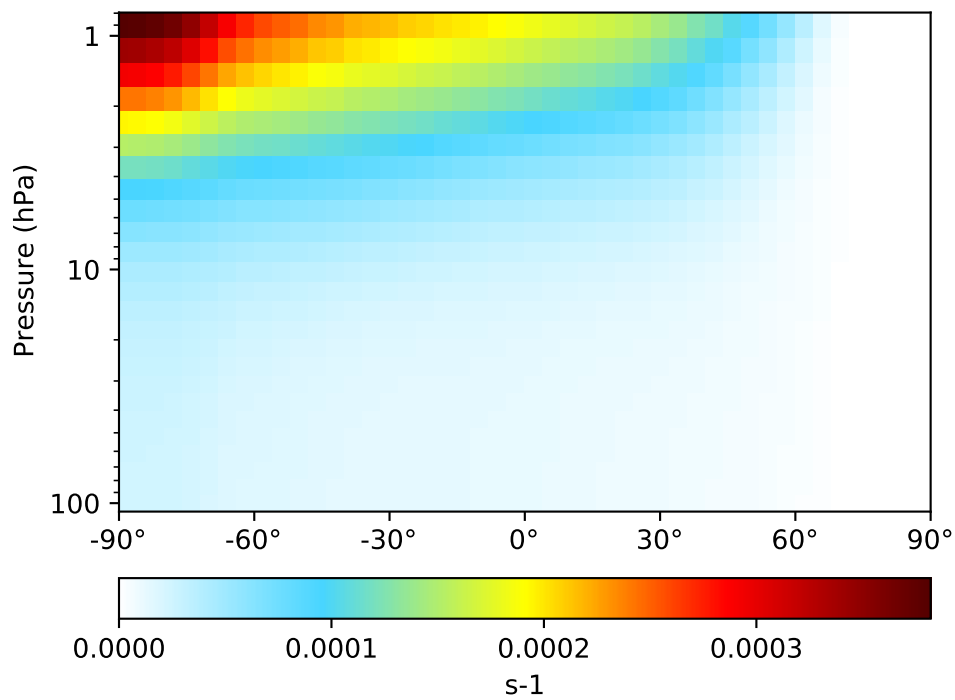


Ratio (1x1.25)
Dev/Ref, Fixed Range

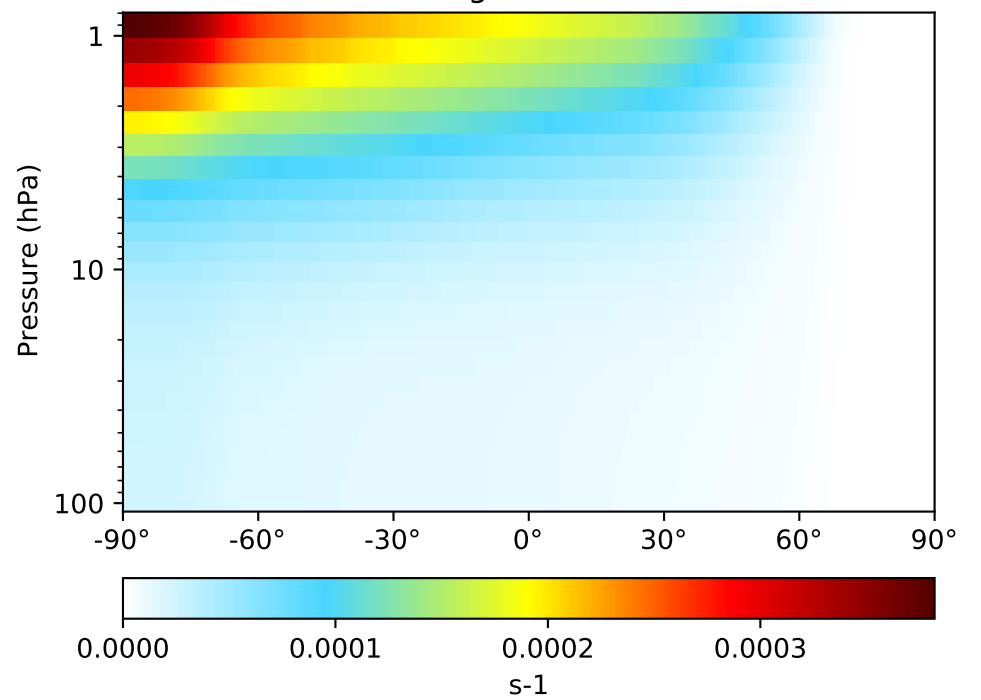


Jval_HNO4, Zonal Mean (Jan2019)

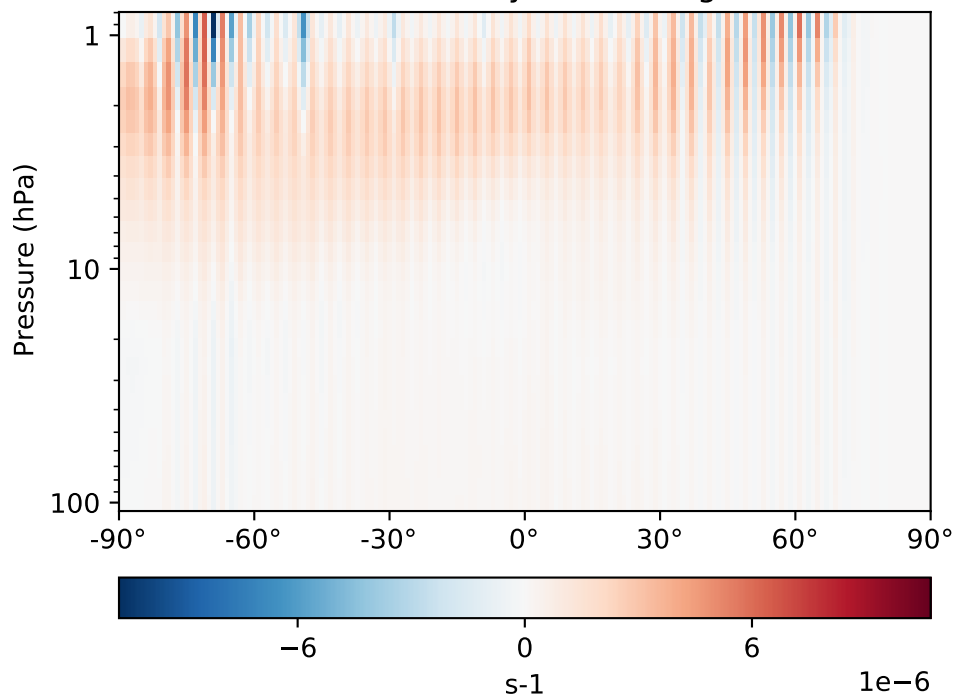
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



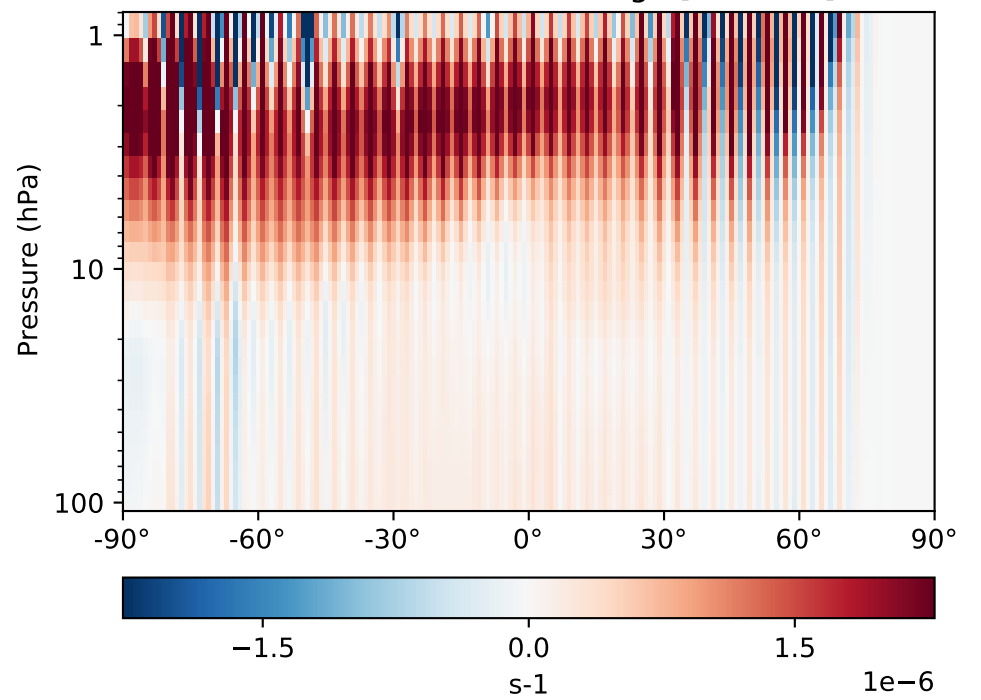
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



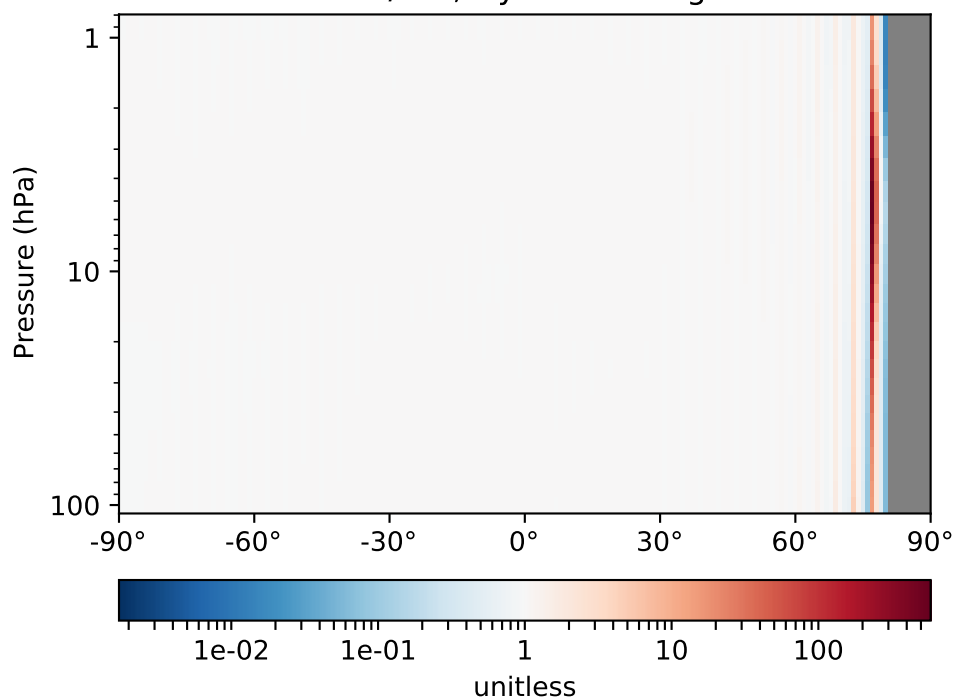
Difference (1x1.25)
Dev - Ref, Dynamic Range



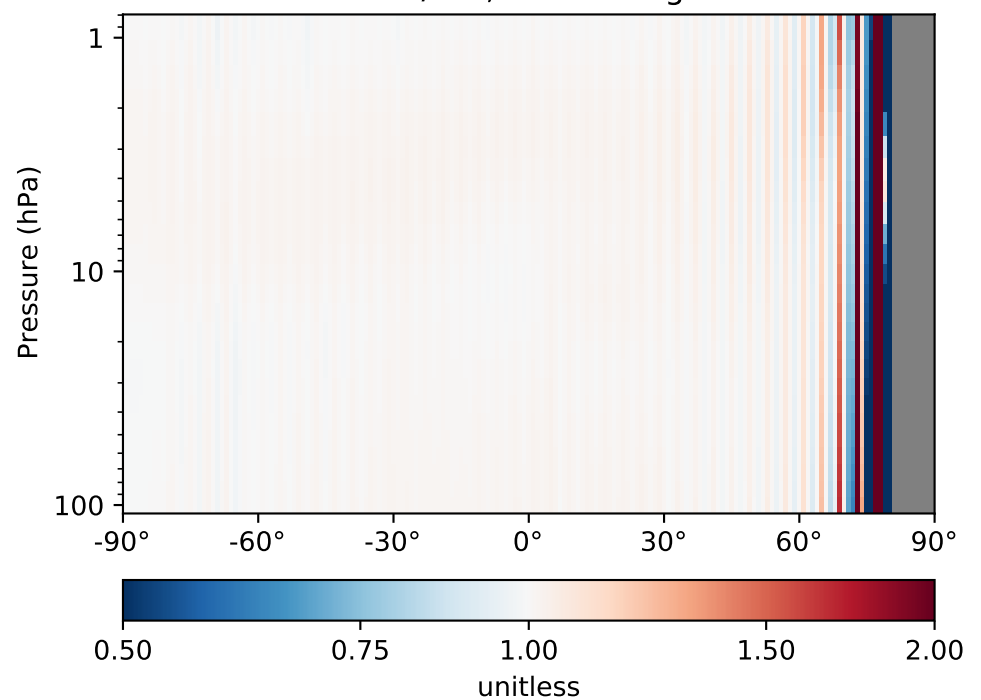
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

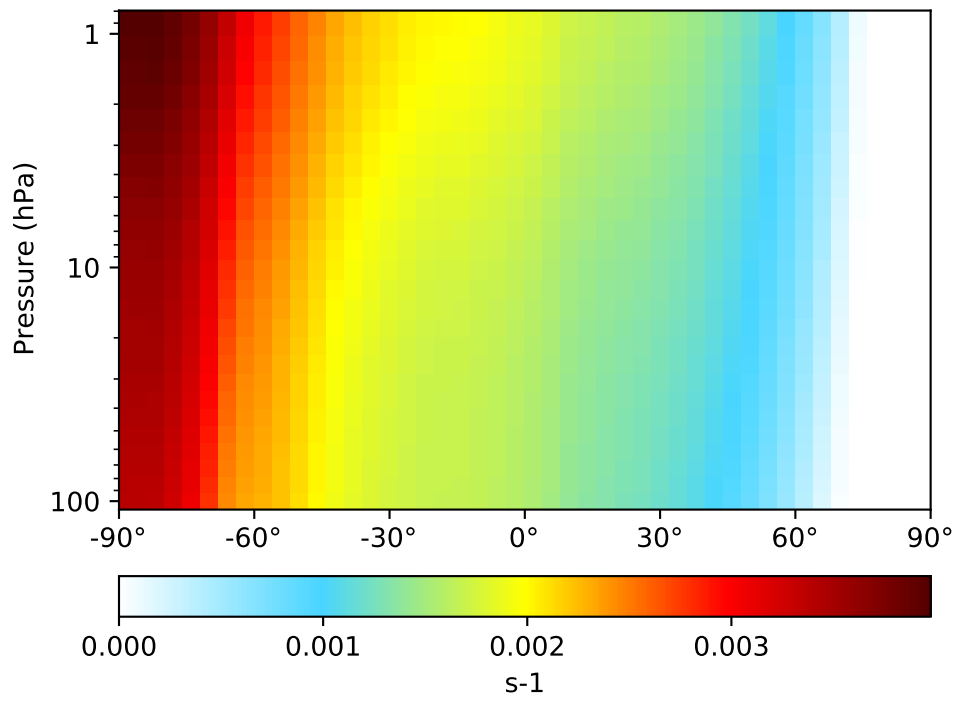


Ratio (1x1.25)
Dev/Ref, Fixed Range

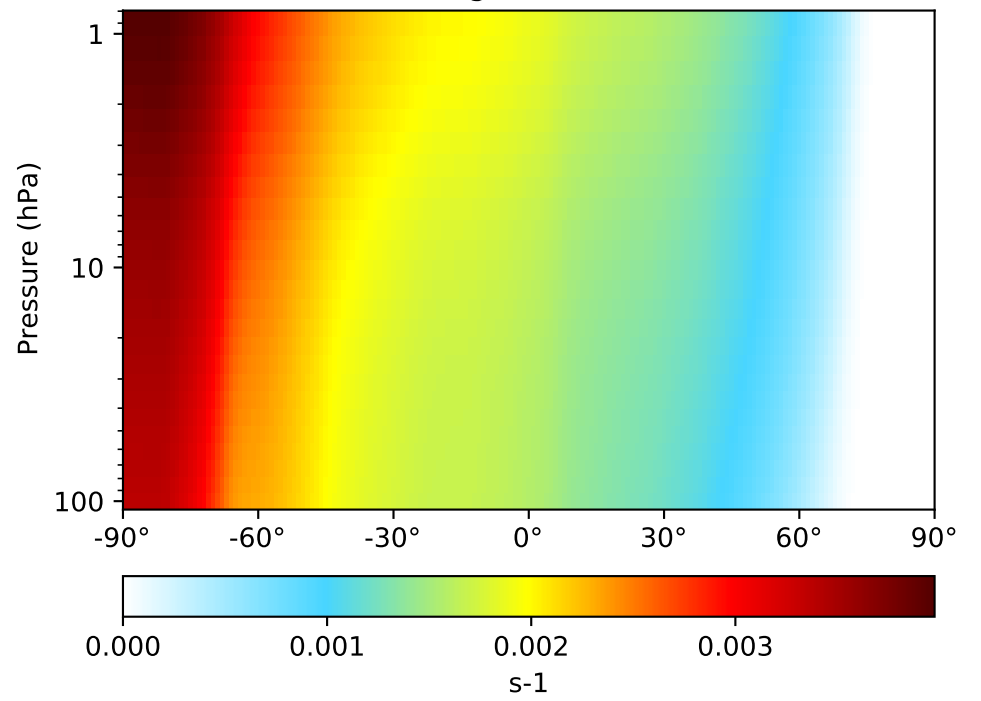


Jval_HOBr, Zonal Mean (Jan2019)

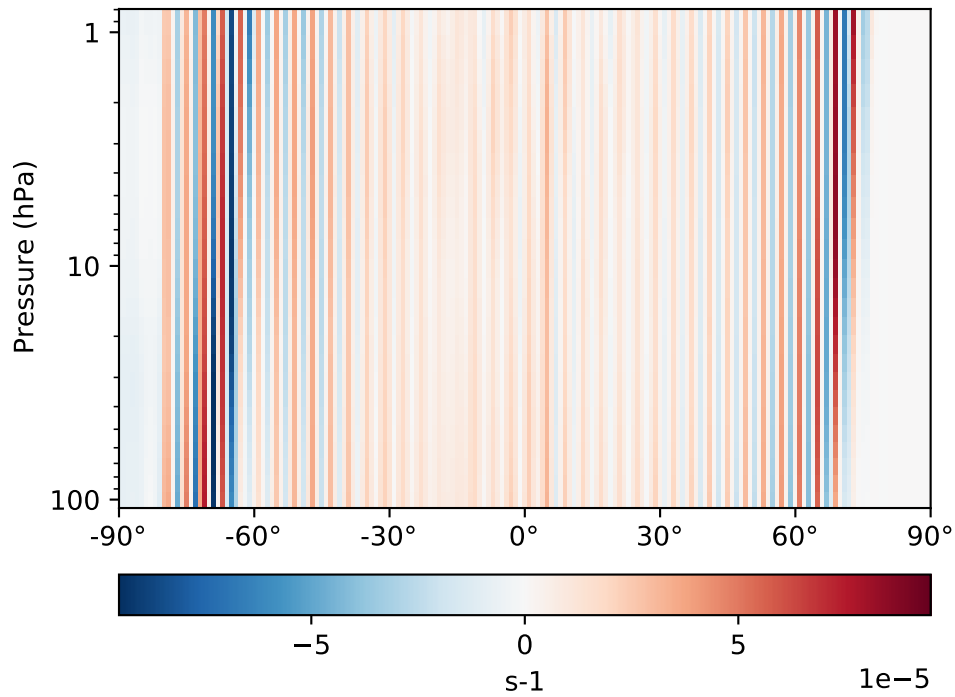
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



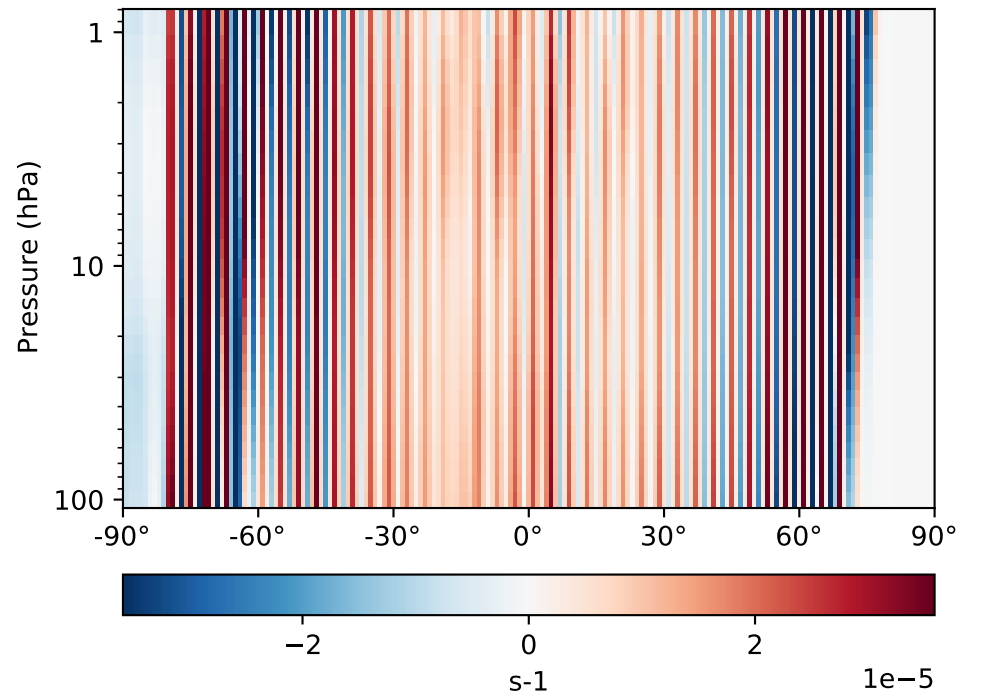
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



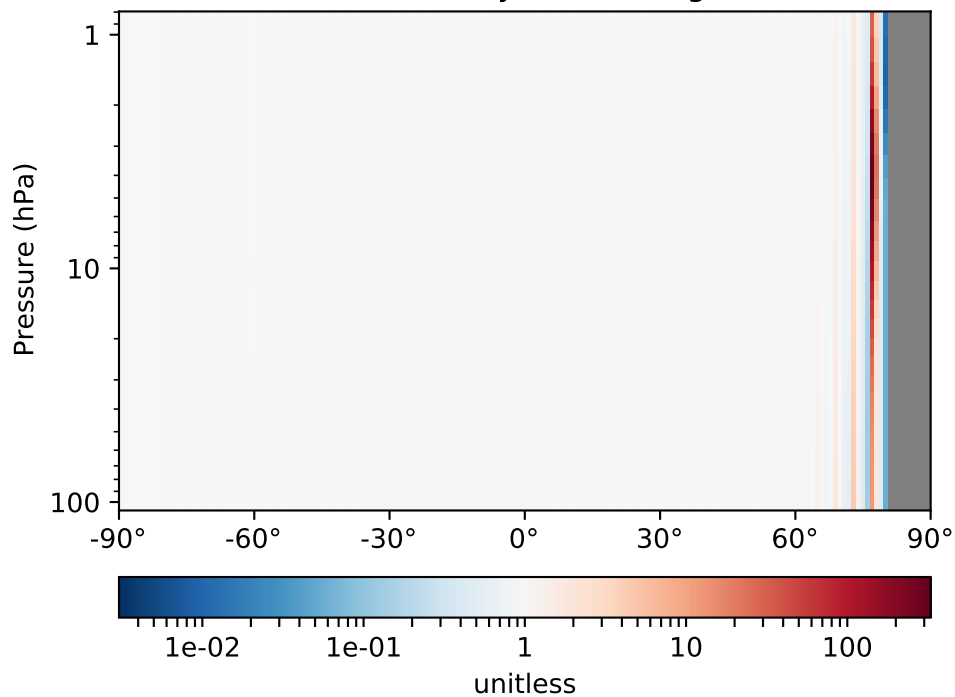
Difference (1x1.25)
Dev - Ref, Dynamic Range



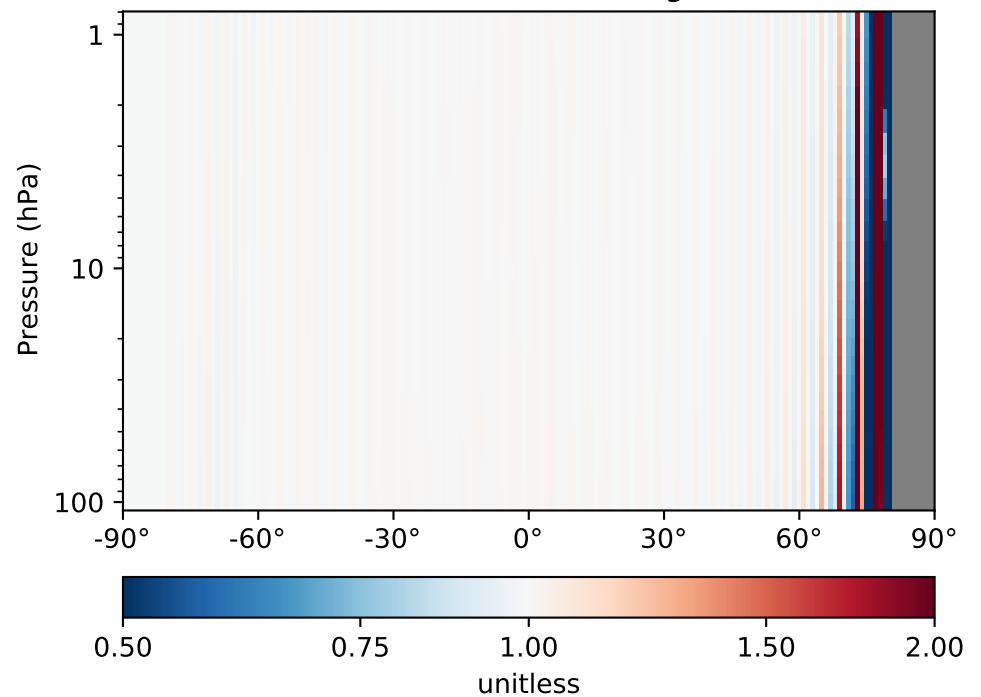
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

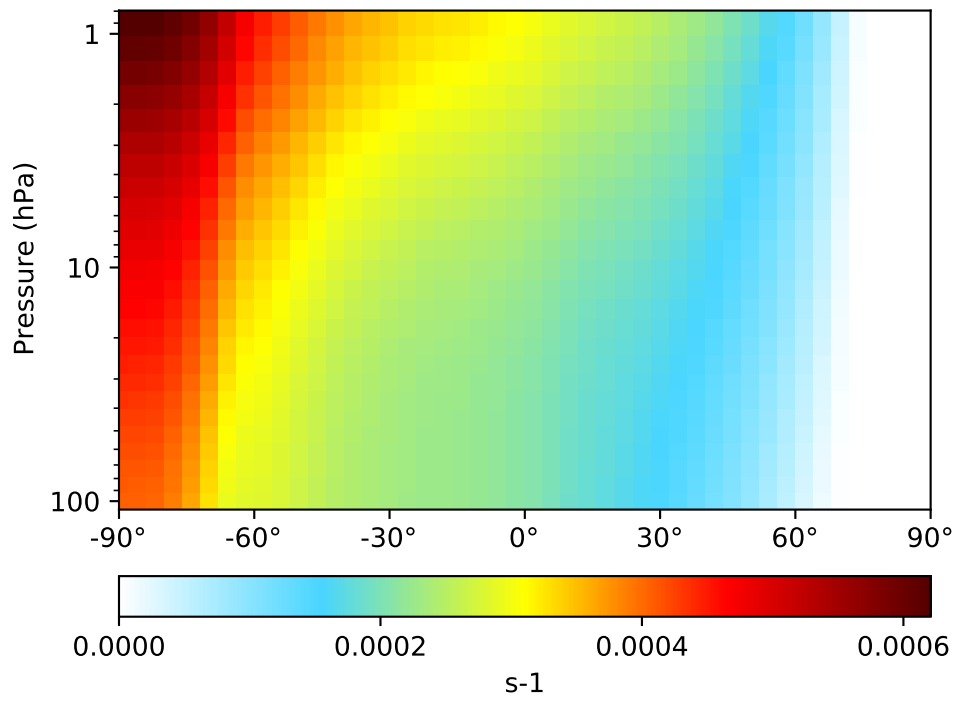


Ratio (1x1.25)
Dev/Ref, Fixed Range

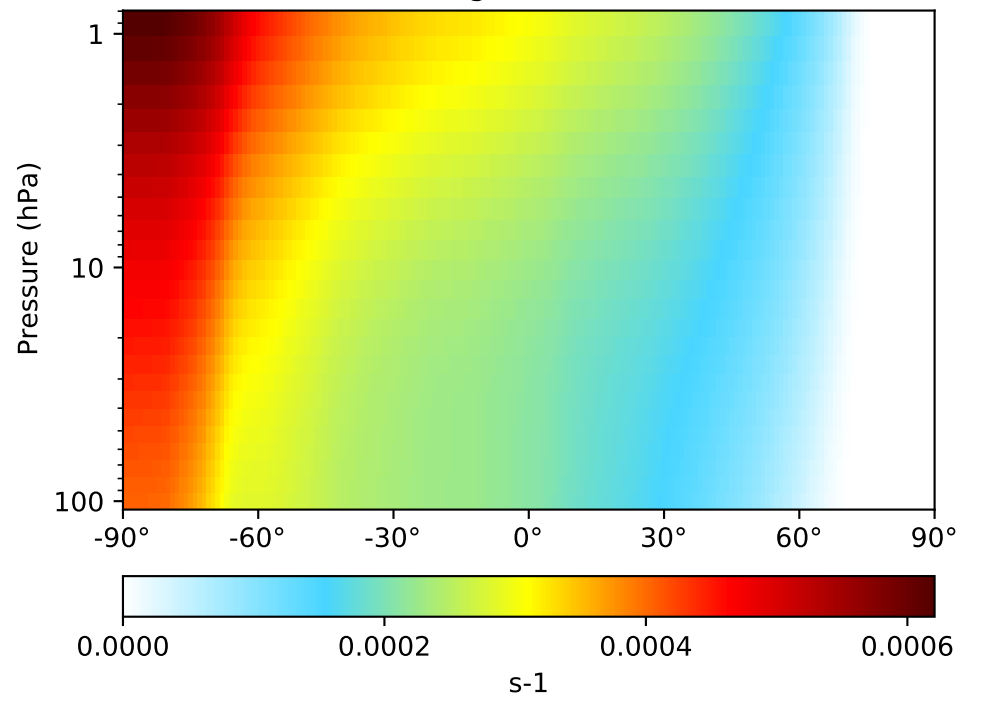


Jval_HOCl, Zonal Mean (Jan2019)

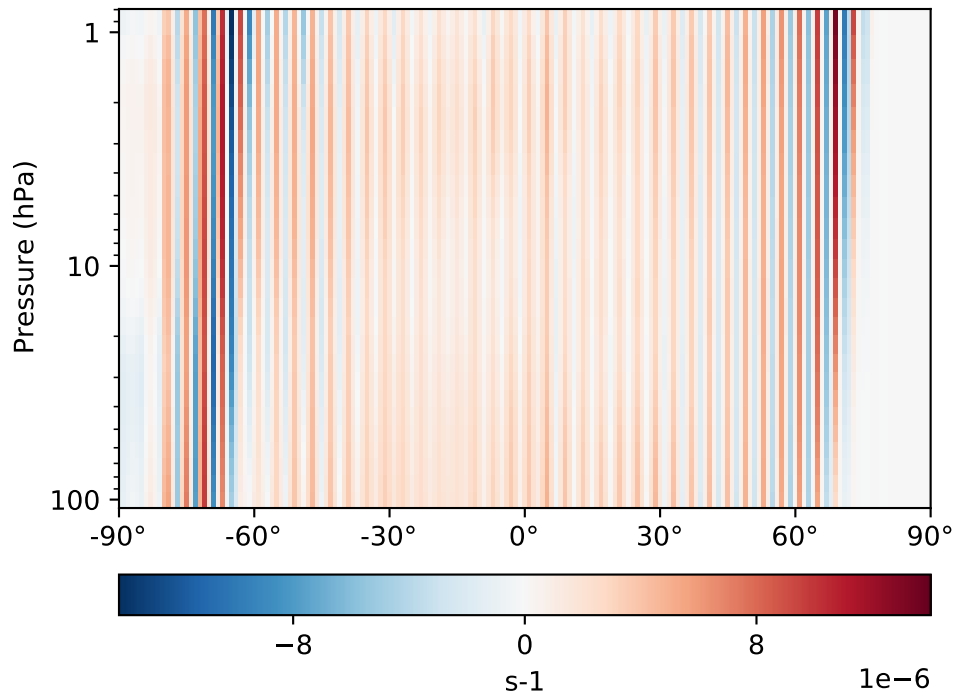
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



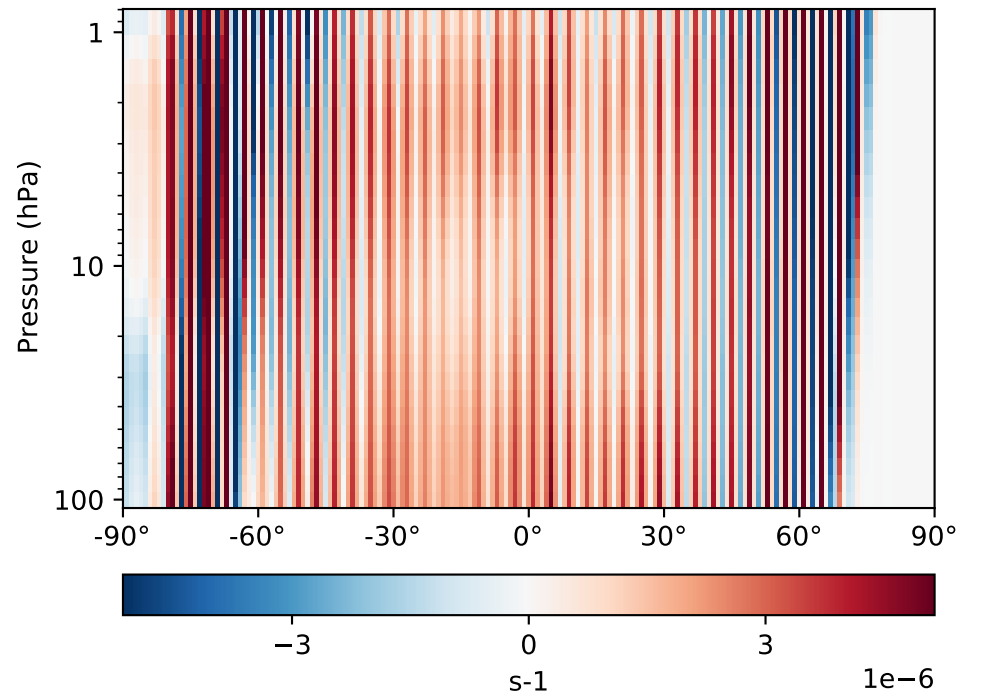
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



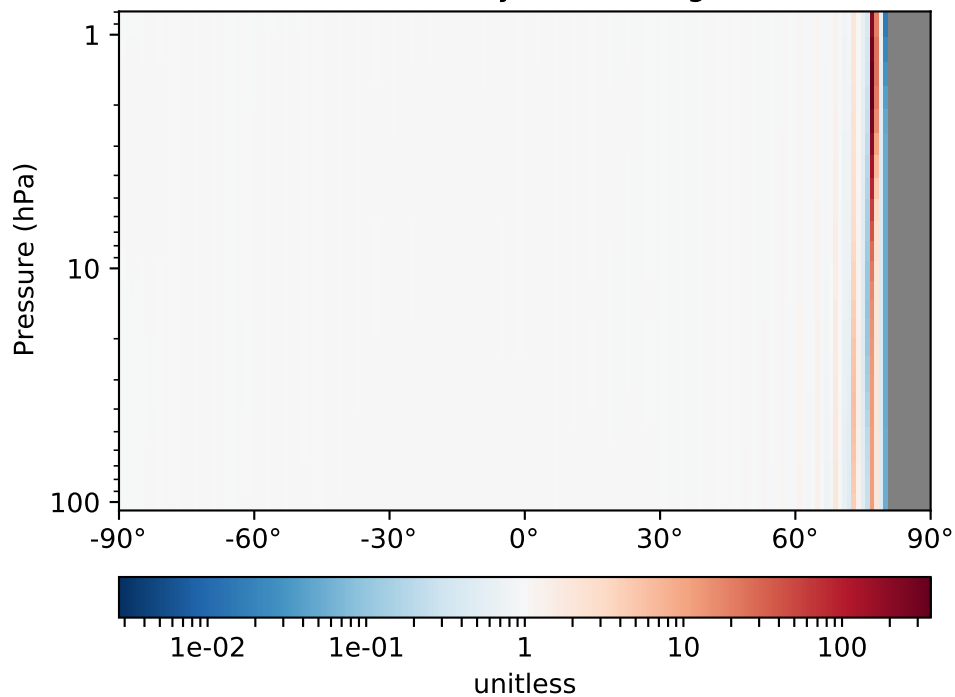
Difference (1x1.25)
Dev - Ref, Dynamic Range



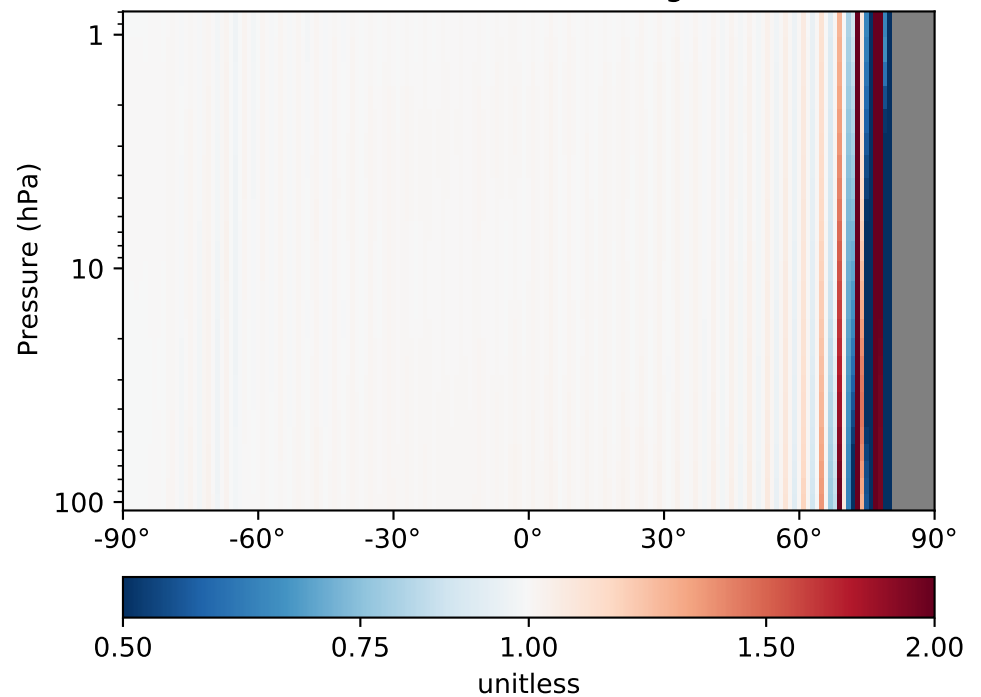
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

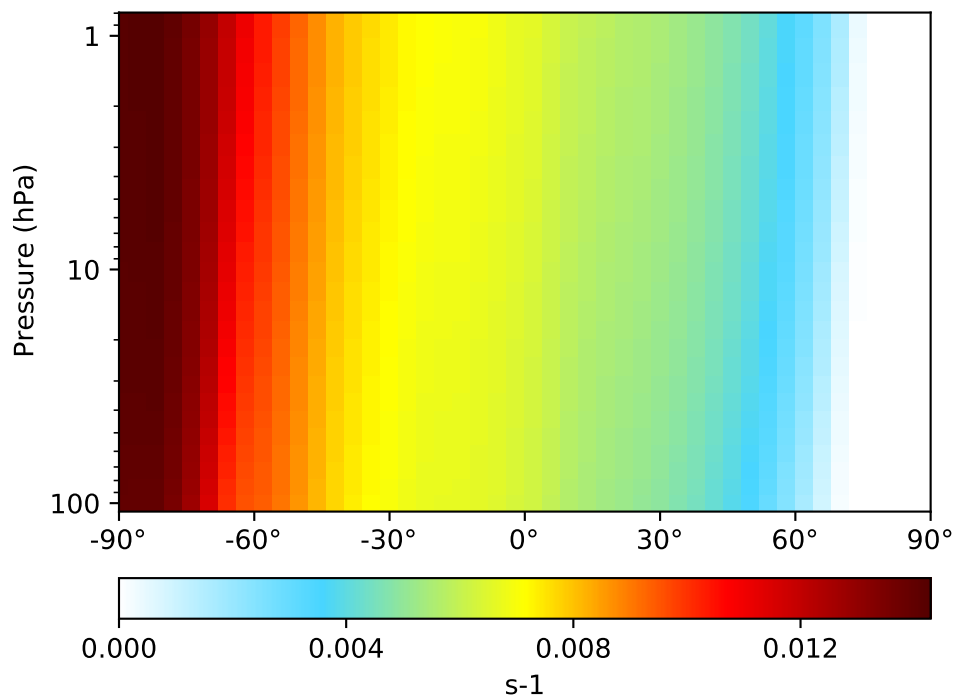


Ratio (1x1.25)
Dev/Ref, Fixed Range

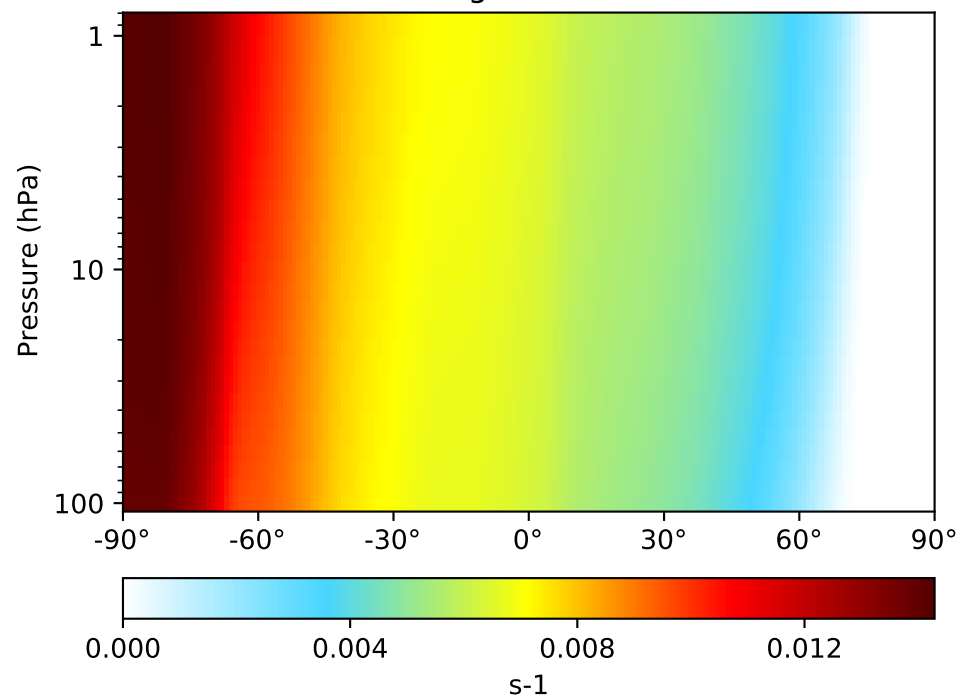


Jval_HOI, Zonal Mean (Jan2019)

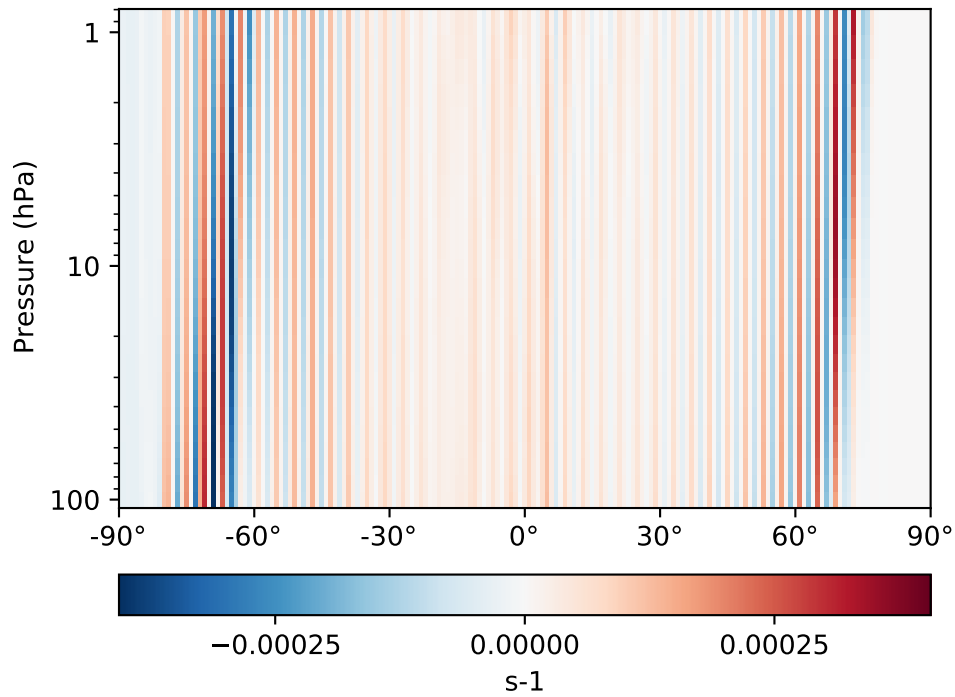
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



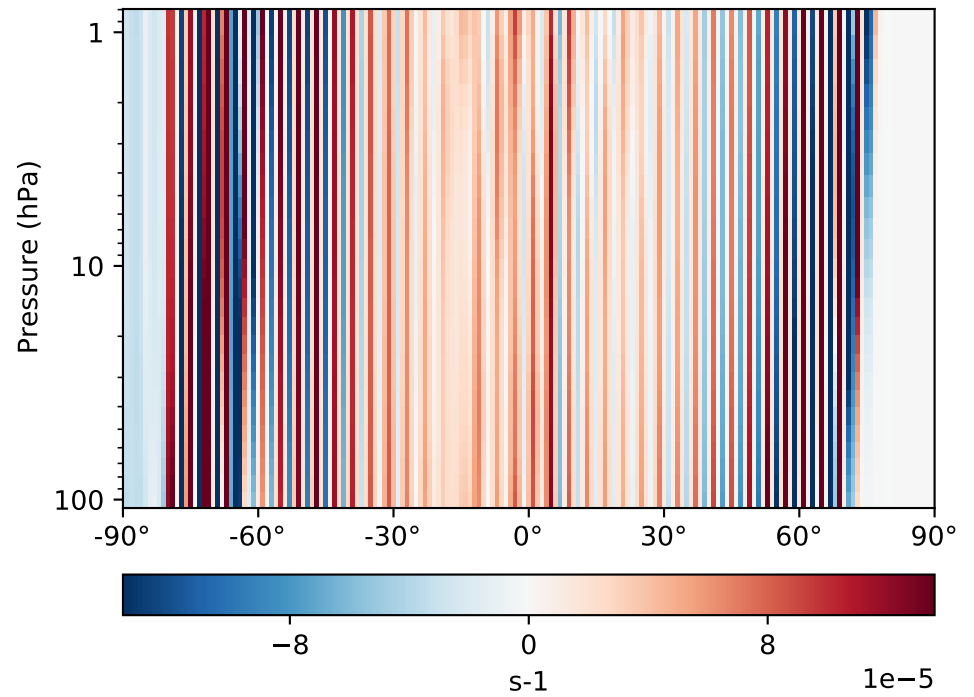
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regridged from c48



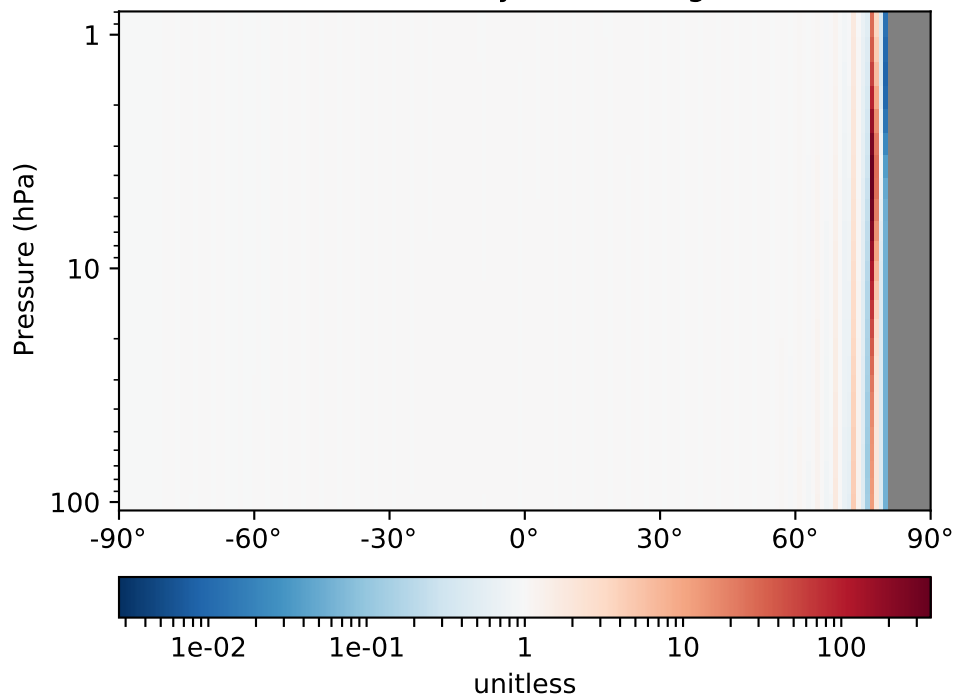
Difference (1x1.25)
Dev - Ref, Dynamic Range



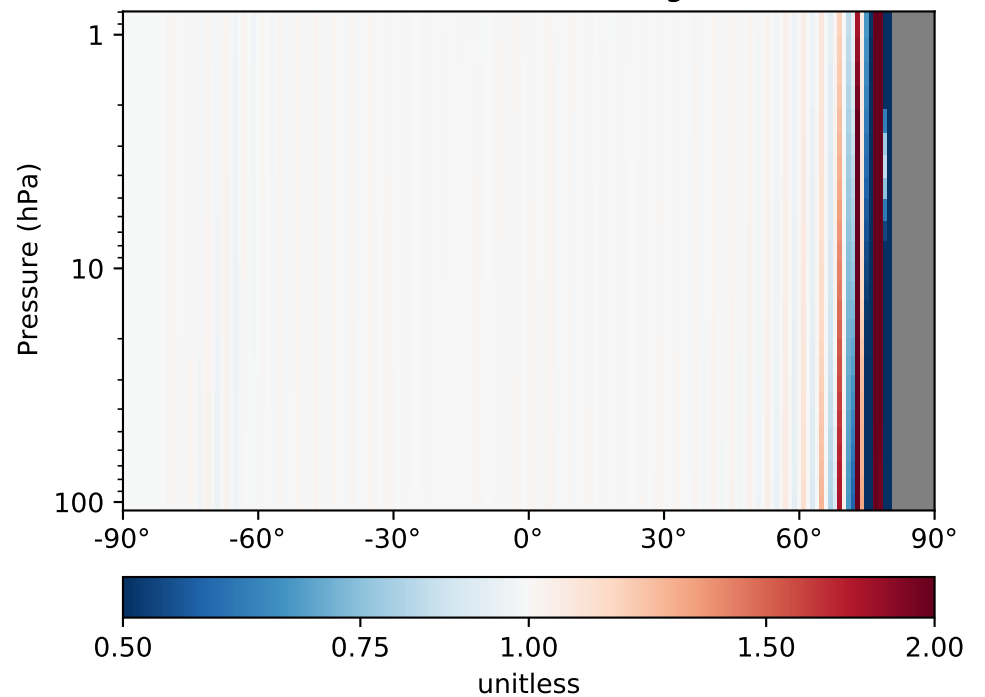
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

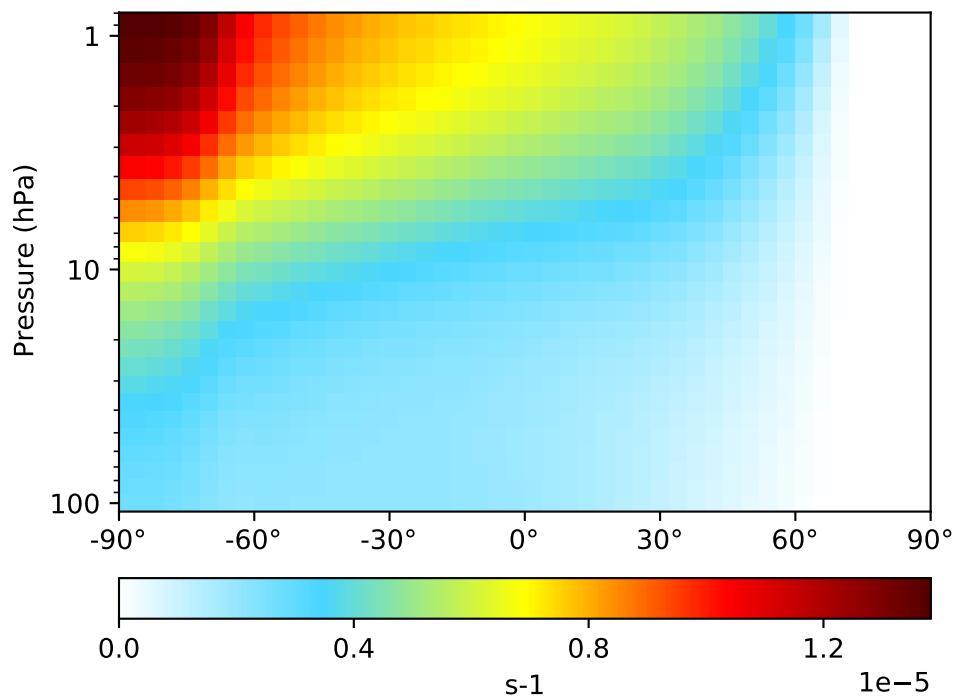


Ratio (1x1.25)
Dev/Ref, Fixed Range

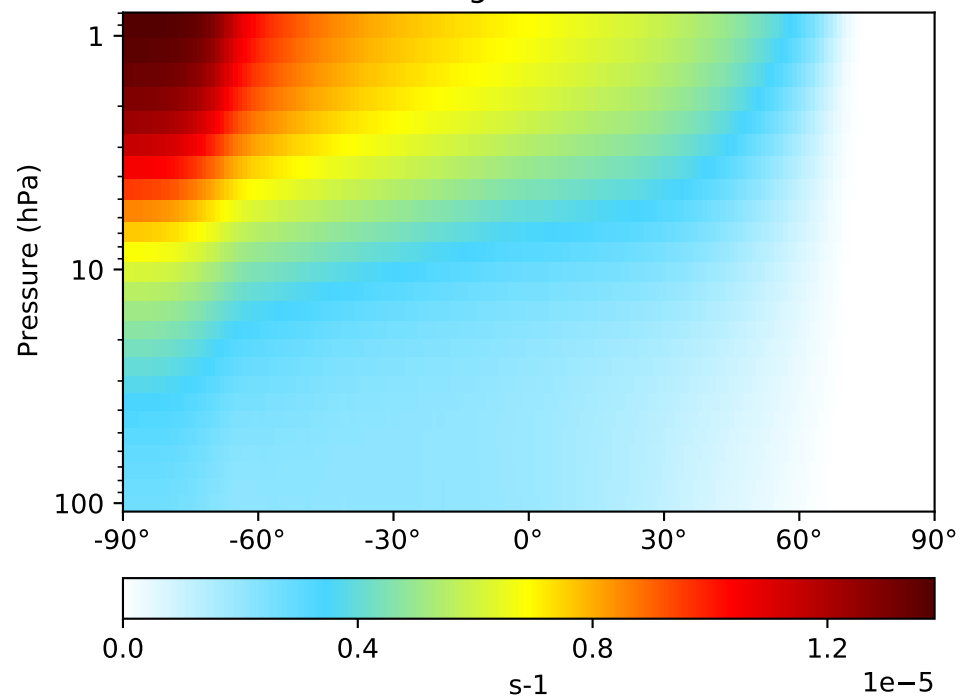


Jval_HONIT, Zonal Mean (Jan2019)

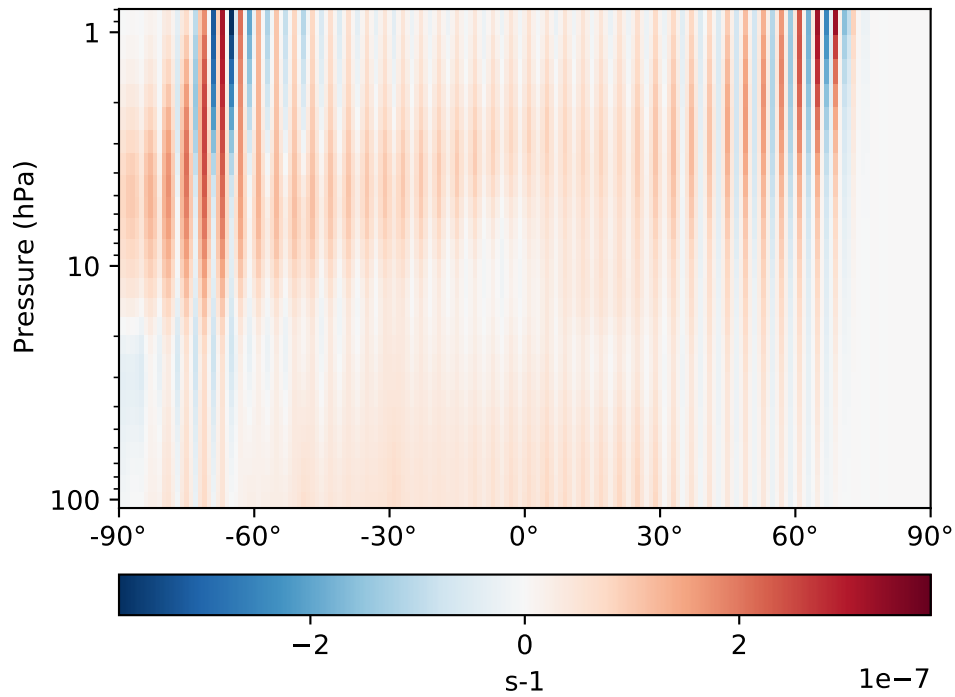
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



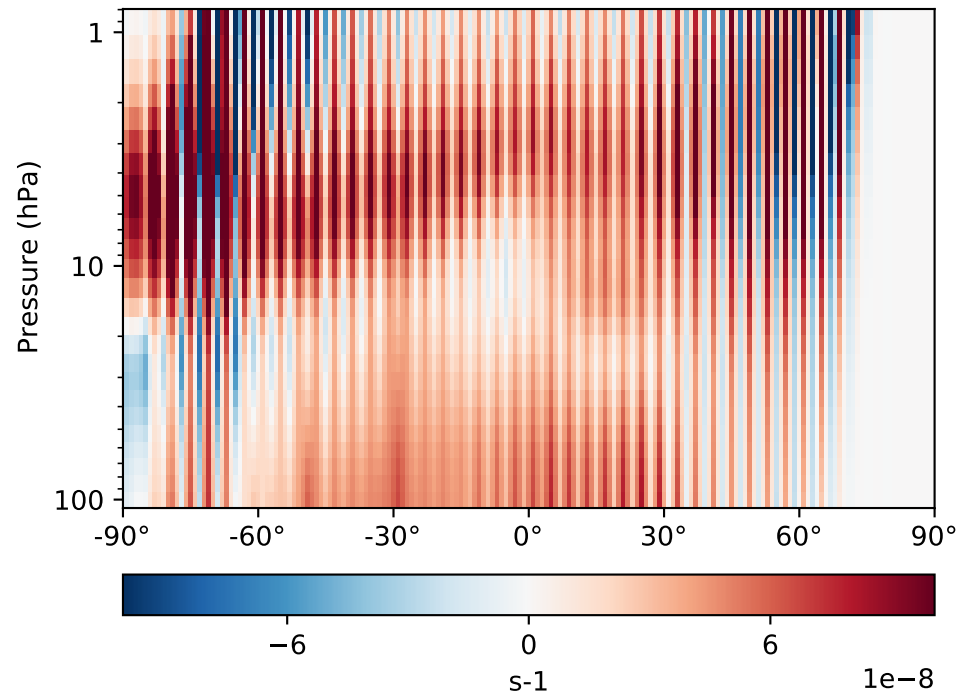
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



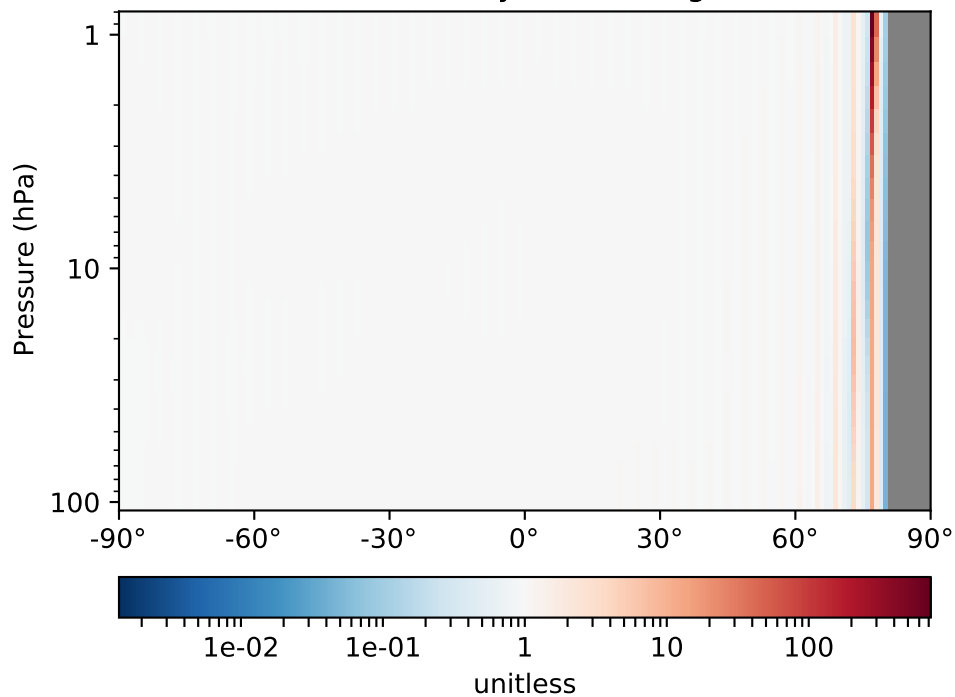
Difference (1x1.25)
Dev - Ref, Dynamic Range



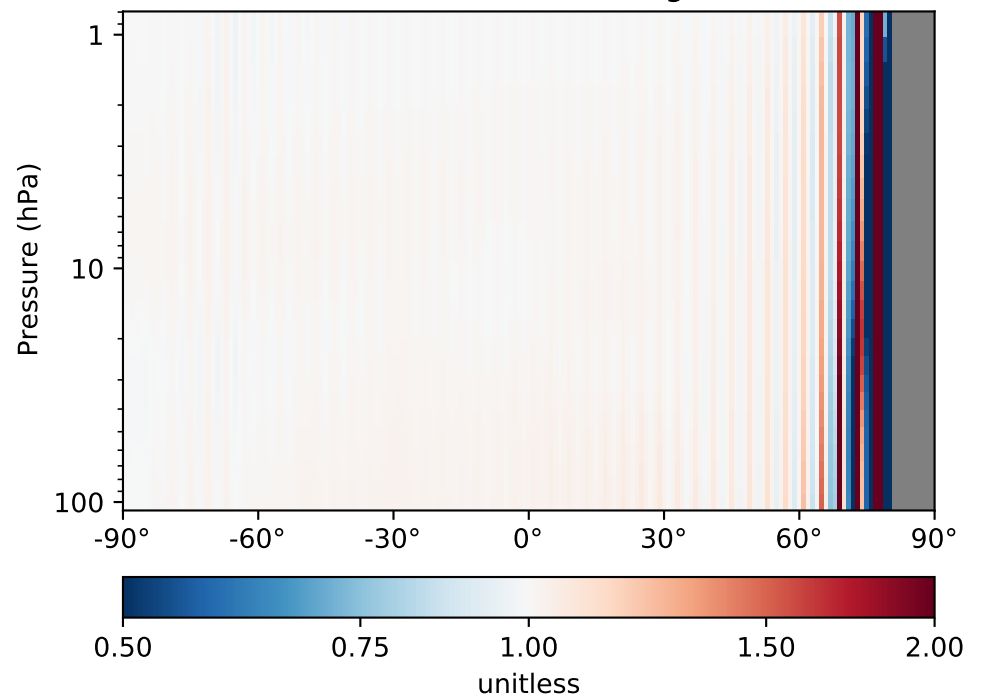
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

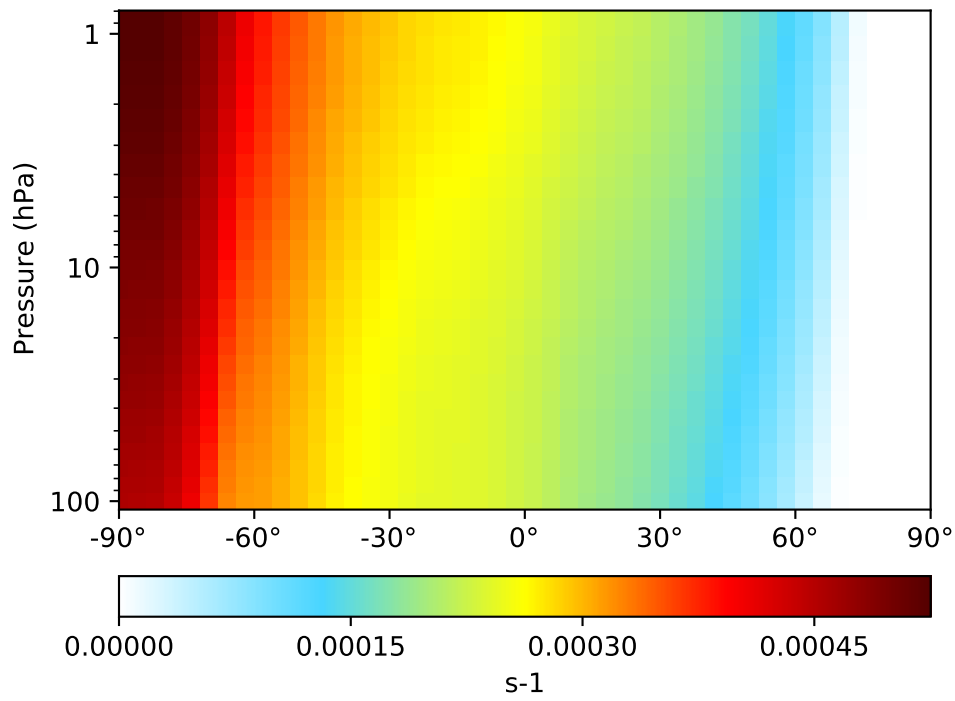


Ratio (1x1.25)
Dev/Ref, Fixed Range

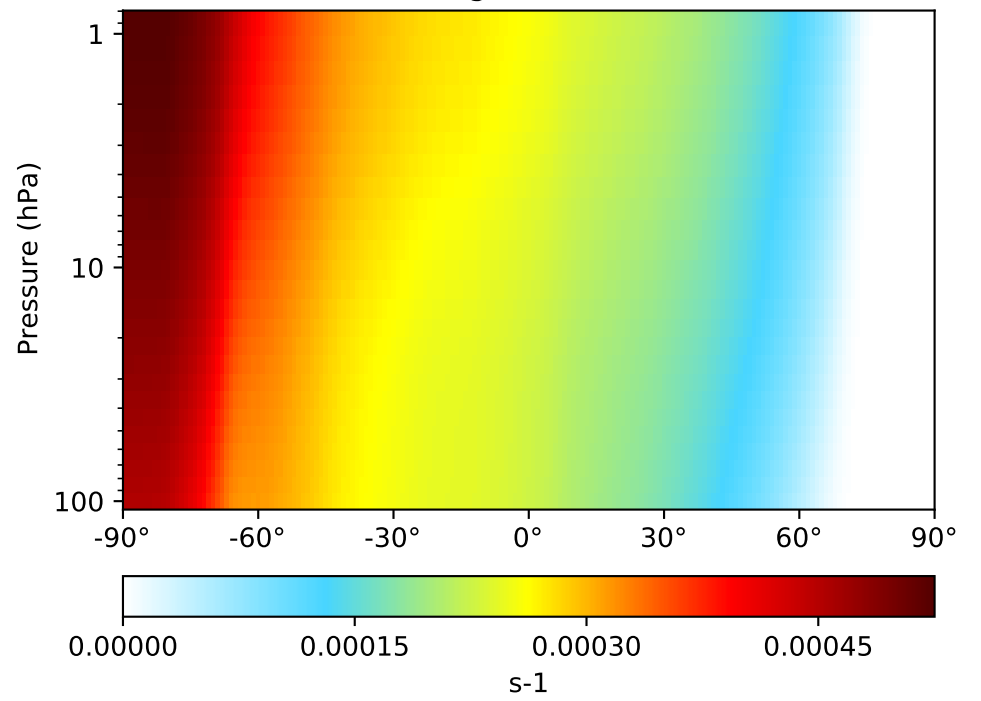


Jval_HPALD1, Zonal Mean (Jan2019)

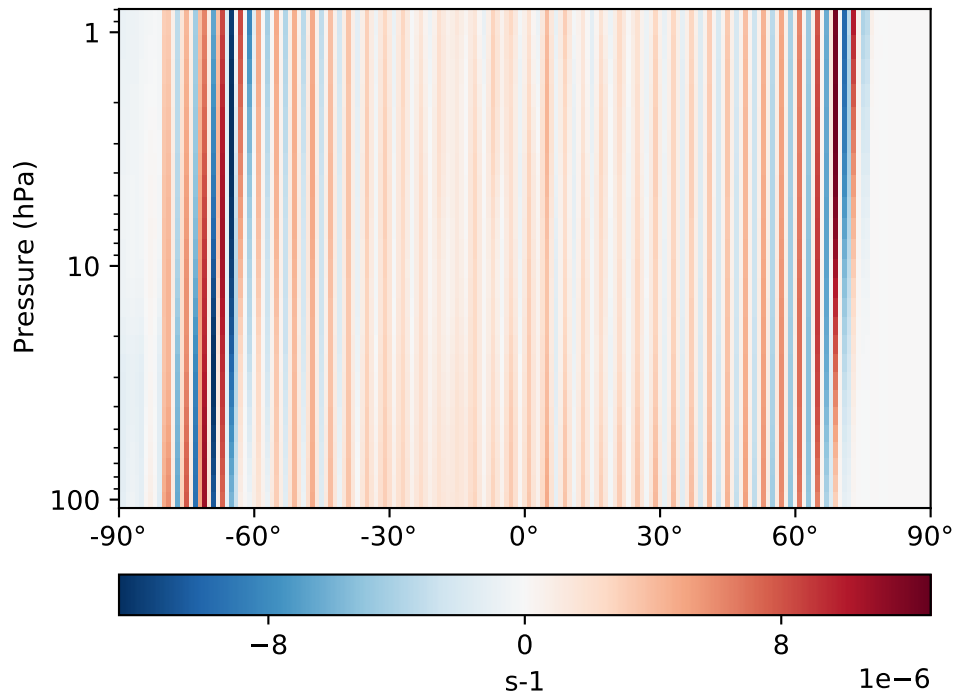
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



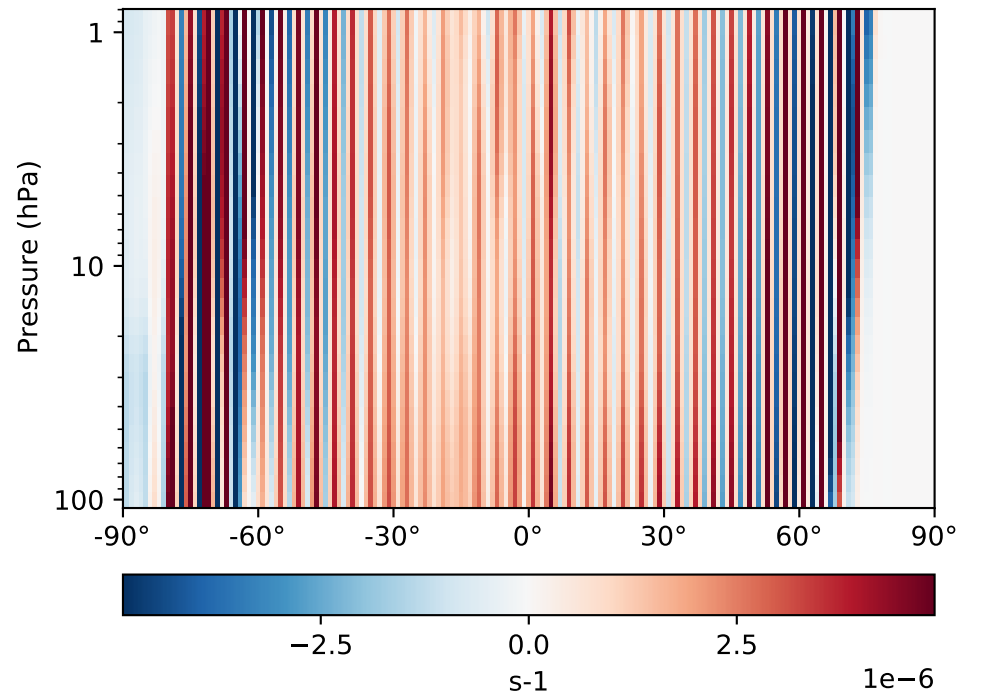
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



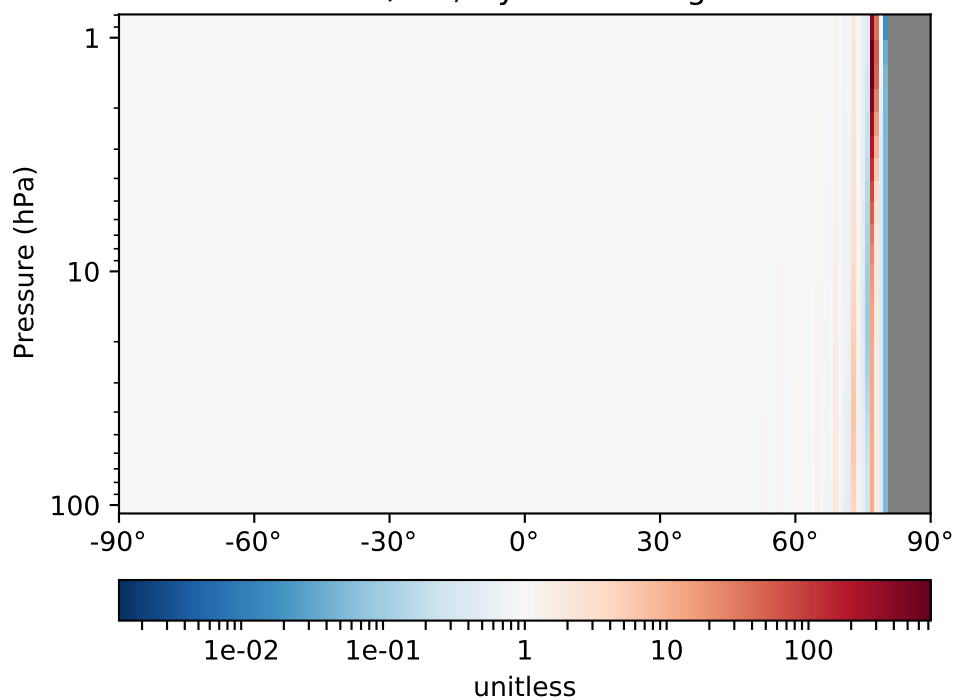
Difference (1x1.25)
Dev - Ref, Dynamic Range



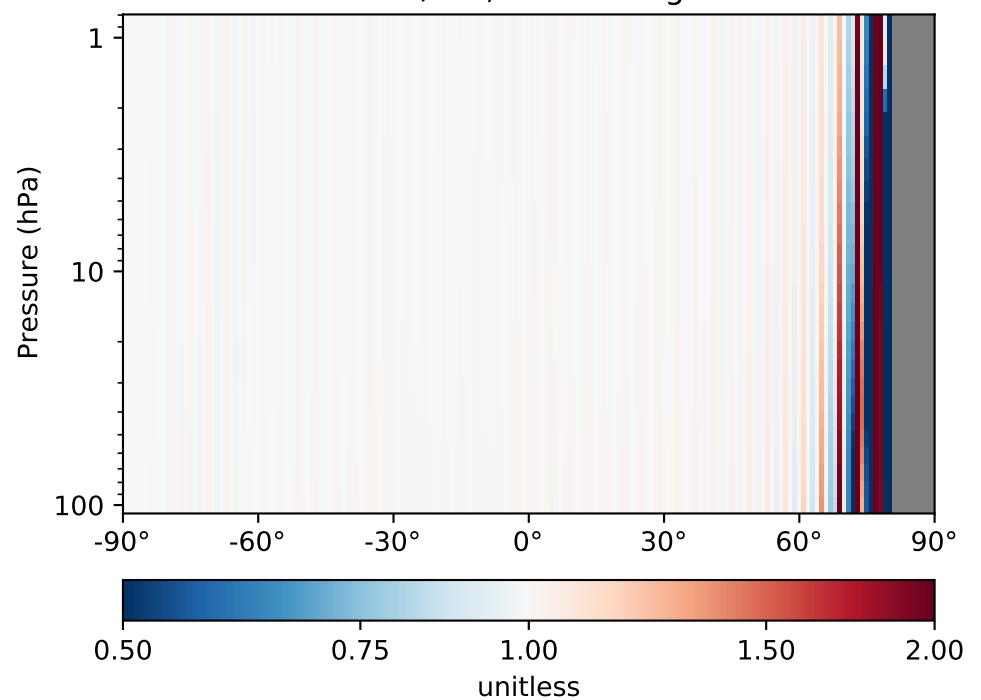
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

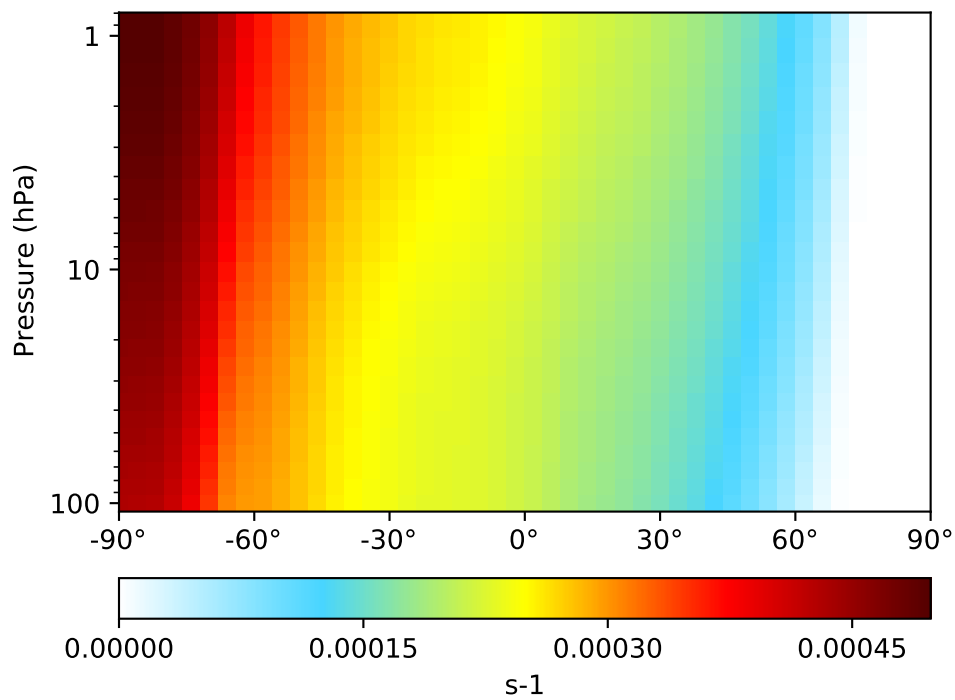


Ratio (1x1.25)
Dev/Ref, Fixed Range

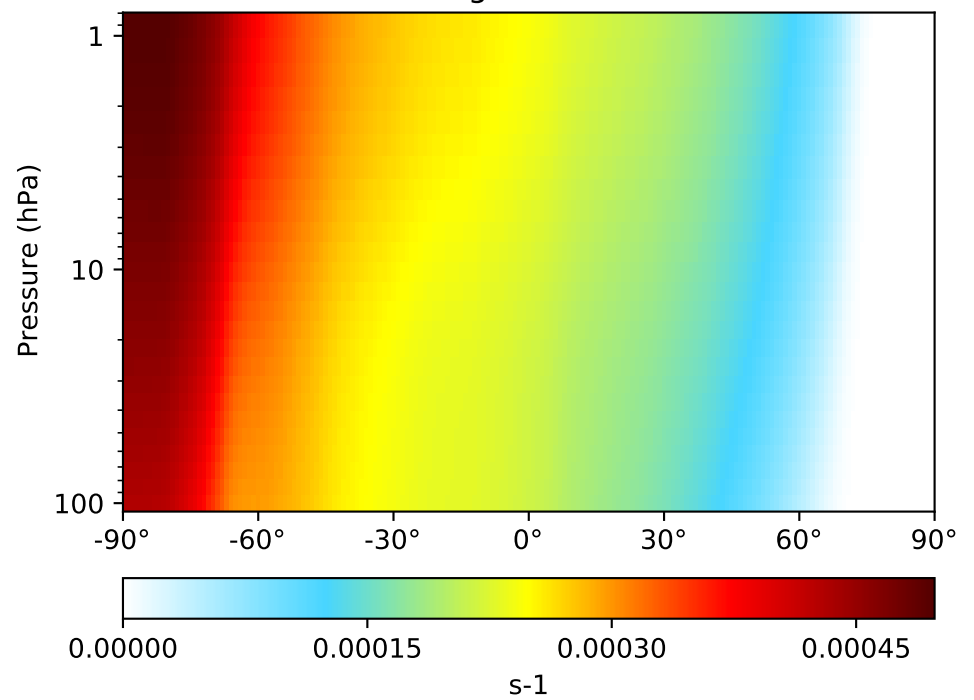


Jval_HPALD2, Zonal Mean (Jan2019)

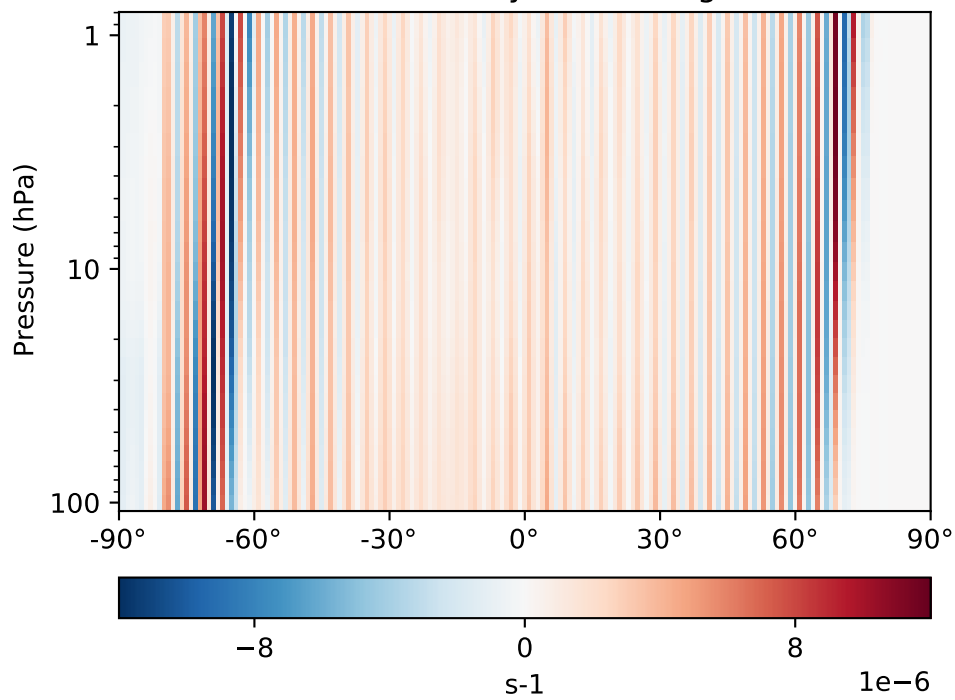
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



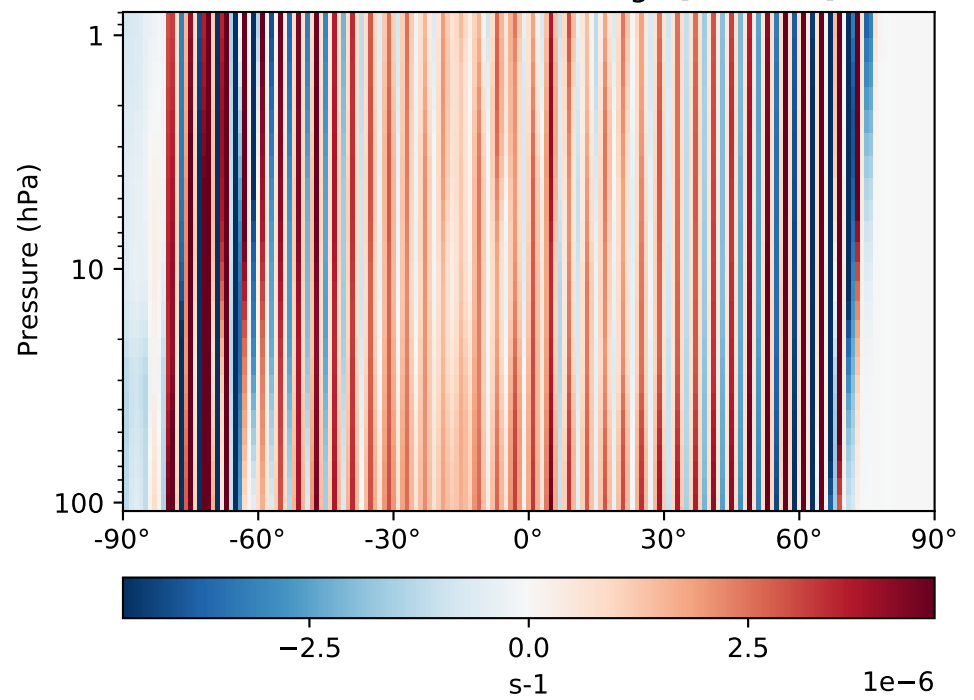
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



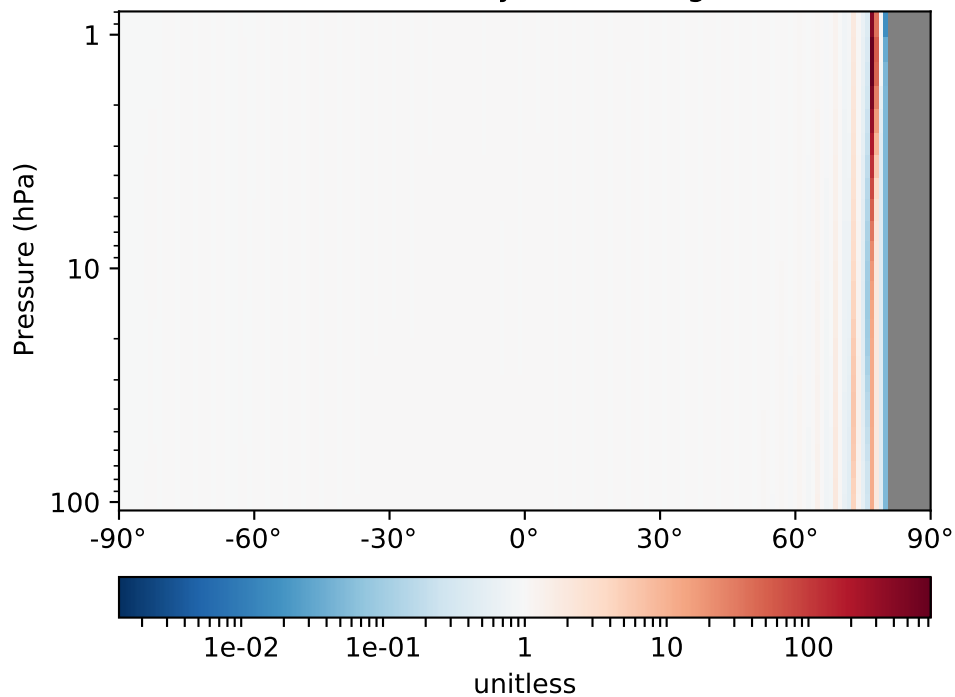
Difference (1x1.25)
Dev - Ref, Dynamic Range



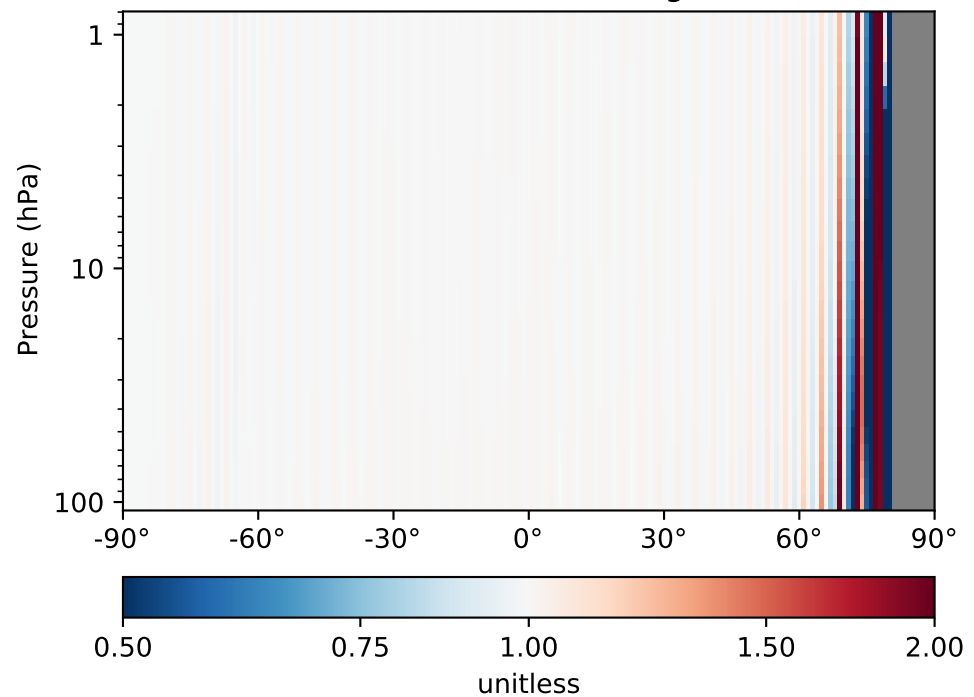
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

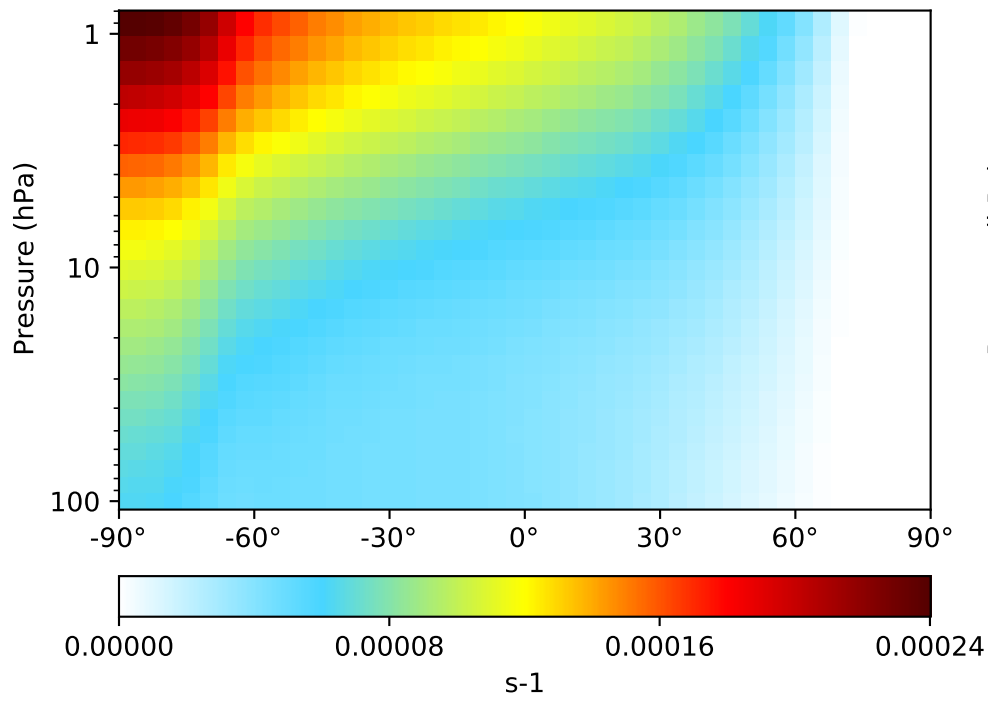


Ratio (1x1.25)
Dev/Ref, Fixed Range

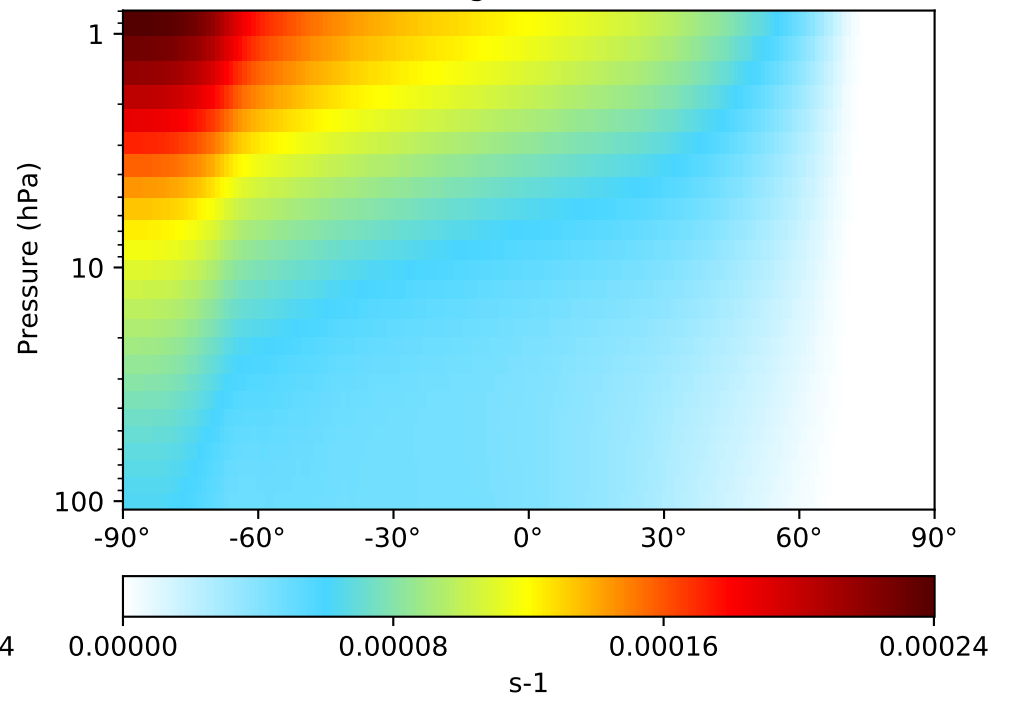


Jval_HPALD3, Zonal Mean (Jan2019)

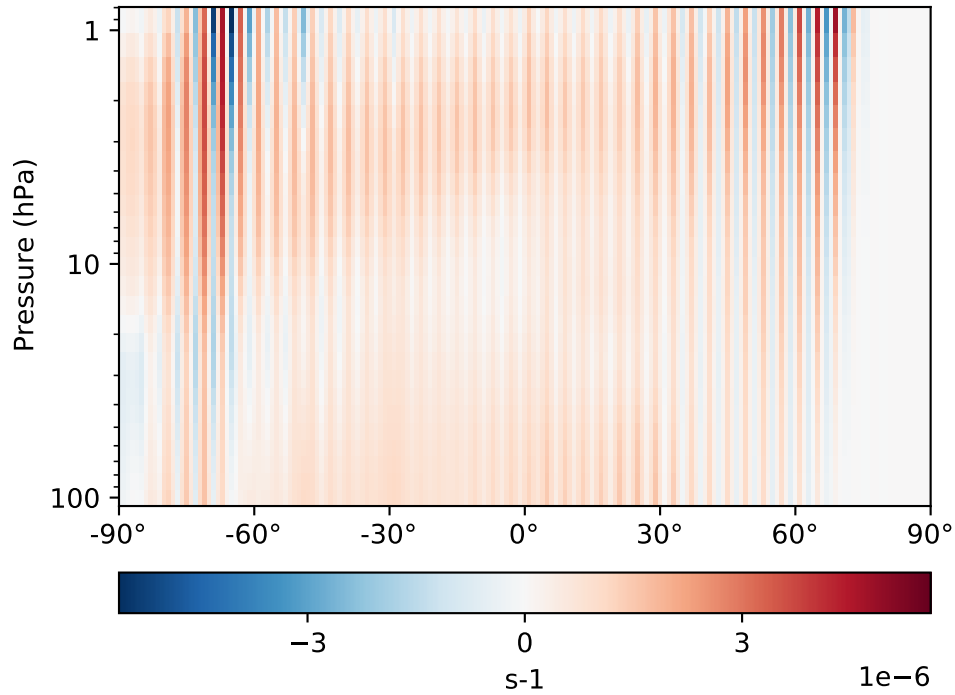
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



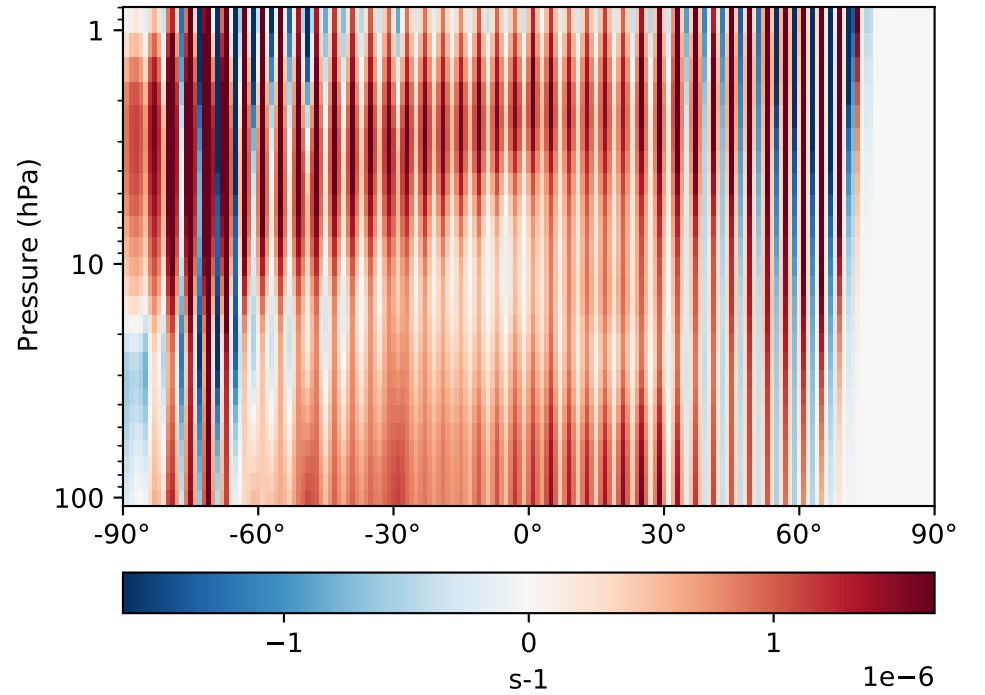
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



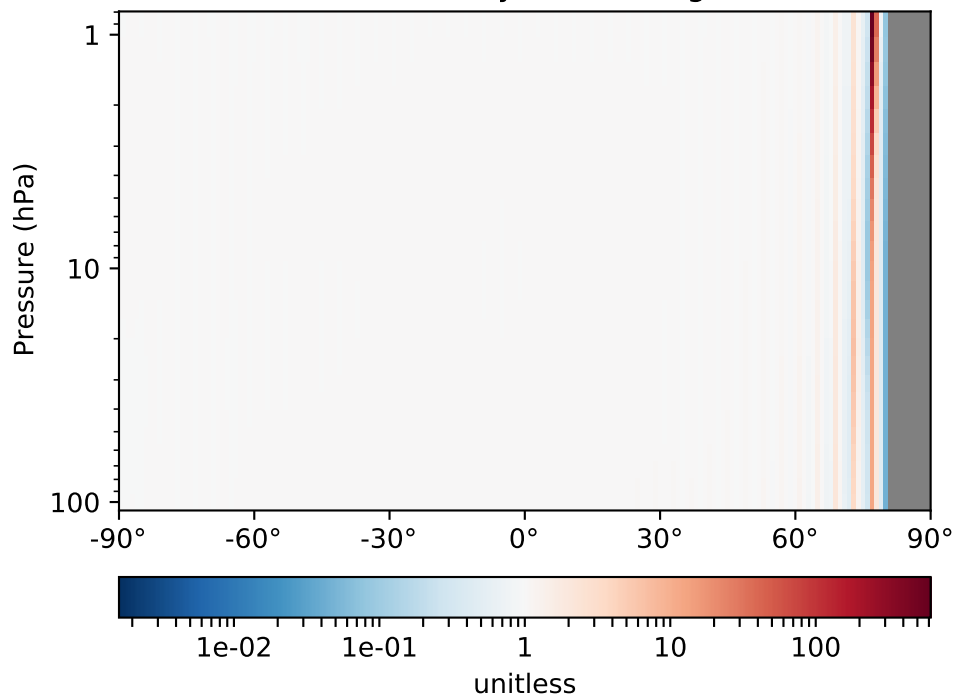
Difference (1x1.25)
Dev - Ref, Dynamic Range



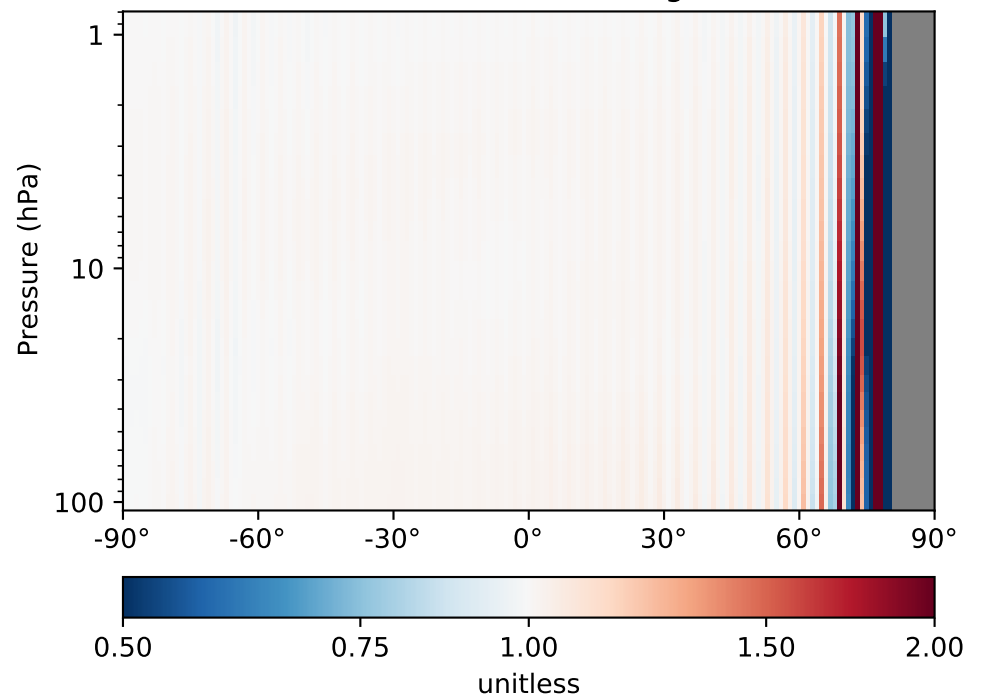
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

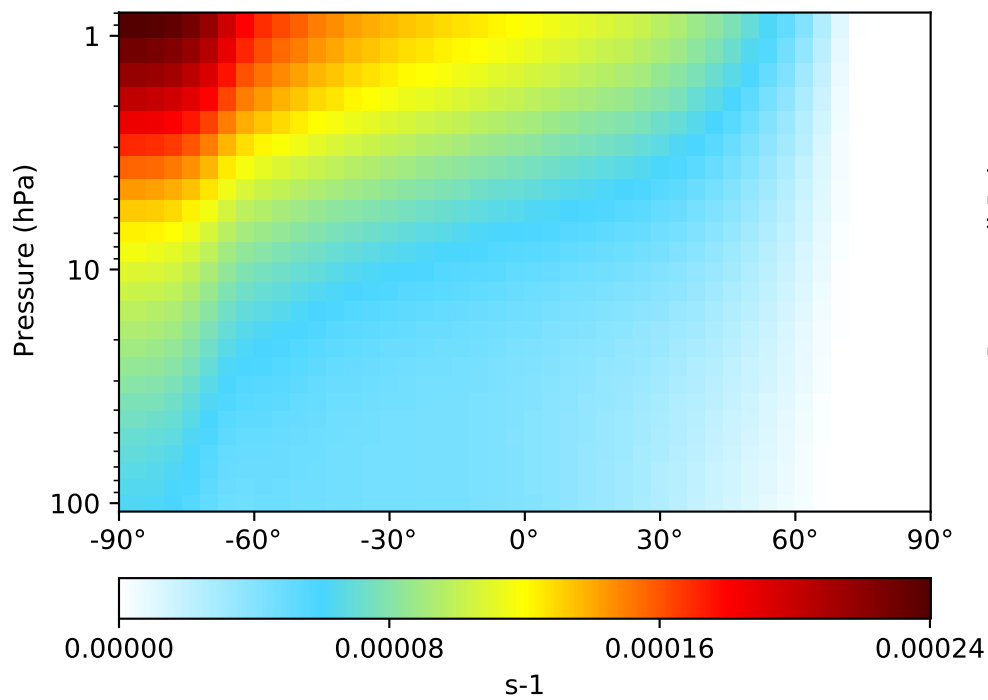


Ratio (1x1.25)
Dev/Ref, Fixed Range

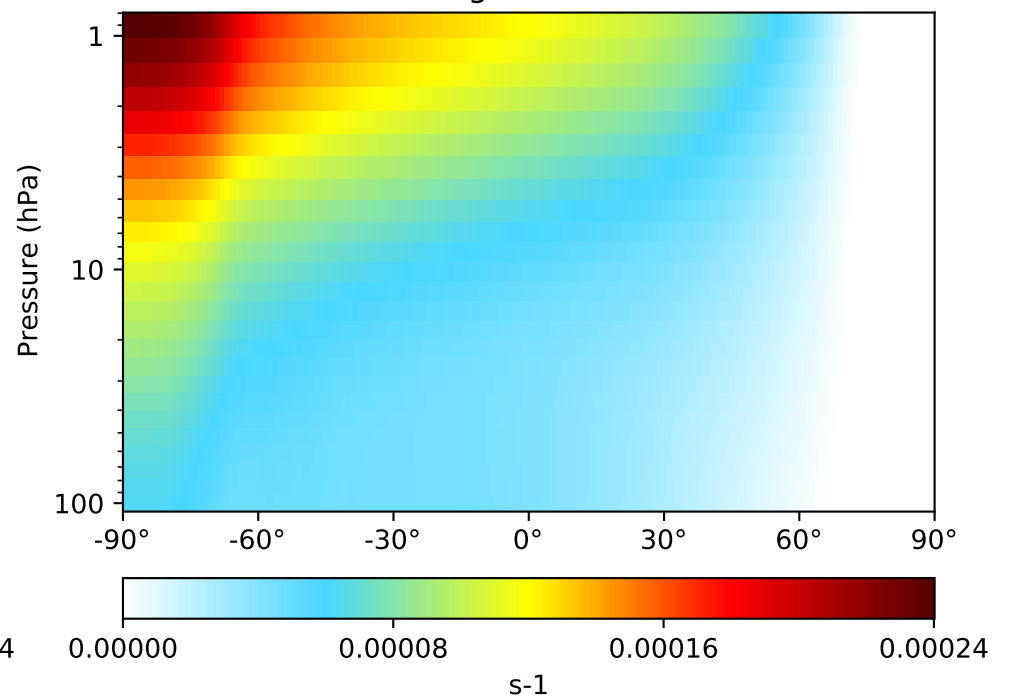


Jval_HPALD4, Zonal Mean (Jan2019)

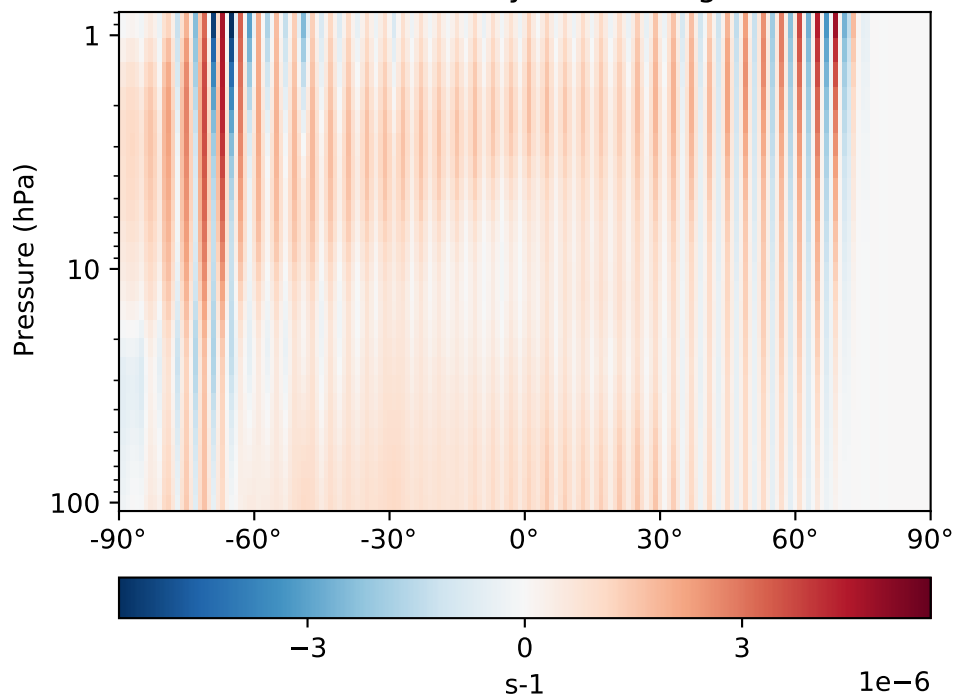
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



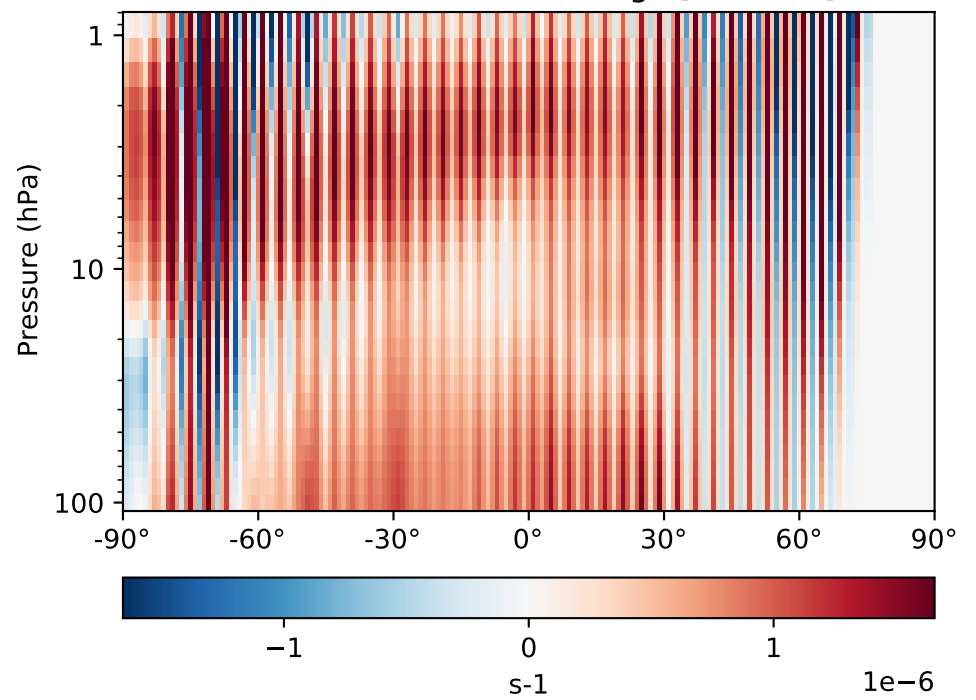
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



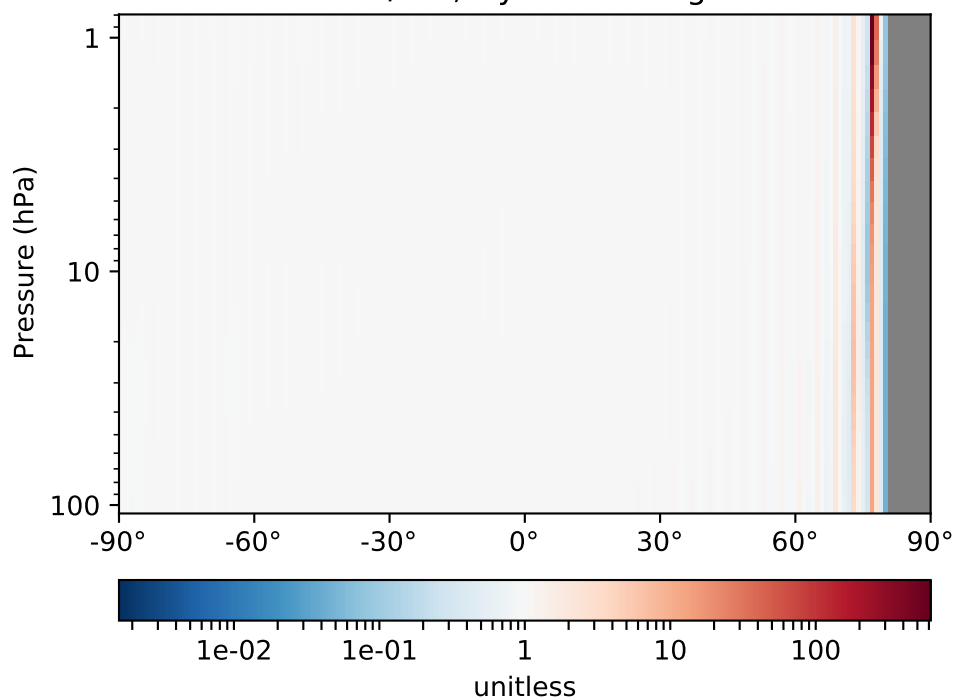
Difference (1x1.25)
Dev - Ref, Dynamic Range



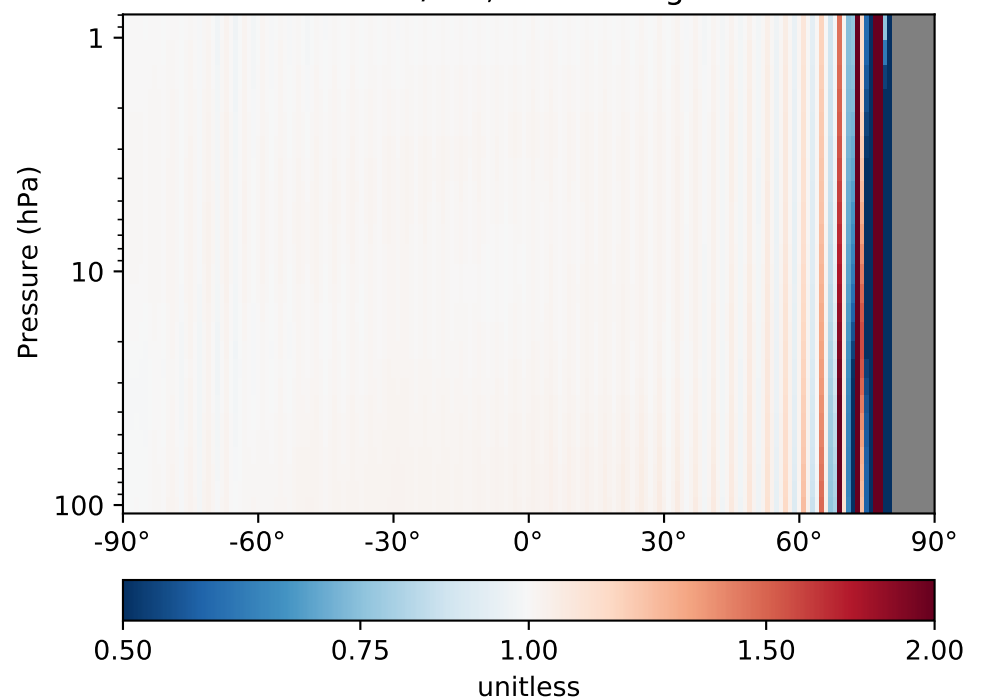
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

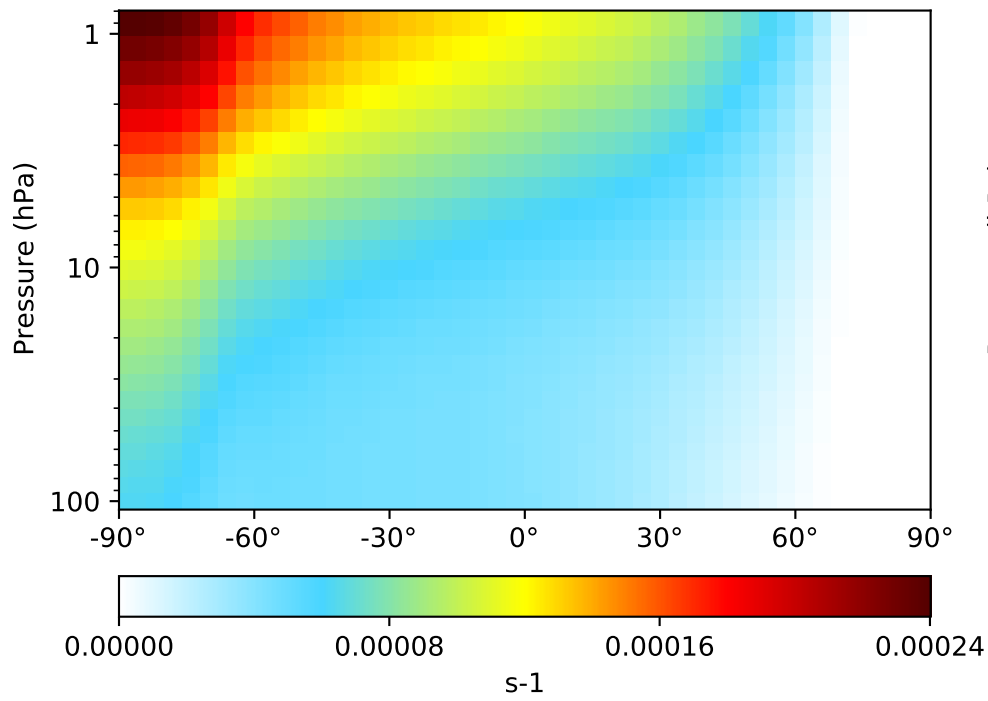


Ratio (1x1.25)
Dev/Ref, Fixed Range

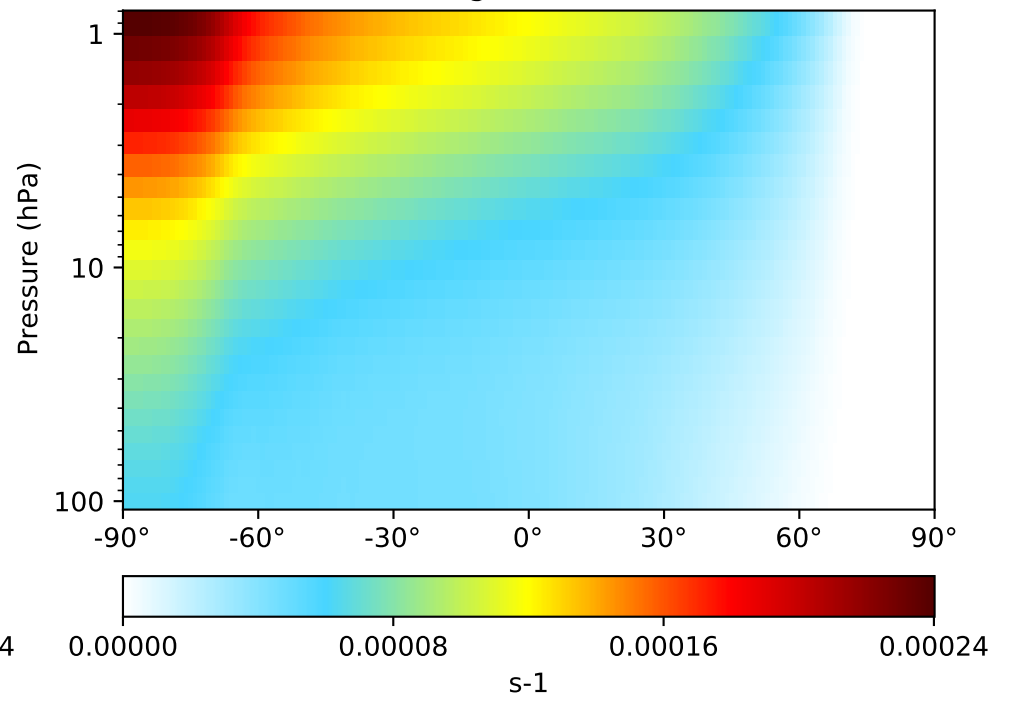


Jval_HPETHNL, Zonal Mean (Jan2019)

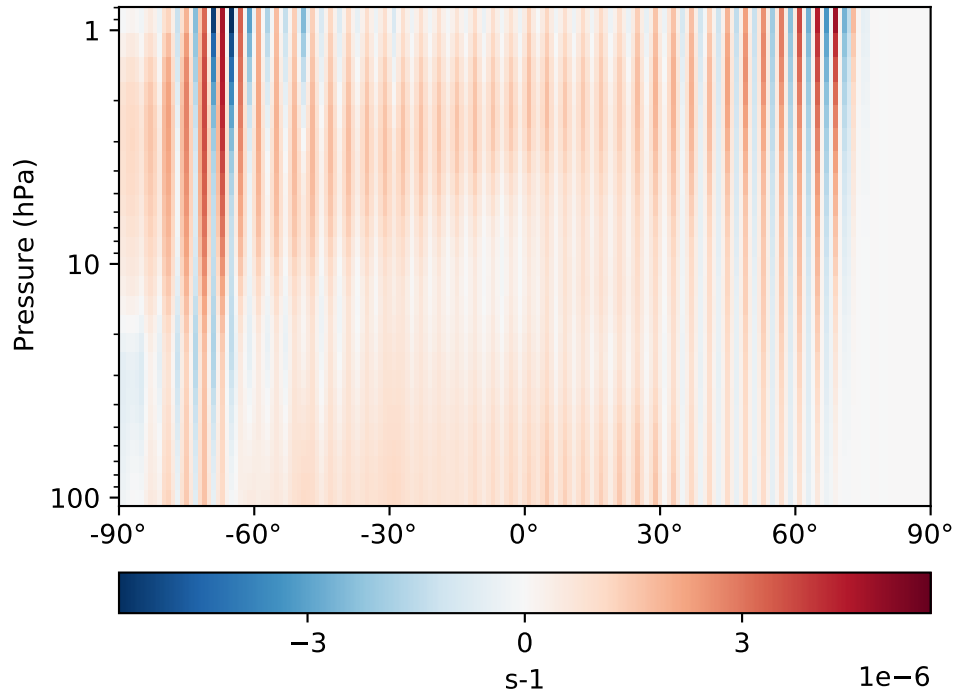
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



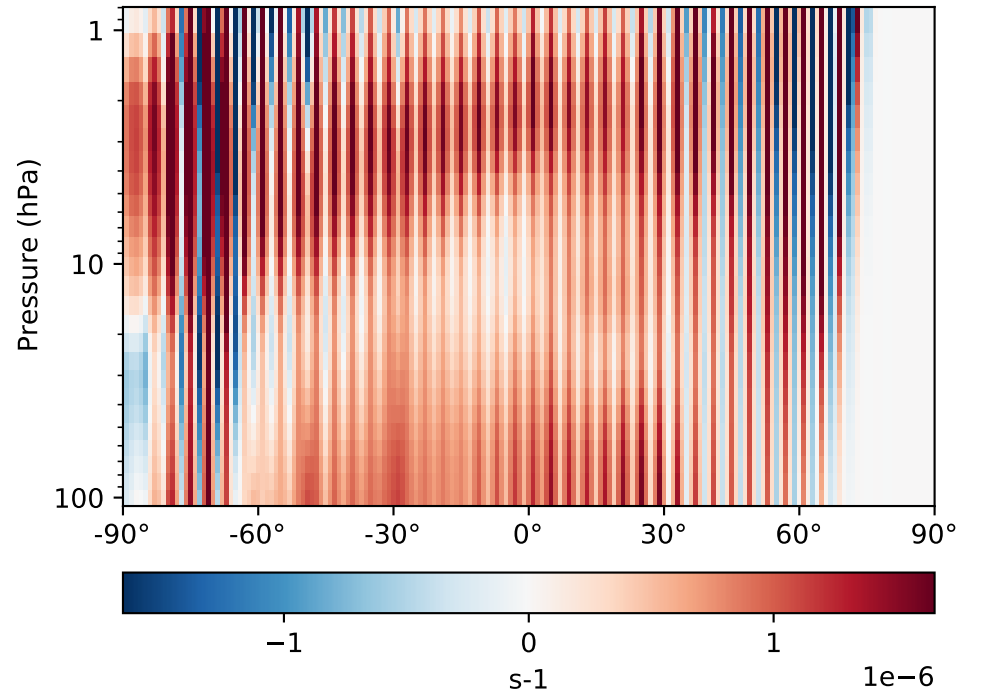
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



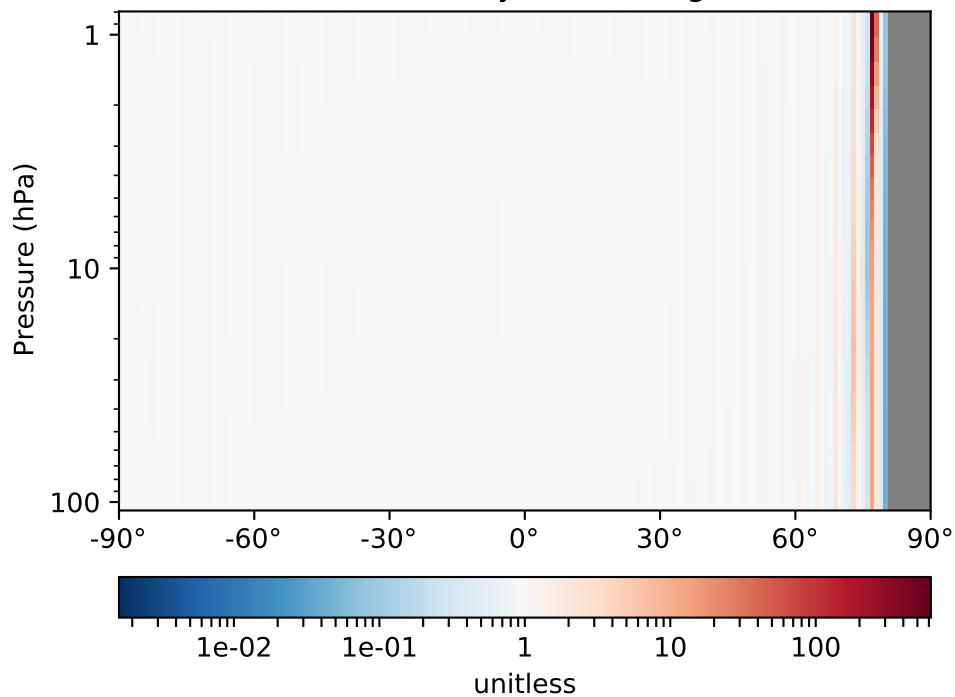
Difference (1x1.25)
Dev - Ref, Dynamic Range



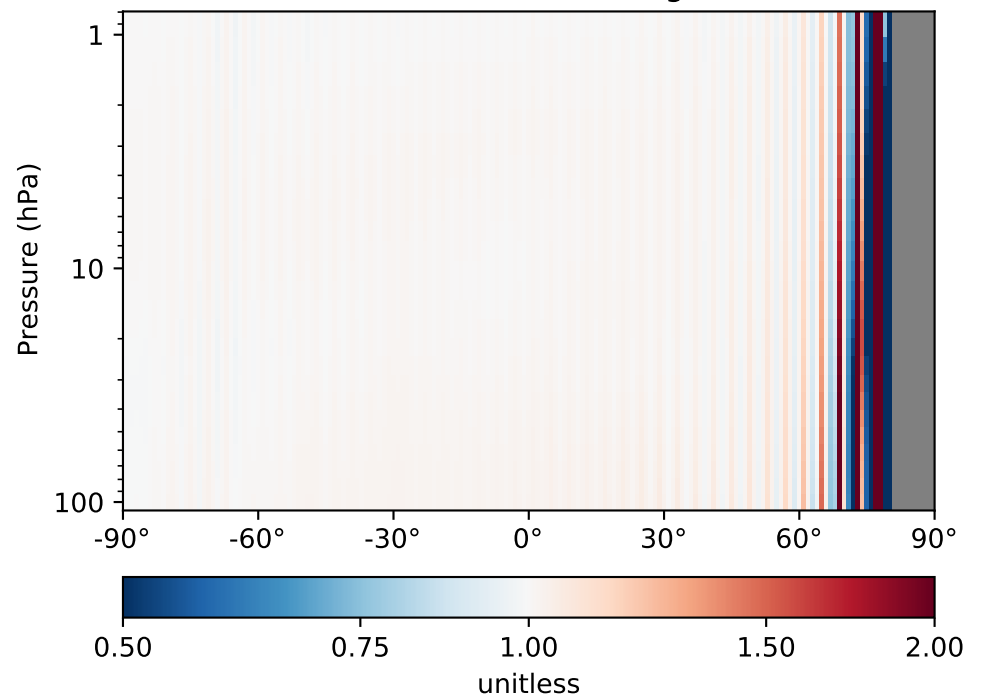
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

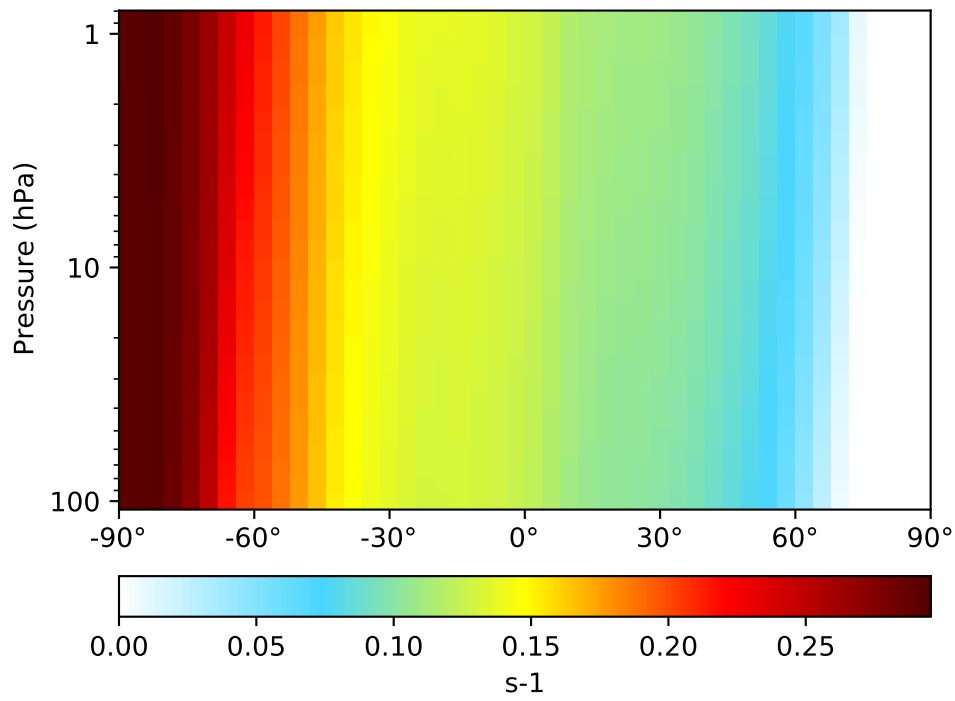


Ratio (1x1.25)
Dev/Ref, Fixed Range

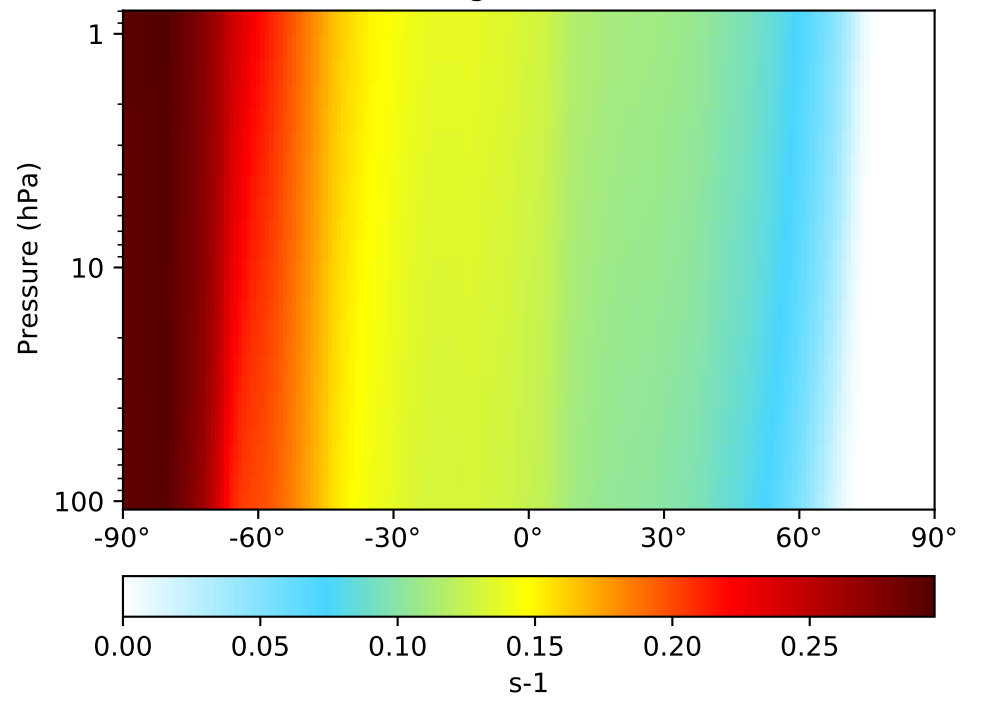


Jval_I2, Zonal Mean (Jan2019)

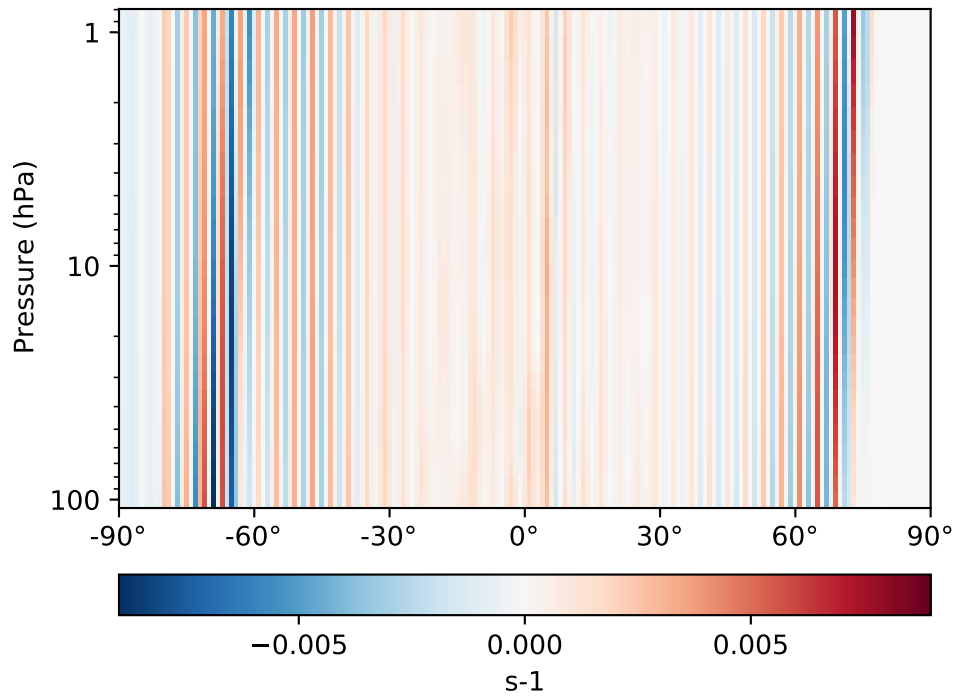
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



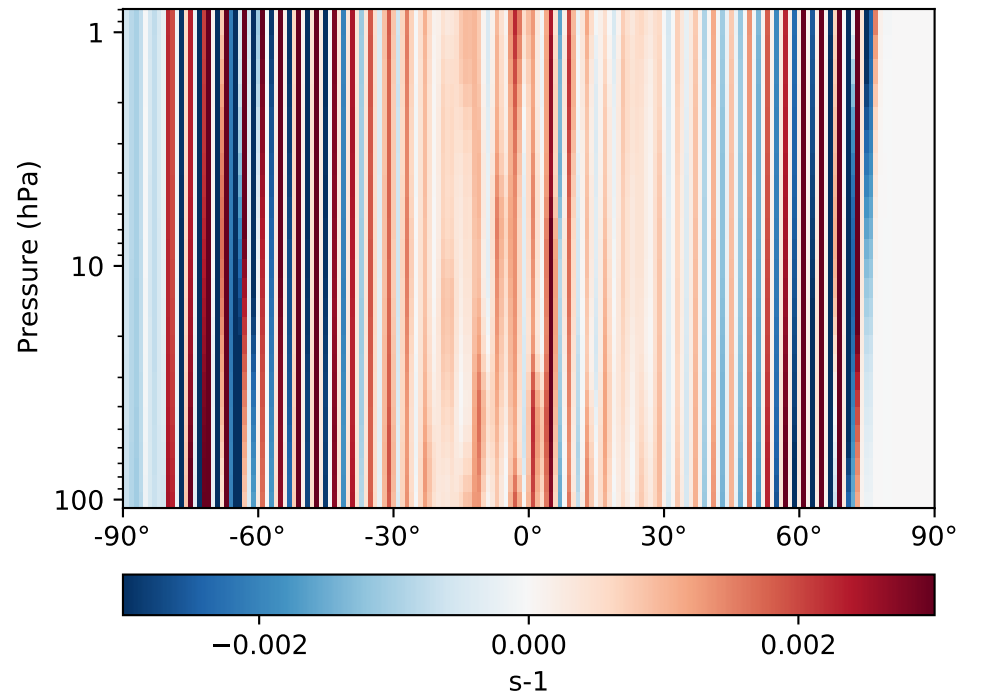
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



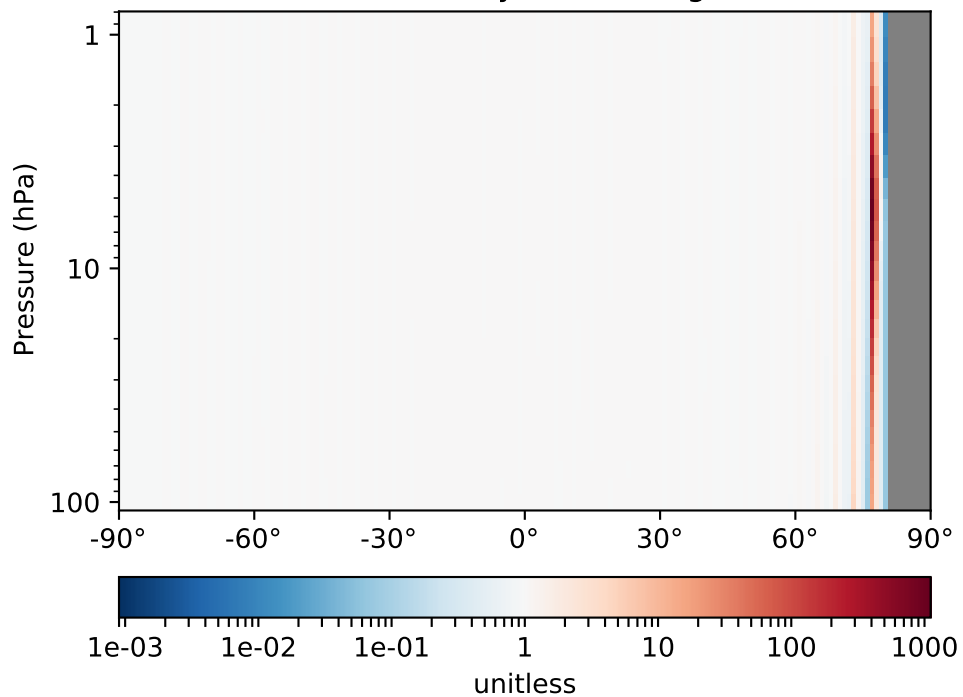
Difference (1x1.25)
Dev - Ref, Dynamic Range



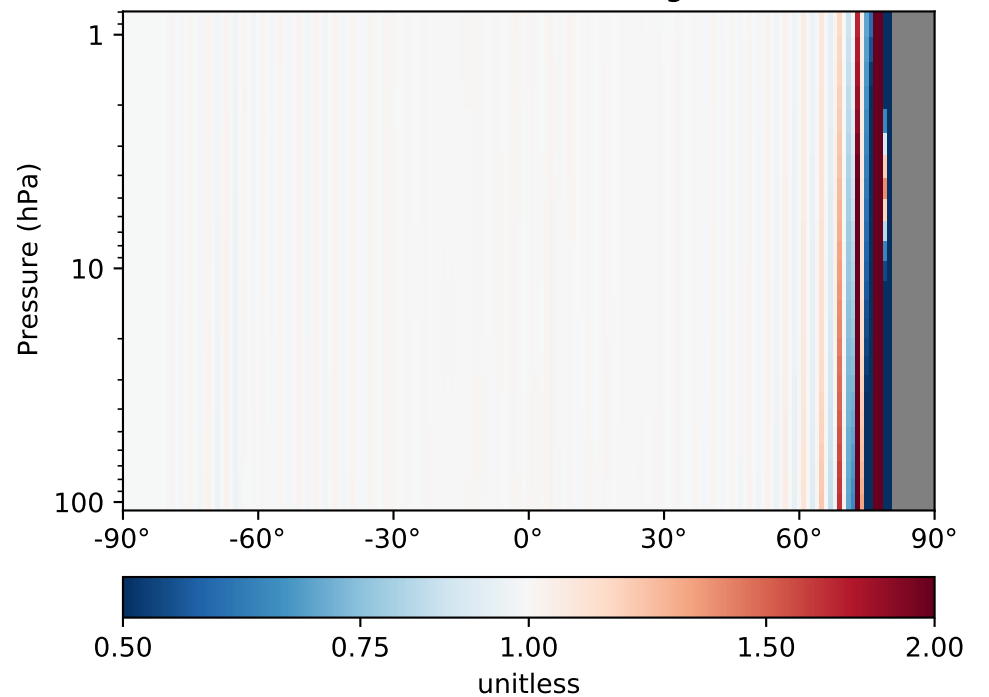
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

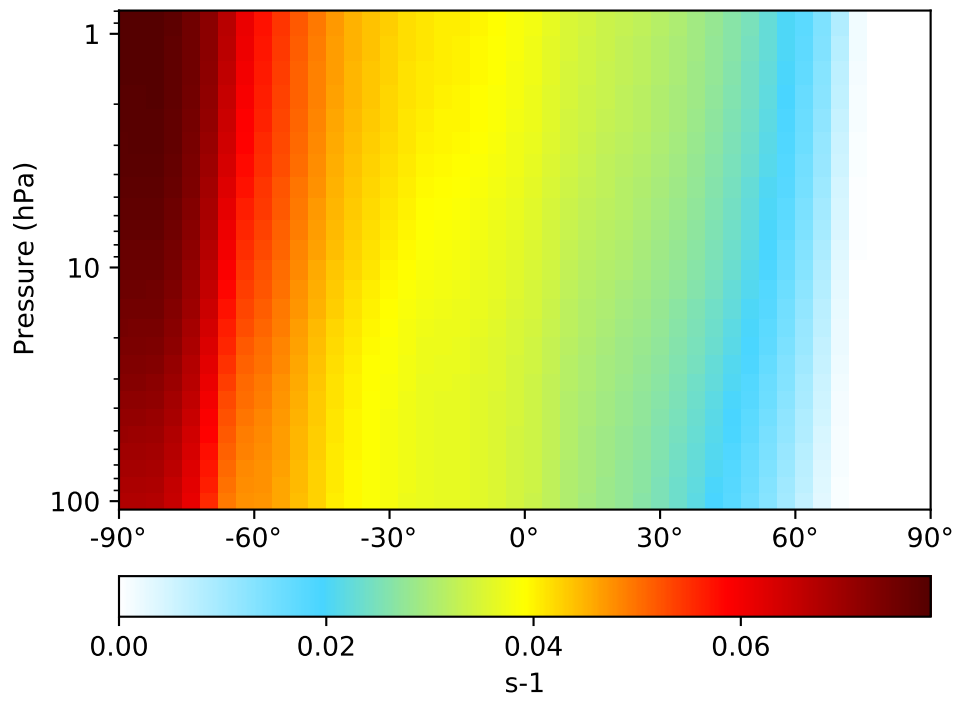


Ratio (1x1.25)
Dev/Ref, Fixed Range

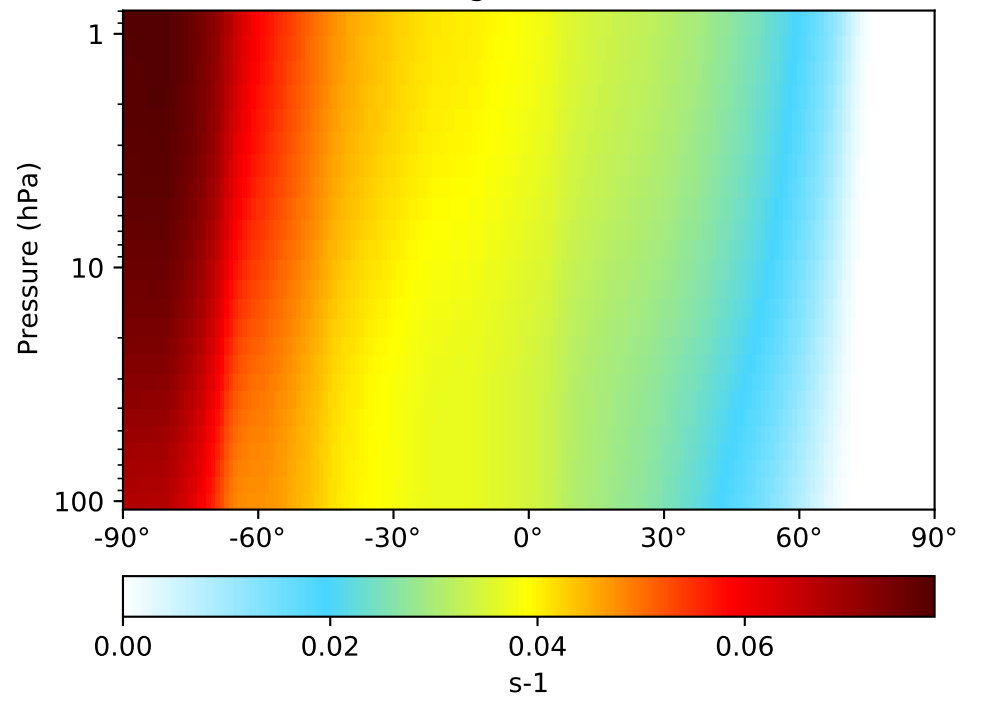


Jval_I2O2, Zonal Mean (Jan2019)

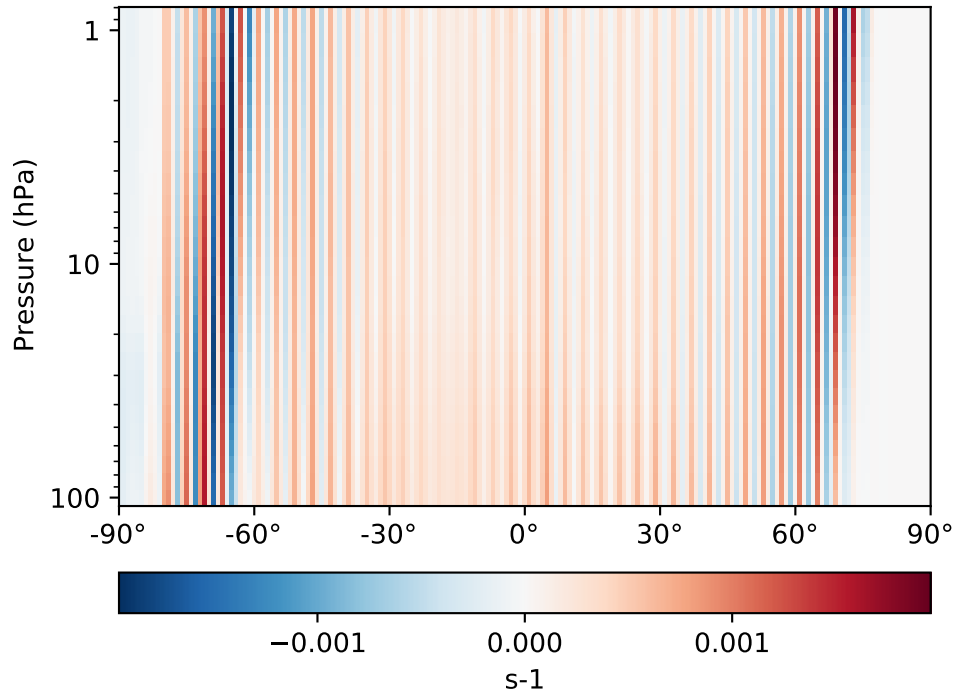
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



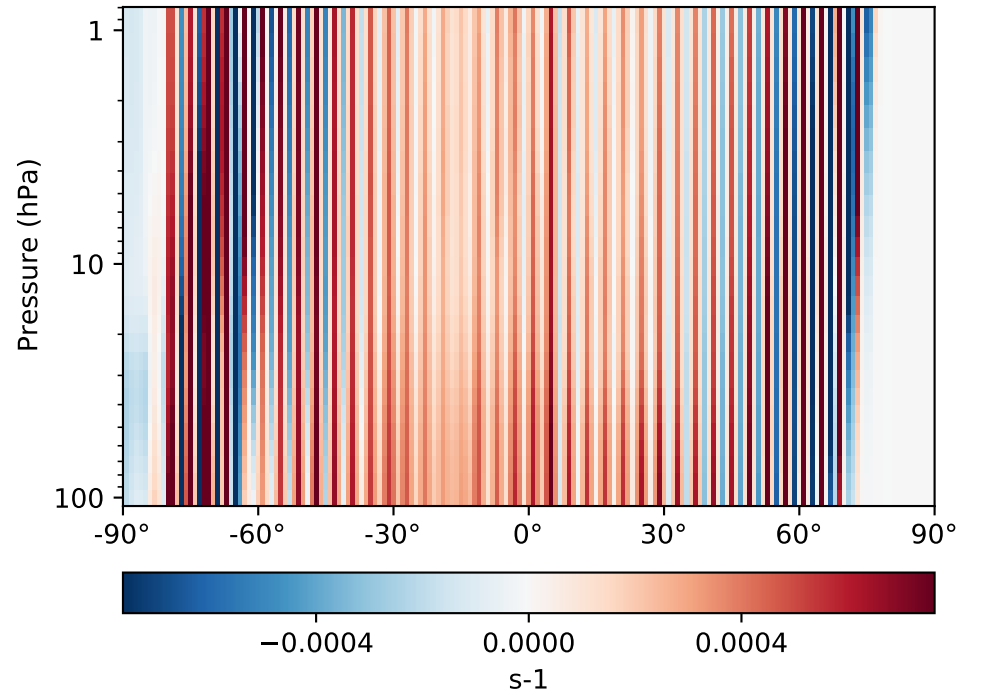
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



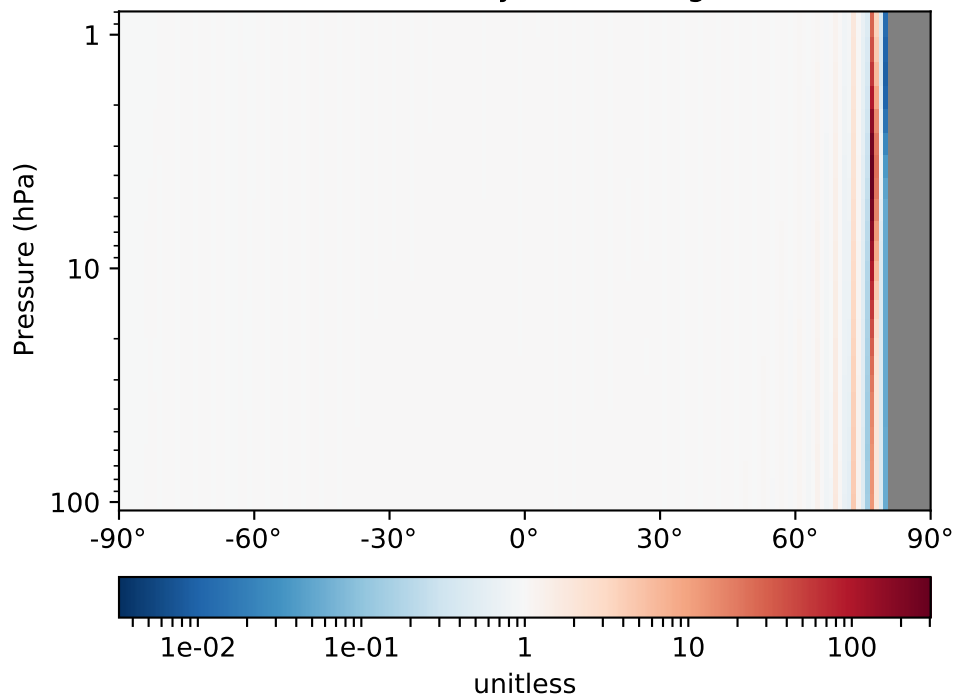
Difference (1x1.25)
Dev - Ref, Dynamic Range



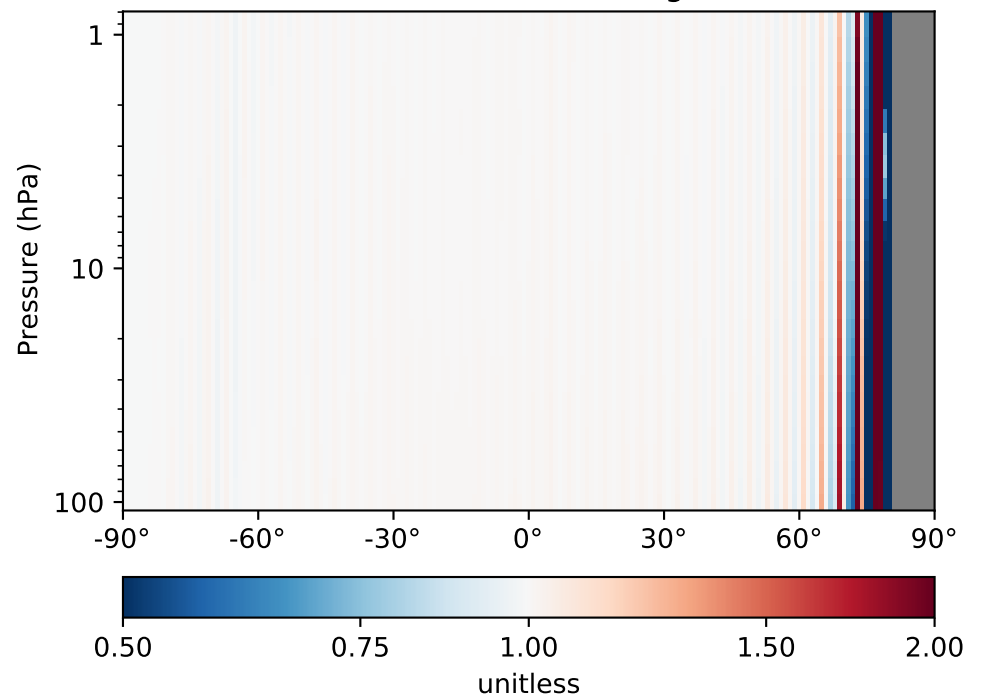
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

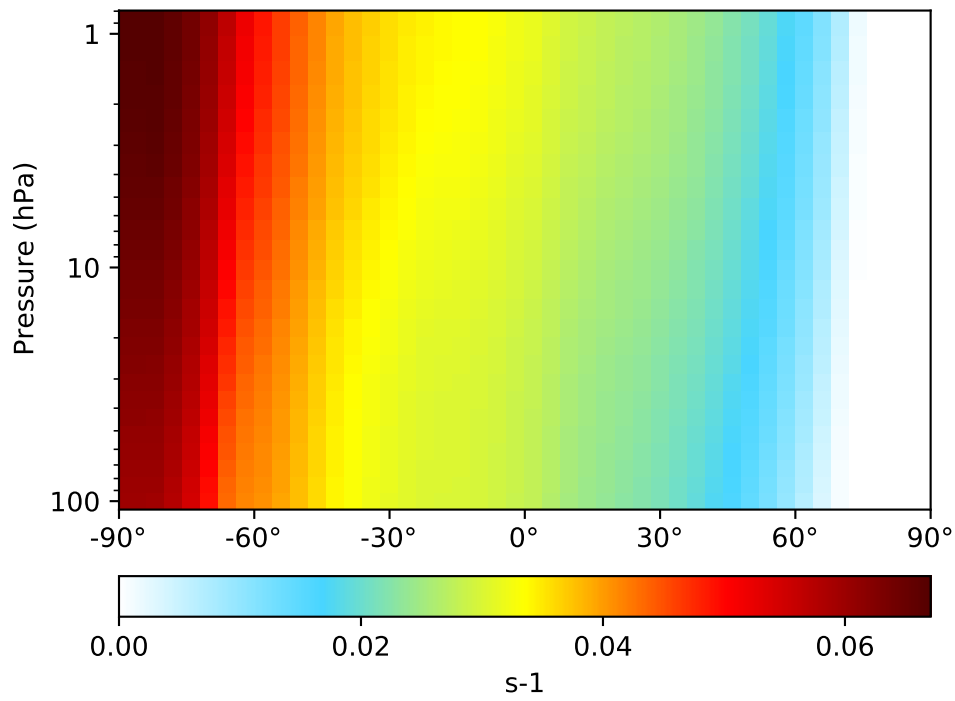


Ratio (1x1.25)
Dev/Ref, Fixed Range

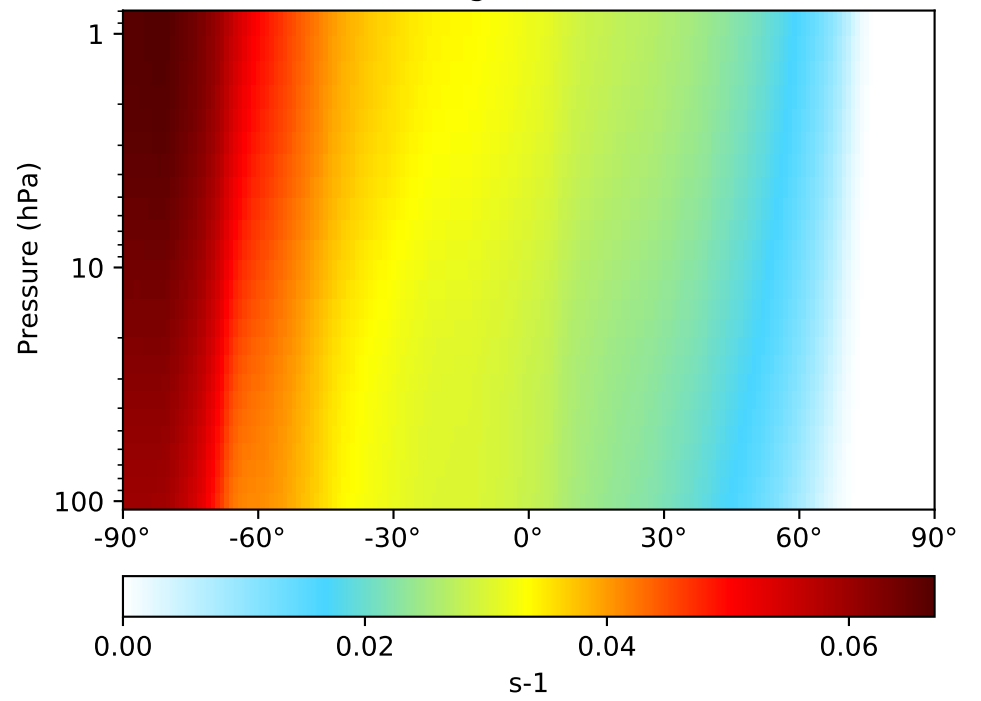


Jval_I2O3, Zonal Mean (Jan2019)

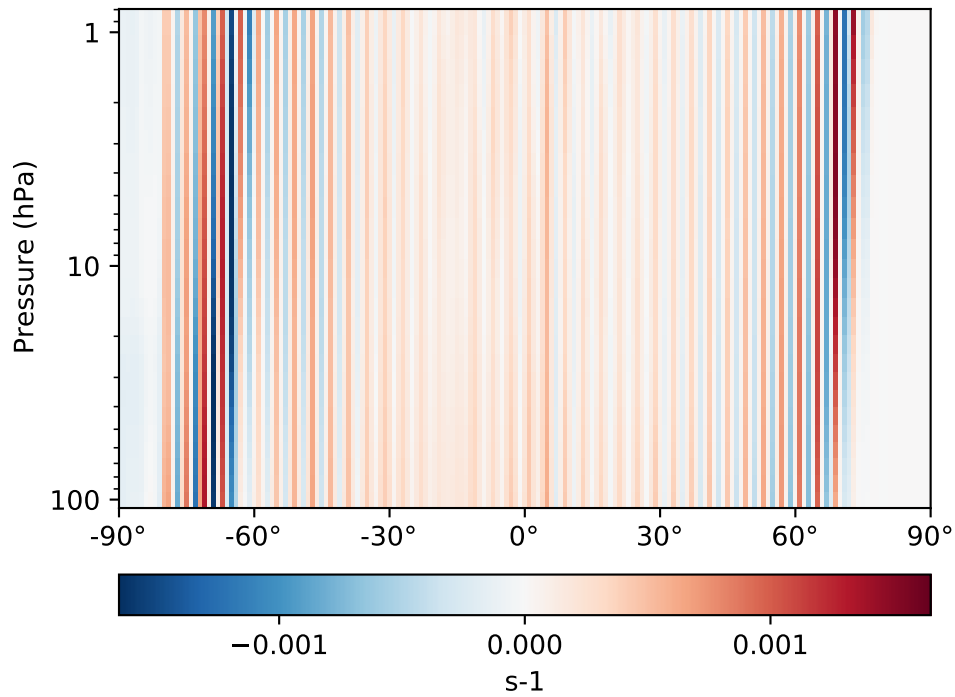
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



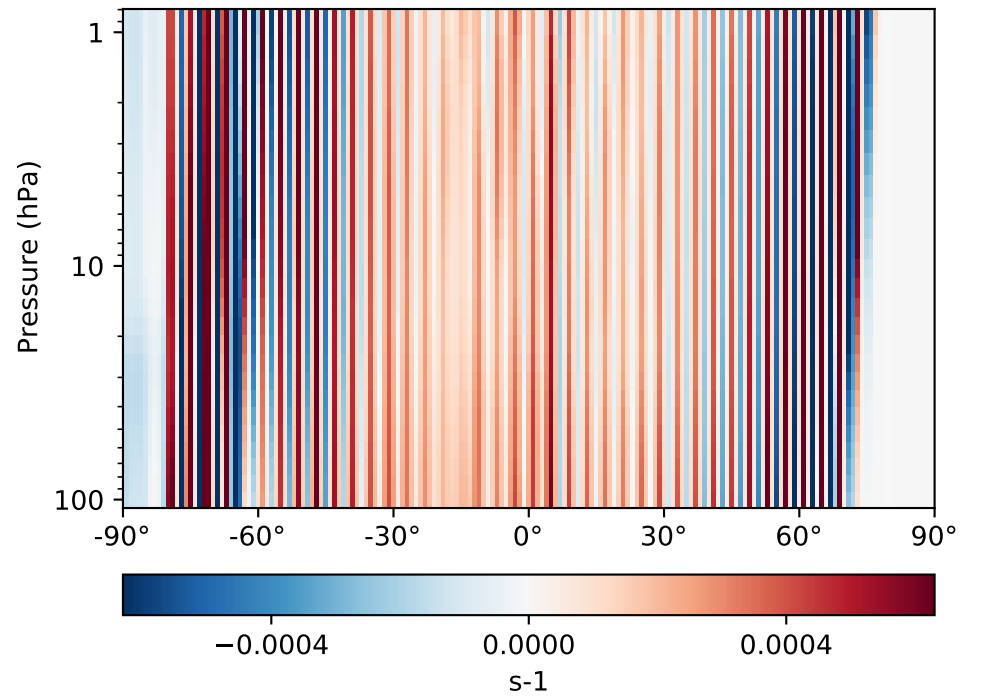
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



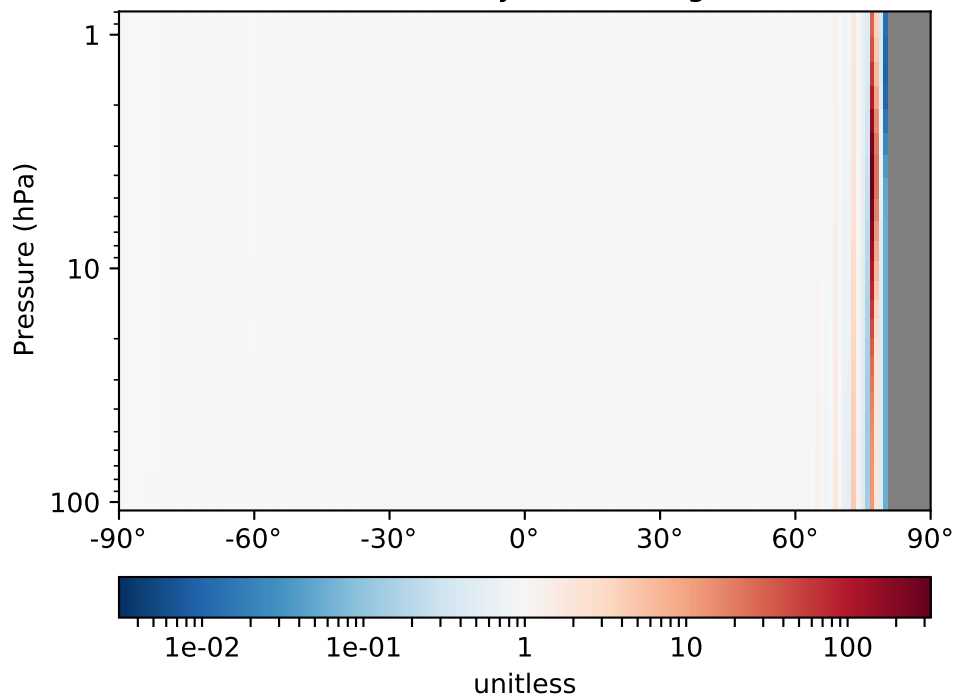
Difference (1x1.25)
Dev - Ref, Dynamic Range



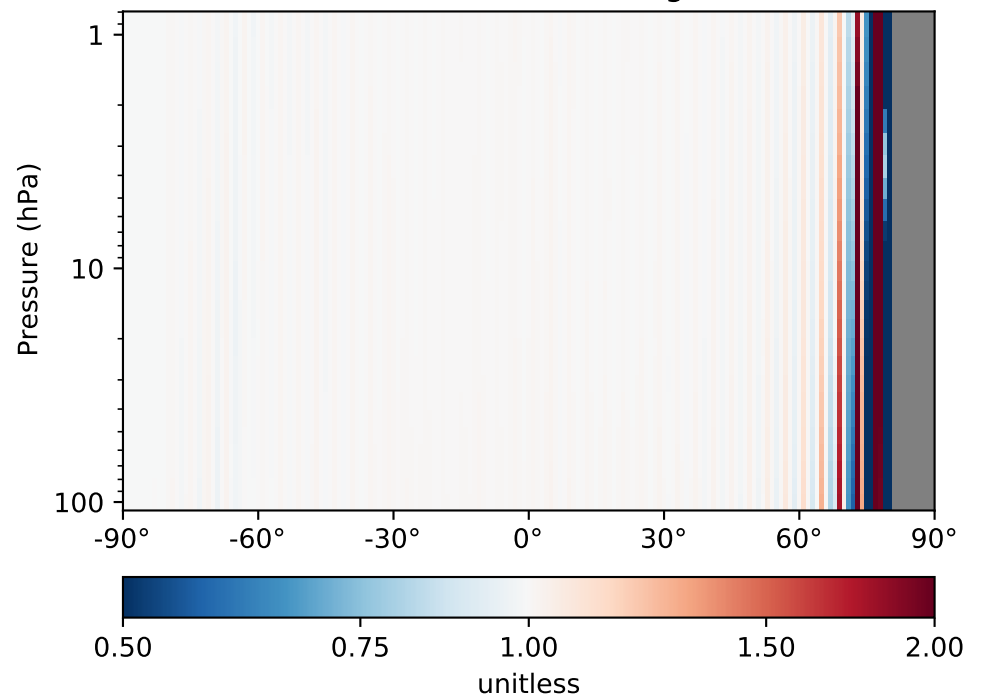
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

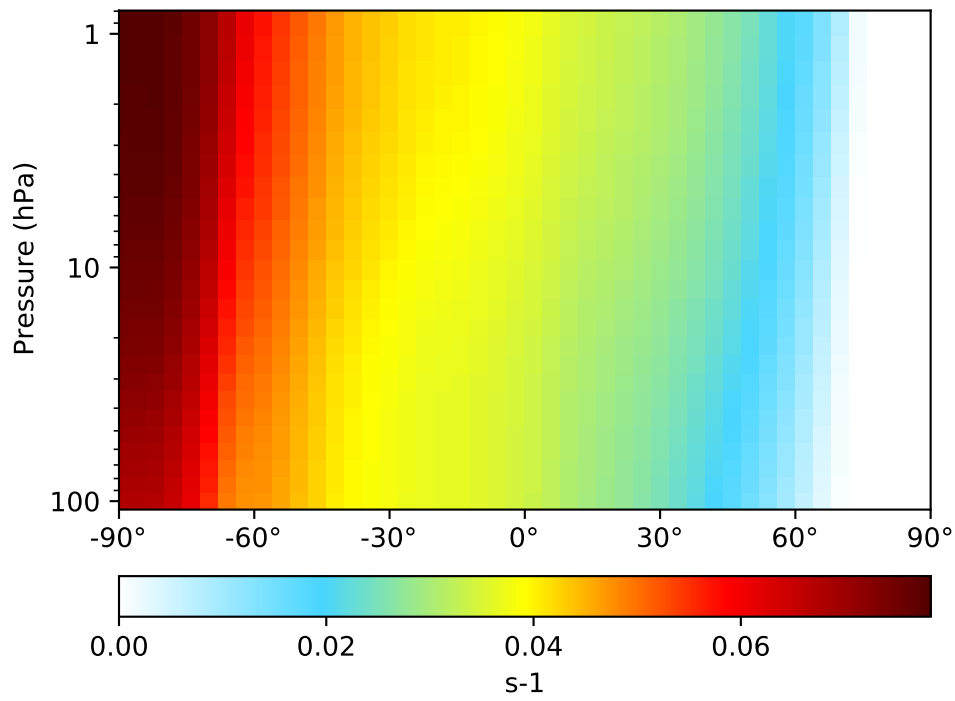


Ratio (1x1.25)
Dev/Ref, Fixed Range

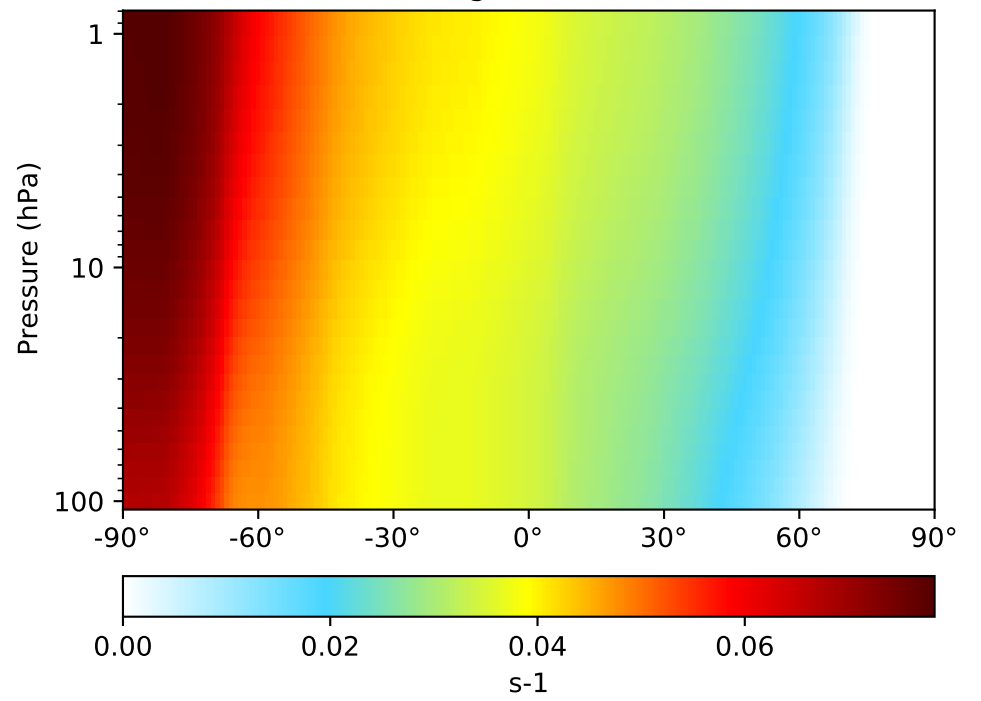


Jval_I2O4, Zonal Mean (Jan2019)

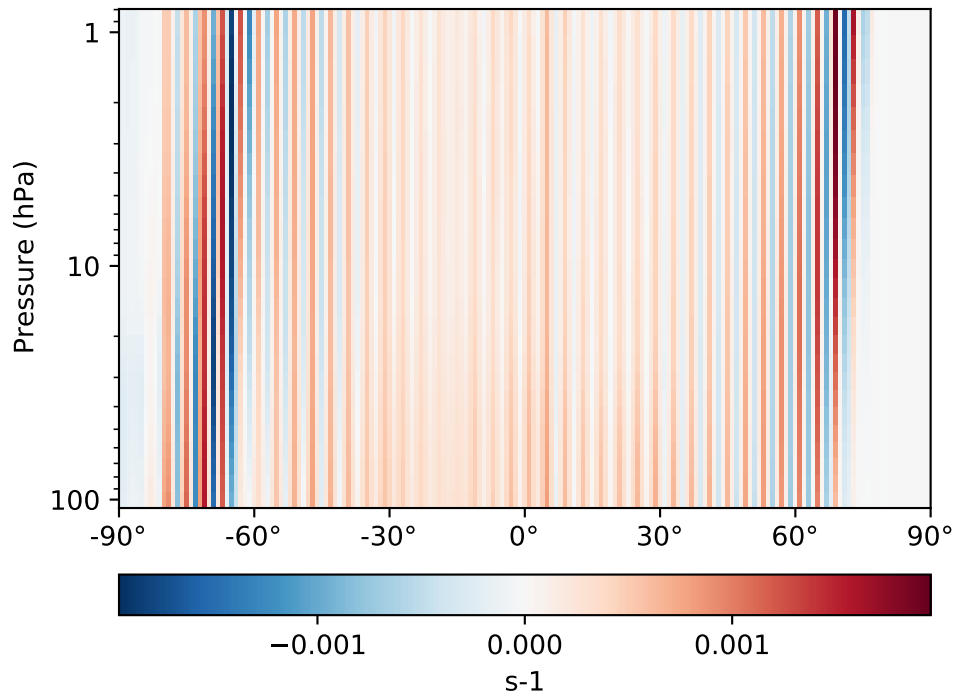
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



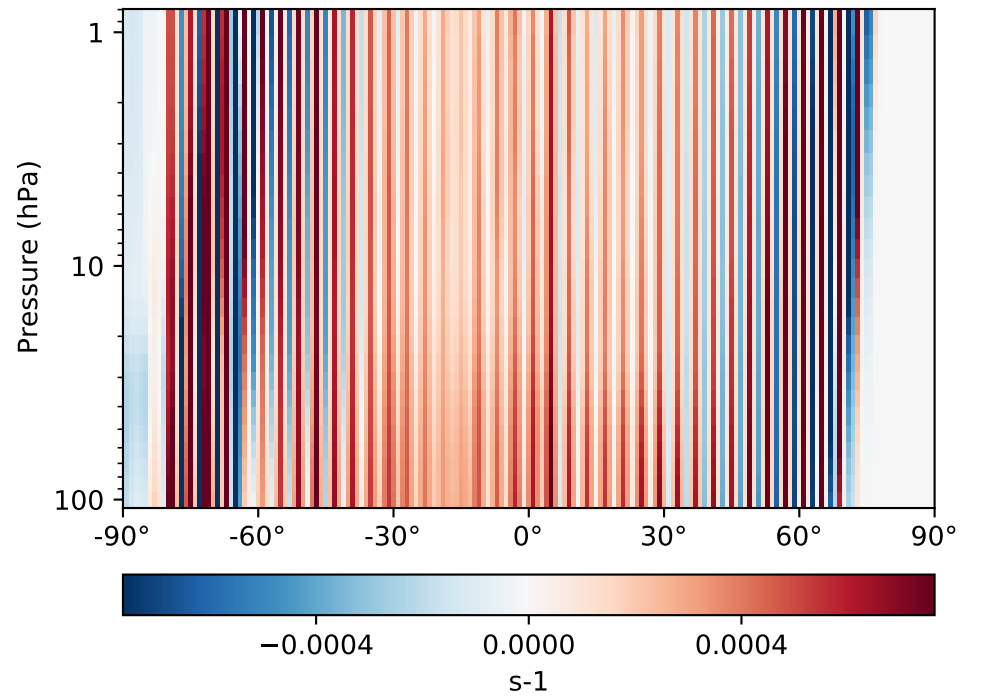
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



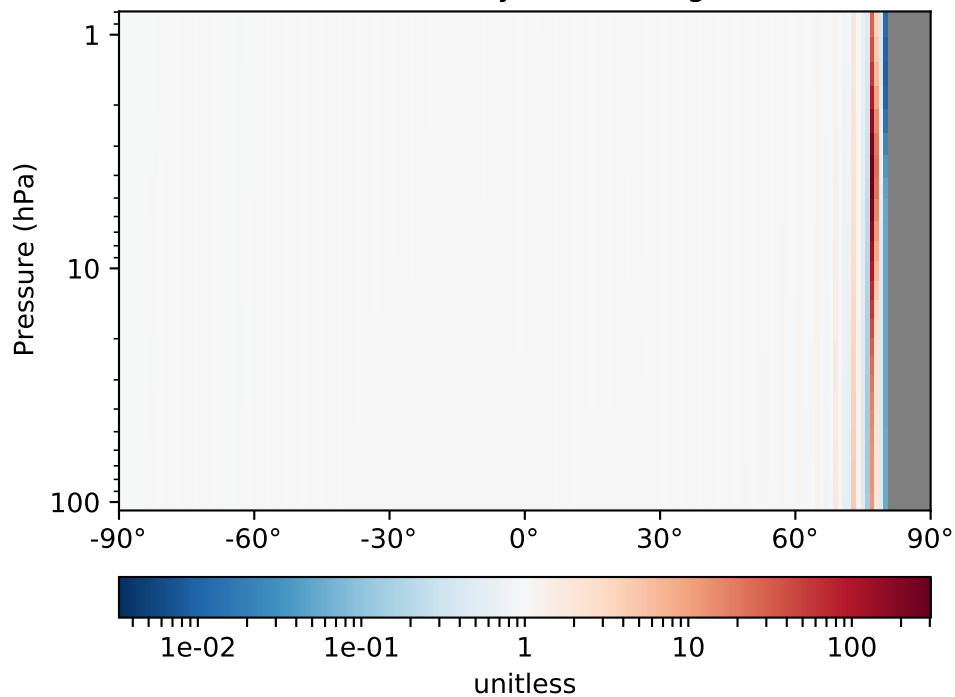
Difference (1x1.25)
Dev - Ref, Dynamic Range



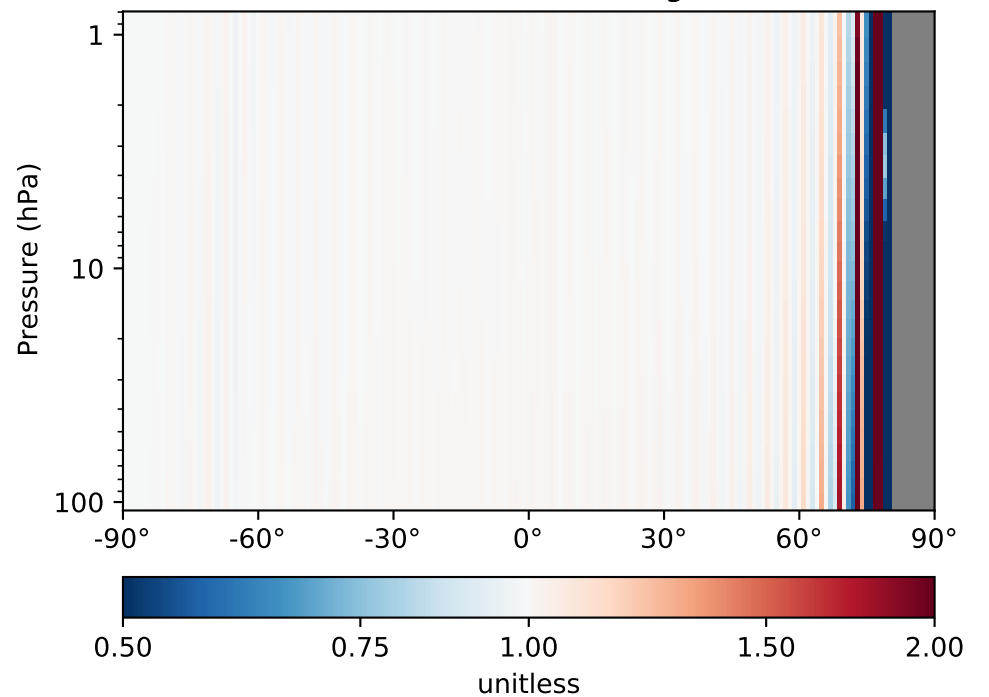
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

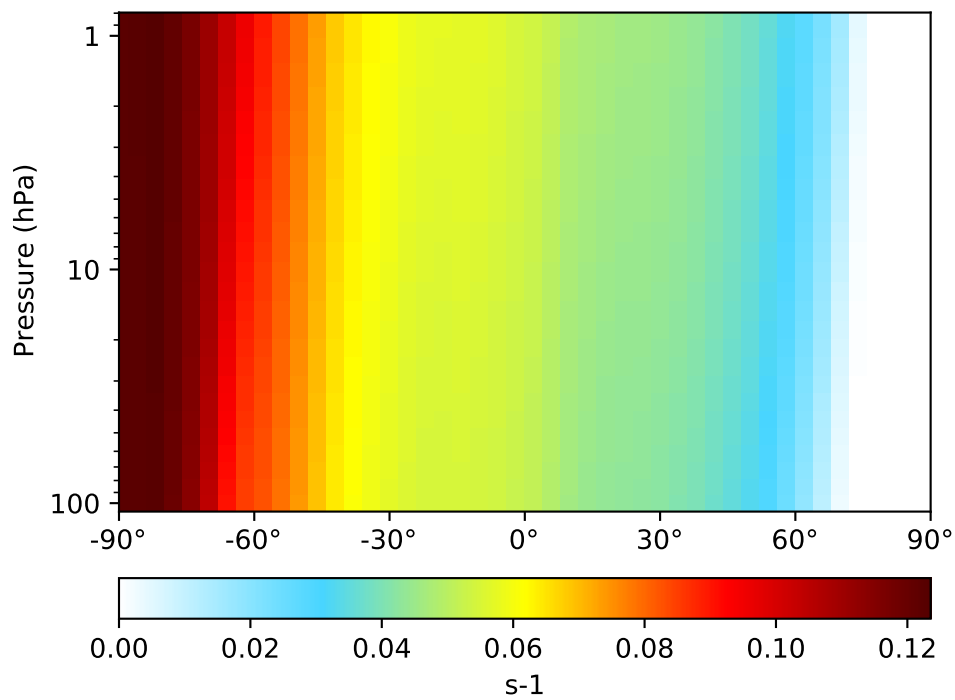


Ratio (1x1.25)
Dev/Ref, Fixed Range

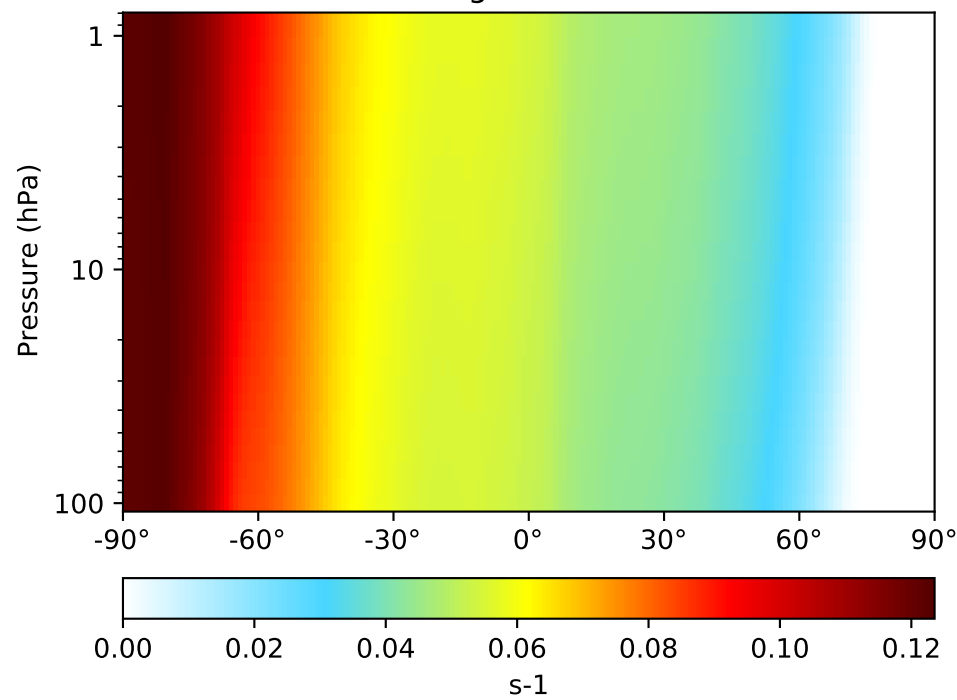


Jval_IBr, Zonal Mean (Jan2019)

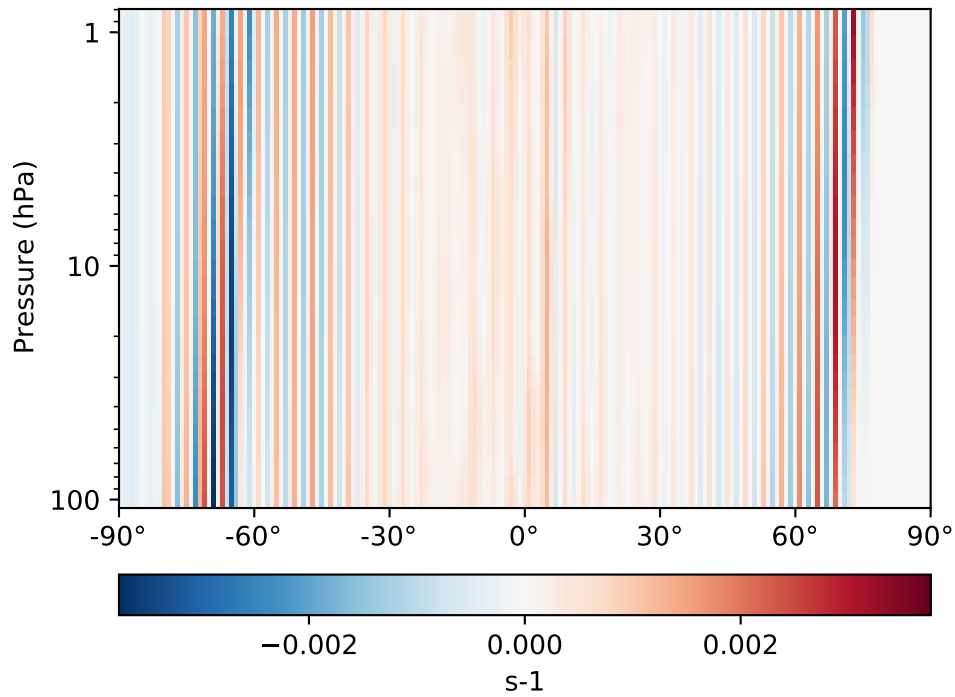
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



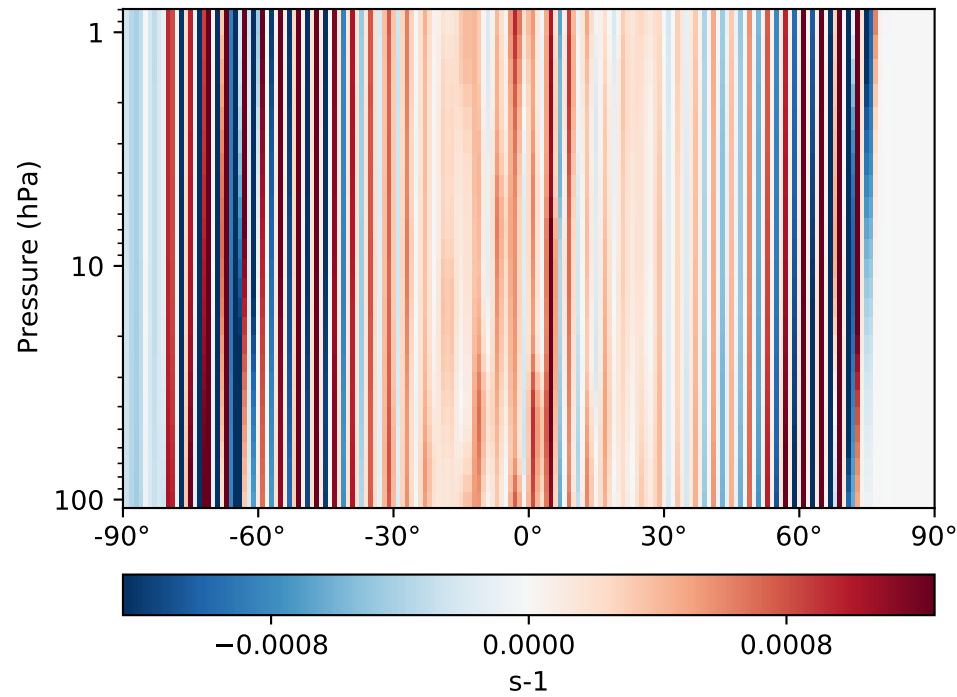
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regridged from c48



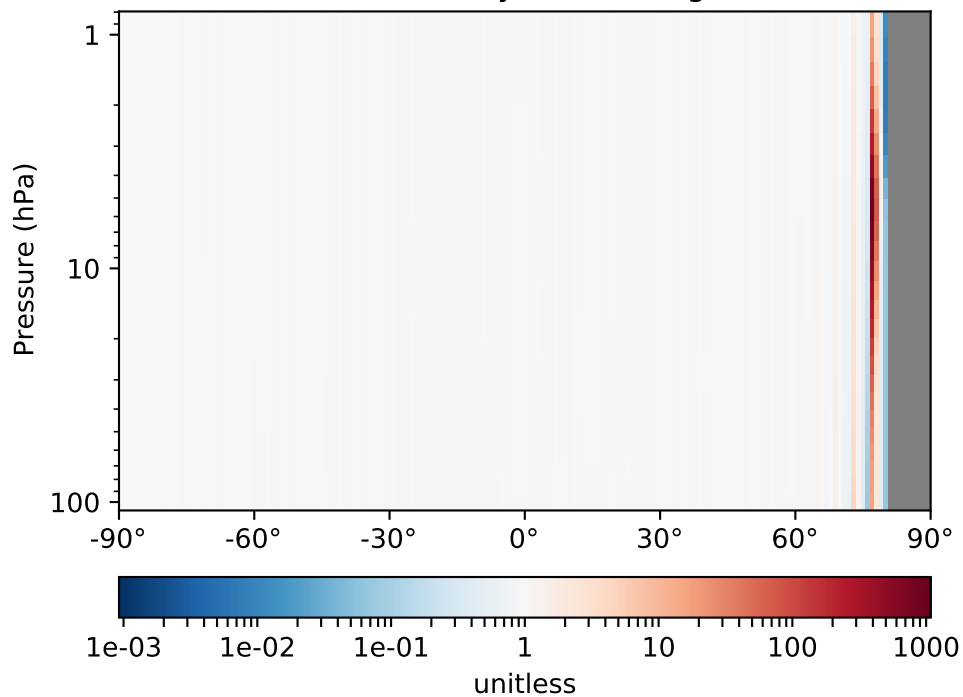
Difference (1x1.25)
Dev - Ref, Dynamic Range



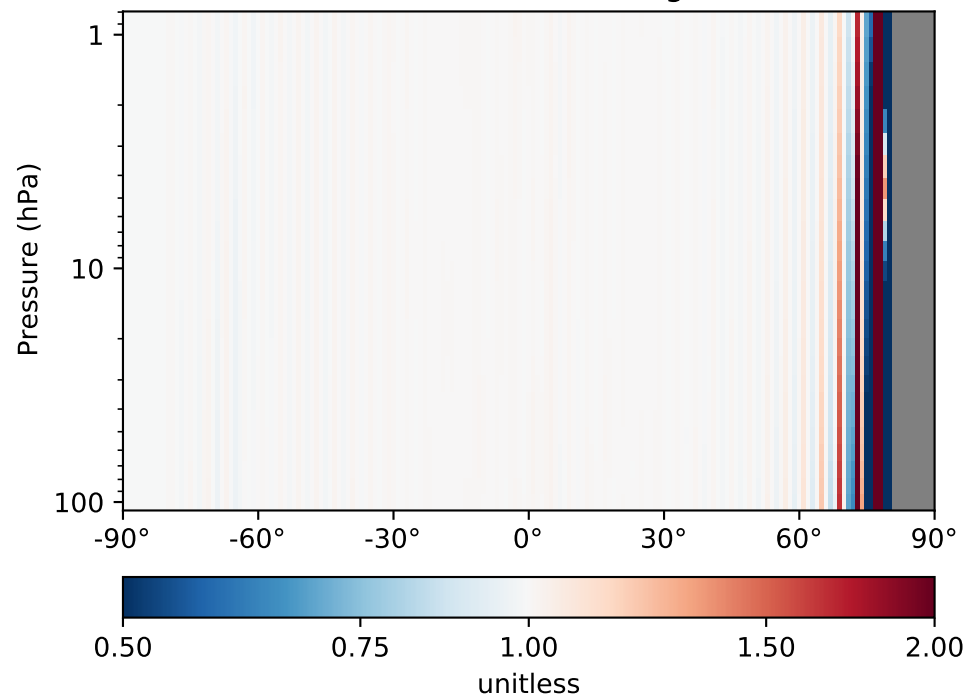
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

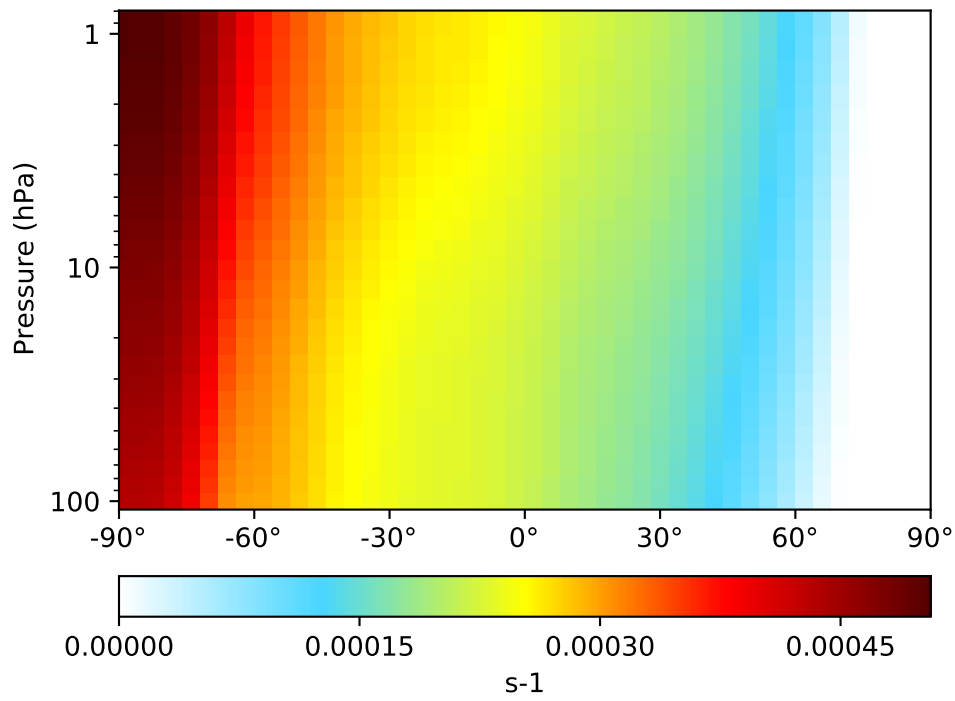


Ratio (1x1.25)
Dev/Ref, Fixed Range

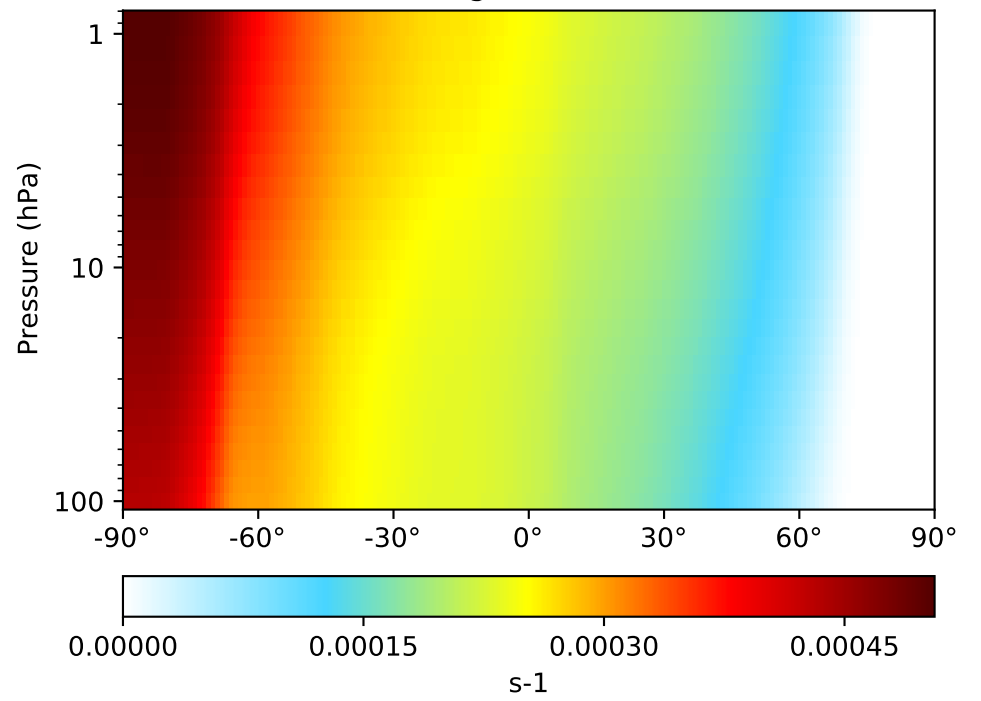


Jval_ICN, Zonal Mean (Jan2019)

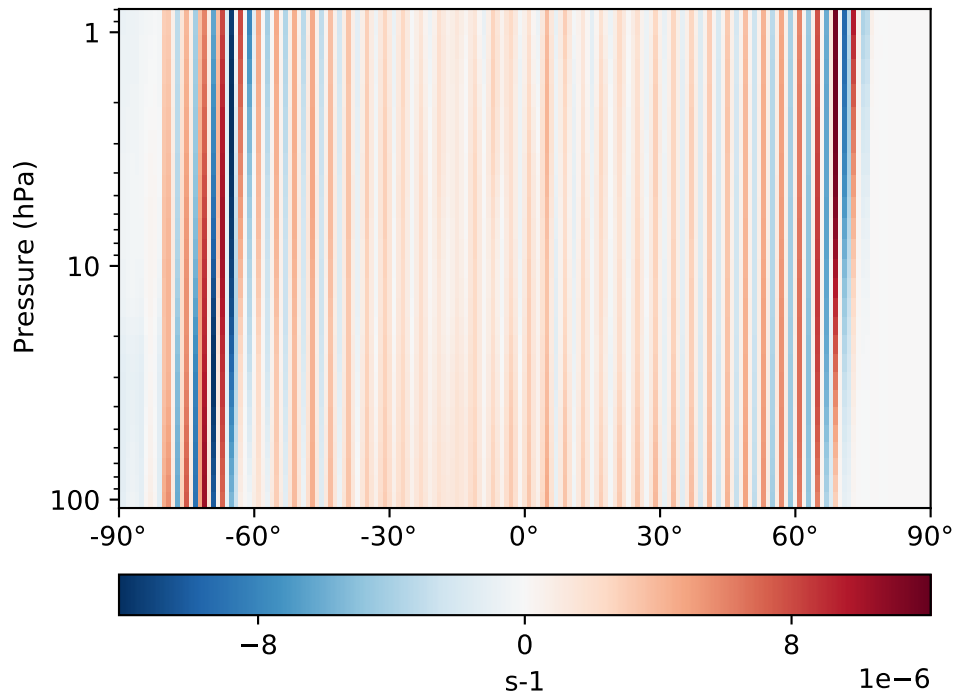
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



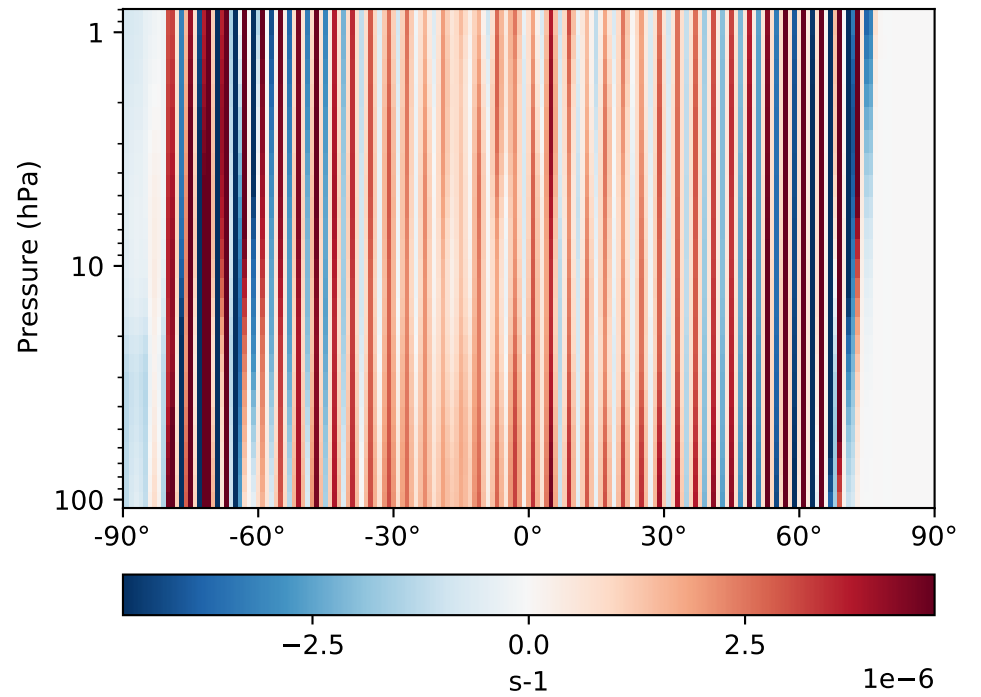
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



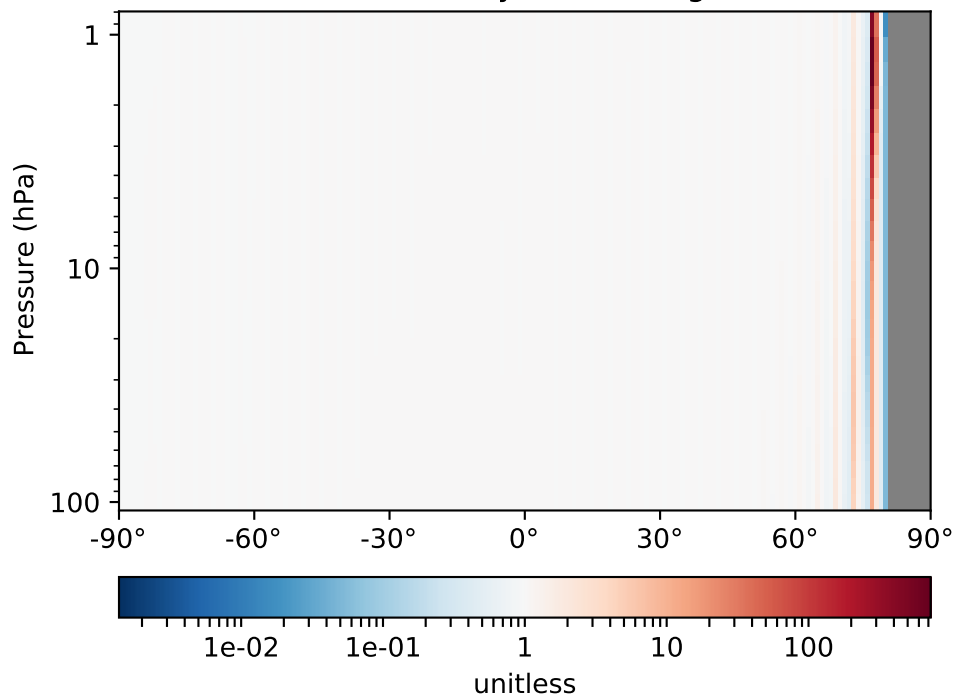
Difference (1x1.25)
Dev - Ref, Dynamic Range



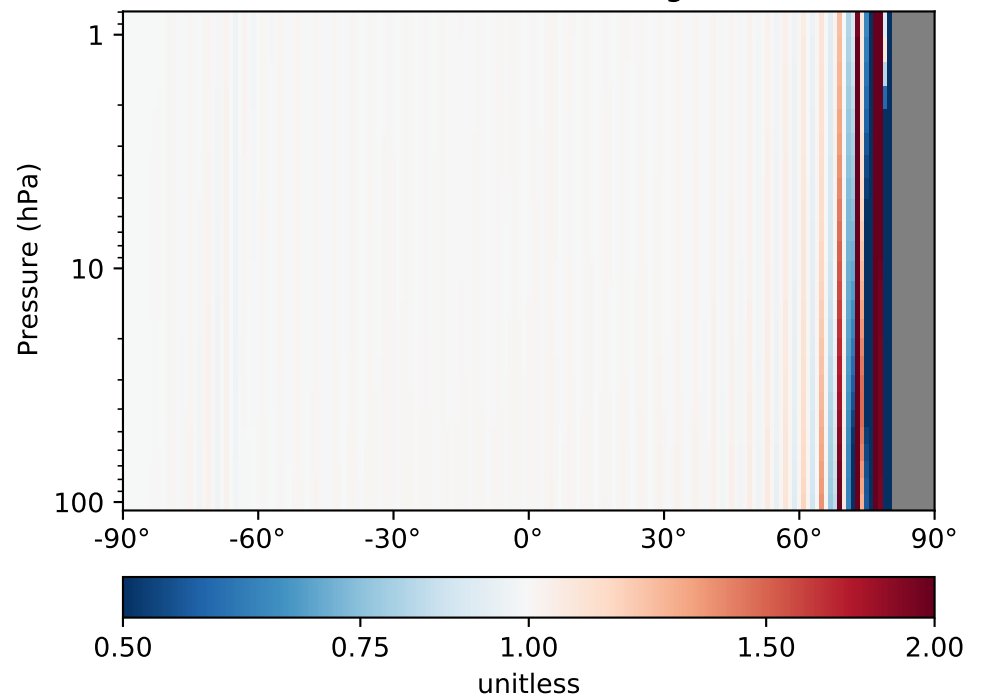
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

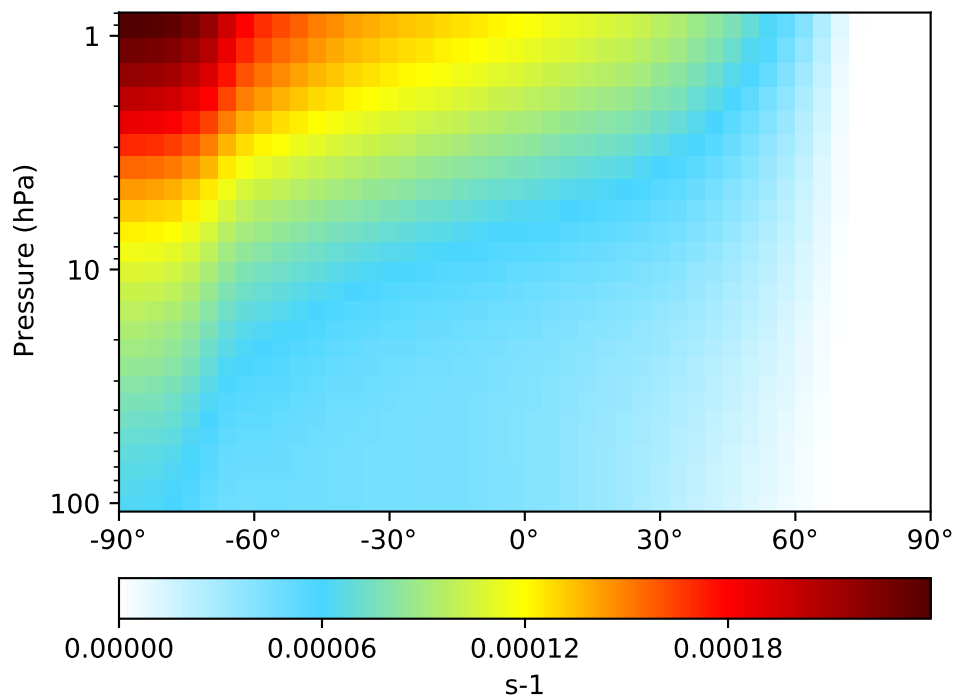


Ratio (1x1.25)
Dev/Ref, Fixed Range

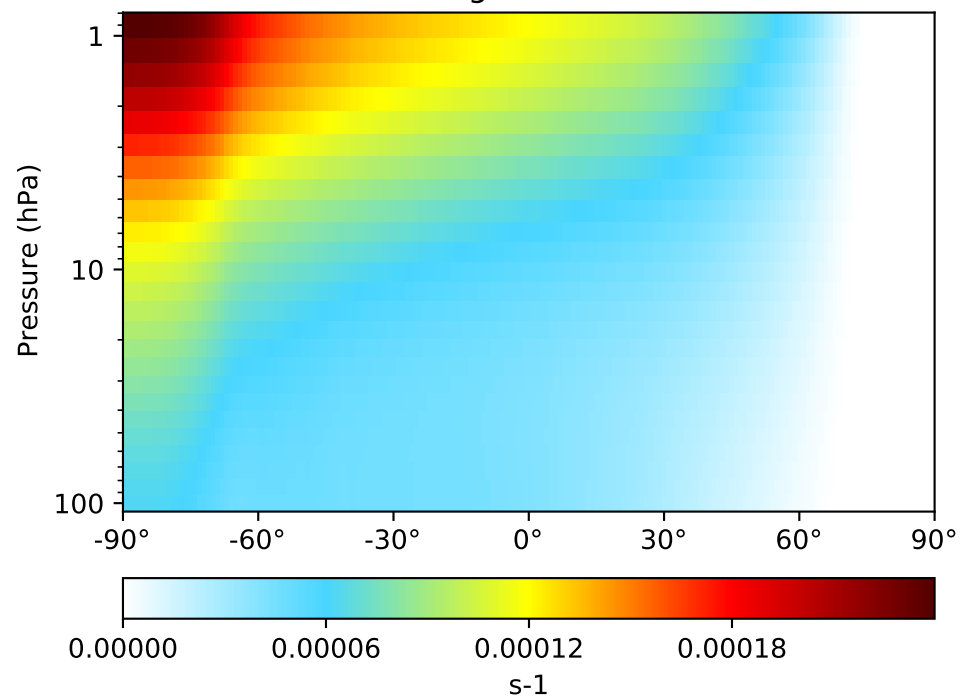


Jval_ICPDH, Zonal Mean (Jan2019)

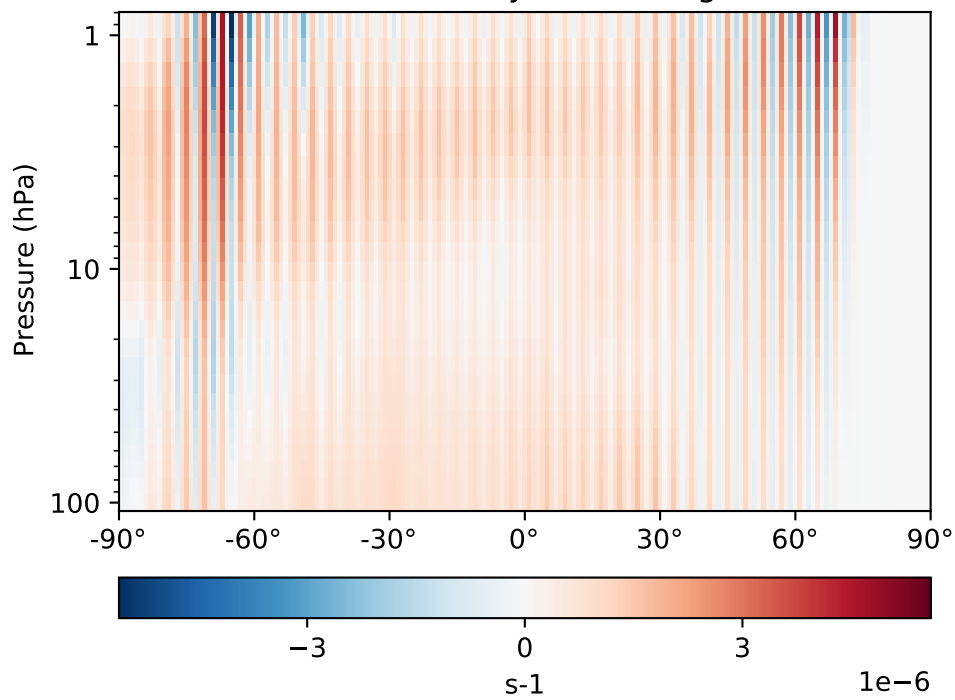
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



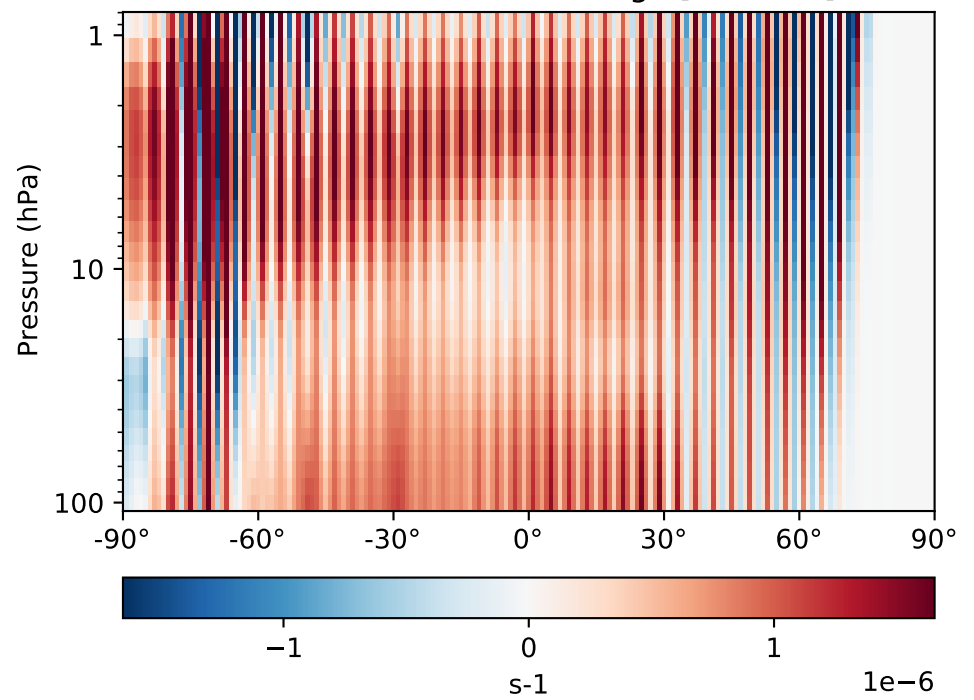
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



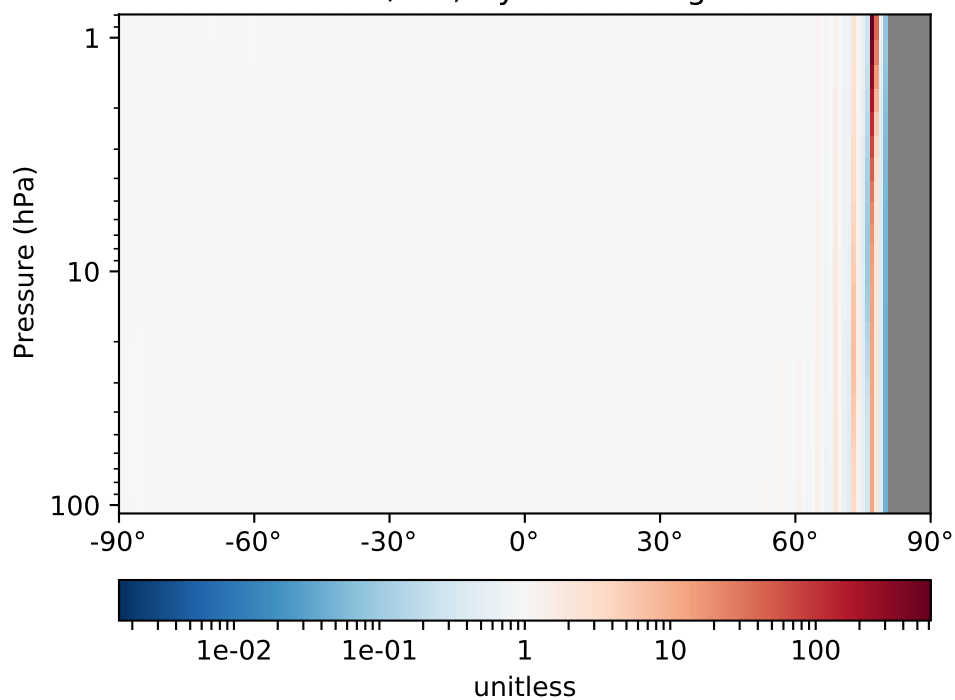
Difference (1x1.25)
Dev - Ref, Dynamic Range



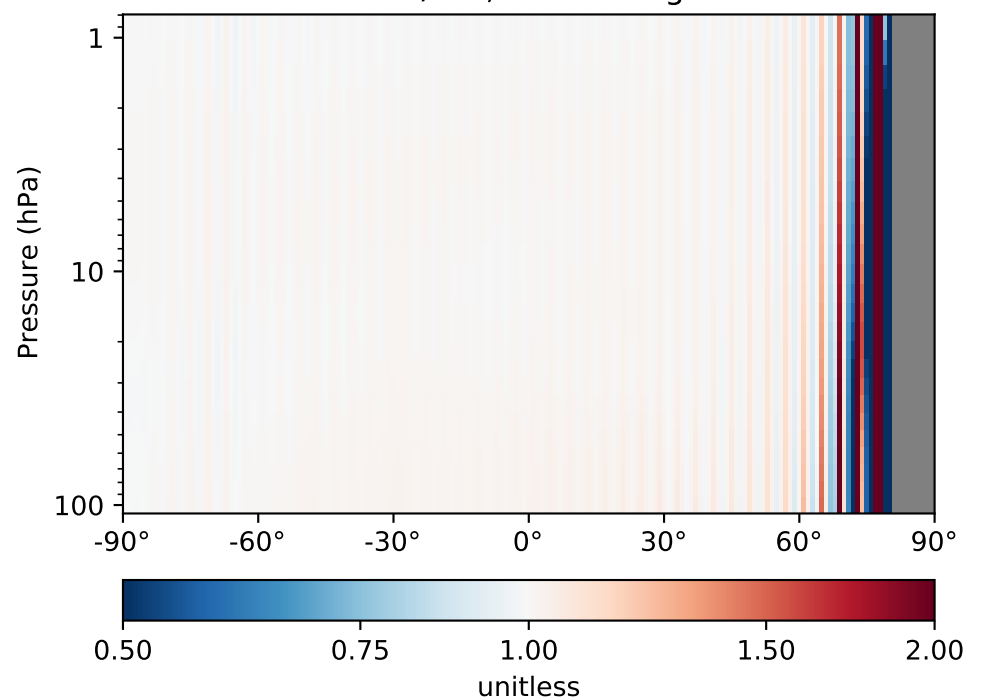
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

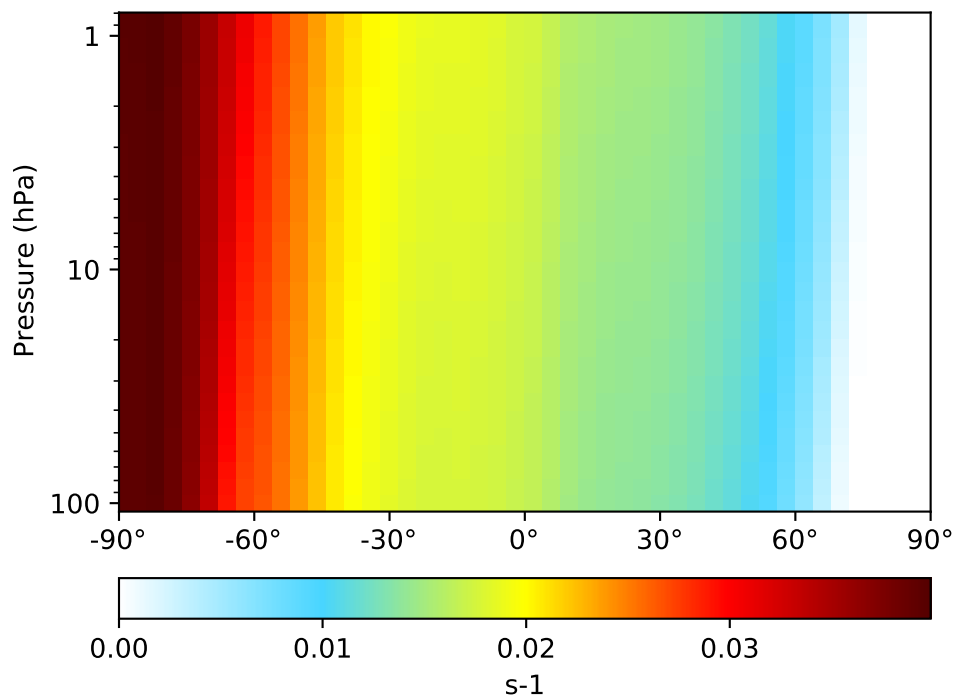


Ratio (1x1.25)
Dev/Ref, Fixed Range

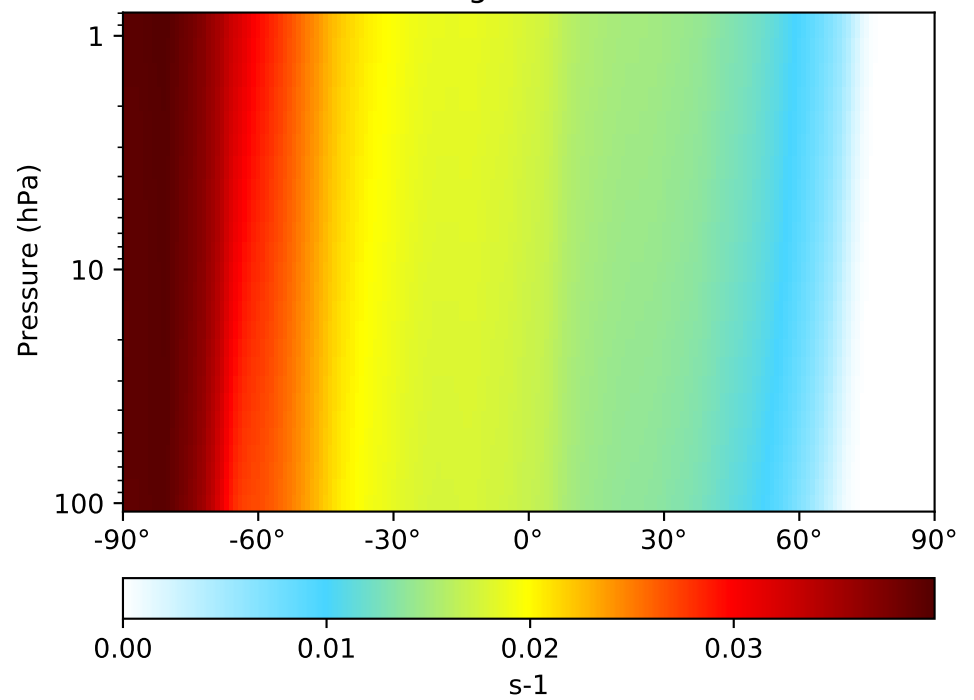


Jval_ICI, Zonal Mean (Jan2019)

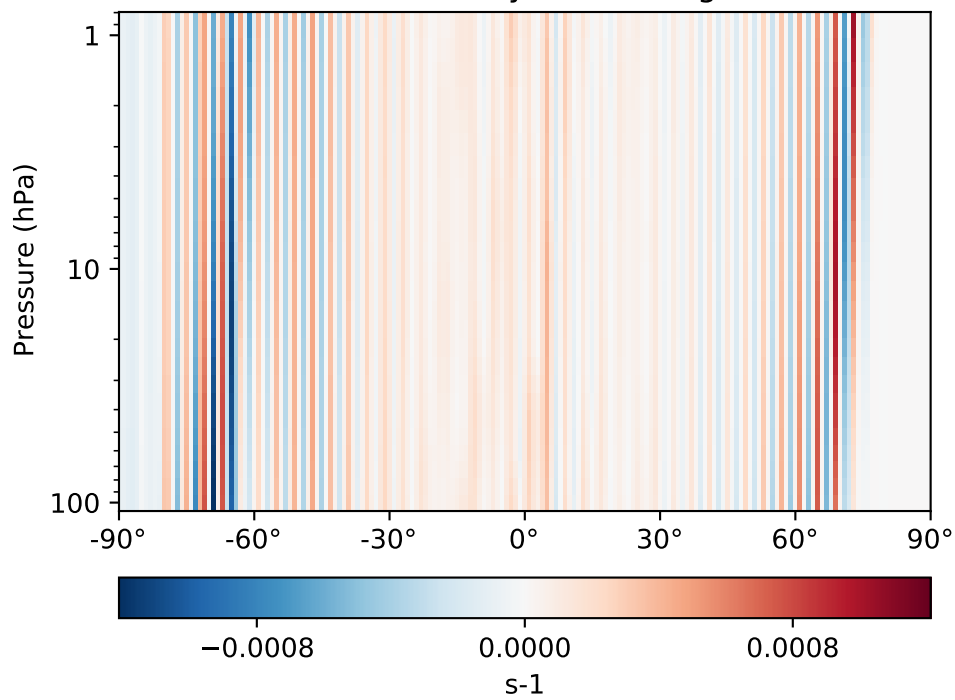
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



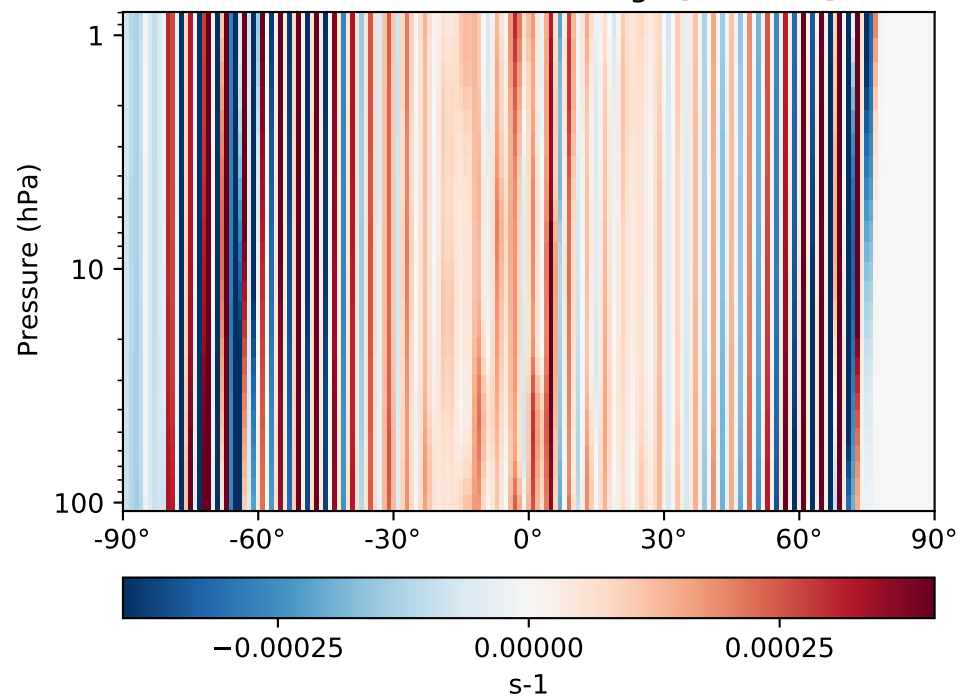
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



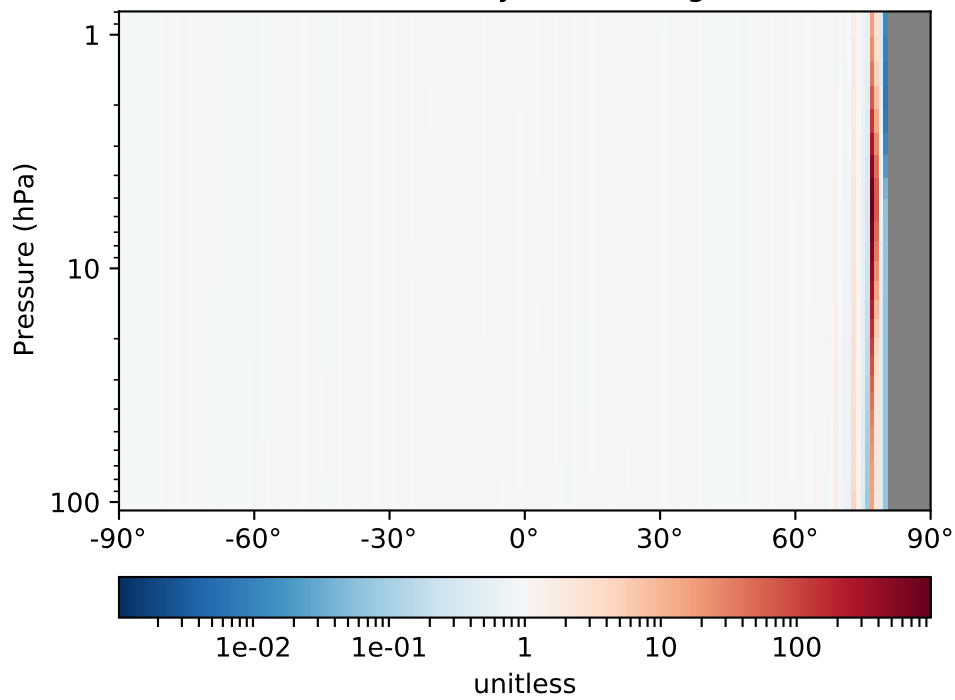
Difference (1x1.25)
Dev - Ref, Dynamic Range



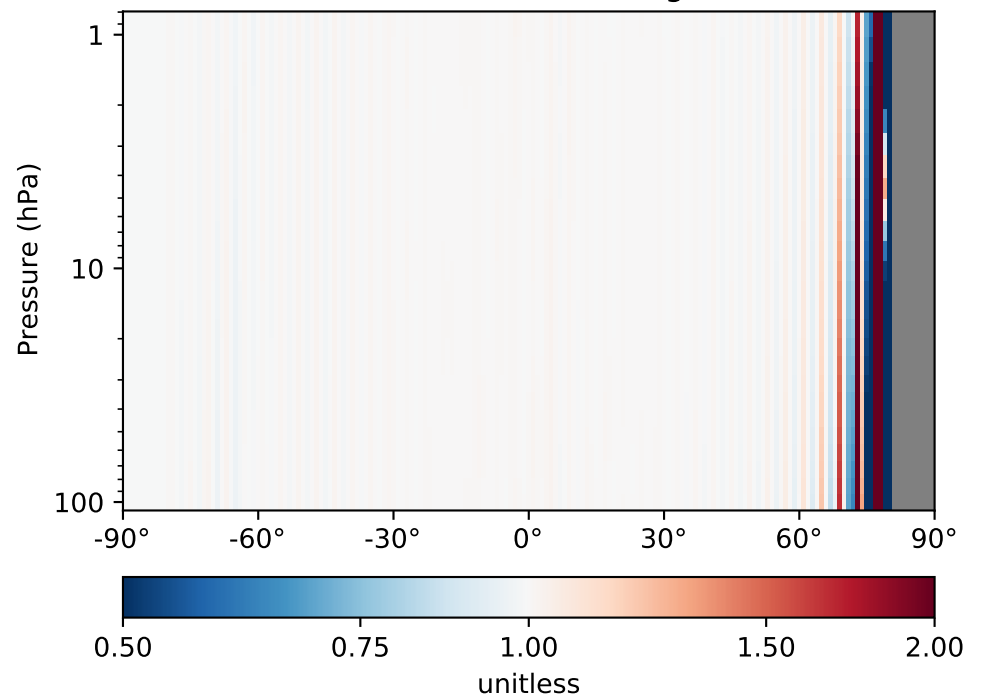
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

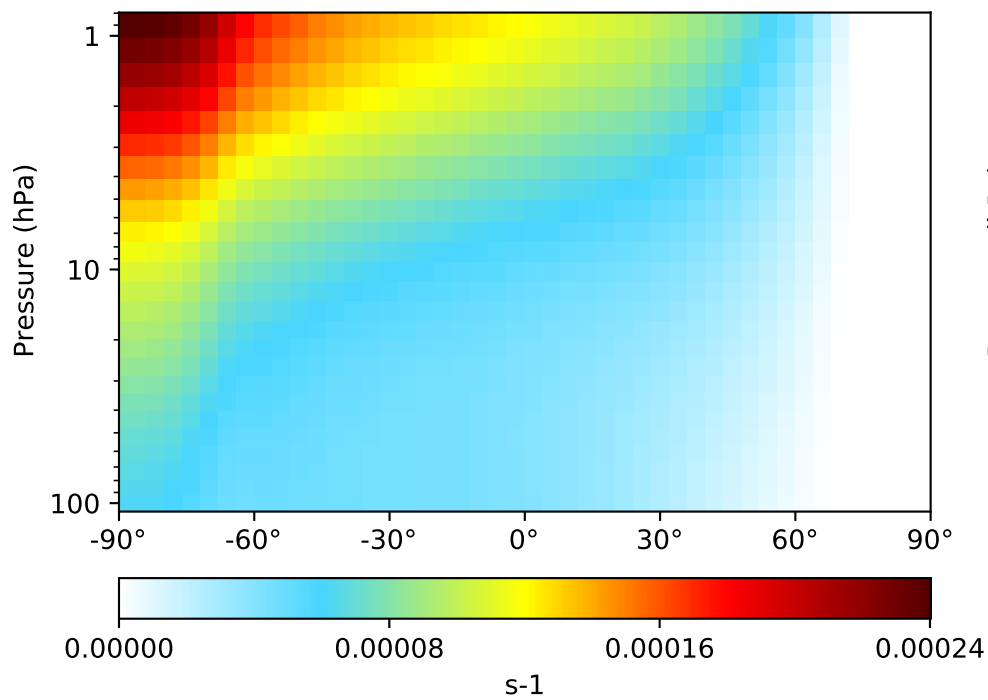


Ratio (1x1.25)
Dev/Ref, Fixed Range

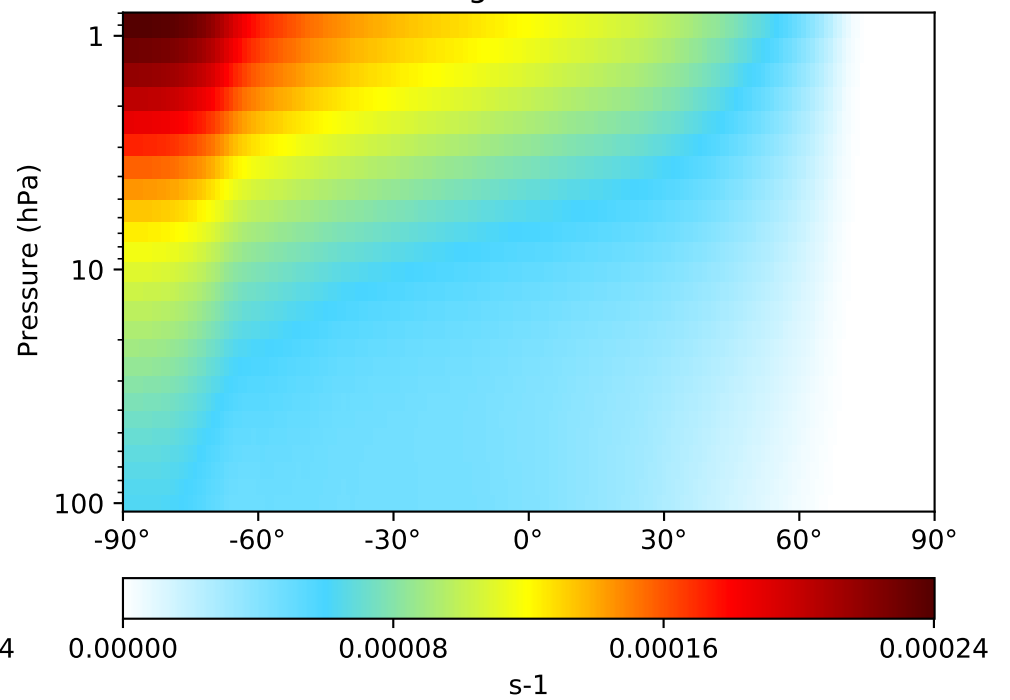


Jval_IDCHP, Zonal Mean (Jan2019)

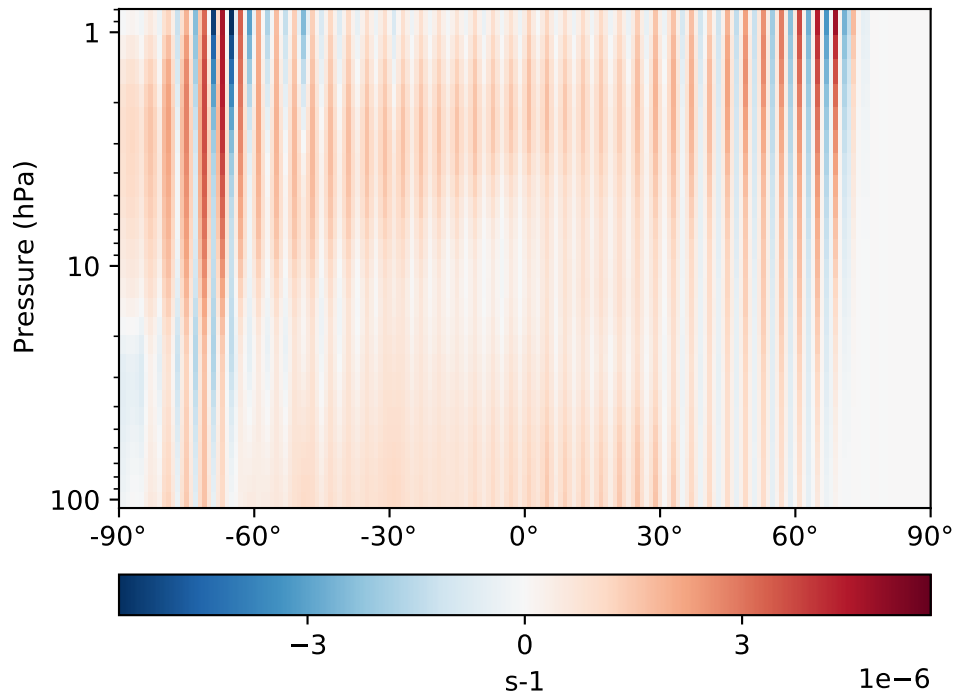
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



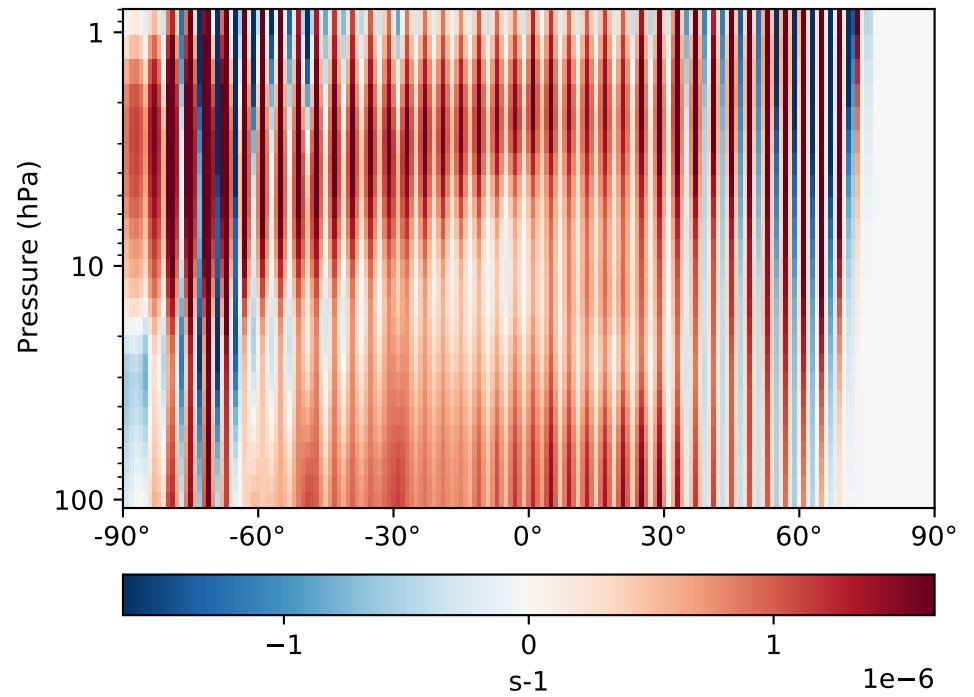
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



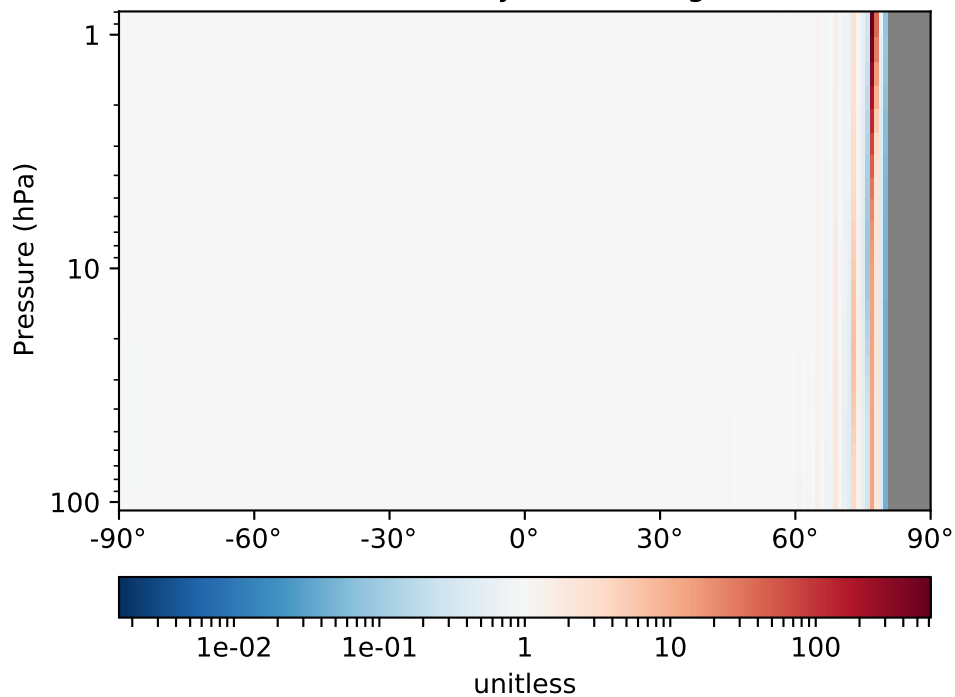
Difference (1x1.25)
Dev - Ref, Dynamic Range



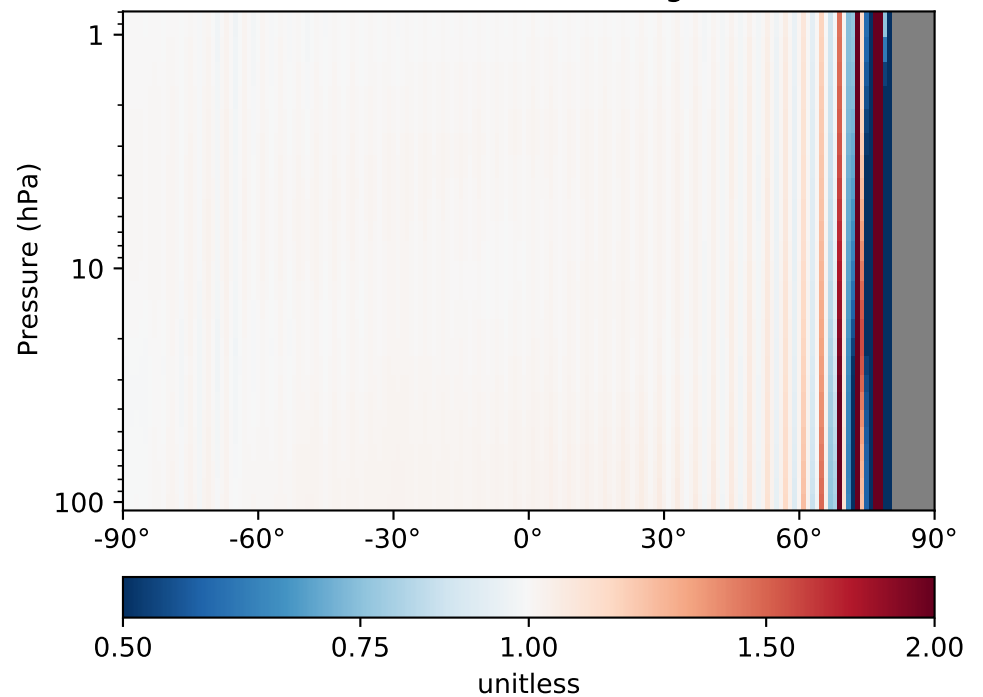
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

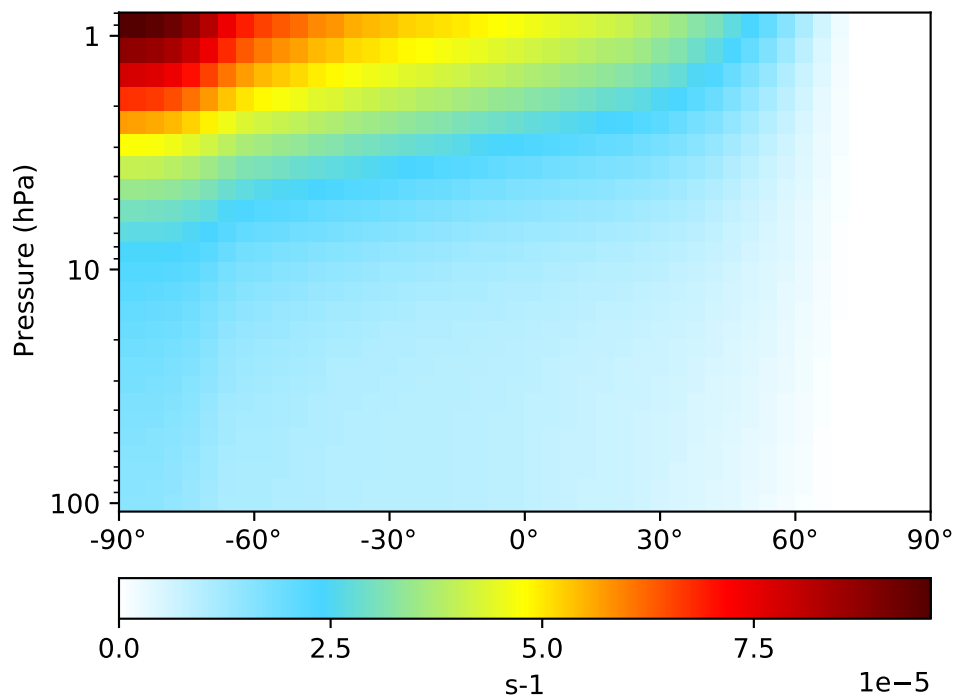


Ratio (1x1.25)
Dev/Ref, Fixed Range

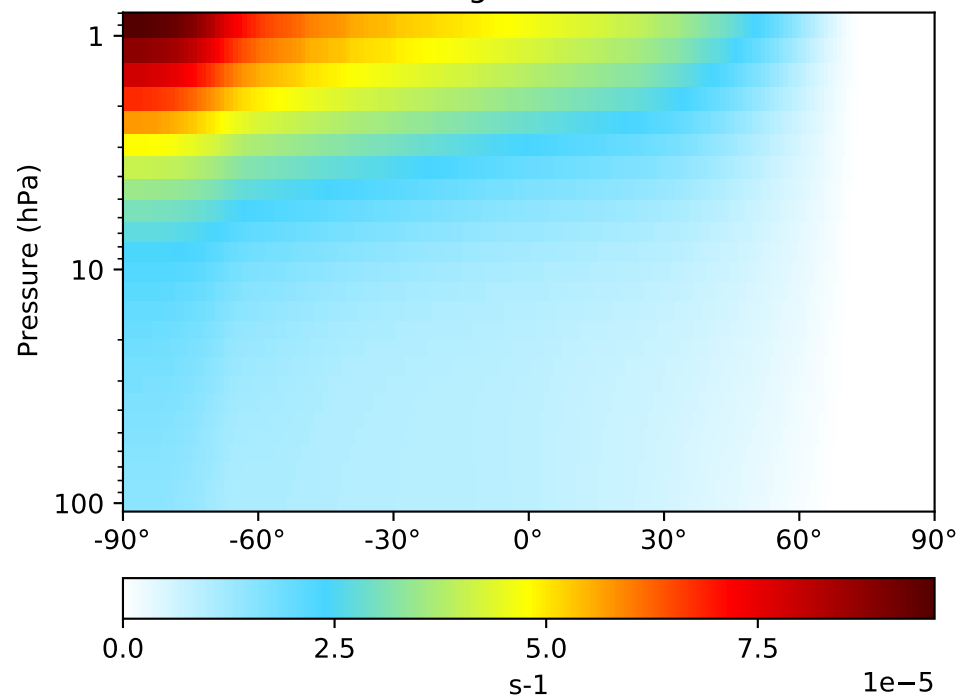


Jval_IDHDP, Zonal Mean (Jan2019)

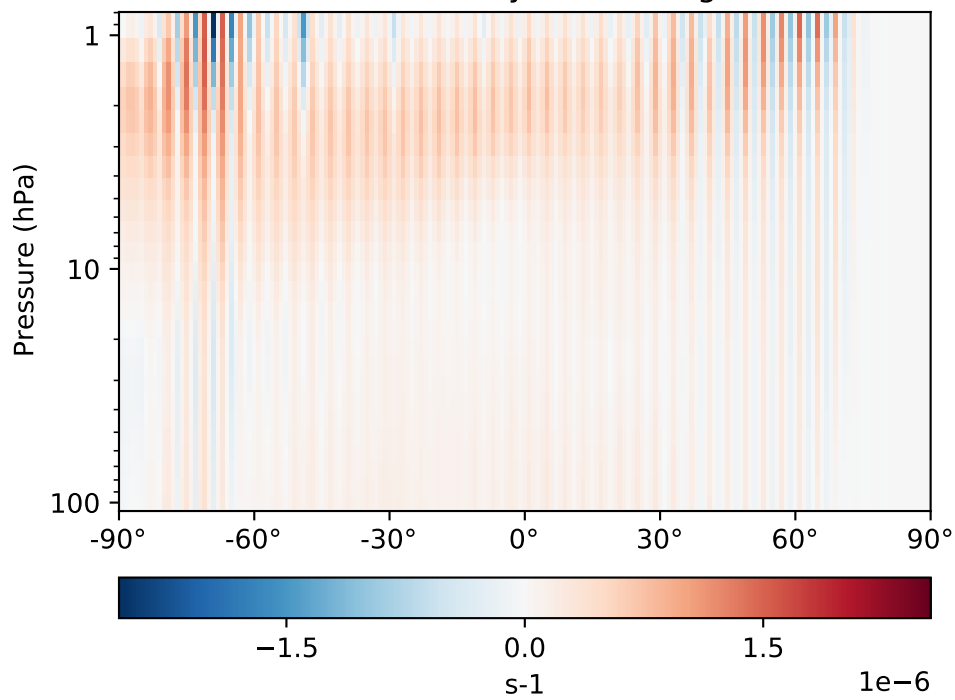
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



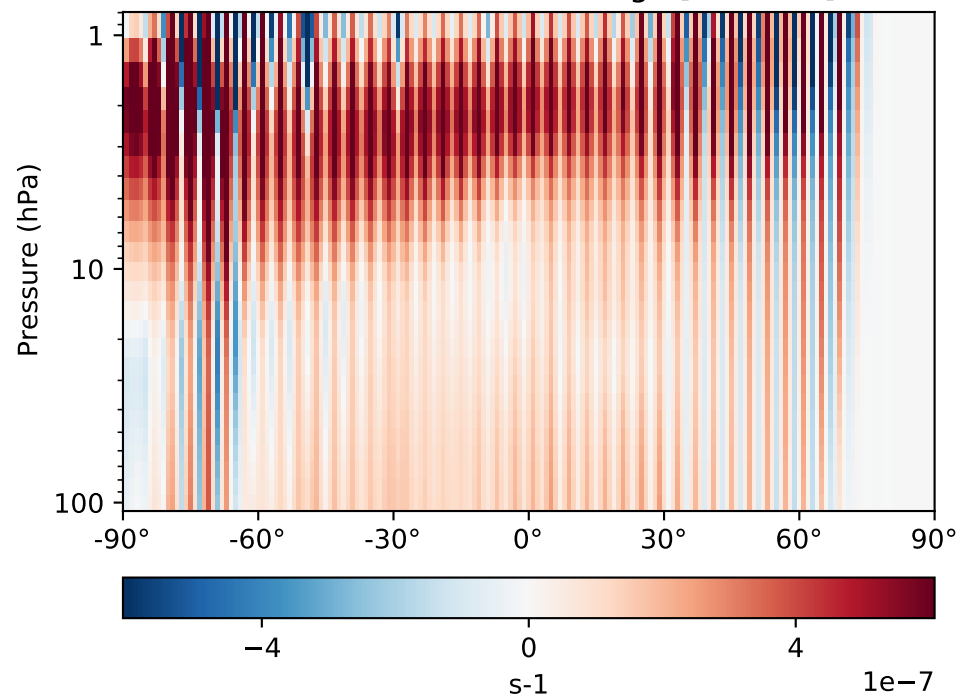
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



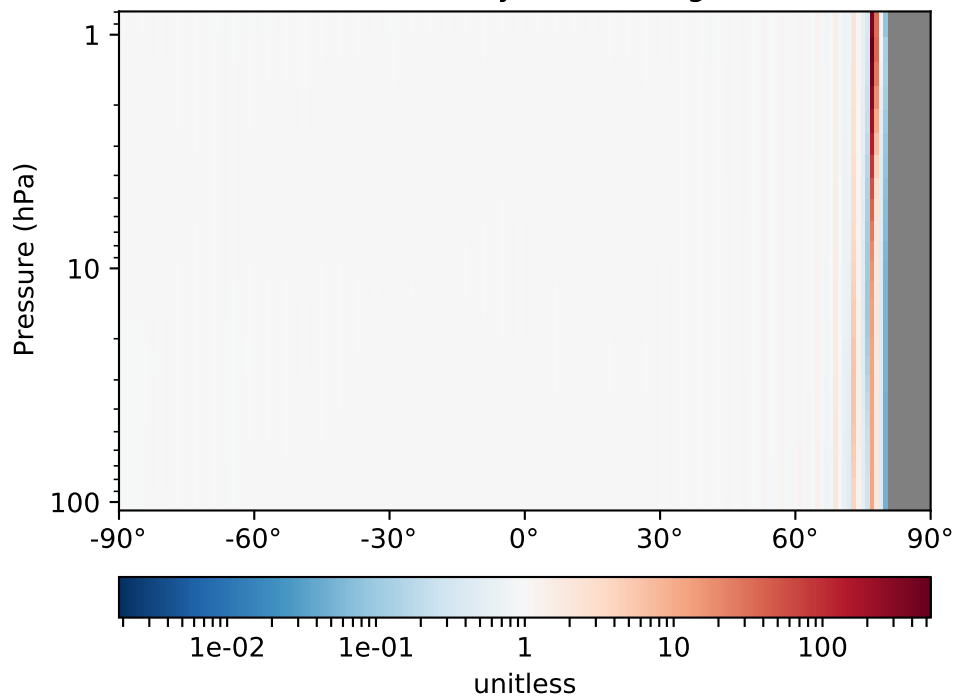
Difference (1x1.25)
Dev - Ref, Dynamic Range



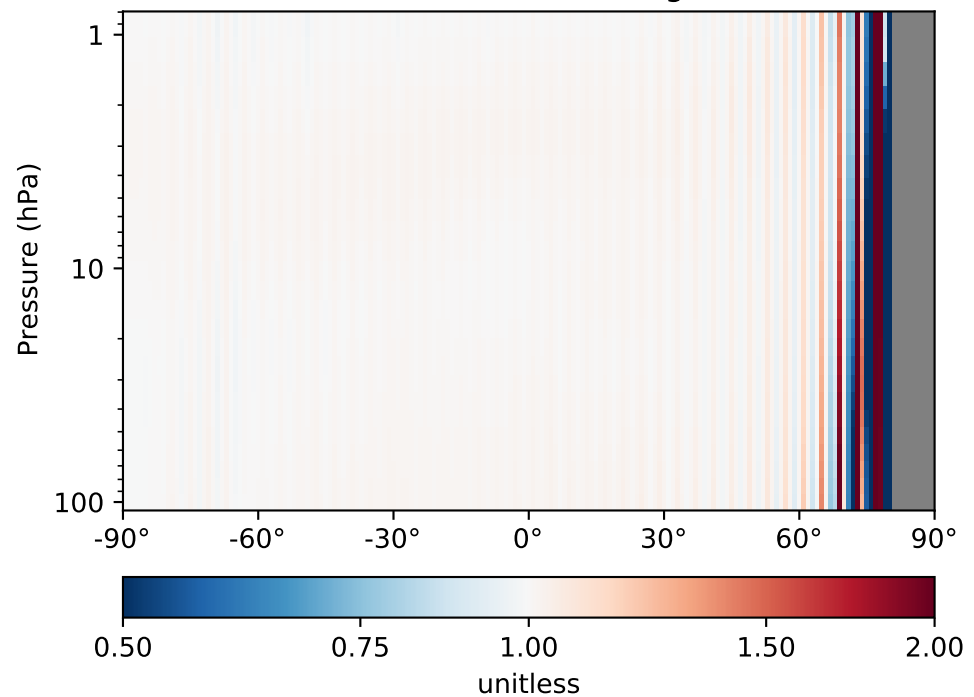
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

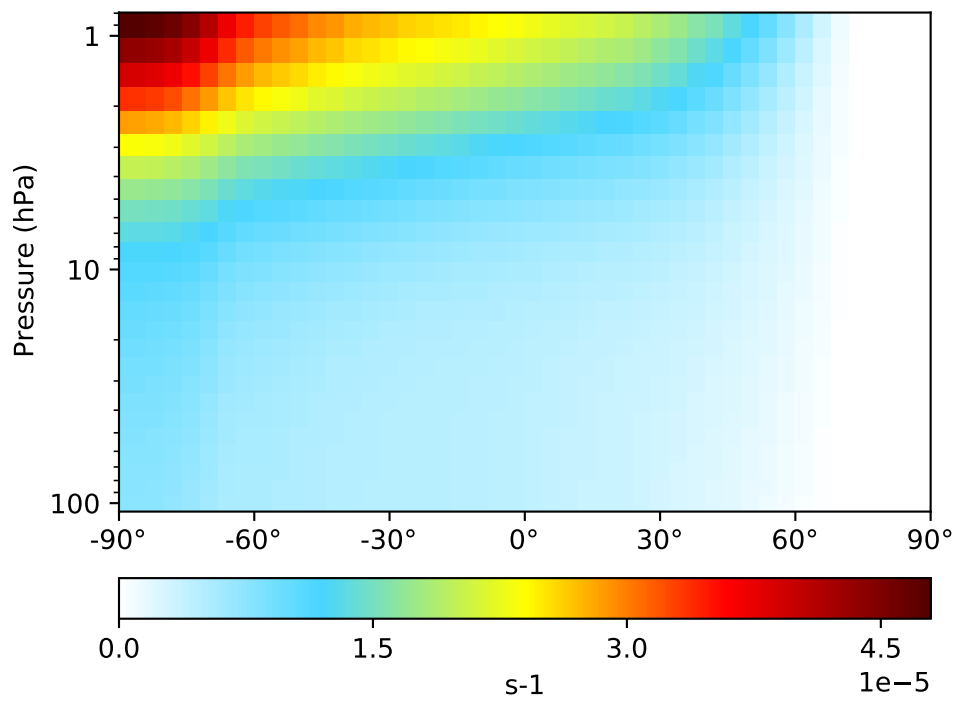


Ratio (1x1.25)
Dev/Ref, Fixed Range

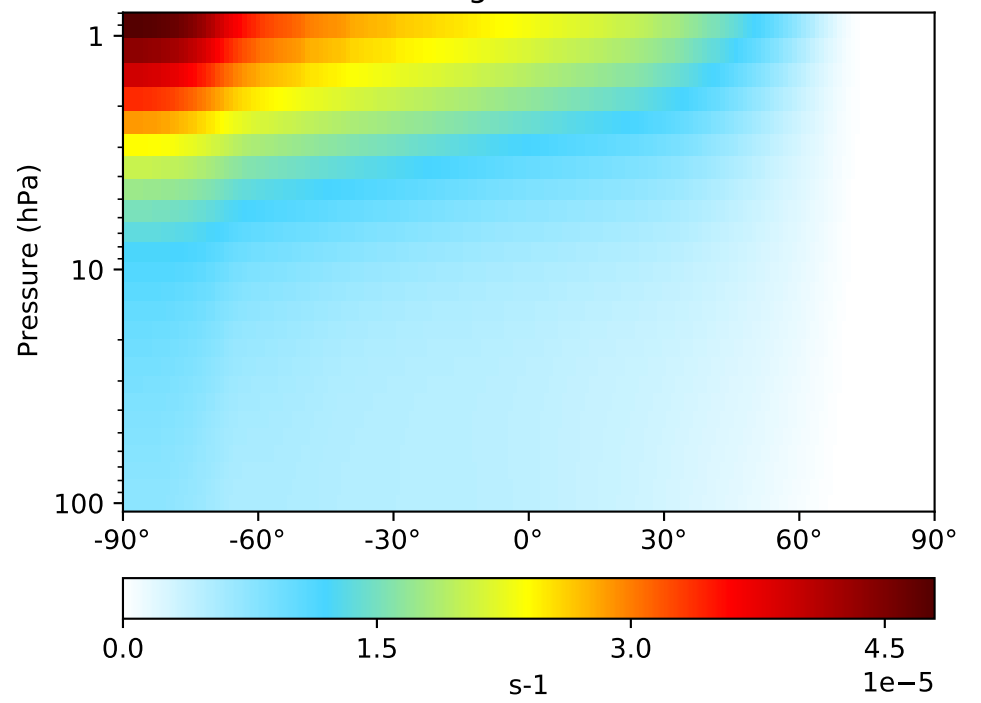


Jval_IDHPE, Zonal Mean (Jan2019)

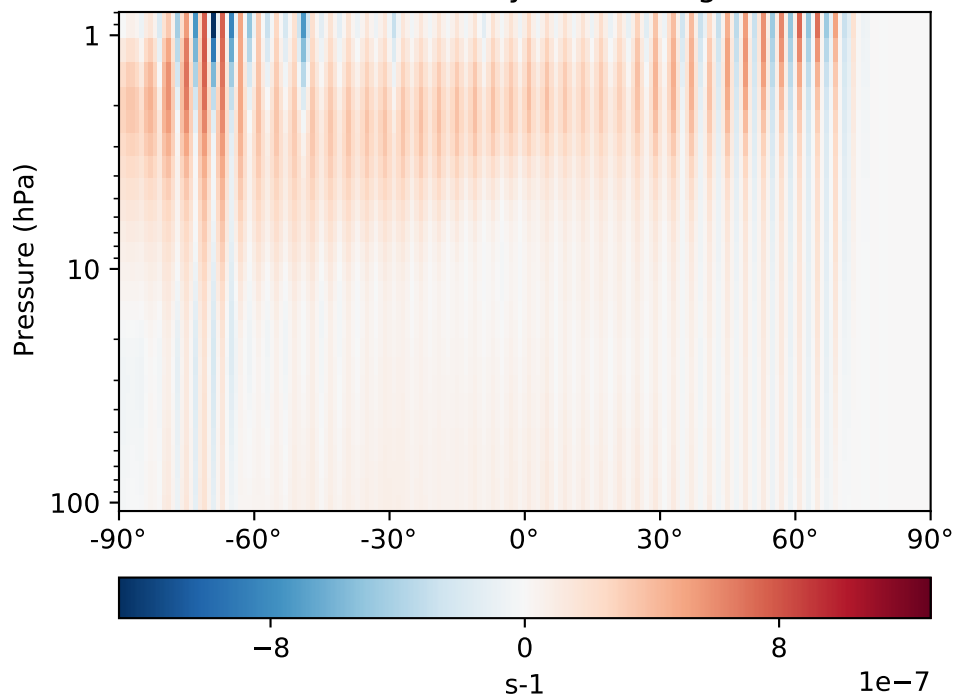
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



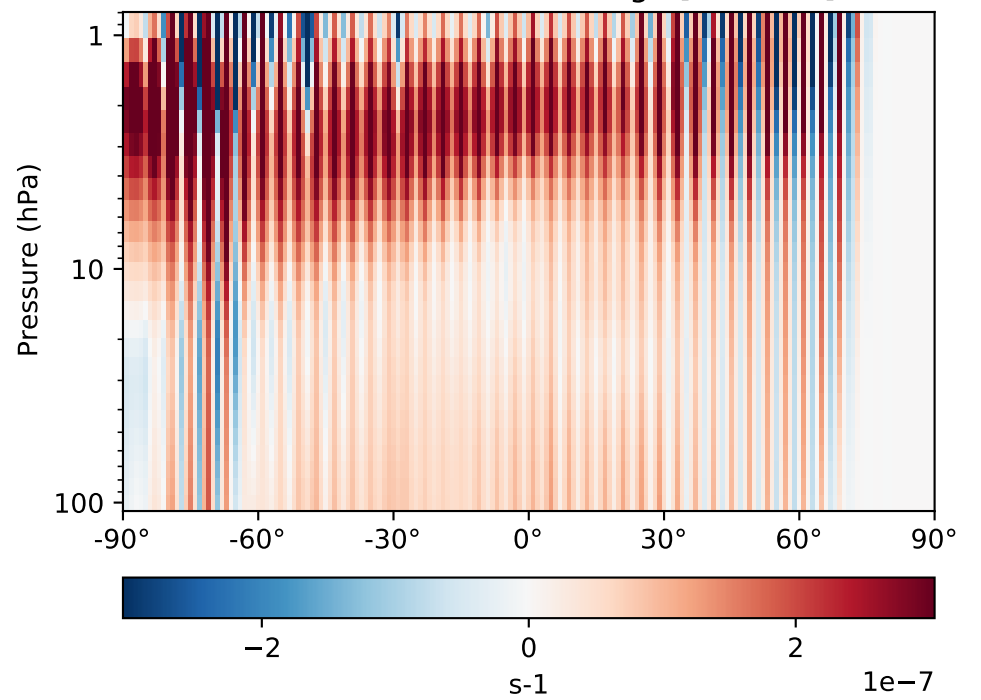
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regridged from c48



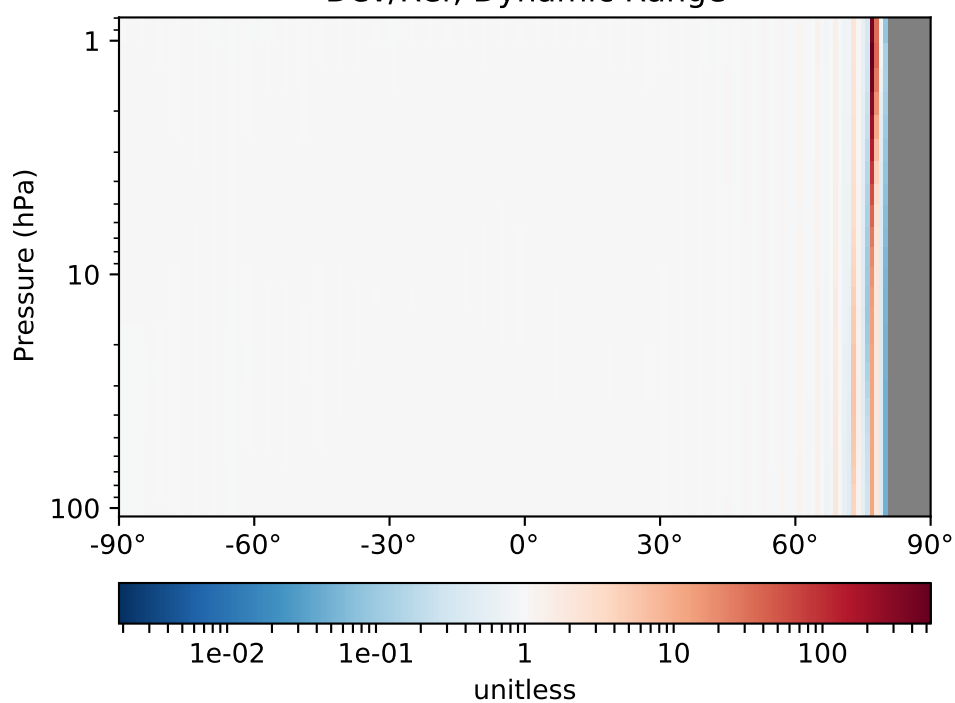
Difference (1x1.25)
Dev - Ref, Dynamic Range



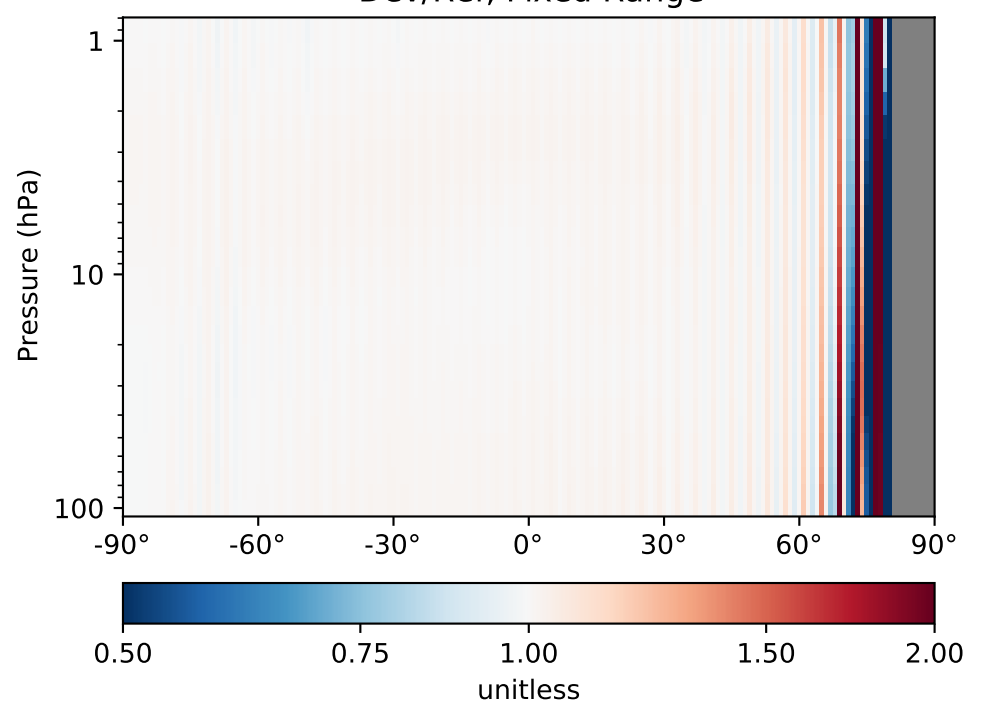
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

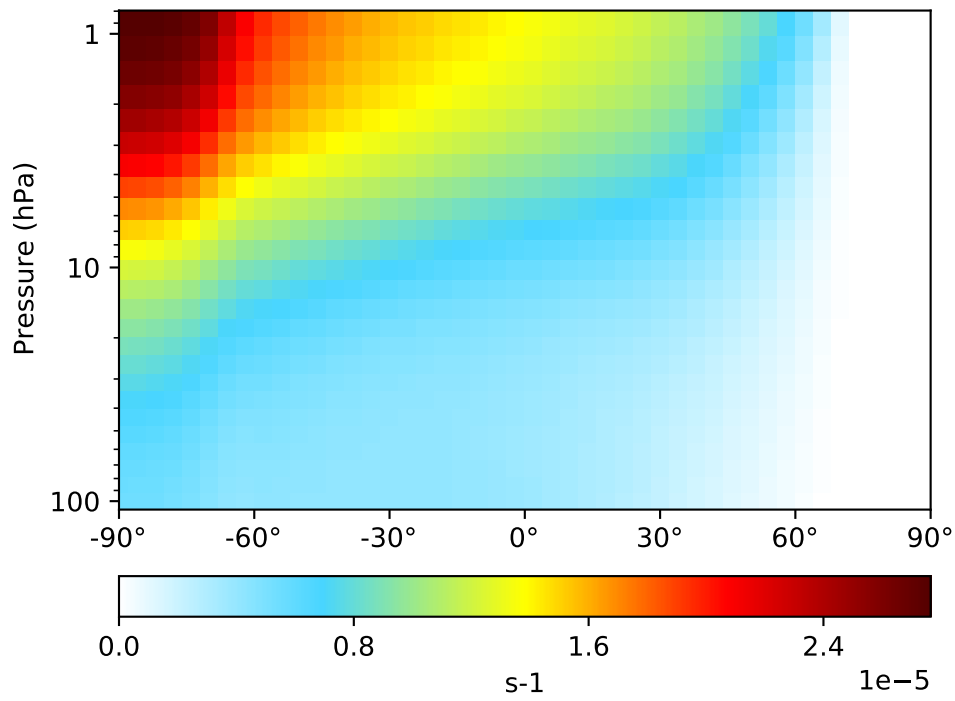


Ratio (1x1.25)
Dev/Ref, Fixed Range

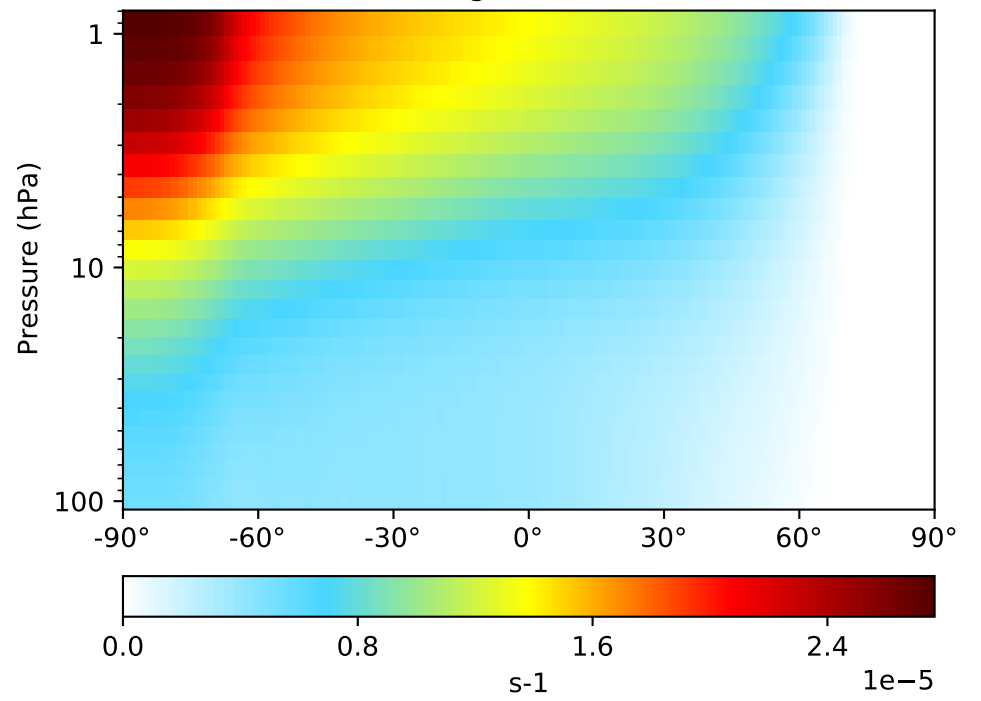


Jval_IDN, Zonal Mean (Jan2019)

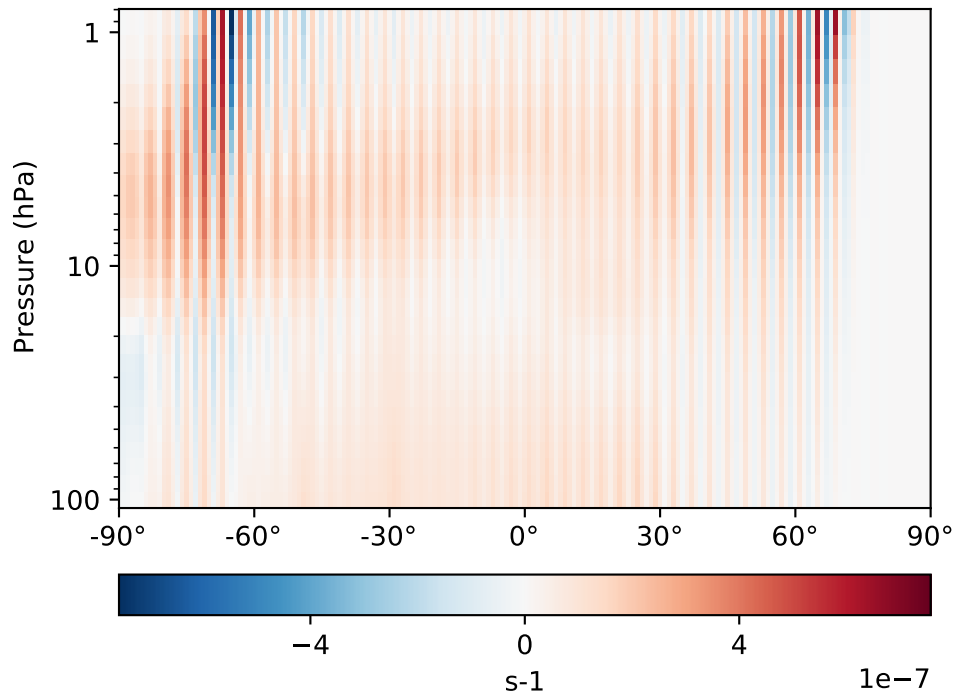
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



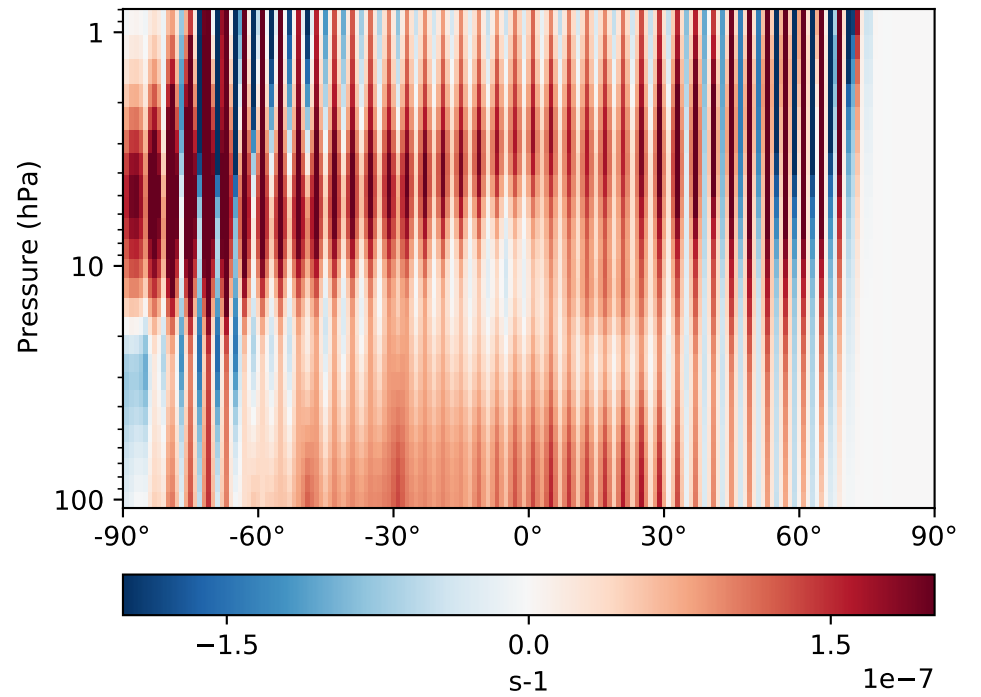
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



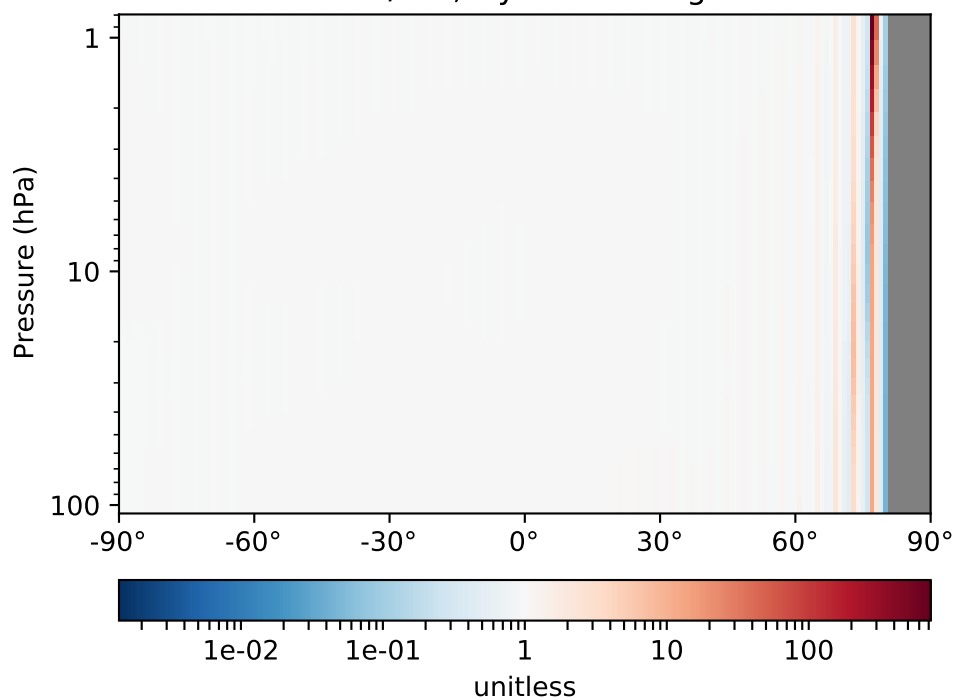
Difference (1x1.25)
Dev - Ref, Dynamic Range



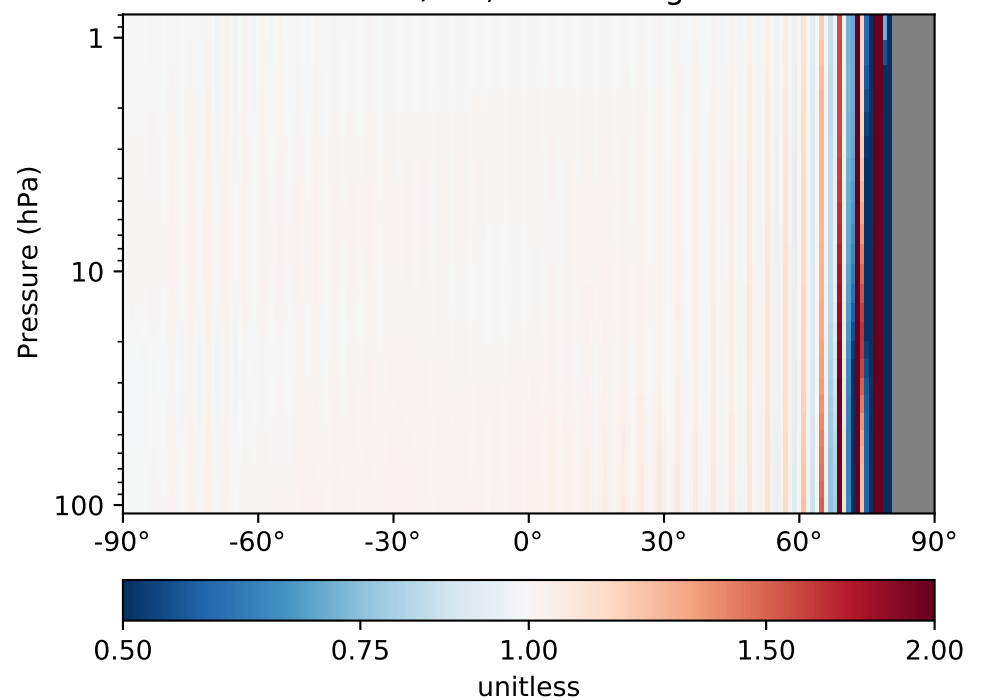
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

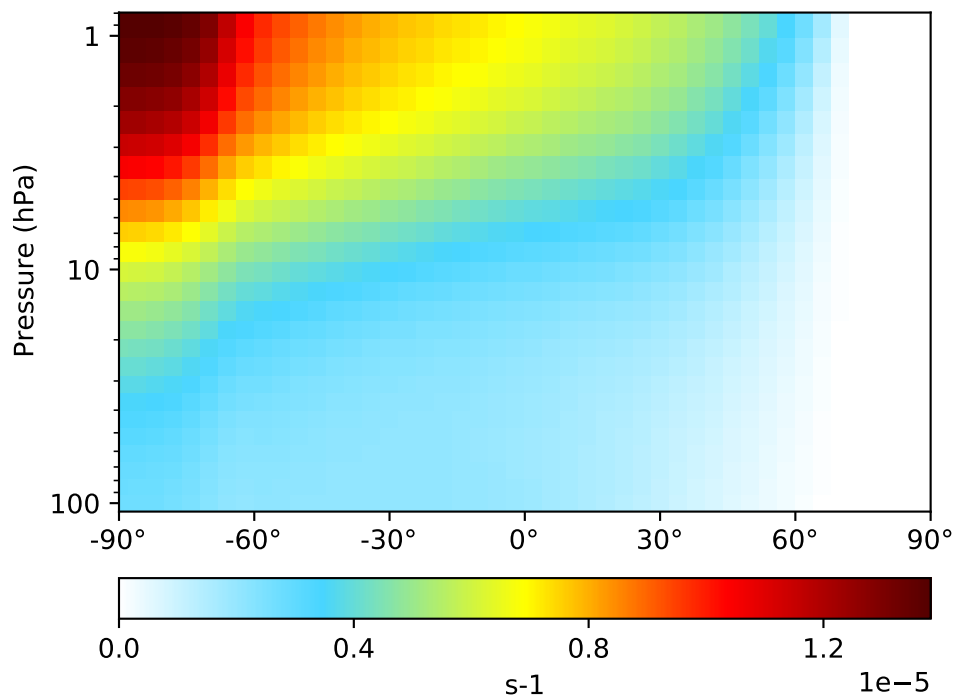


Ratio (1x1.25)
Dev/Ref, Fixed Range

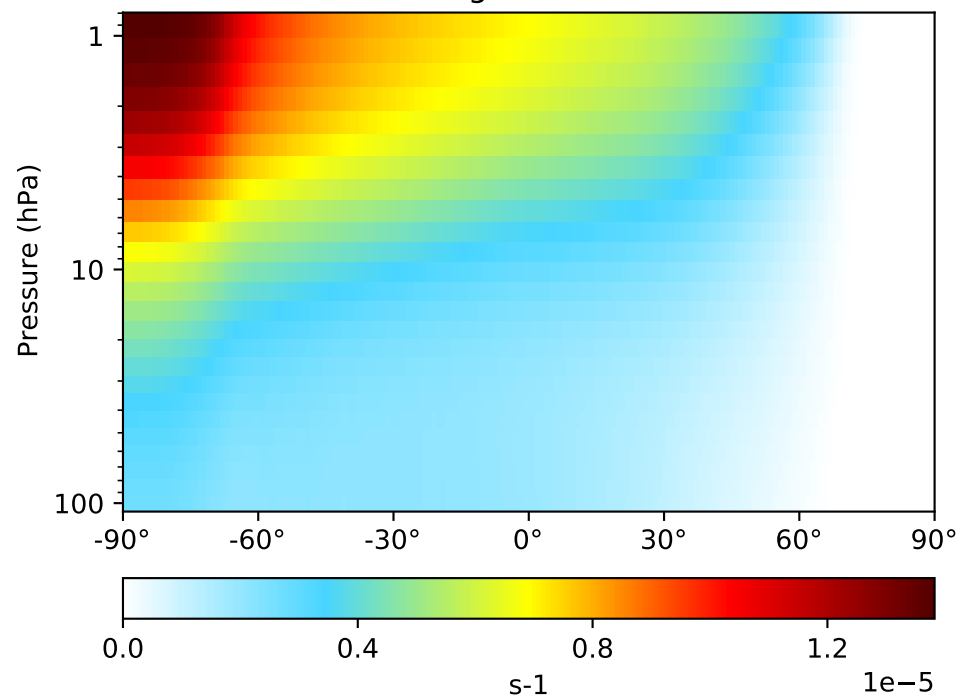


Jval_IHN1, Zonal Mean (Jan2019)

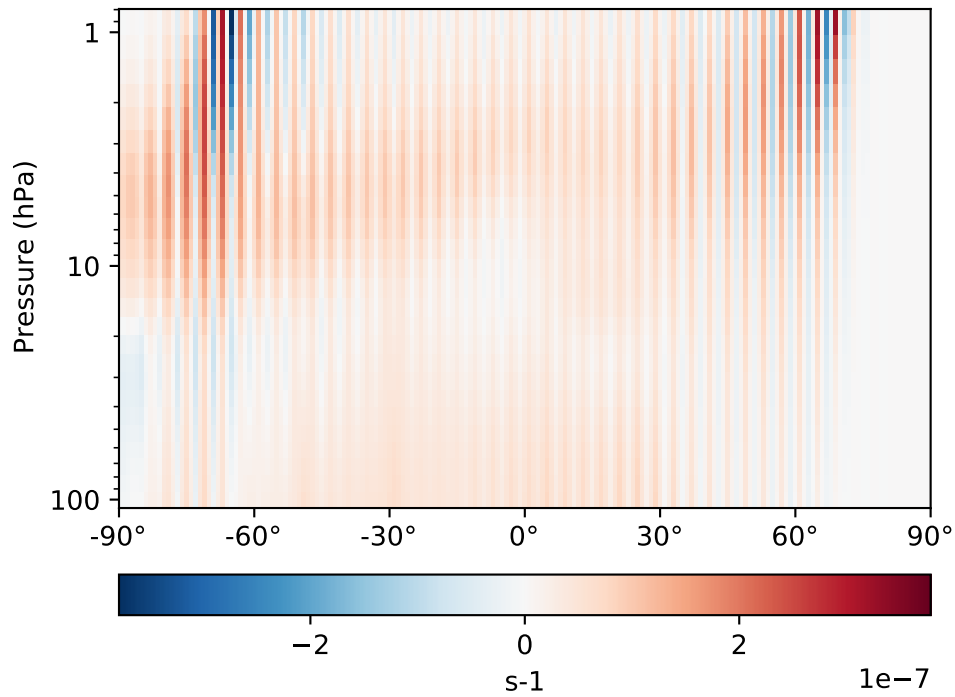
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



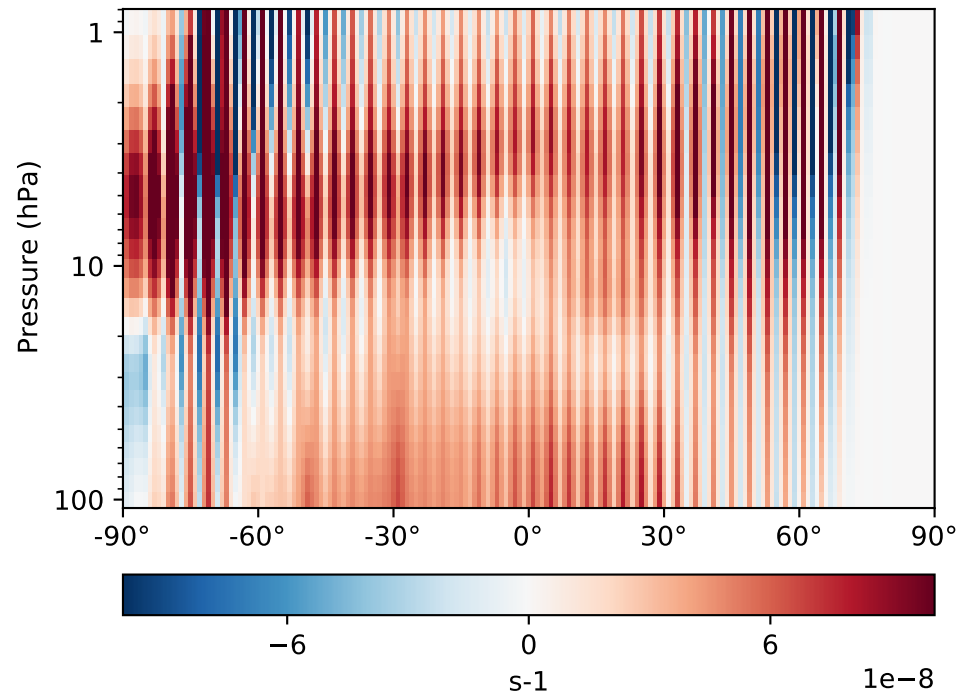
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



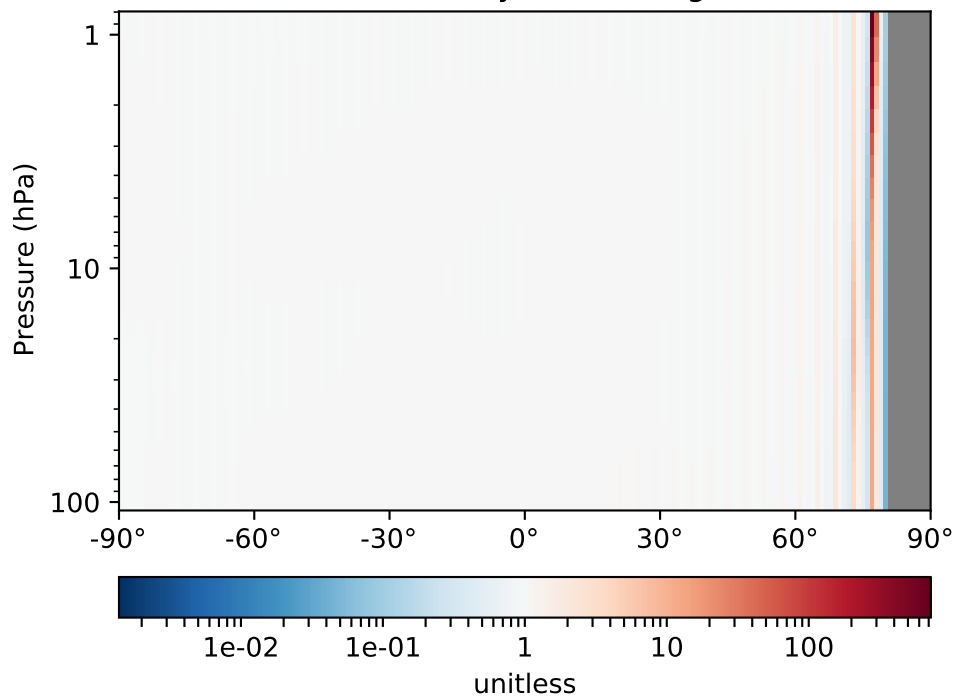
Difference (1x1.25)
Dev - Ref, Dynamic Range



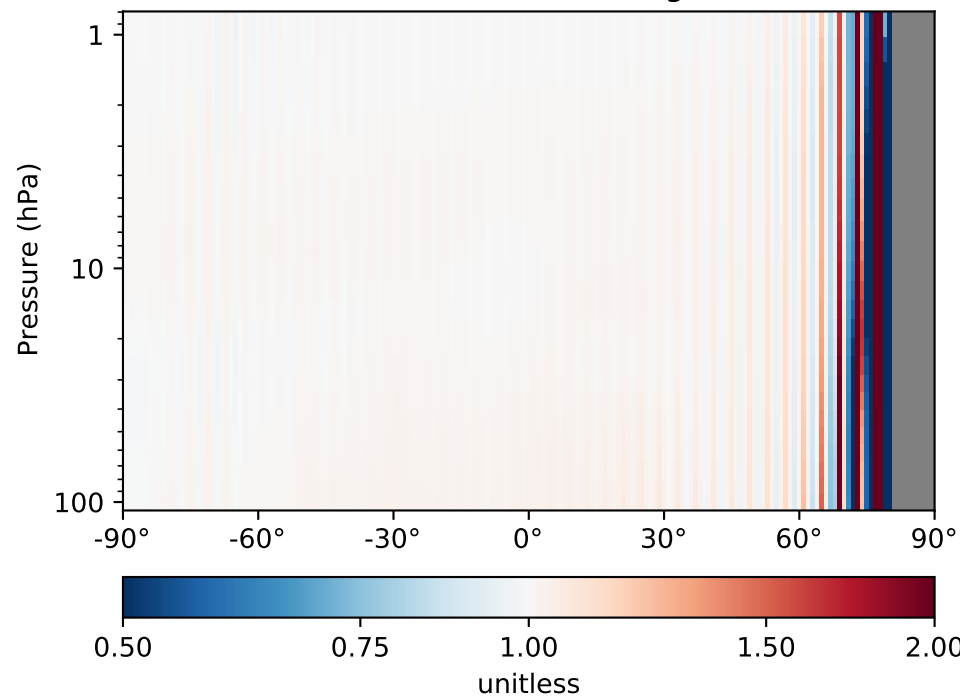
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

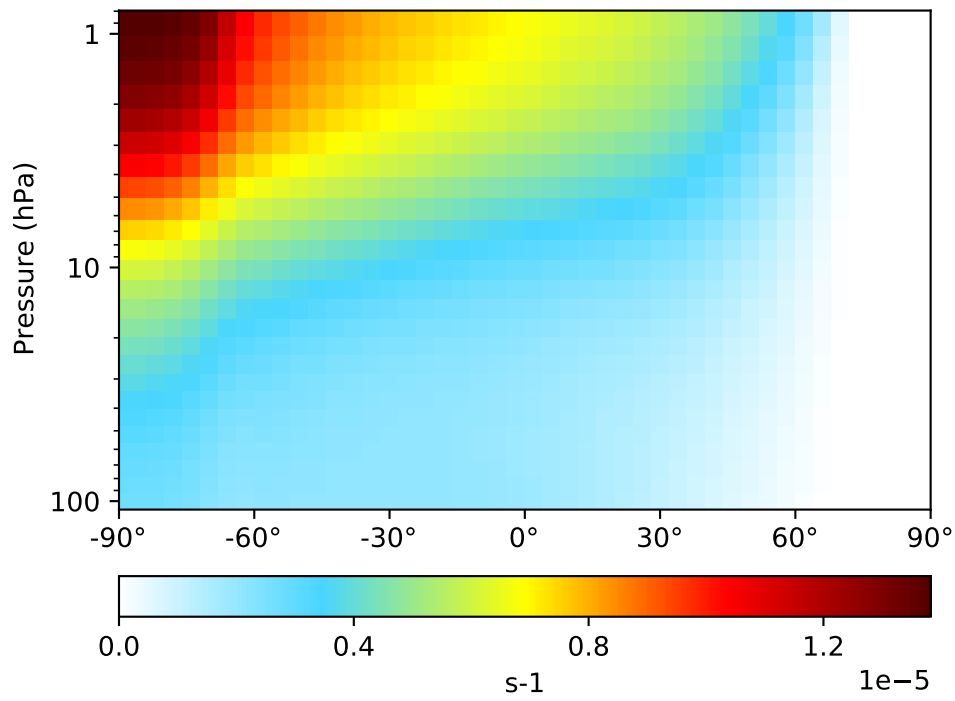


Ratio (1x1.25)
Dev/Ref, Fixed Range

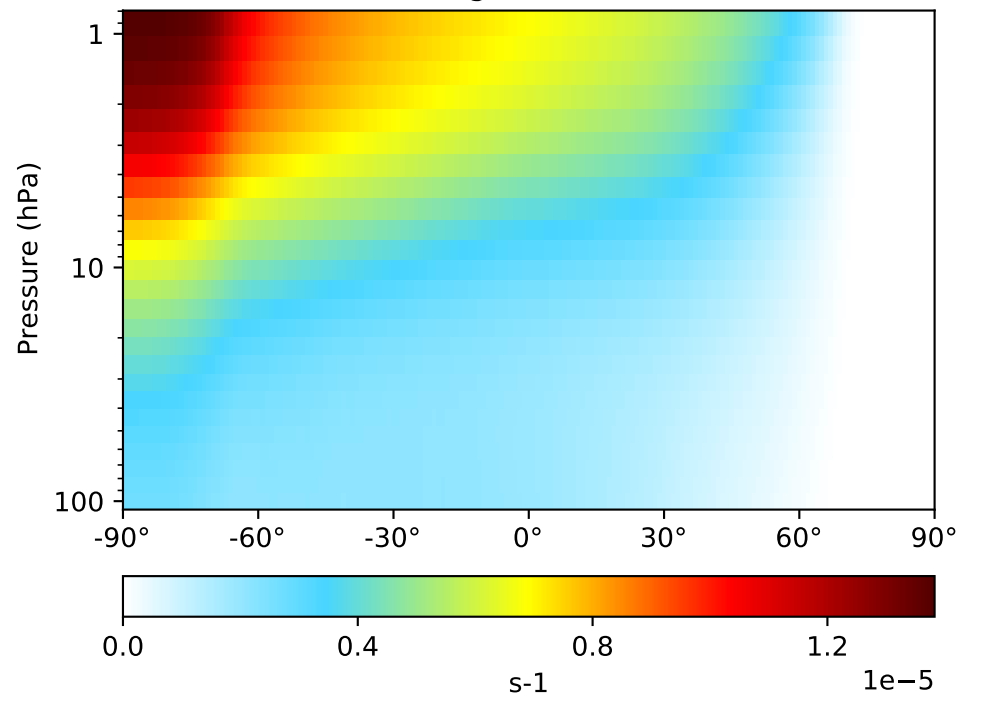


Jval_IHN2, Zonal Mean (Jan2019)

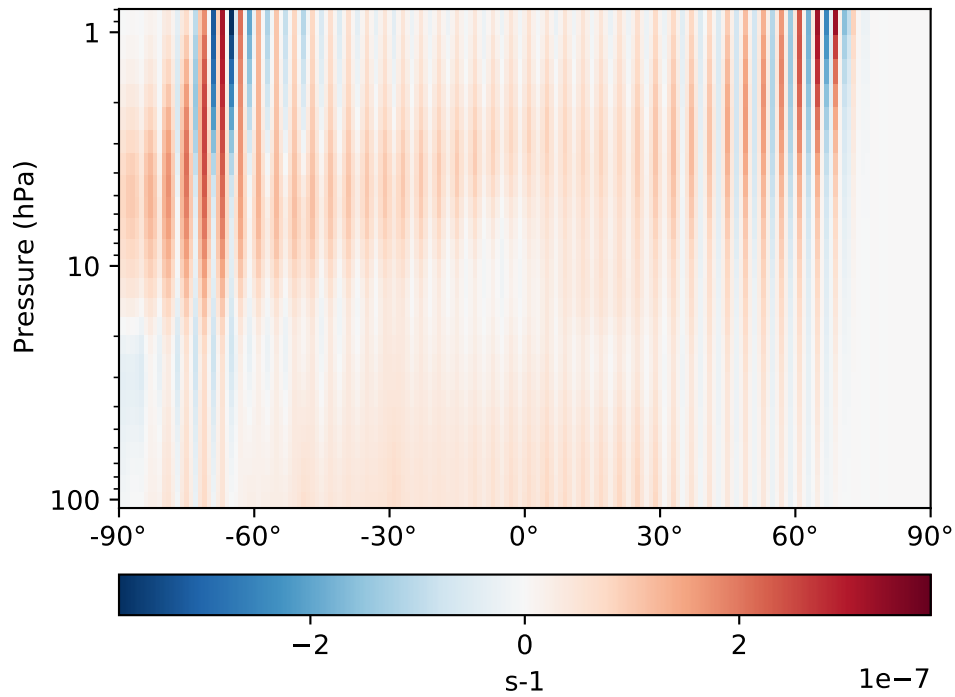
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



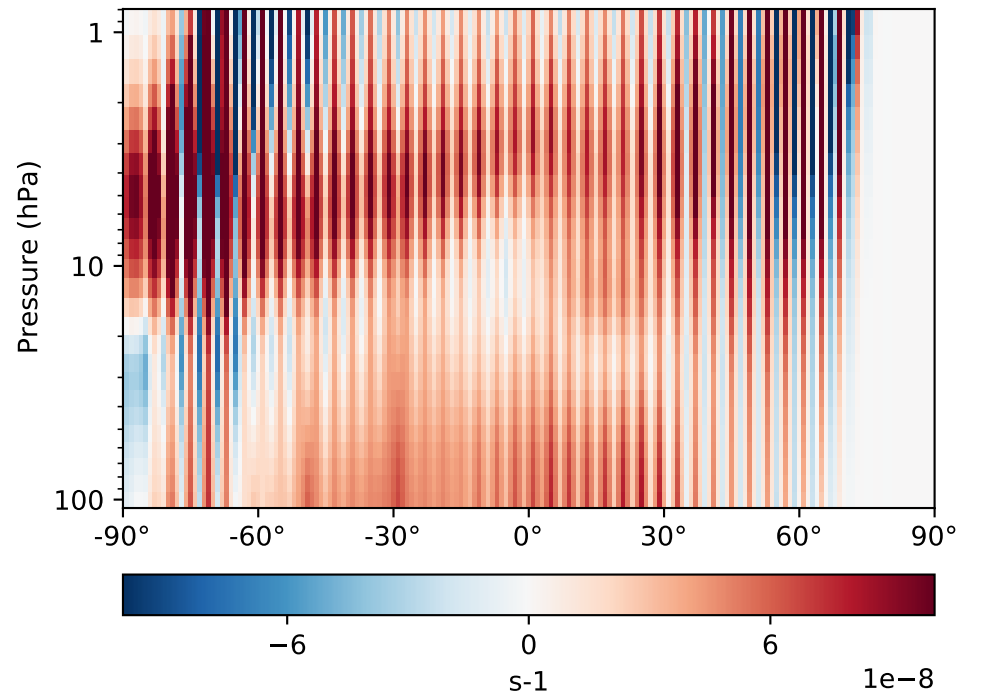
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



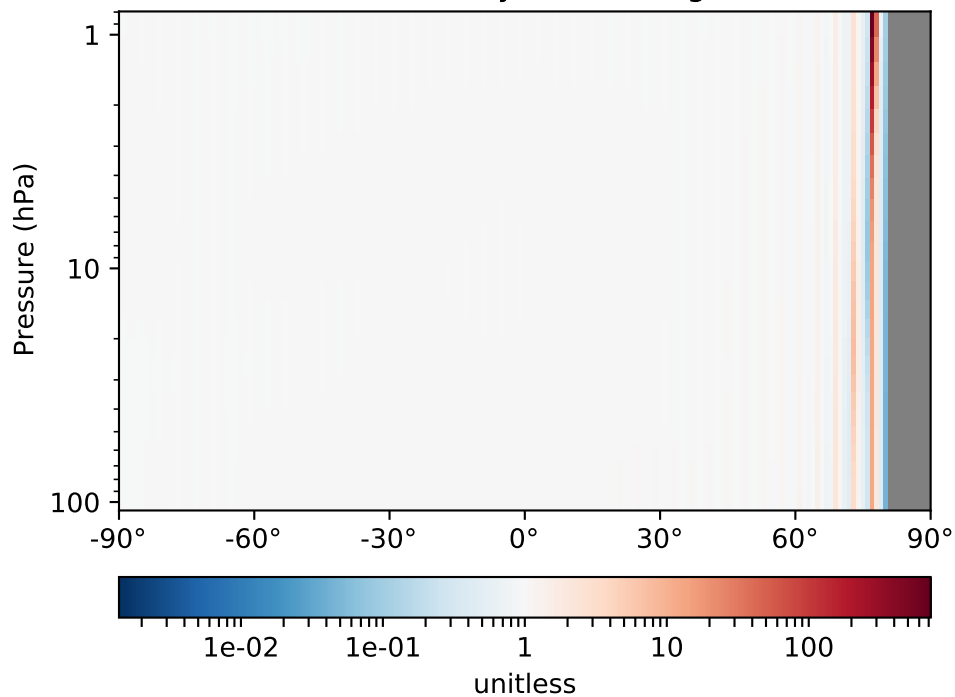
Difference (1x1.25)
Dev - Ref, Dynamic Range



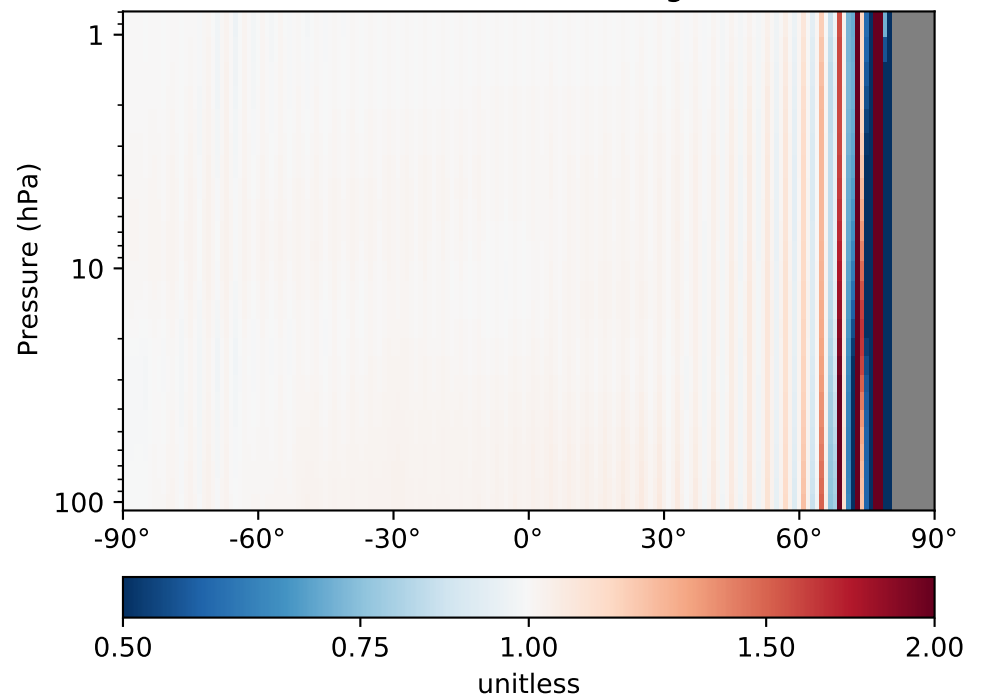
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

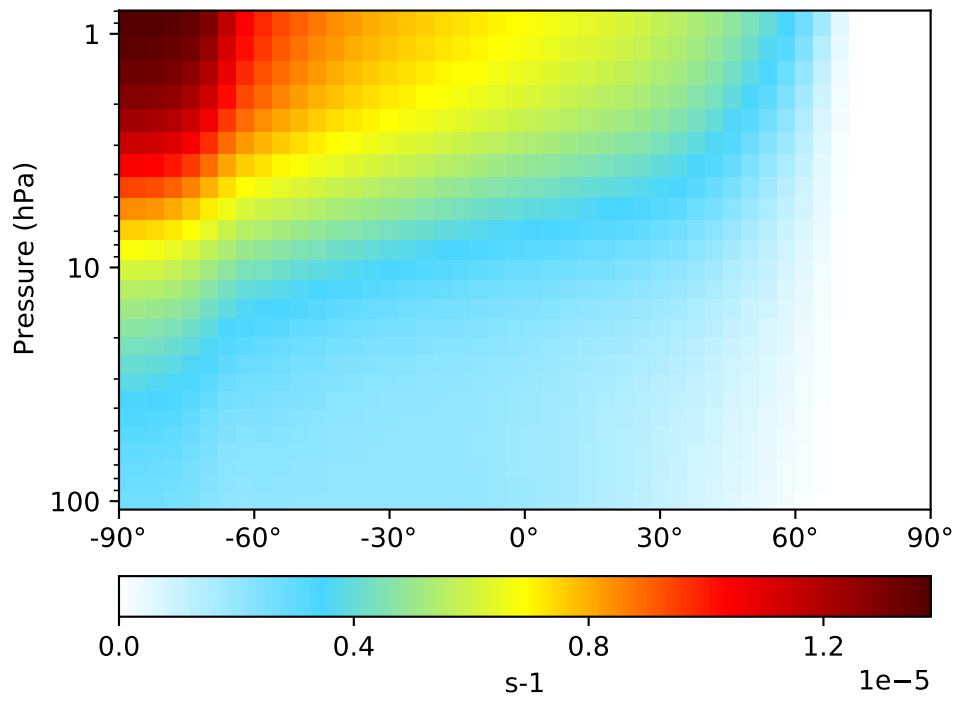


Ratio (1x1.25)
Dev/Ref, Fixed Range

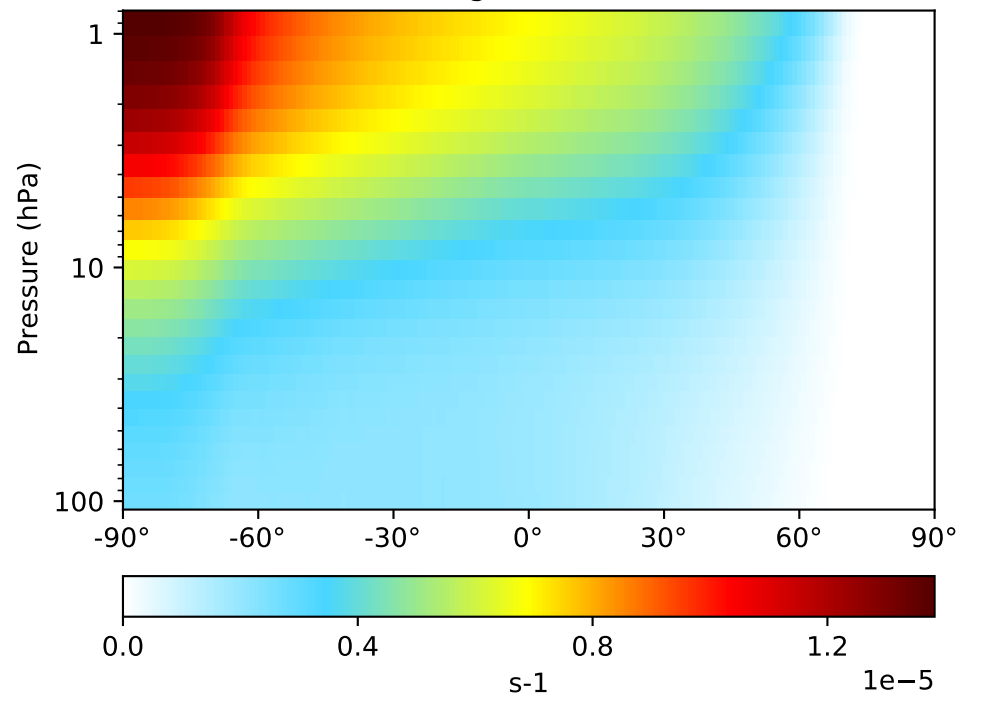


Jval_IHN3, Zonal Mean (Jan2019)

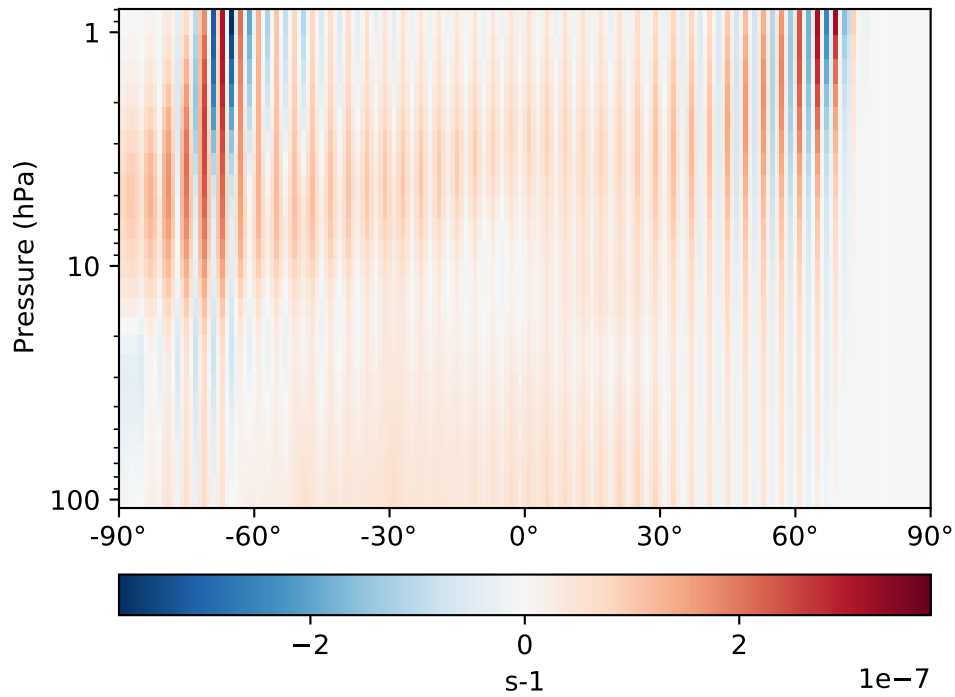
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



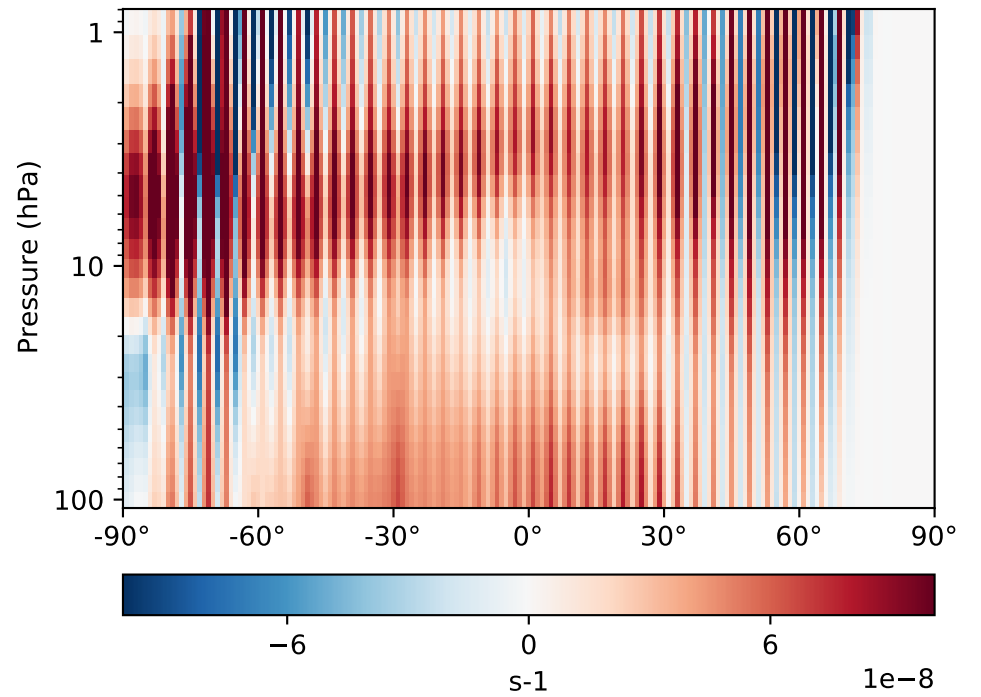
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



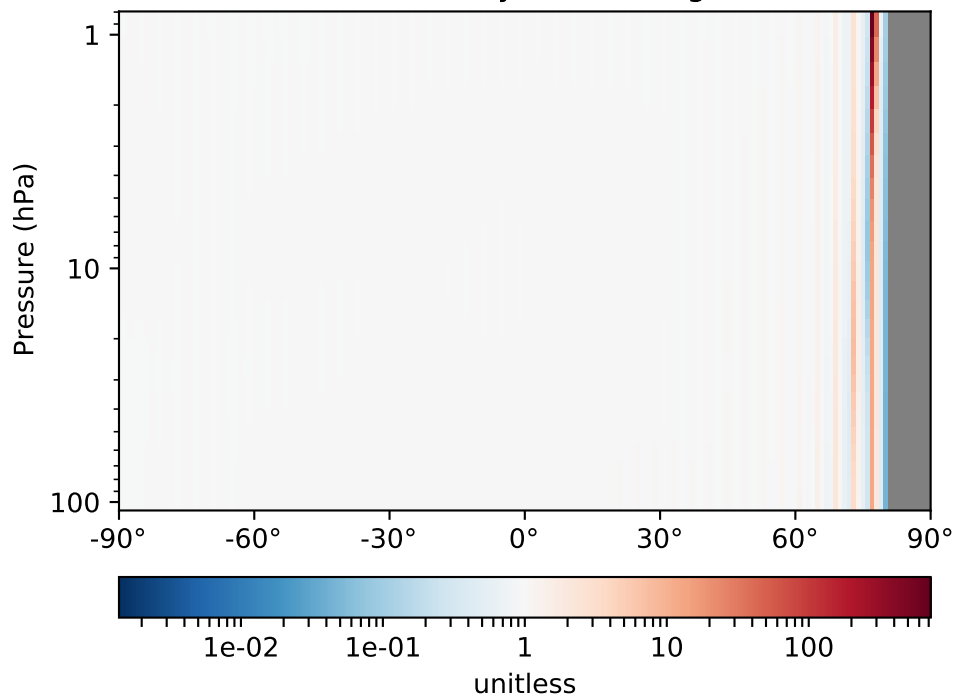
Difference (1x1.25)
Dev - Ref, Dynamic Range



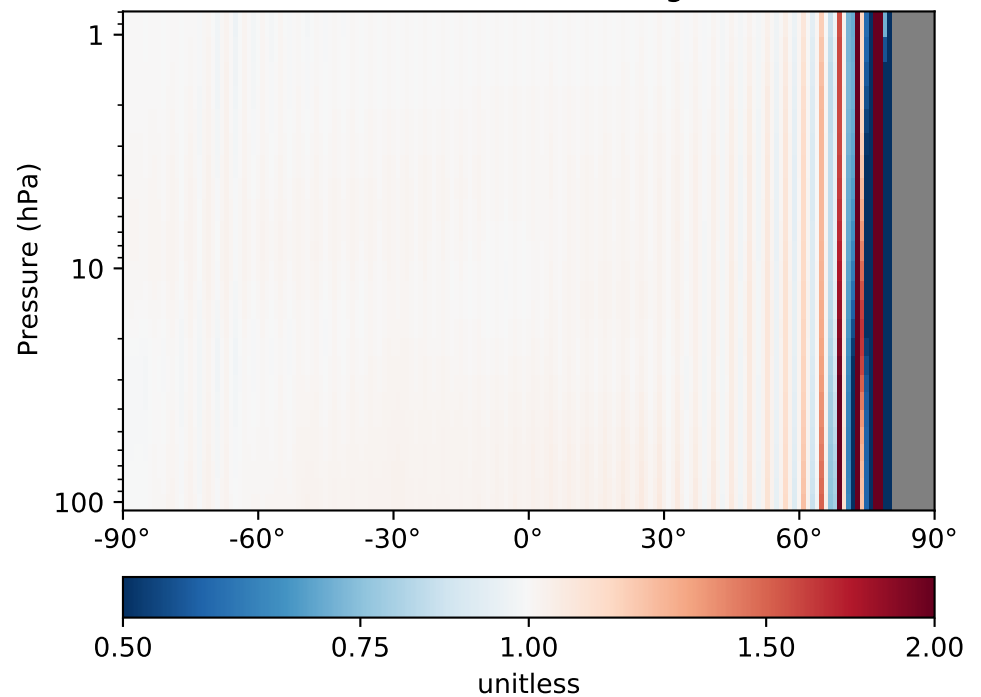
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

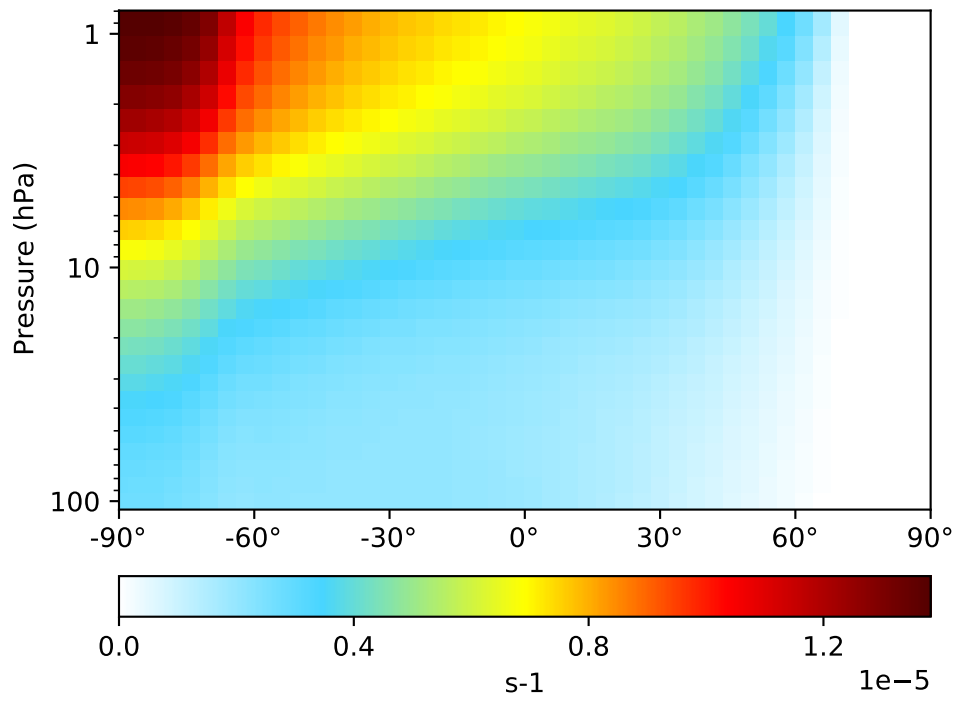


Ratio (1x1.25)
Dev/Ref, Fixed Range

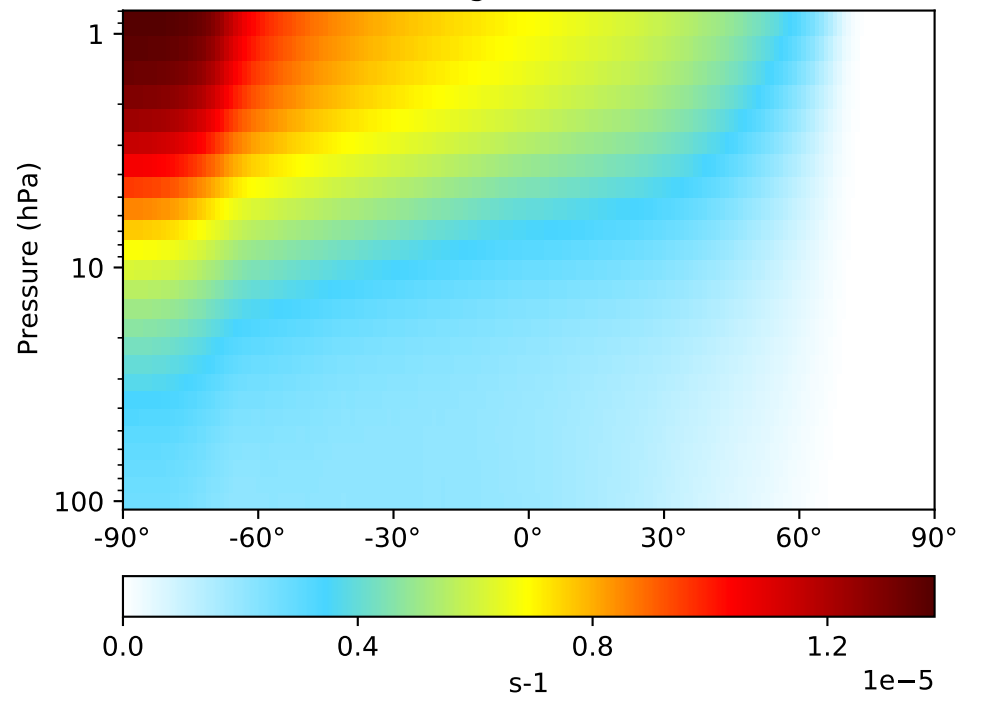


Jval_IHN4, Zonal Mean (Jan2019)

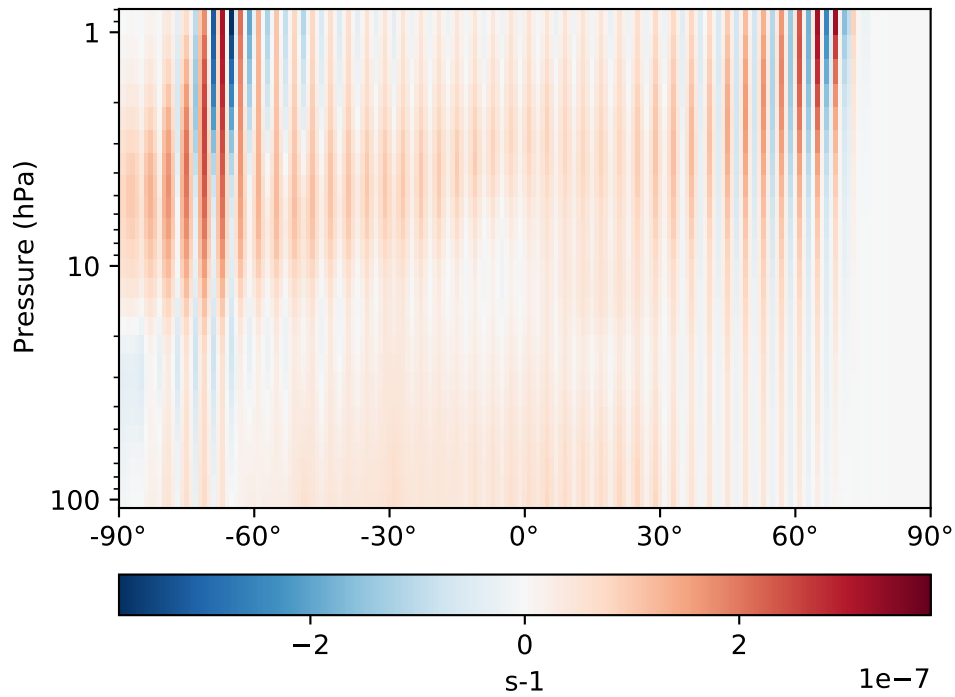
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



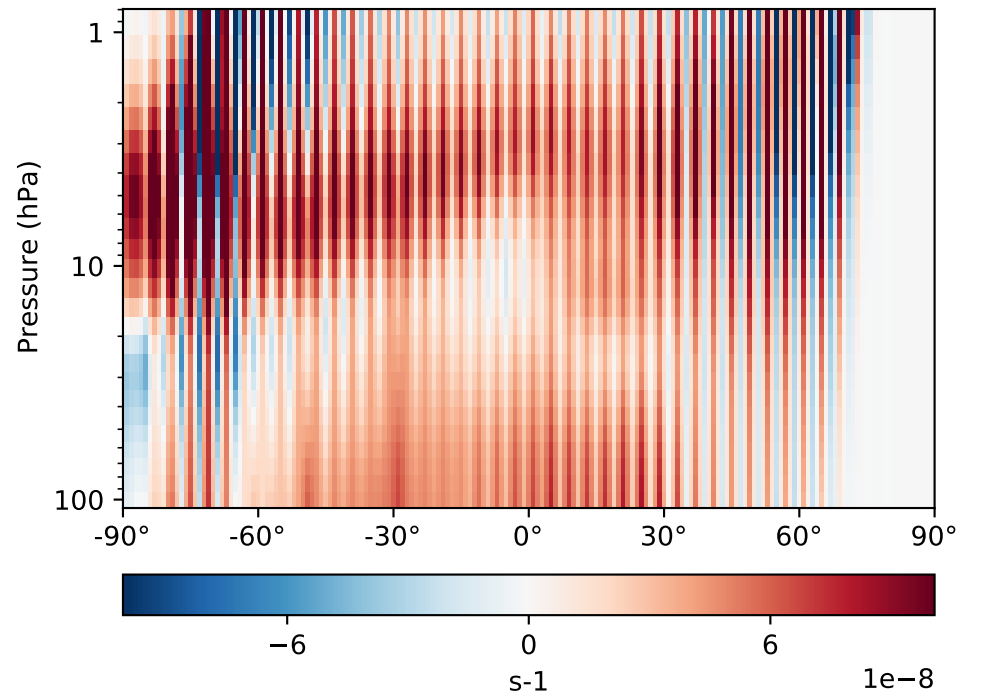
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



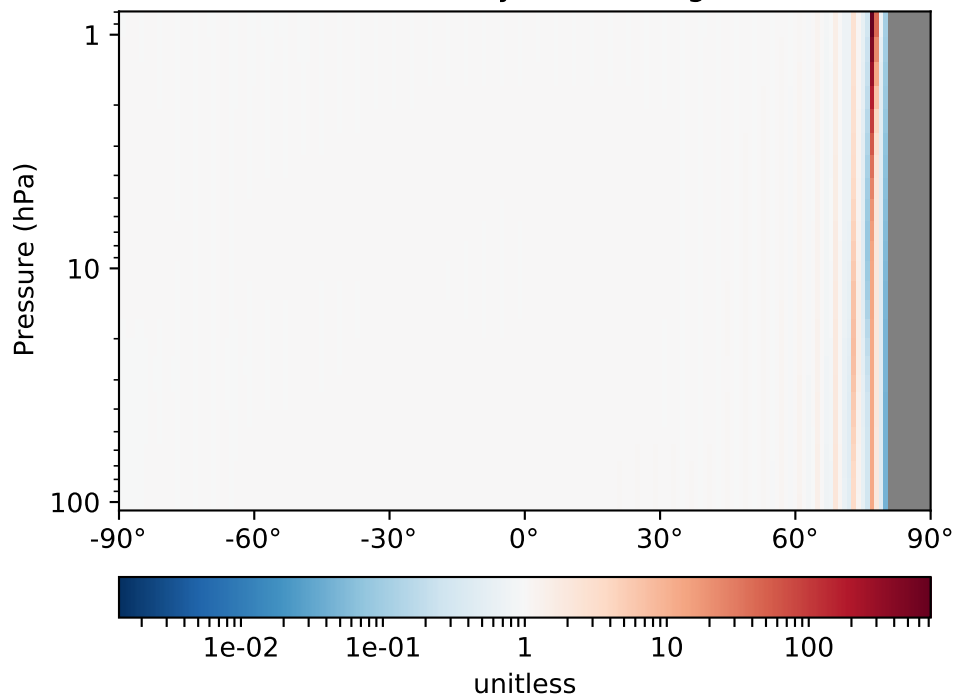
Difference (1x1.25)
Dev - Ref, Dynamic Range



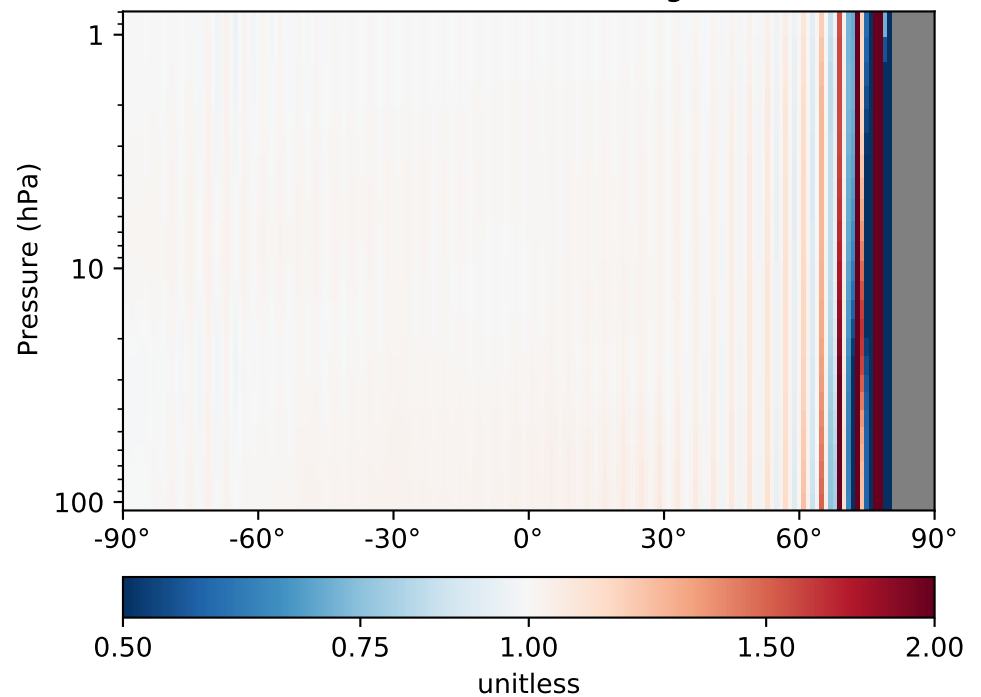
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

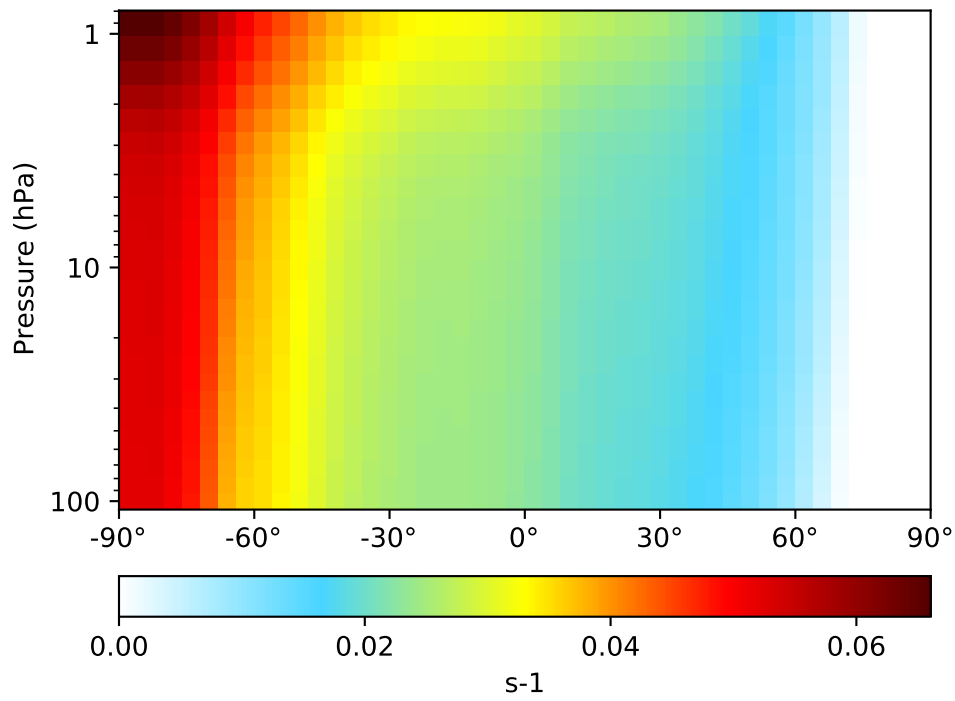


Ratio (1x1.25)
Dev/Ref, Fixed Range

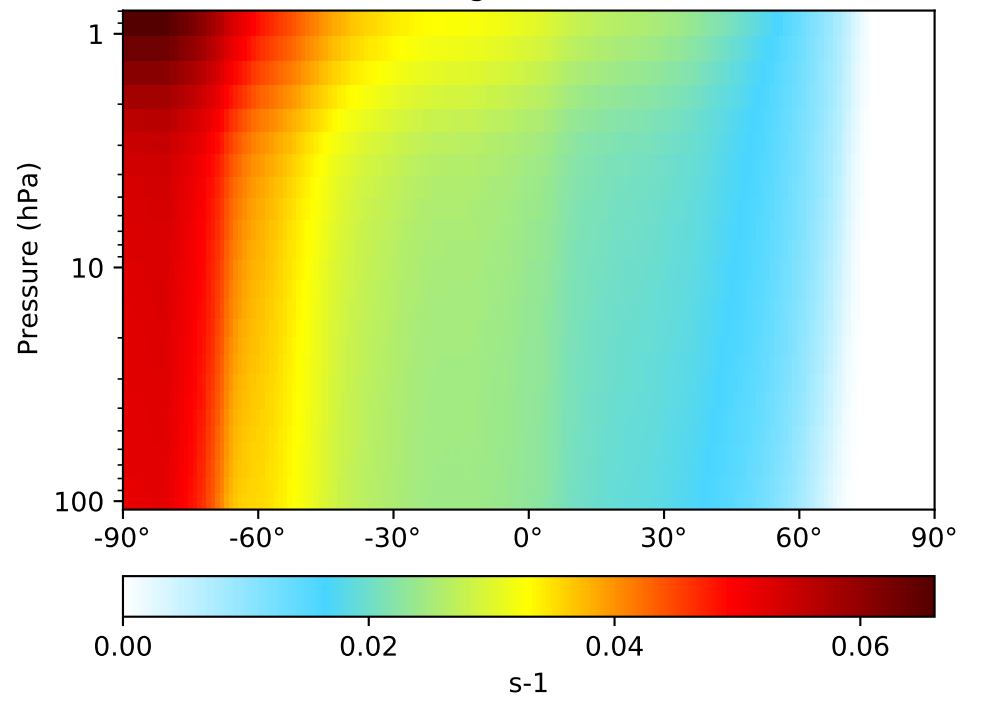


Jval_INO, Zonal Mean (Jan2019)

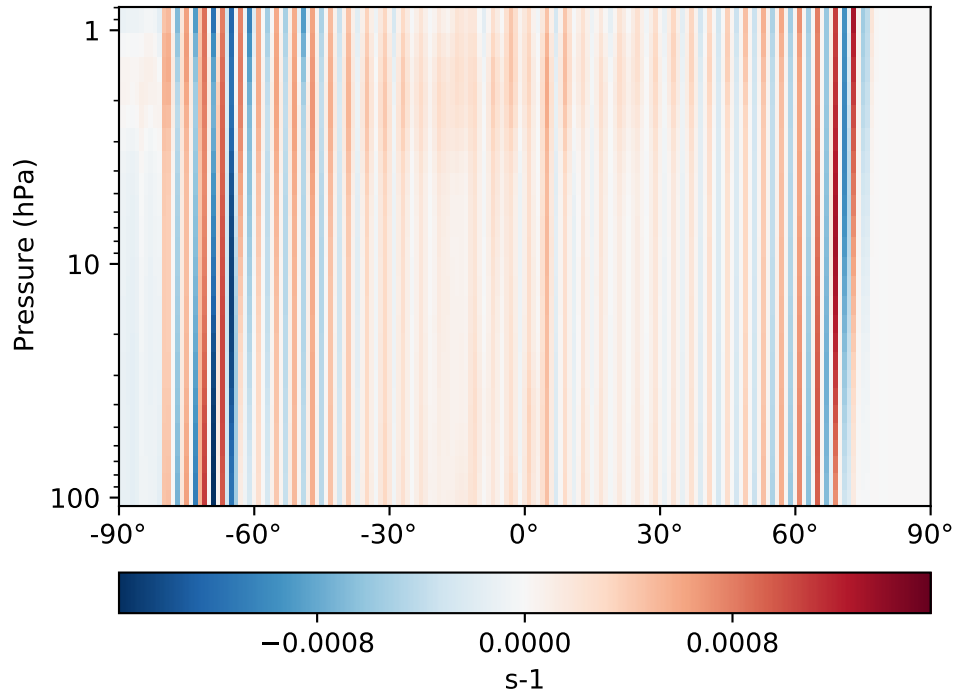
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



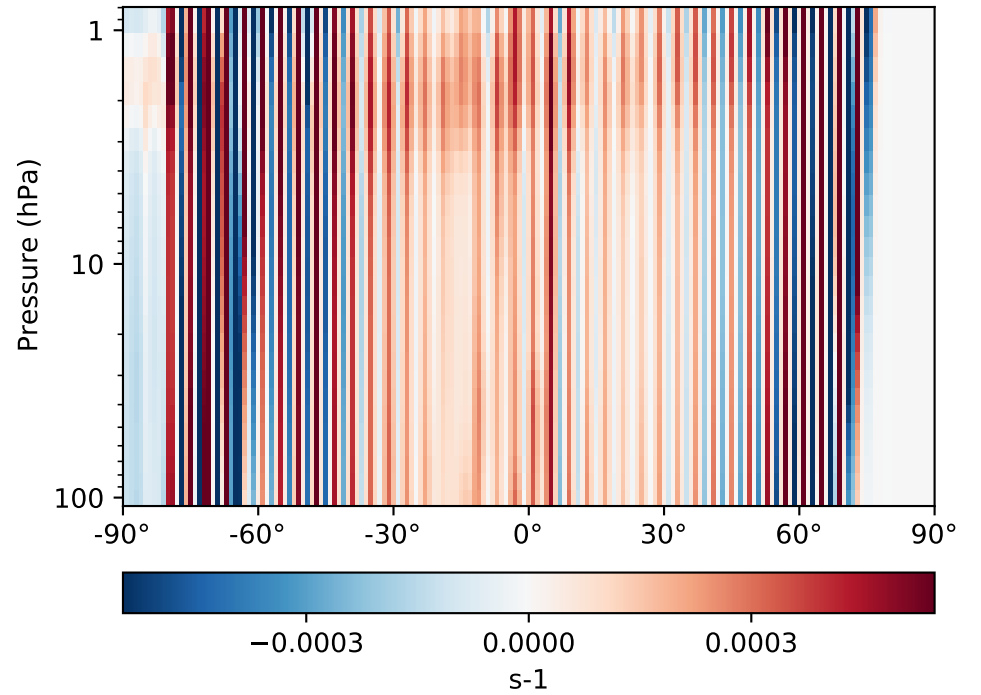
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



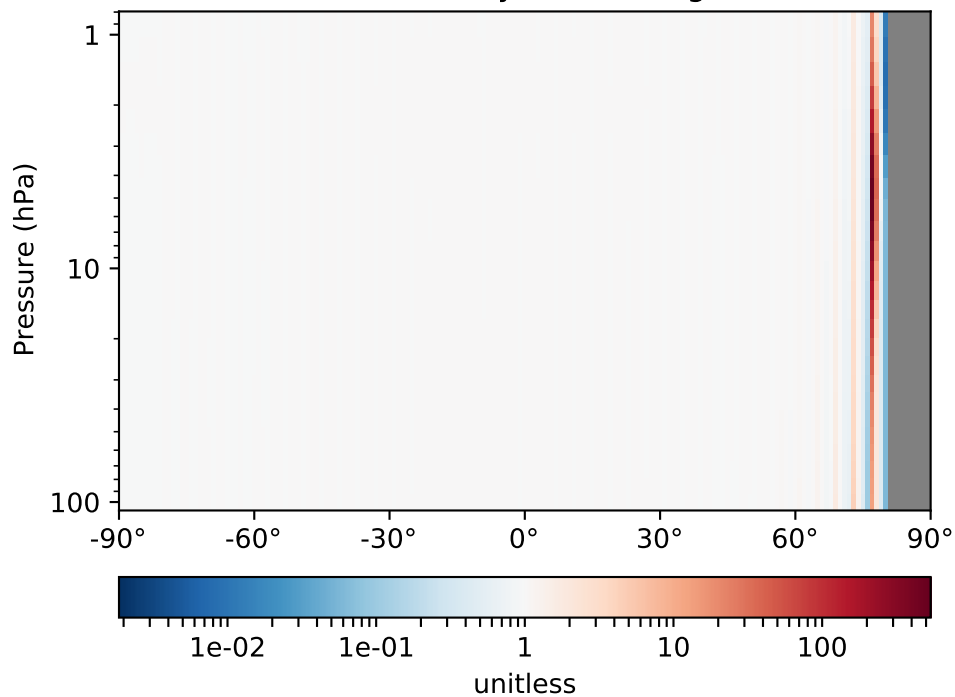
Difference (1x1.25)
Dev - Ref, Dynamic Range



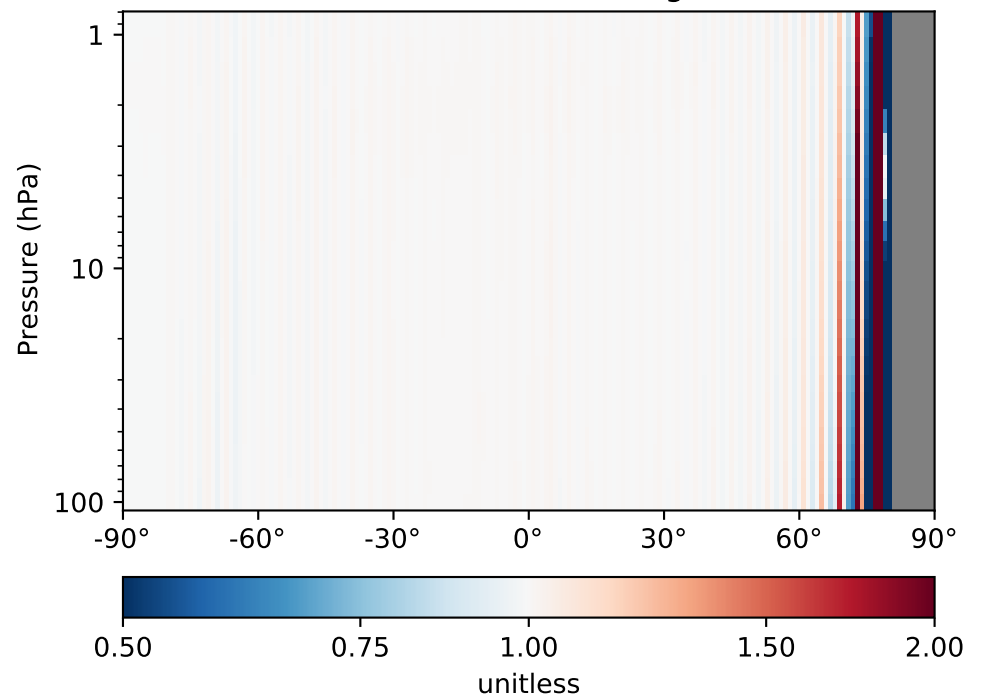
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

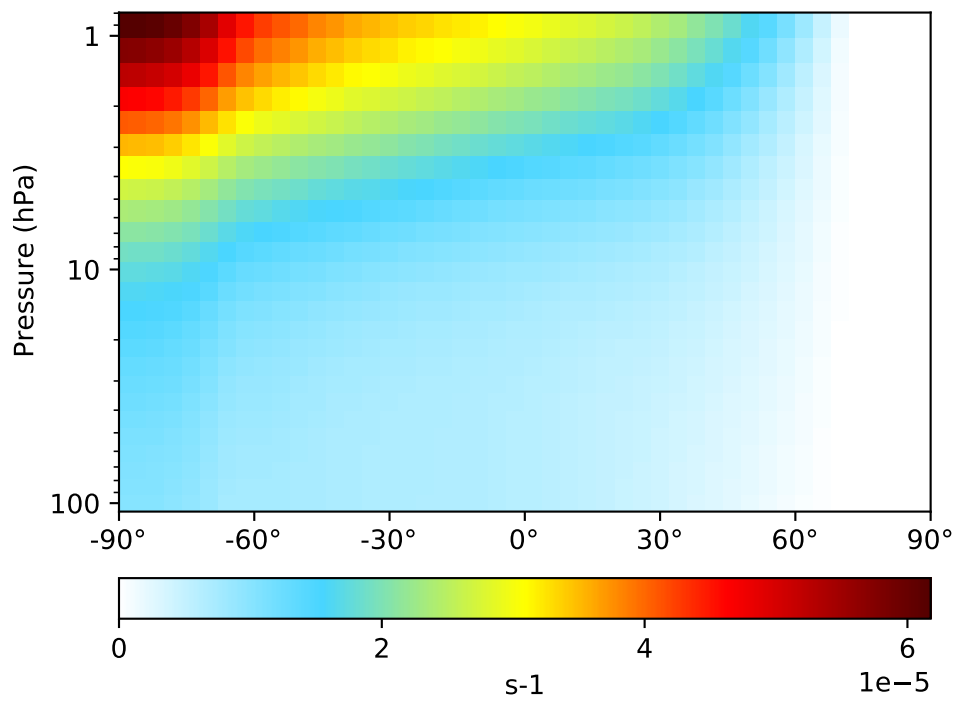


Ratio (1x1.25)
Dev/Ref, Fixed Range

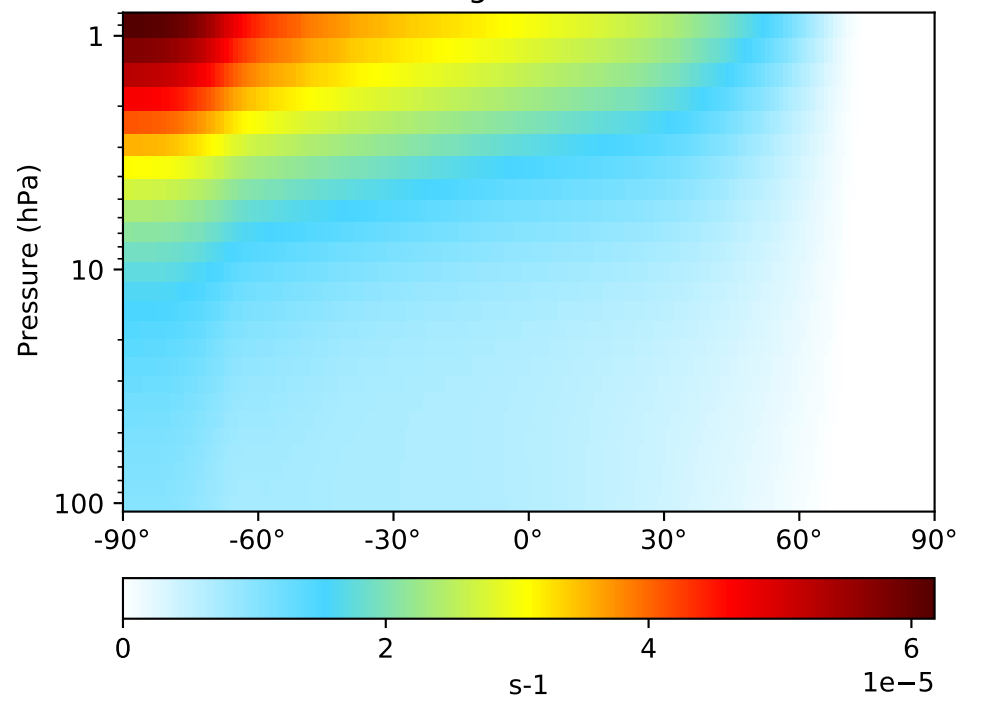


Jval_INPB, Zonal Mean (Jan2019)

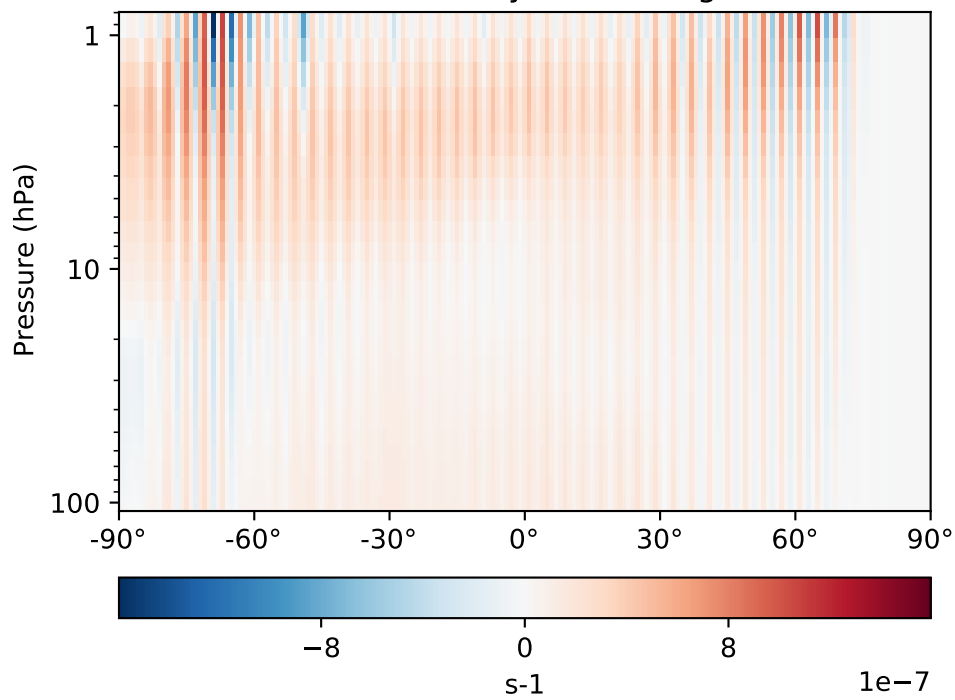
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



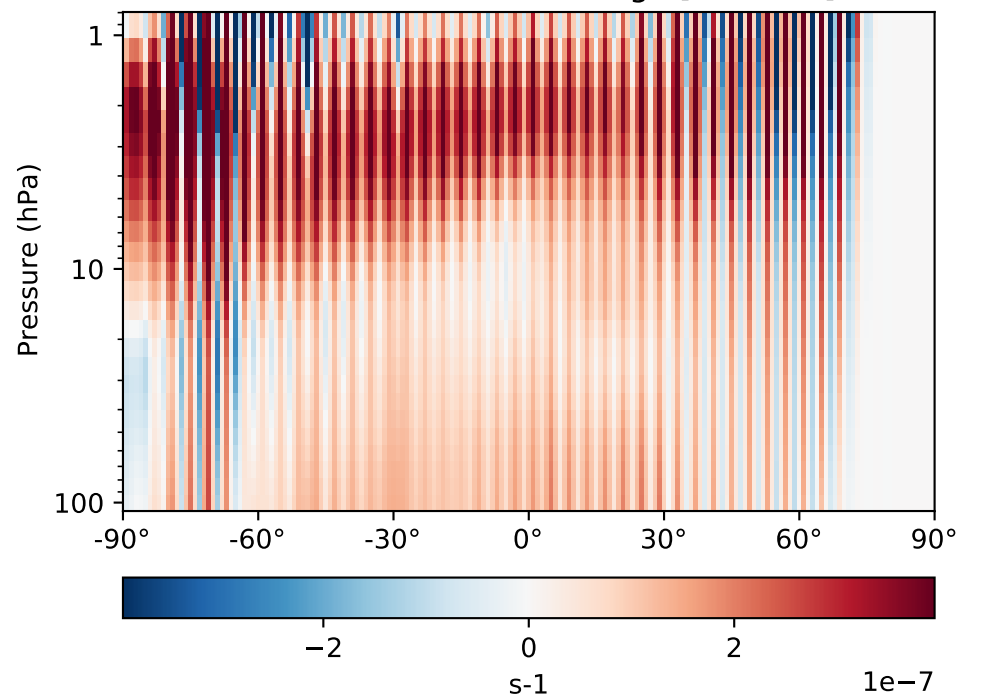
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



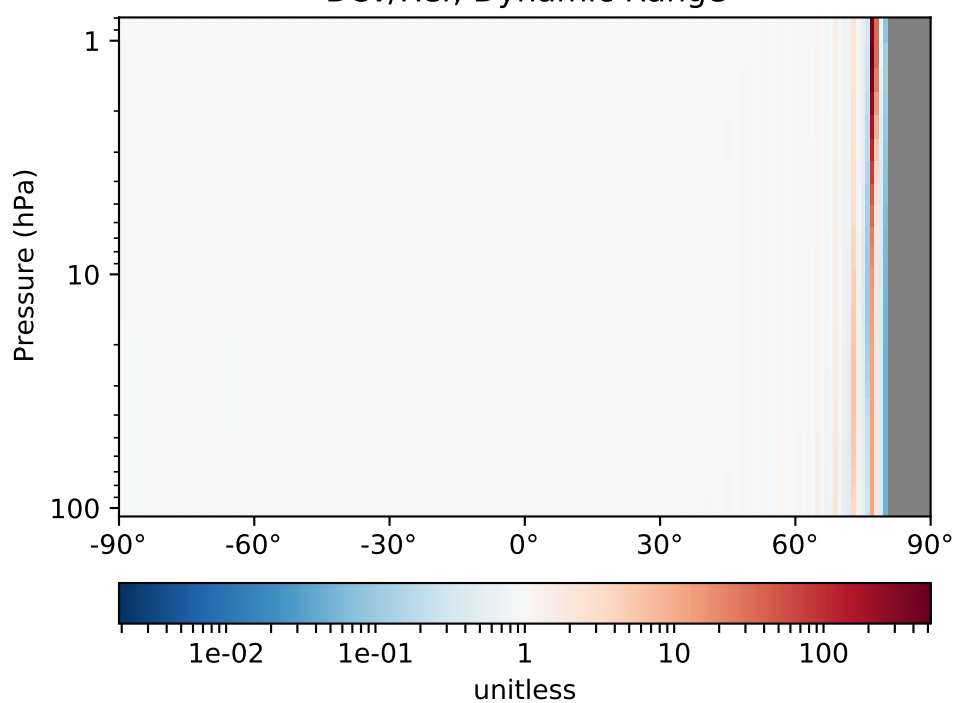
Difference (1x1.25)
Dev - Ref, Dynamic Range



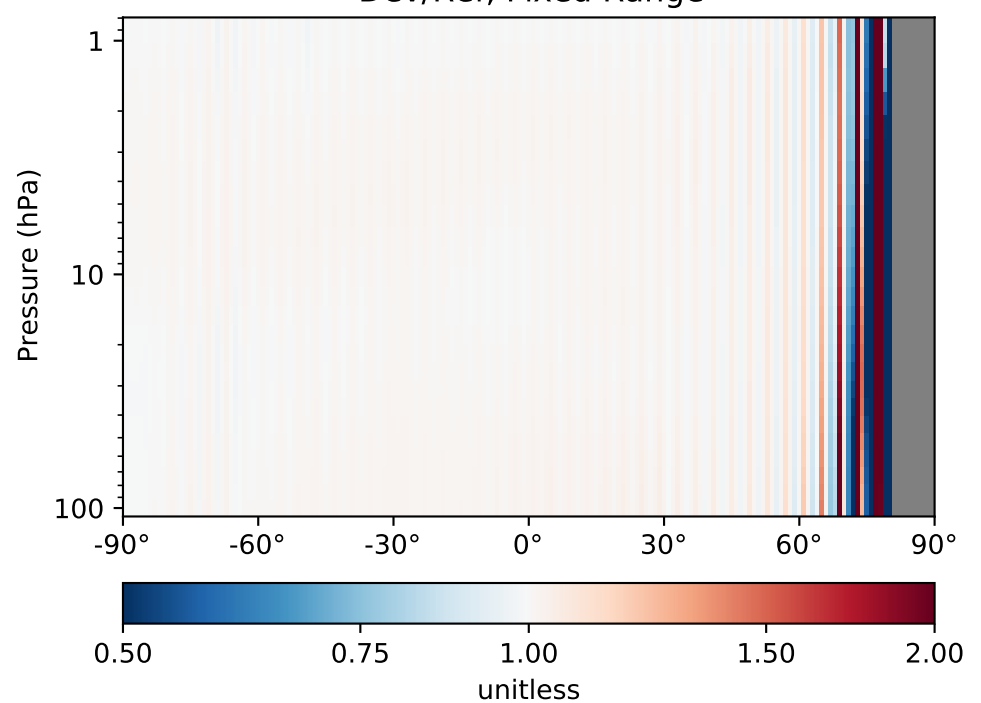
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

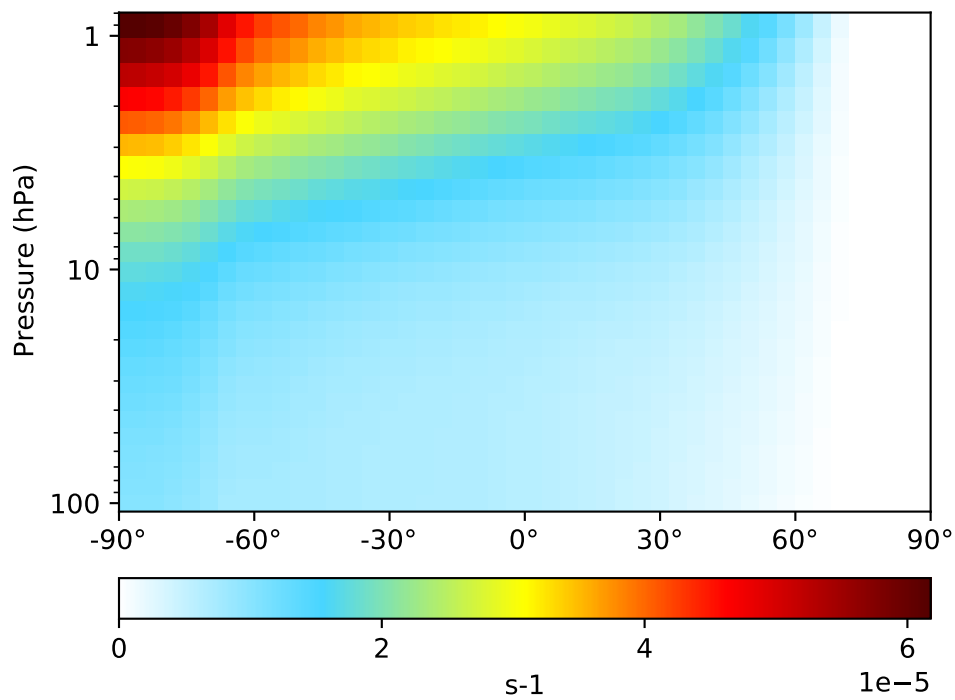


Ratio (1x1.25)
Dev/Ref, Fixed Range

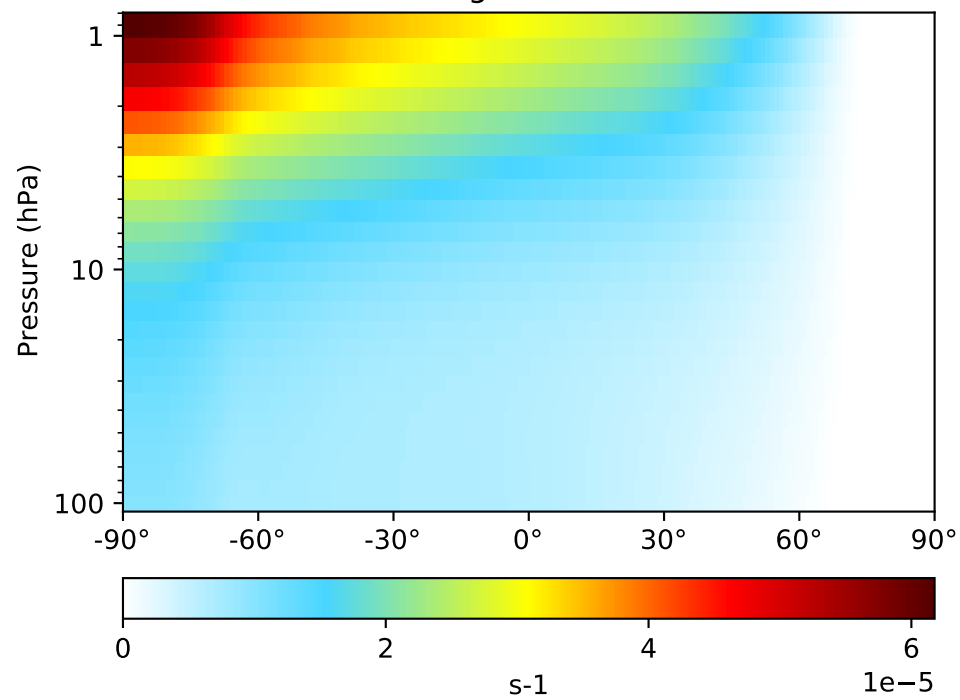


Jval_INPD, Zonal Mean (Jan2019)

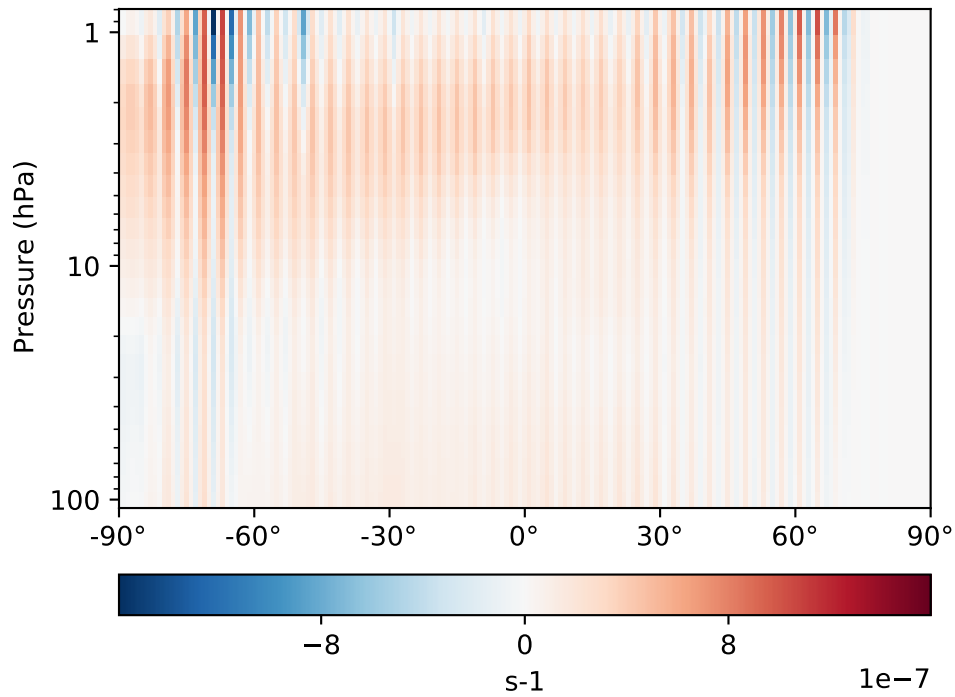
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



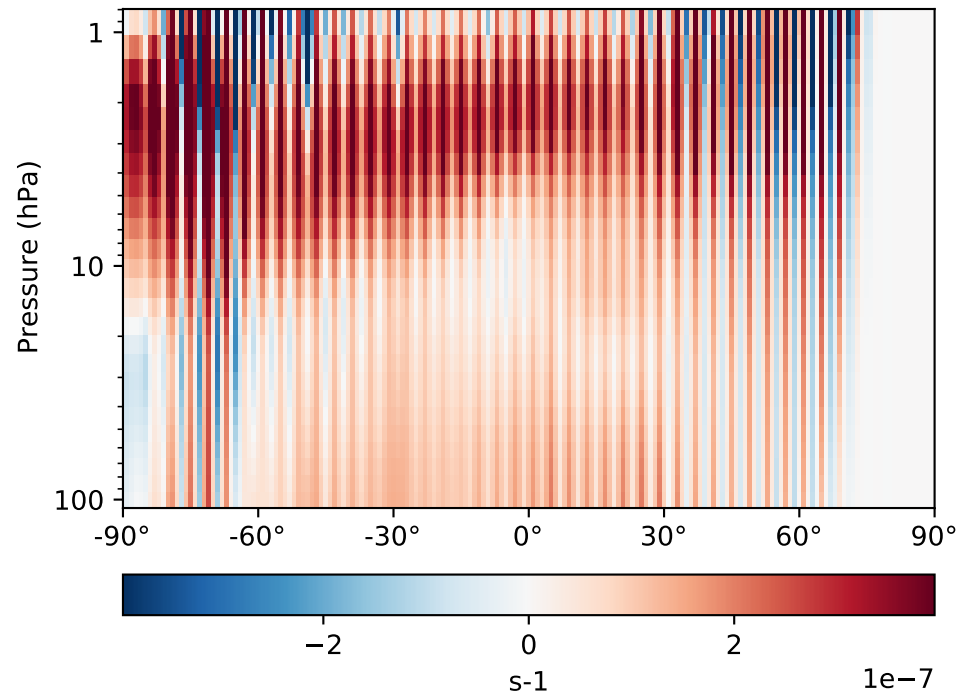
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



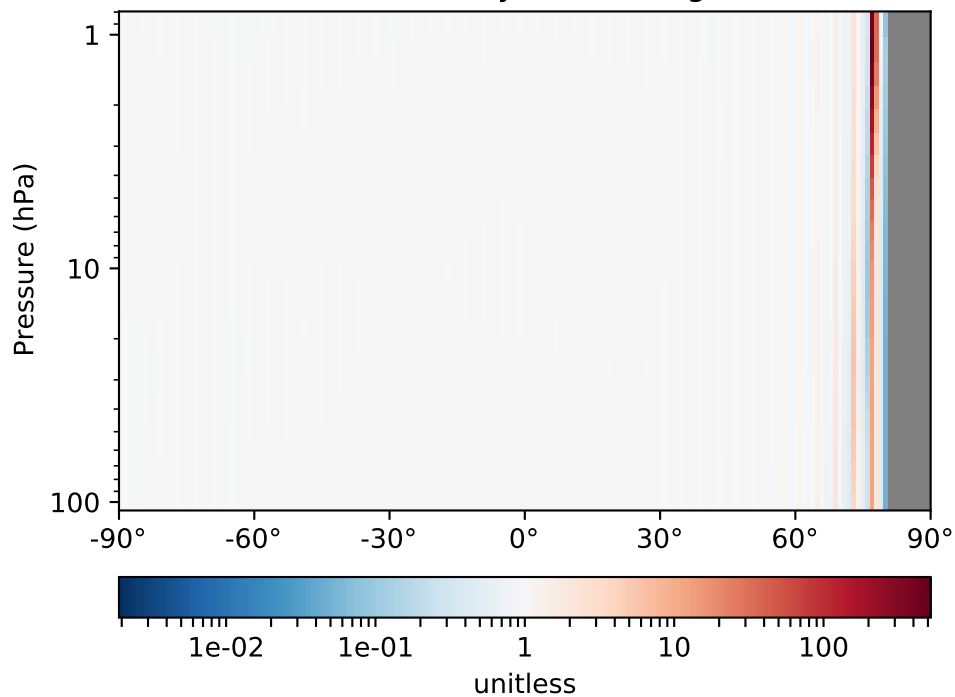
Difference (1x1.25)
Dev - Ref, Dynamic Range



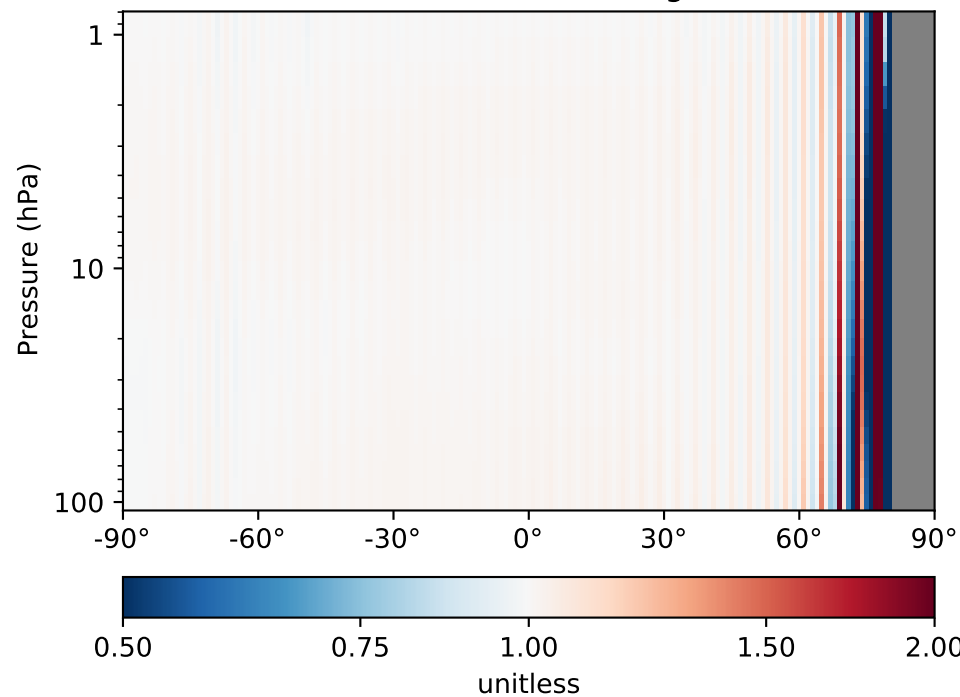
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

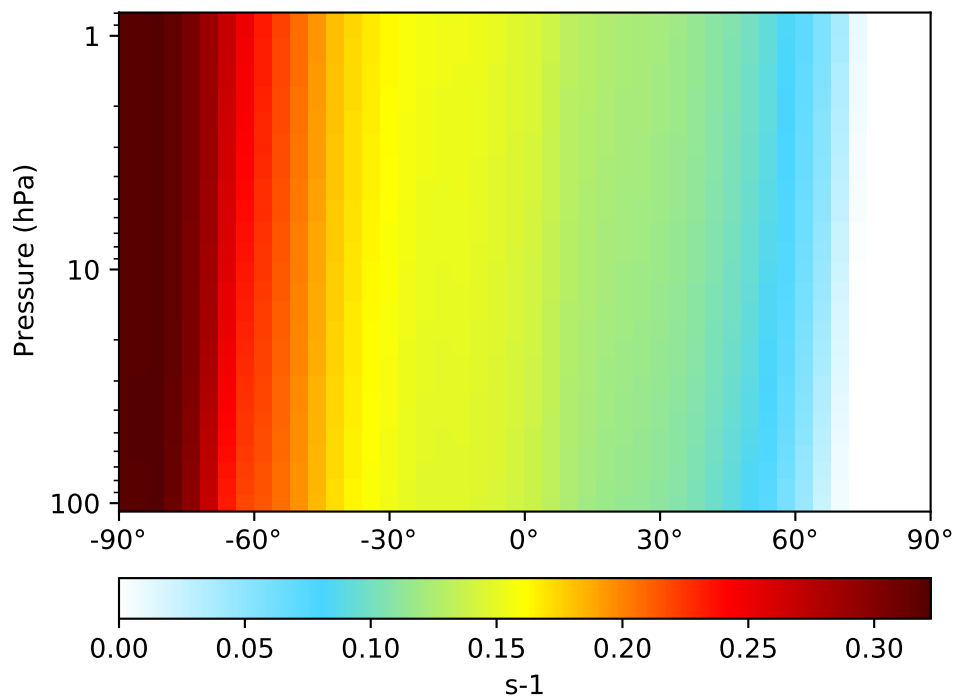


Ratio (1x1.25)
Dev/Ref, Fixed Range

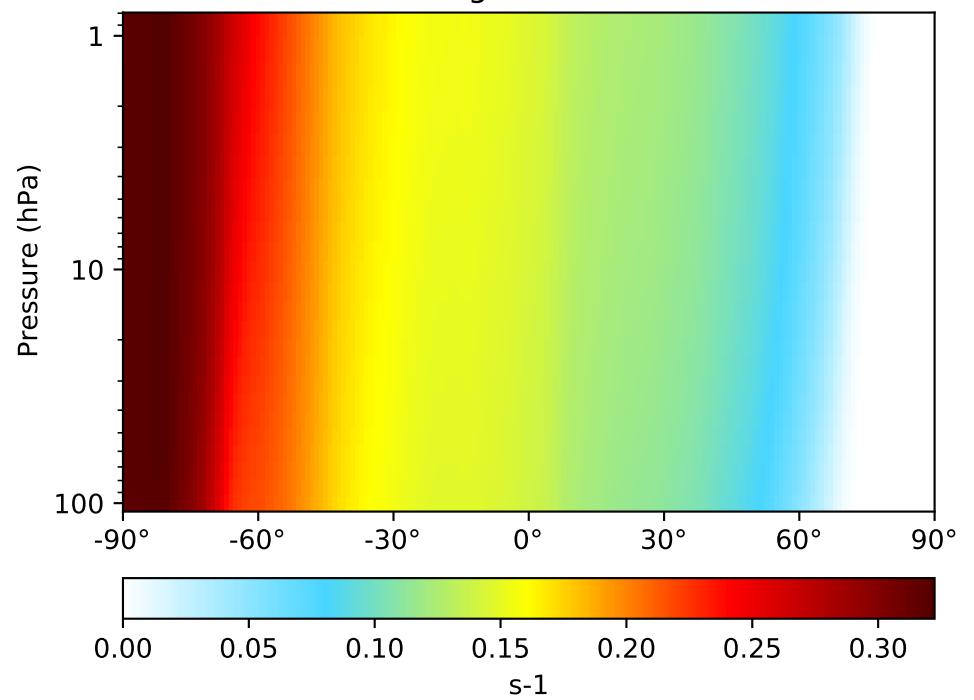


Jval_IO, Zonal Mean (Jan2019)

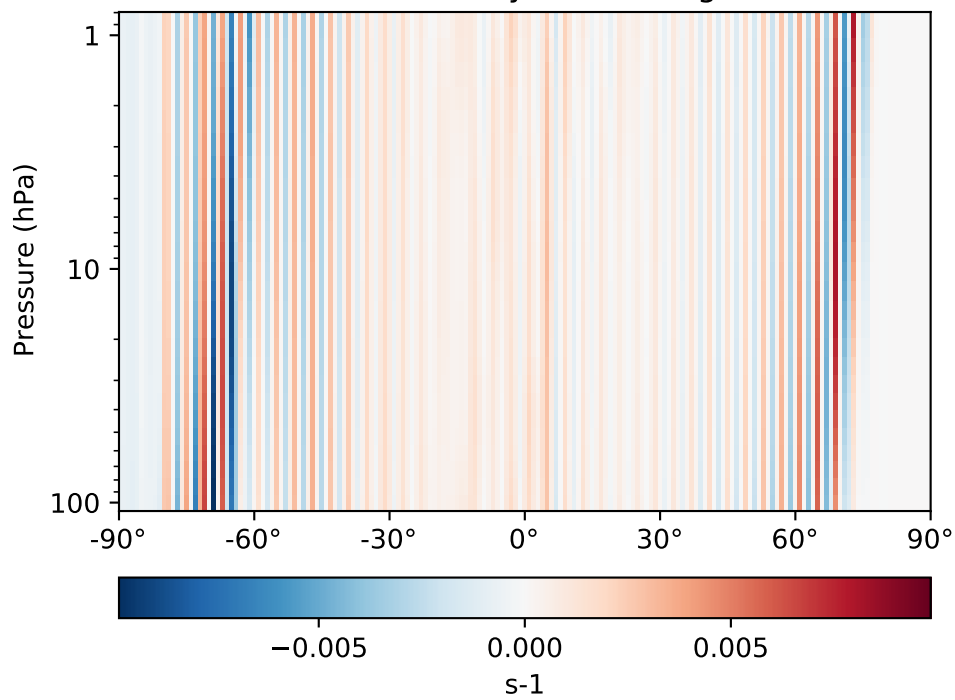
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



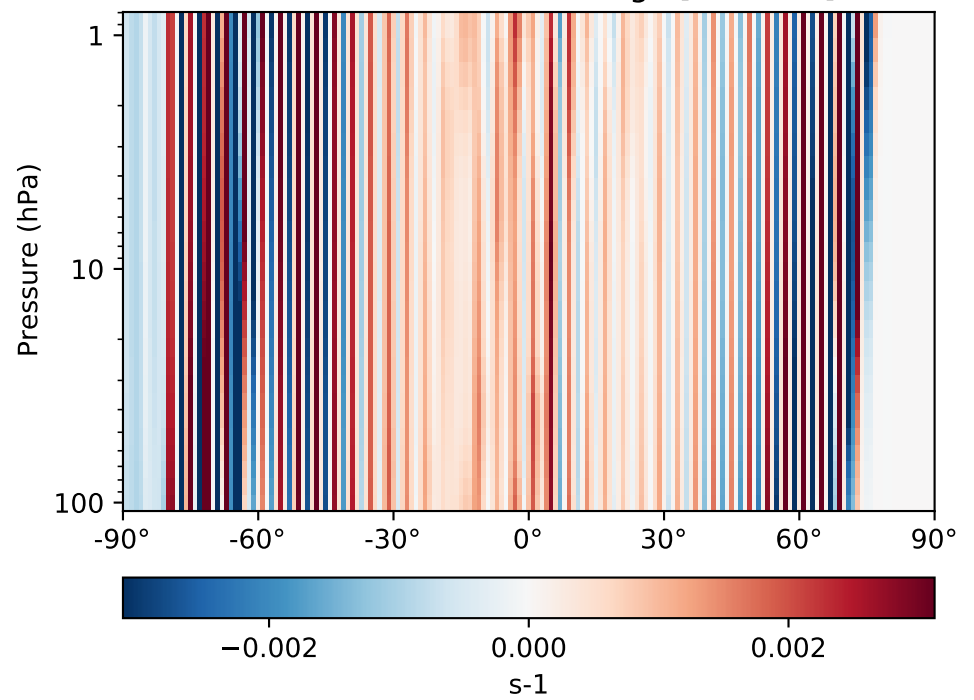
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



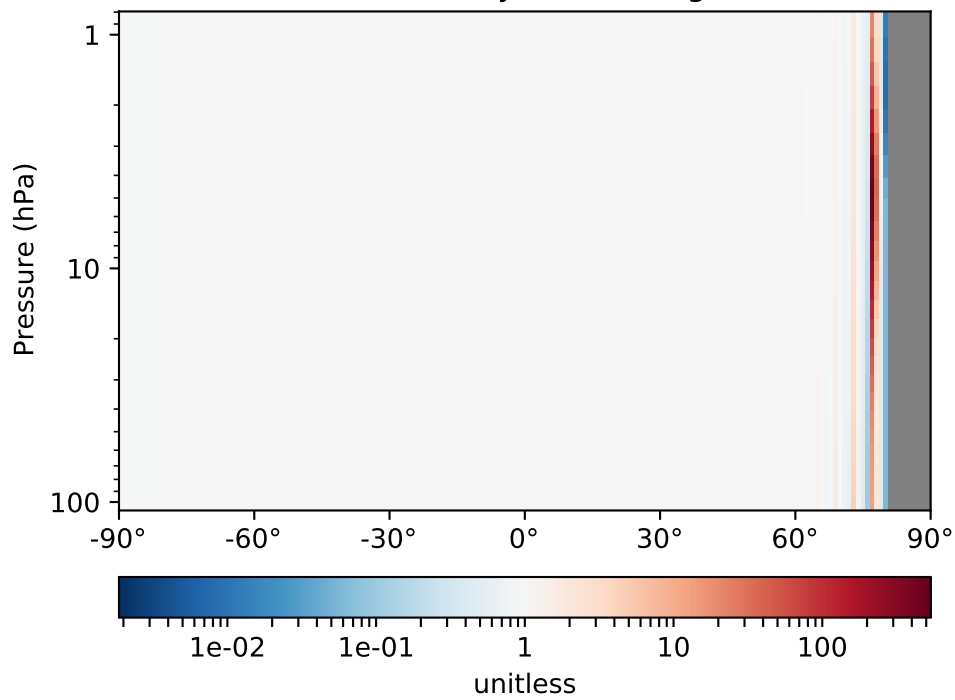
Difference (1x1.25)
Dev - Ref, Dynamic Range



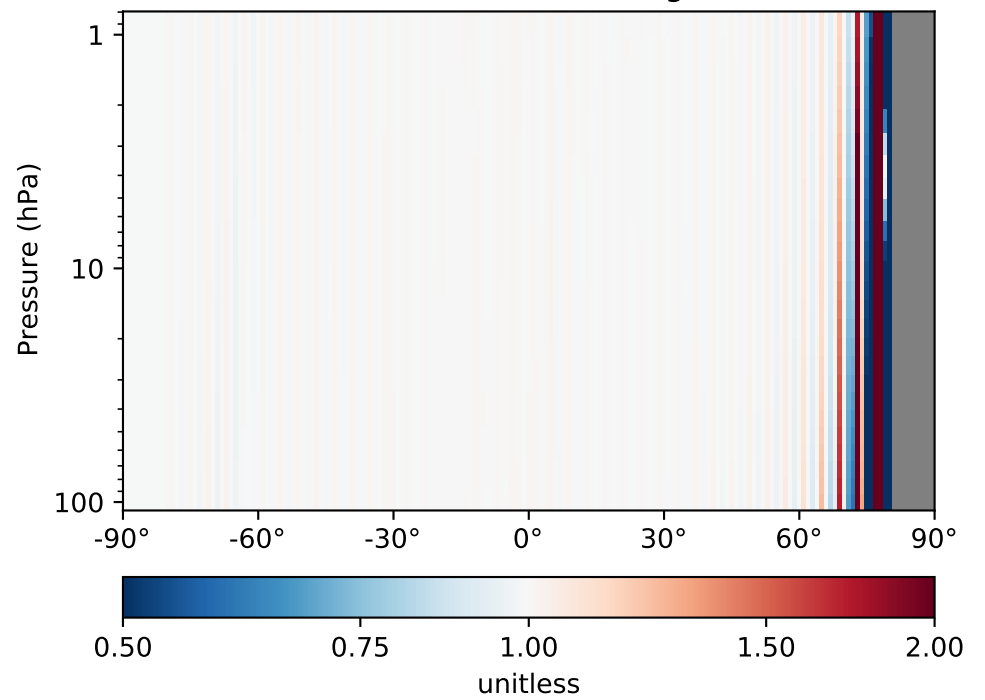
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

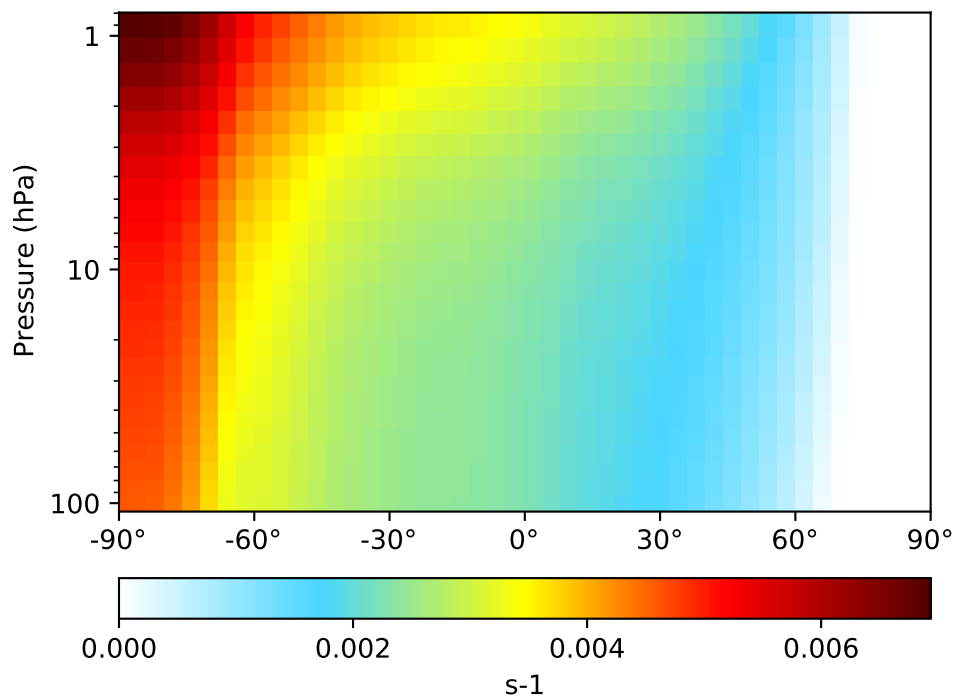


Ratio (1x1.25)
Dev/Ref, Fixed Range

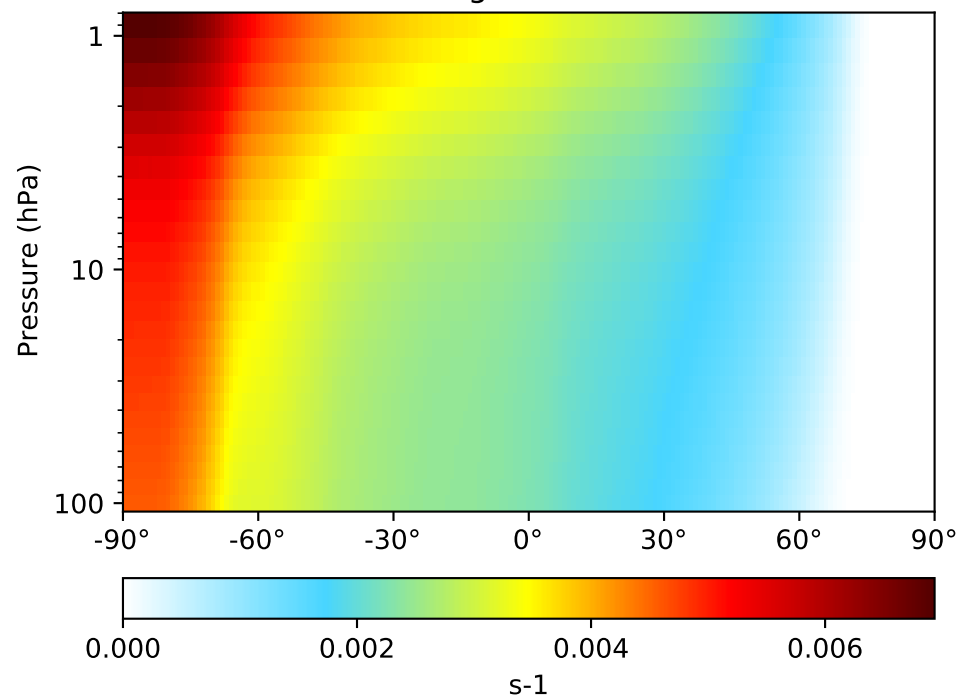


Jval_IONO, Zonal Mean (Jan2019)

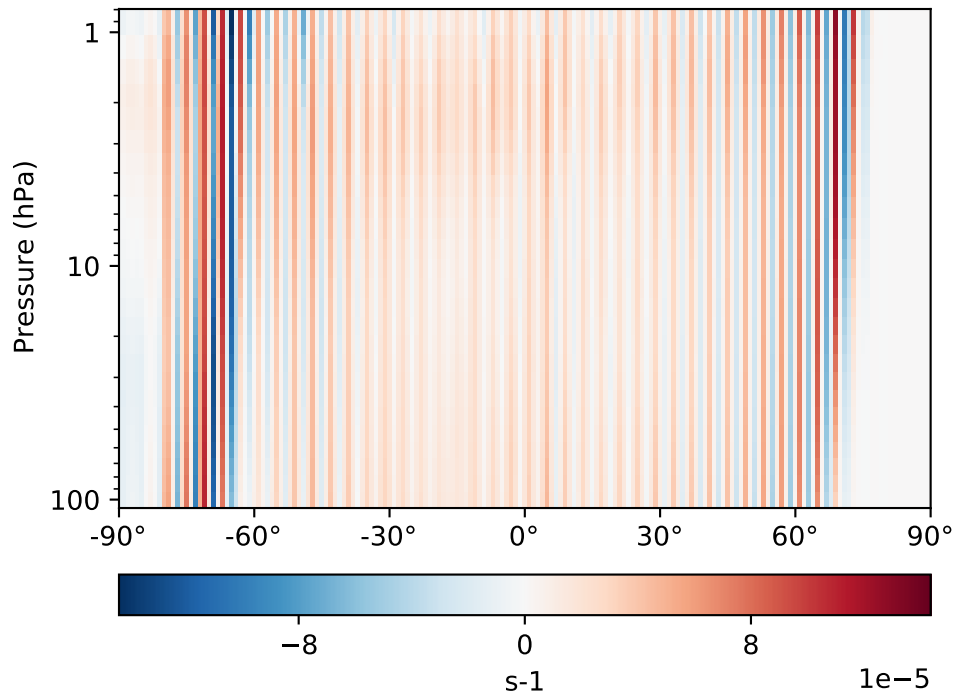
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



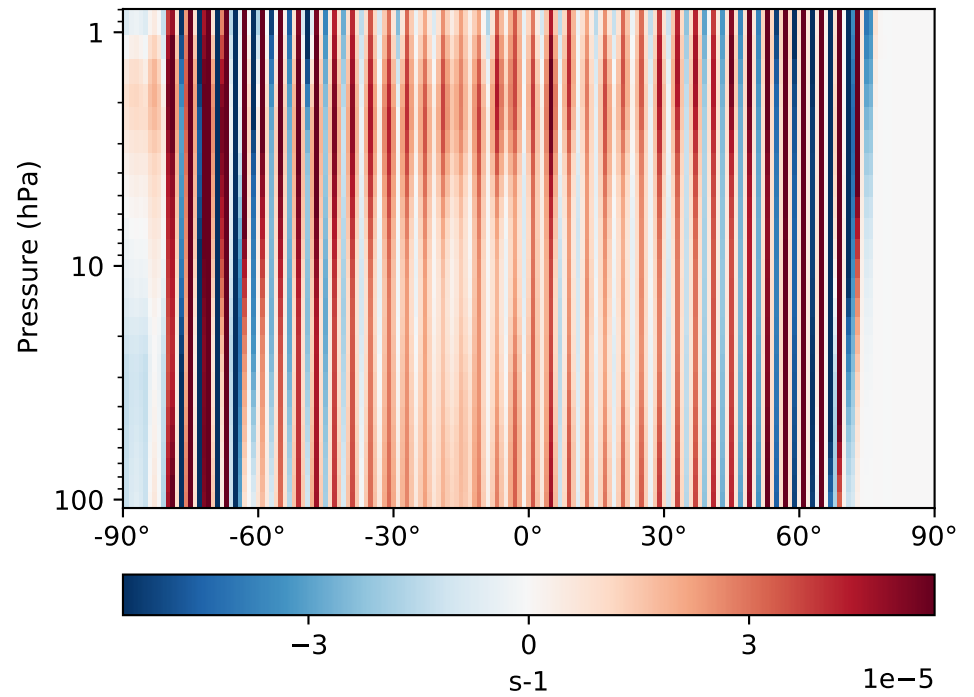
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regridged from c48



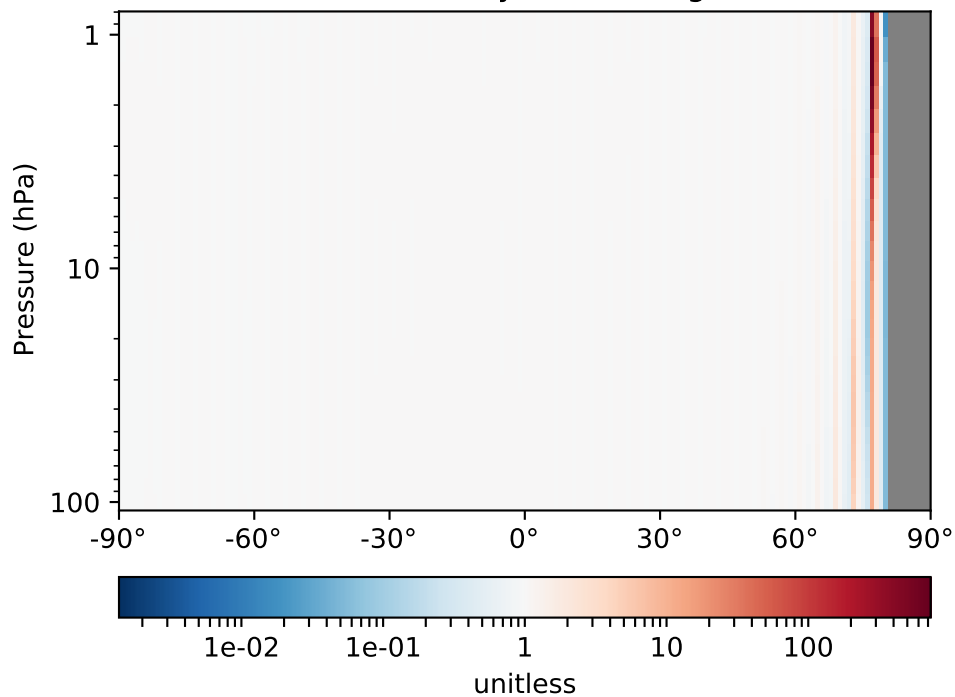
Difference (1x1.25)
Dev - Ref, Dynamic Range



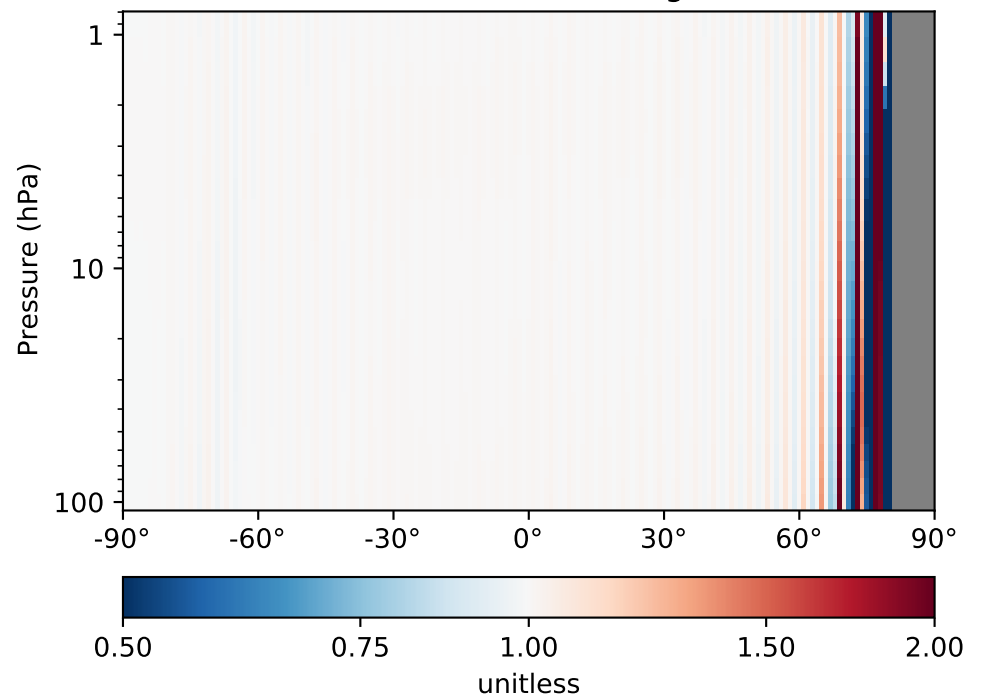
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

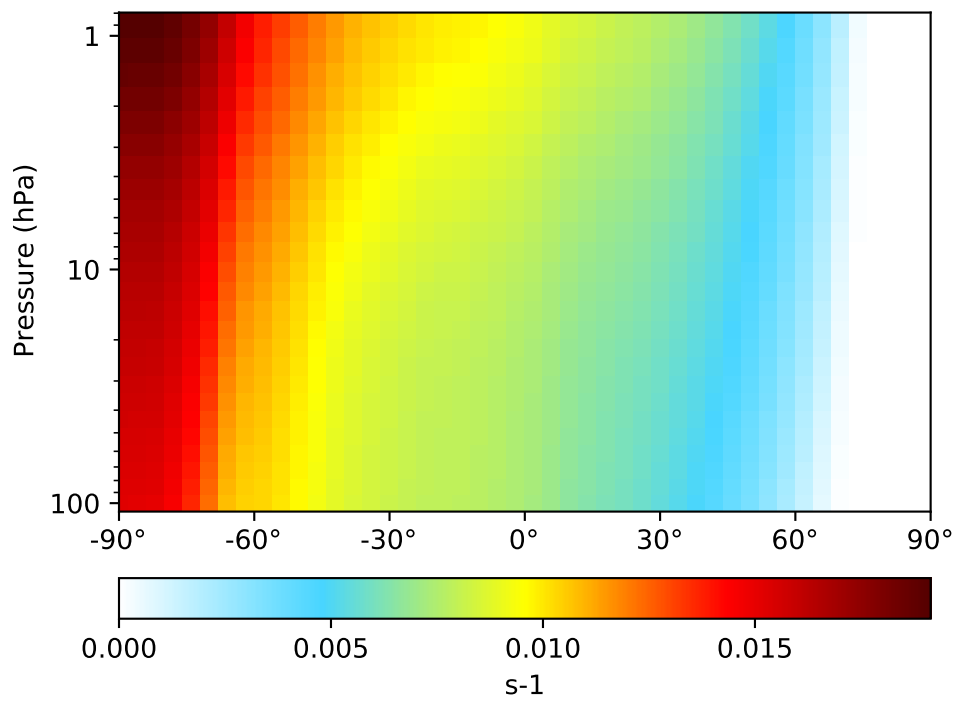


Ratio (1x1.25)
Dev/Ref, Fixed Range

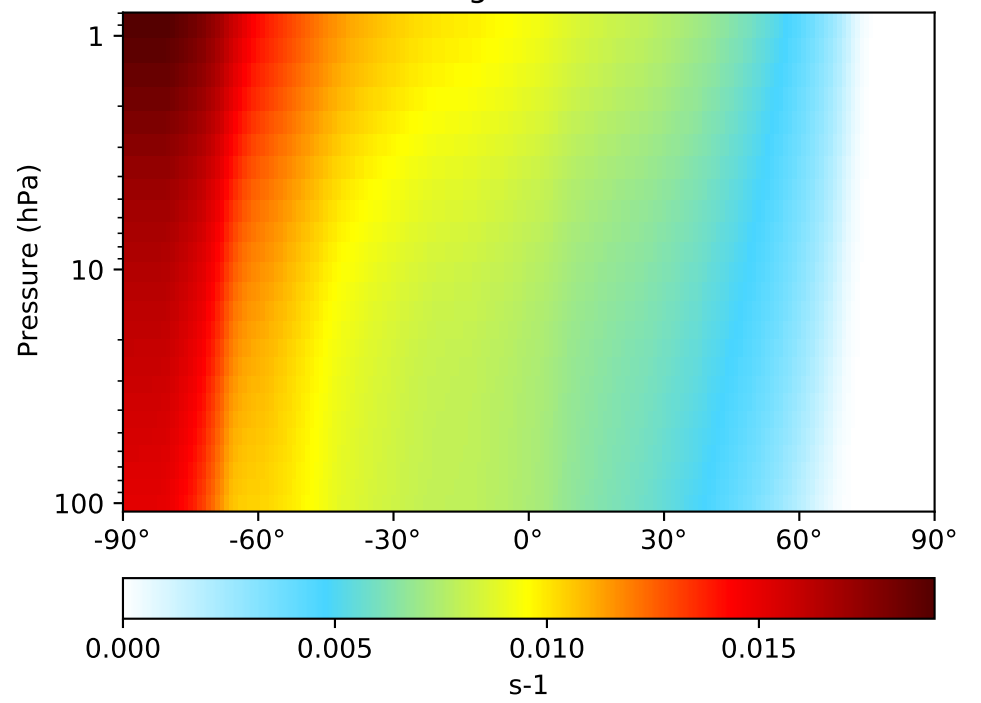


Jval_IONO2, Zonal Mean (Jan2019)

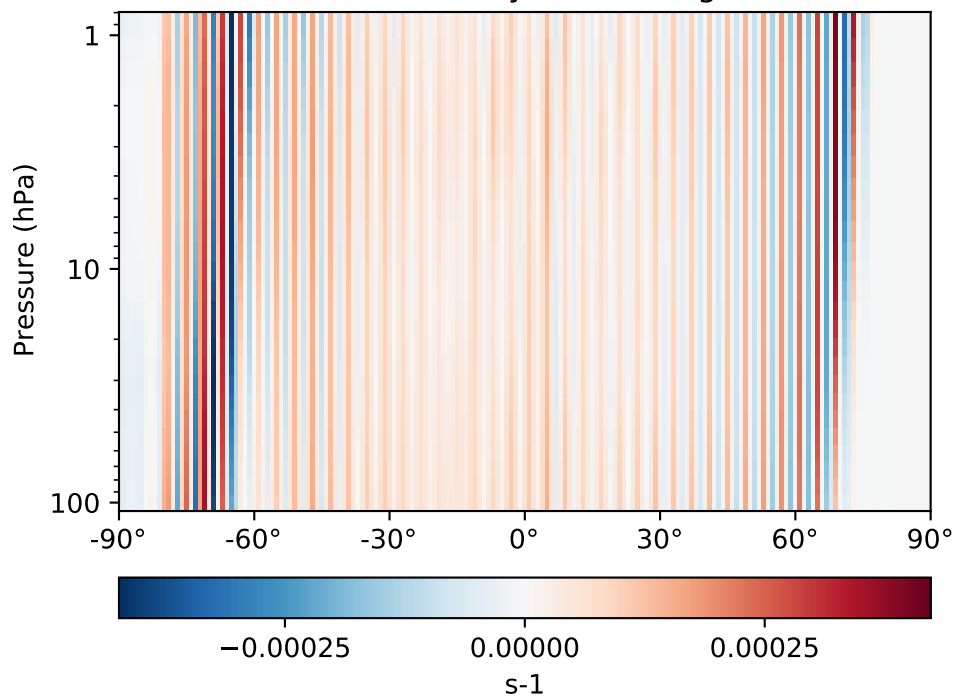
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



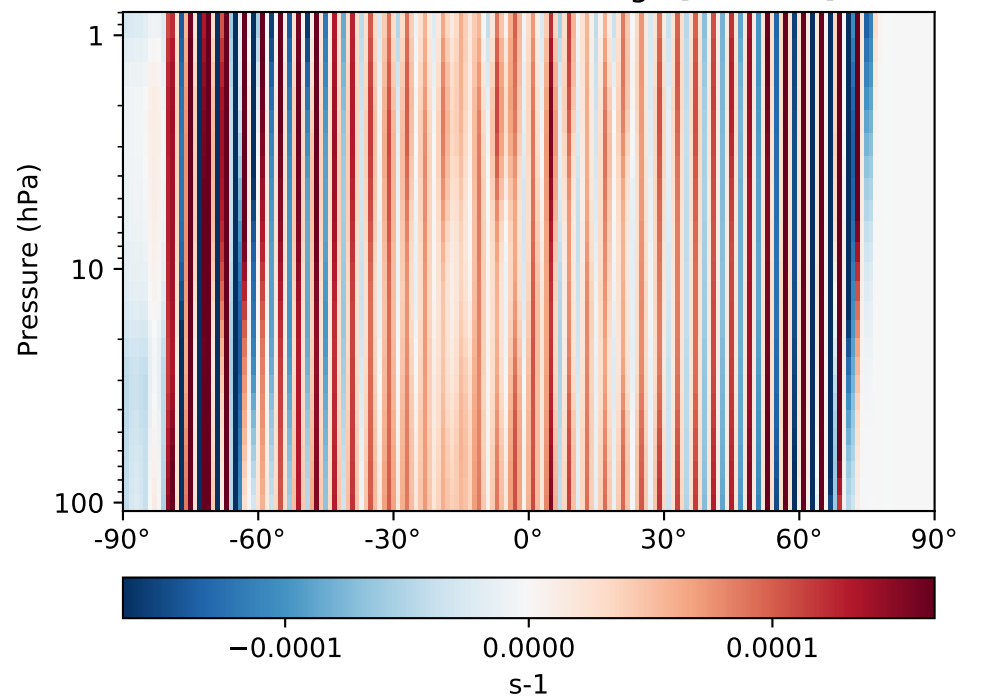
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



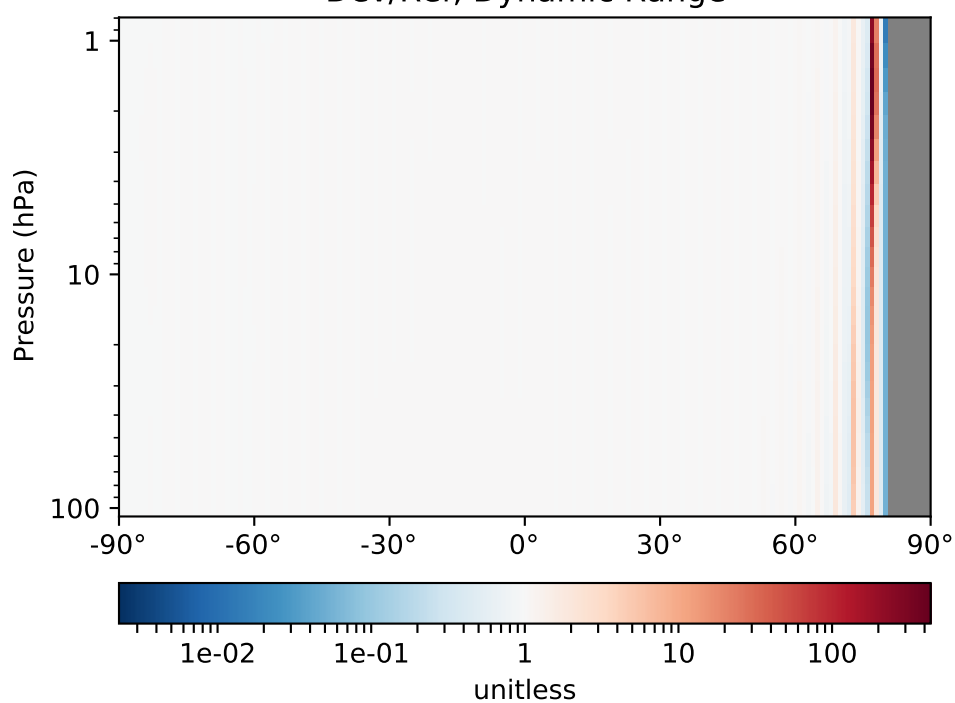
Difference (1x1.25)
Dev - Ref, Dynamic Range



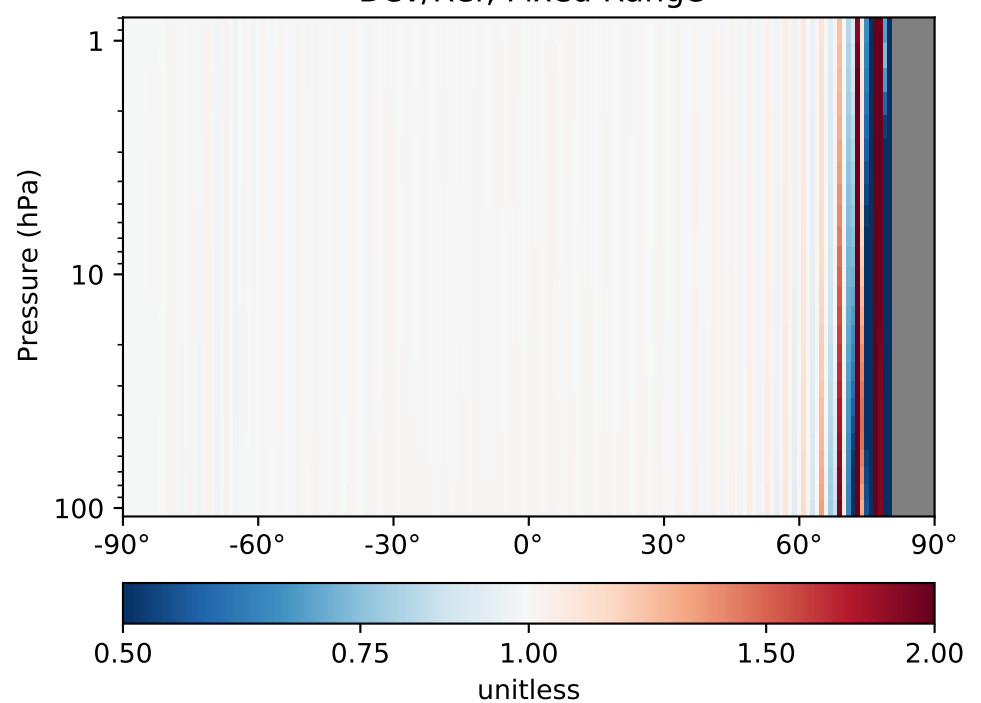
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

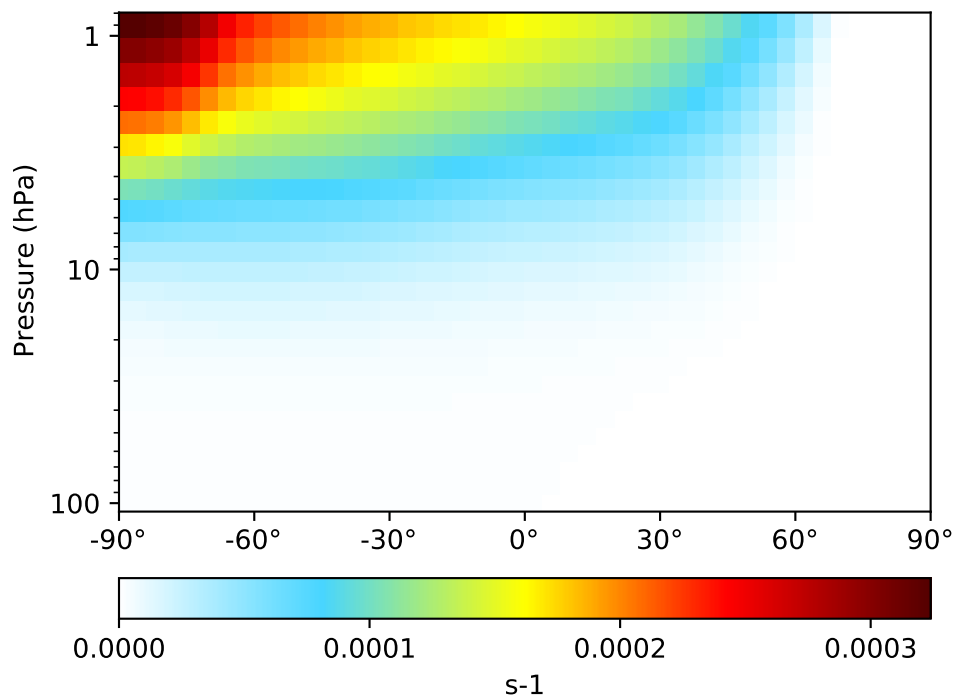


Ratio (1x1.25)
Dev/Ref, Fixed Range

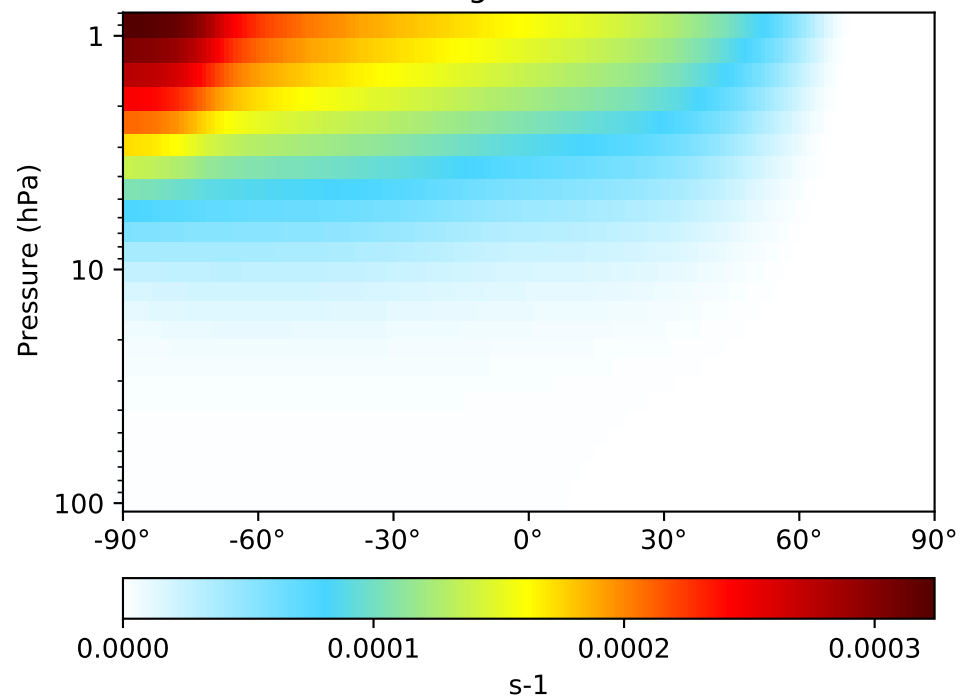


Jval_IPRNO3, Zonal Mean (Jan2019)

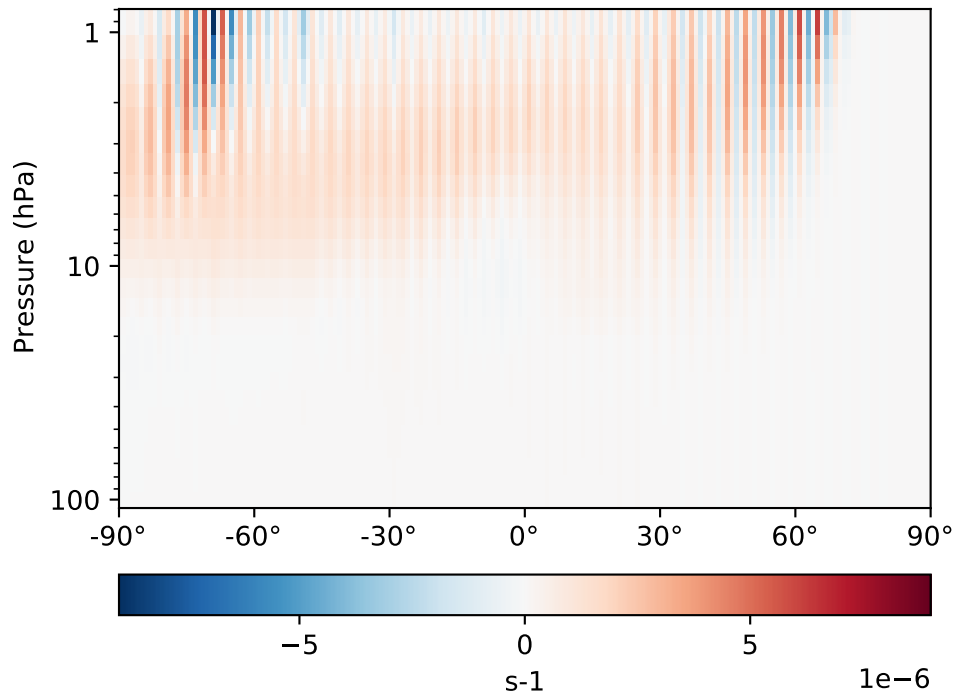
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



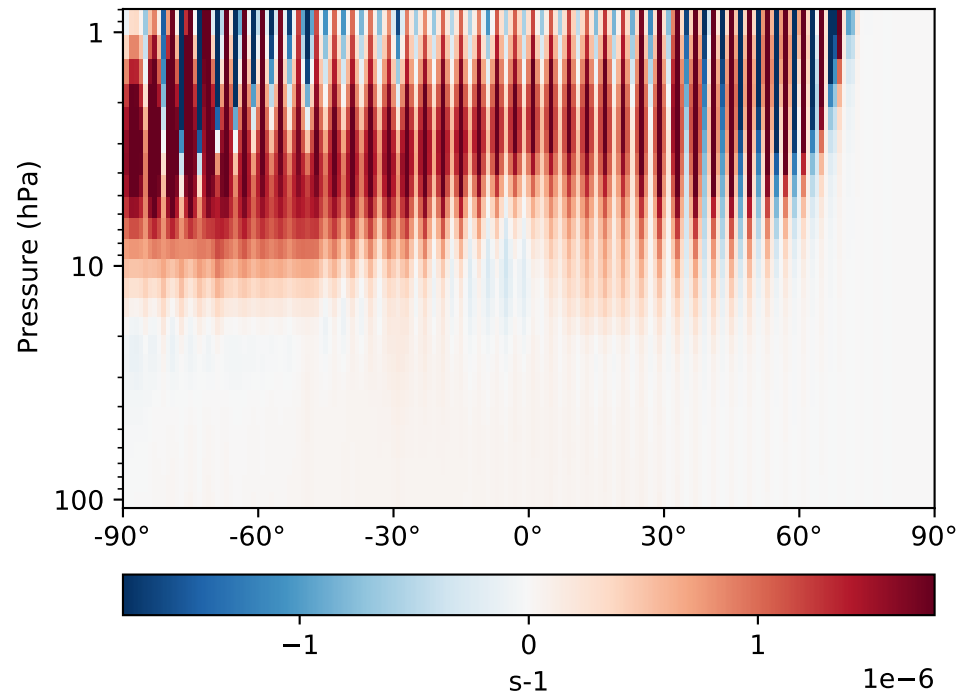
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



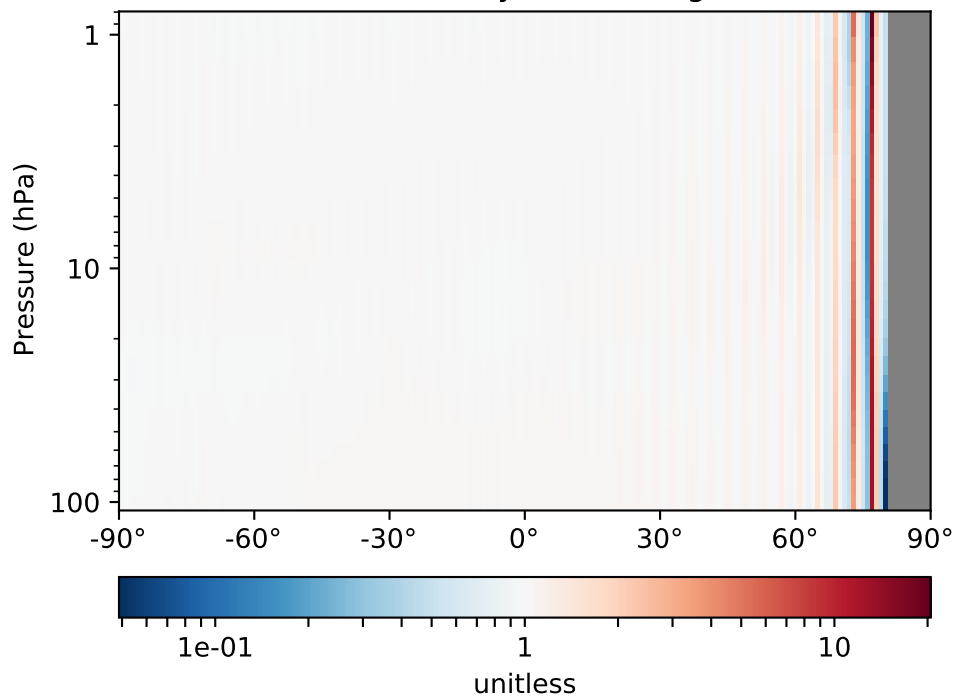
Difference (1x1.25)
Dev - Ref, Dynamic Range



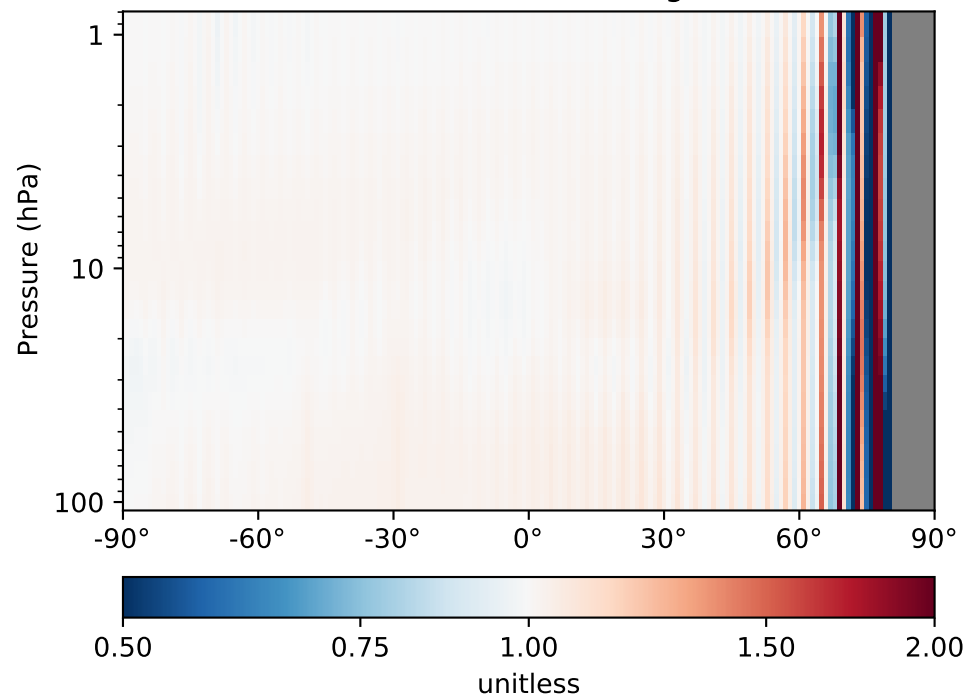
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

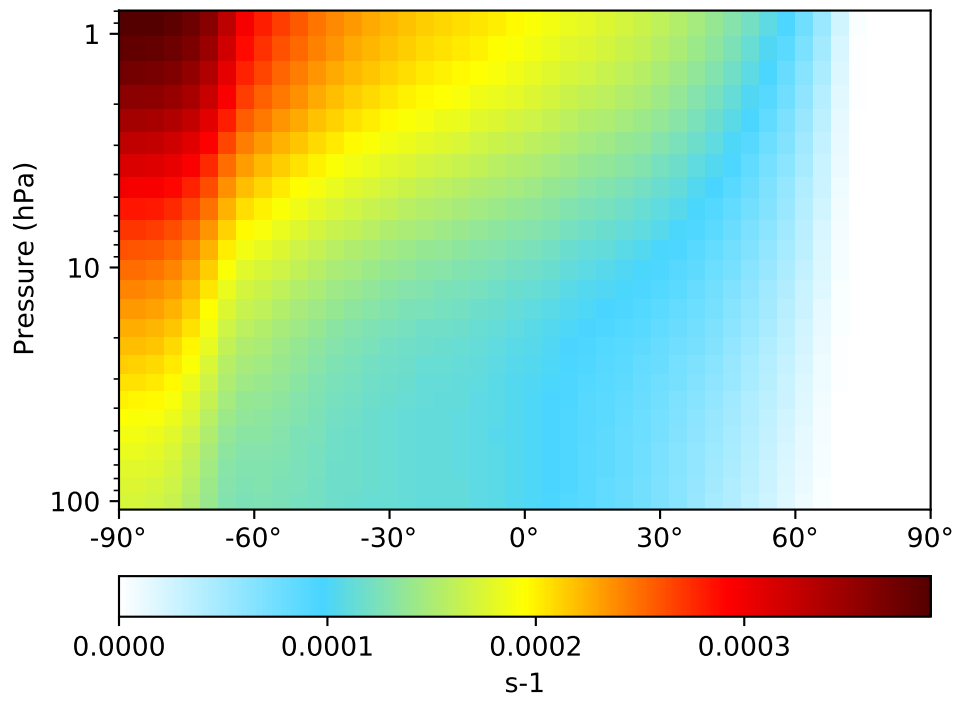


Ratio (1x1.25)
Dev/Ref, Fixed Range

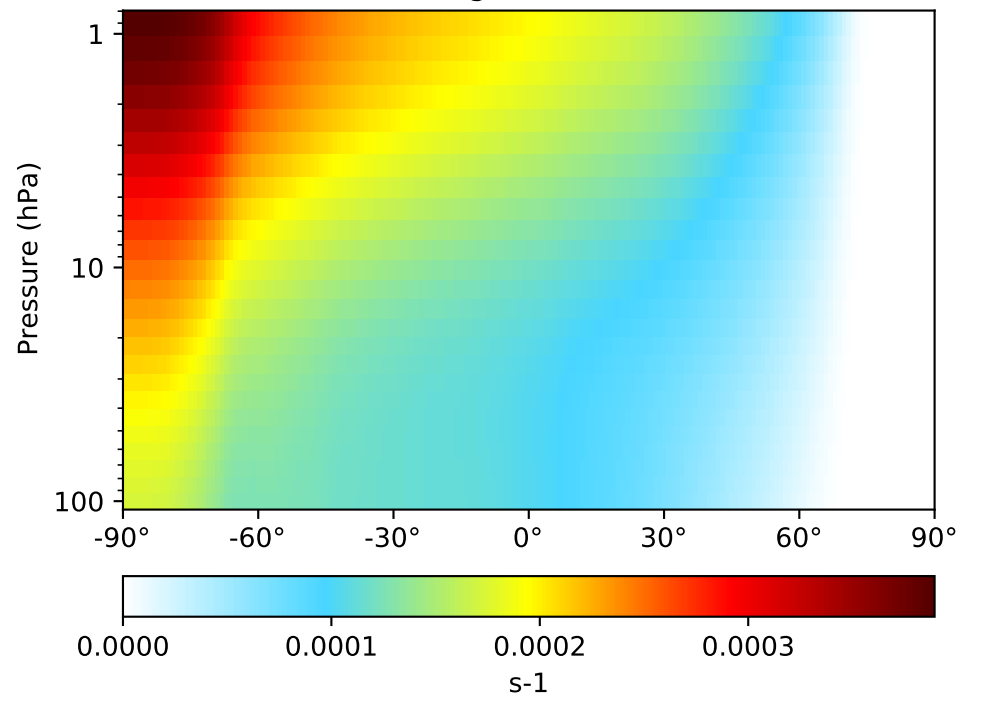


Jval_ITCN, Zonal Mean (Jan2019)

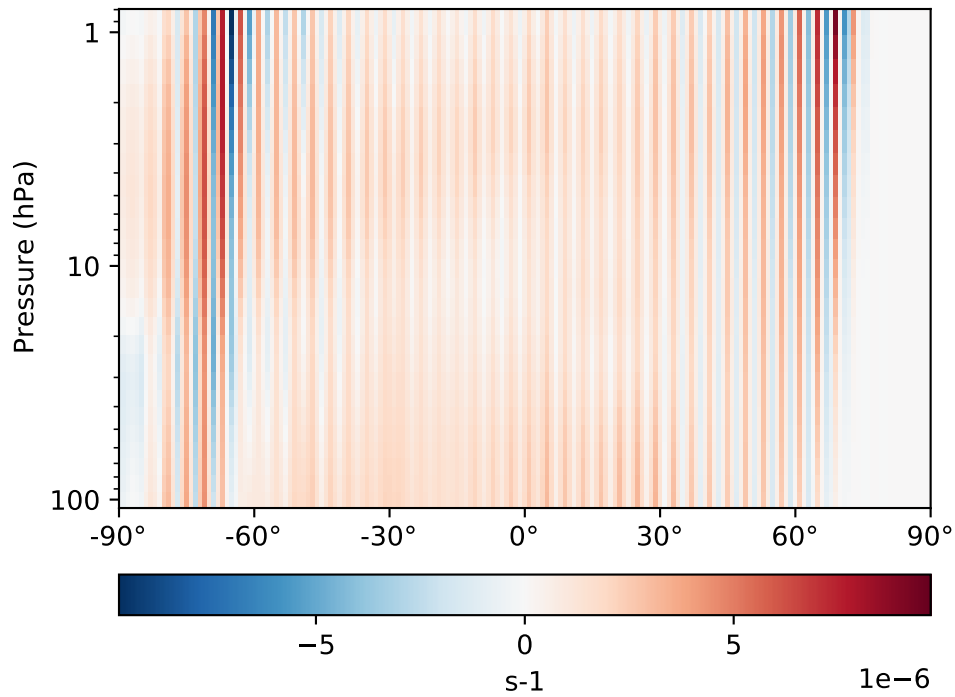
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



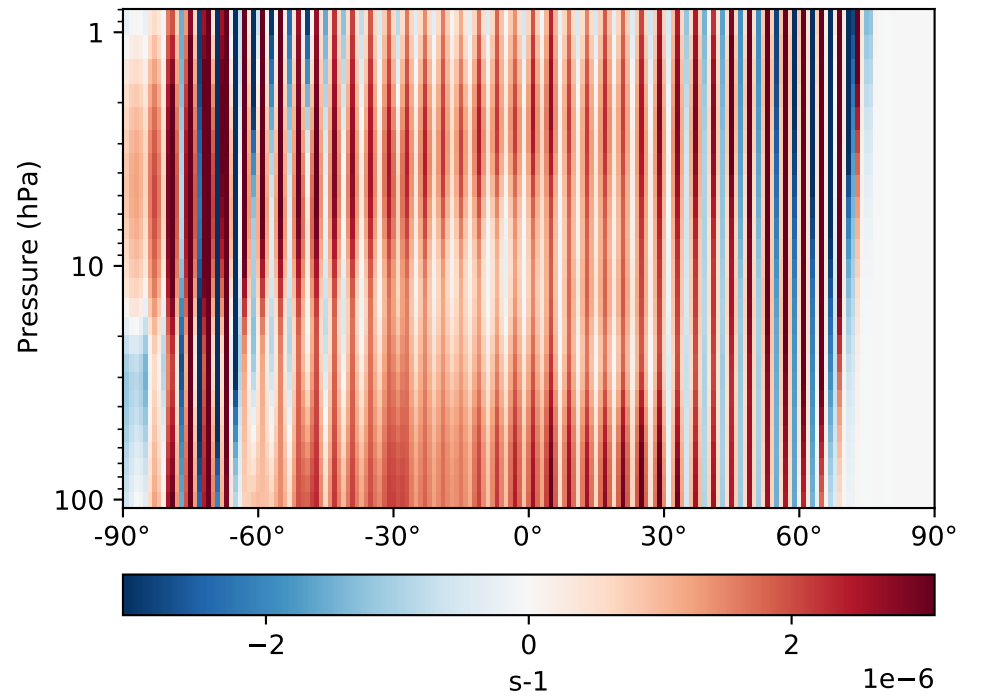
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regridged from c48



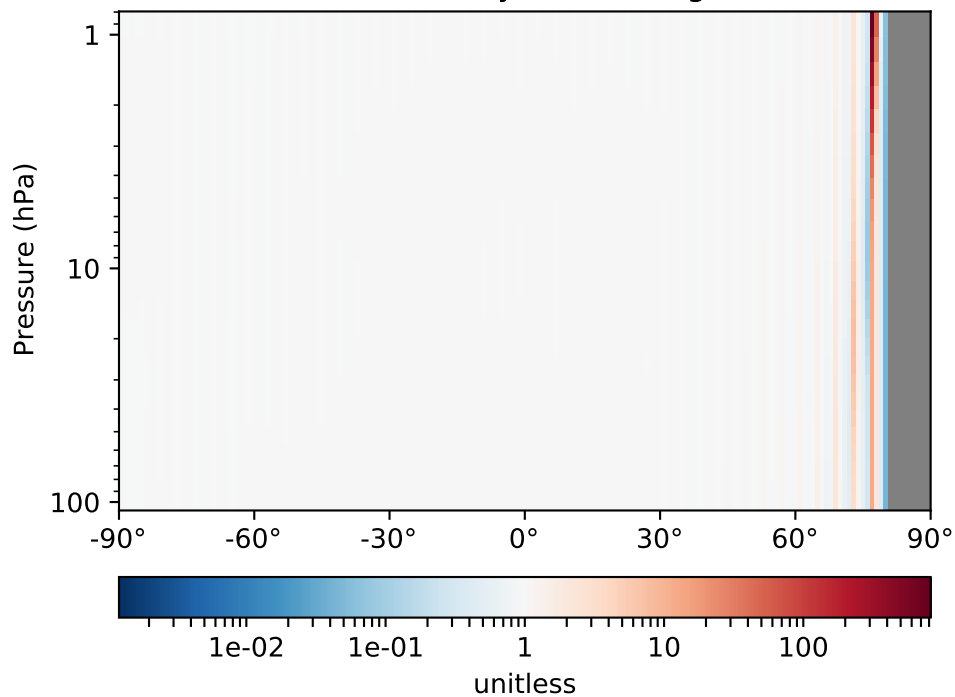
Difference (1x1.25)
Dev - Ref, Dynamic Range



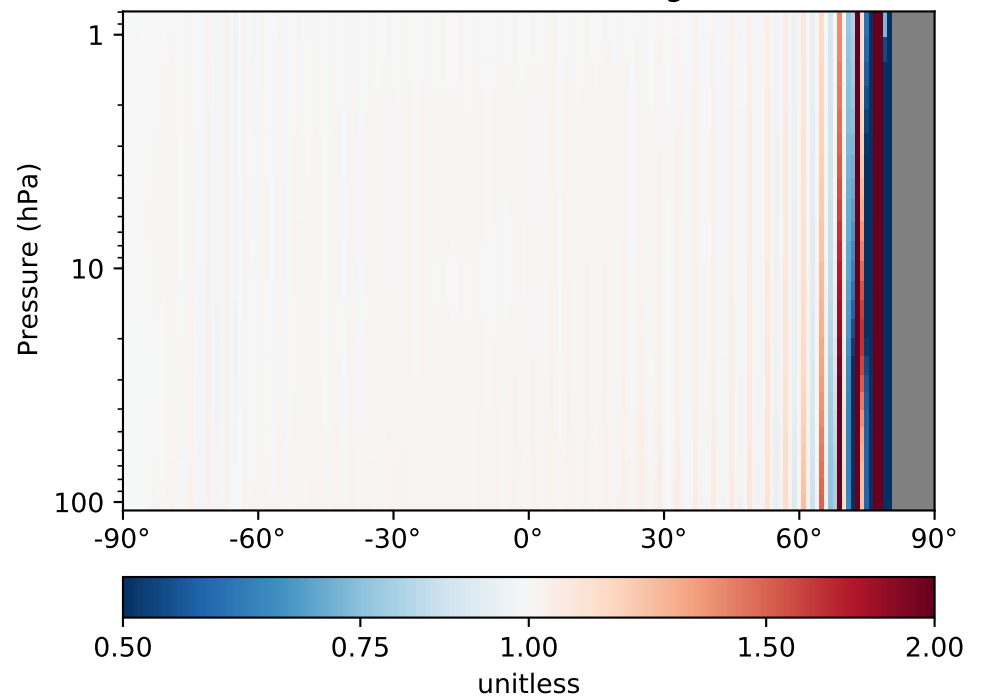
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

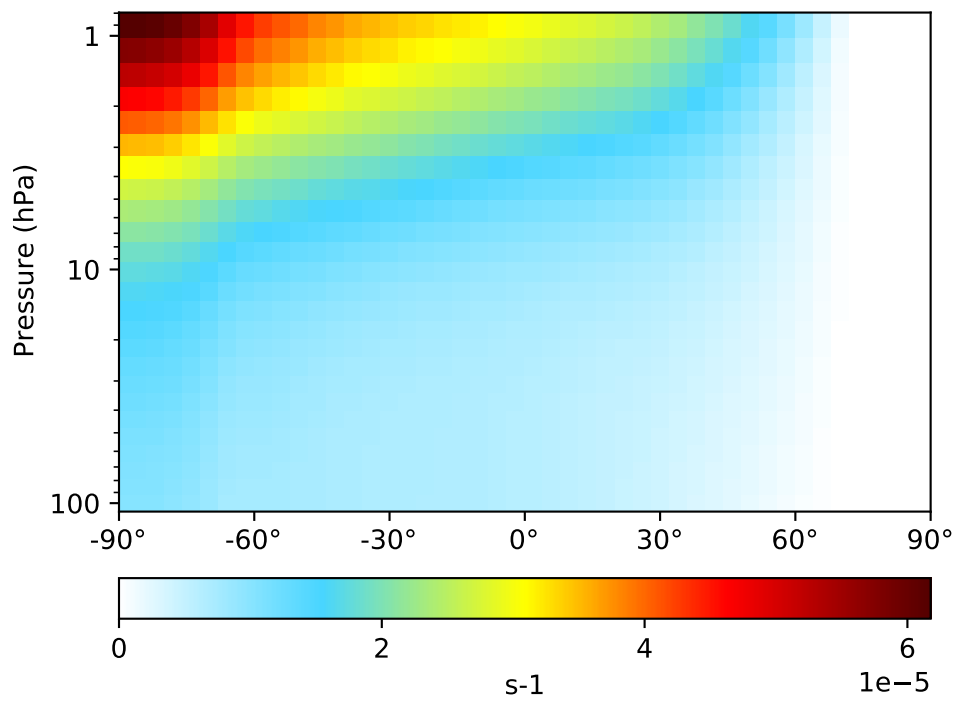


Ratio (1x1.25)
Dev/Ref, Fixed Range

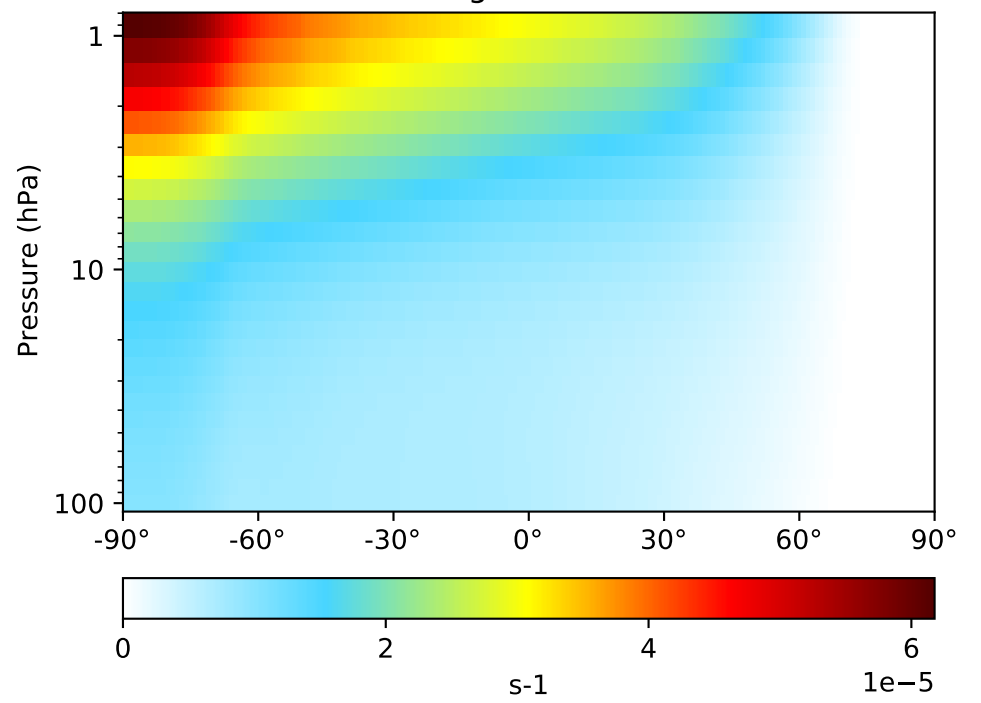


Jval_ITHN, Zonal Mean (Jan2019)

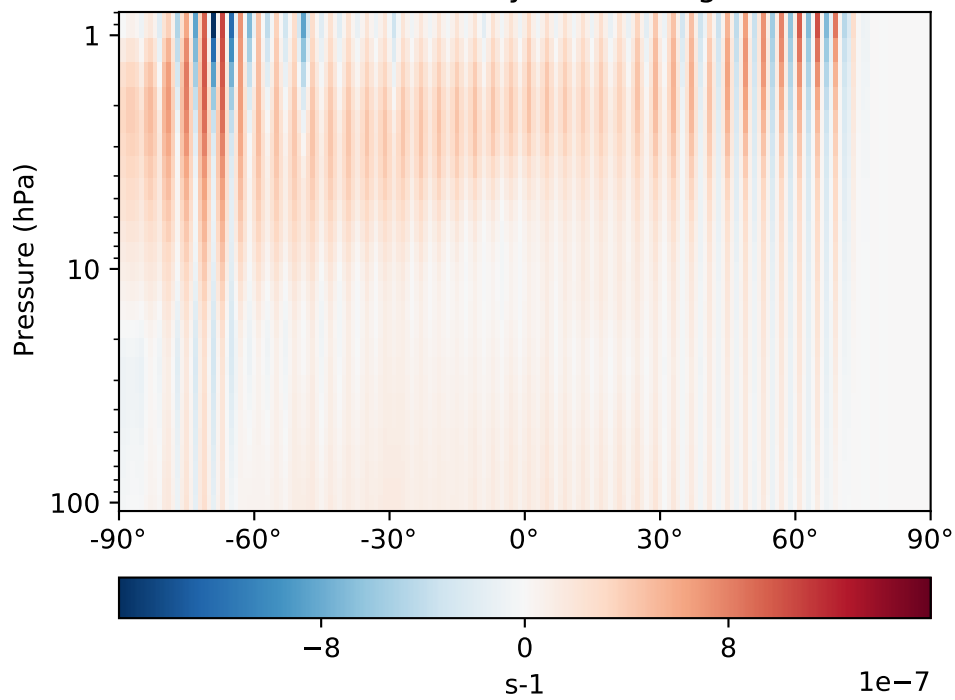
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



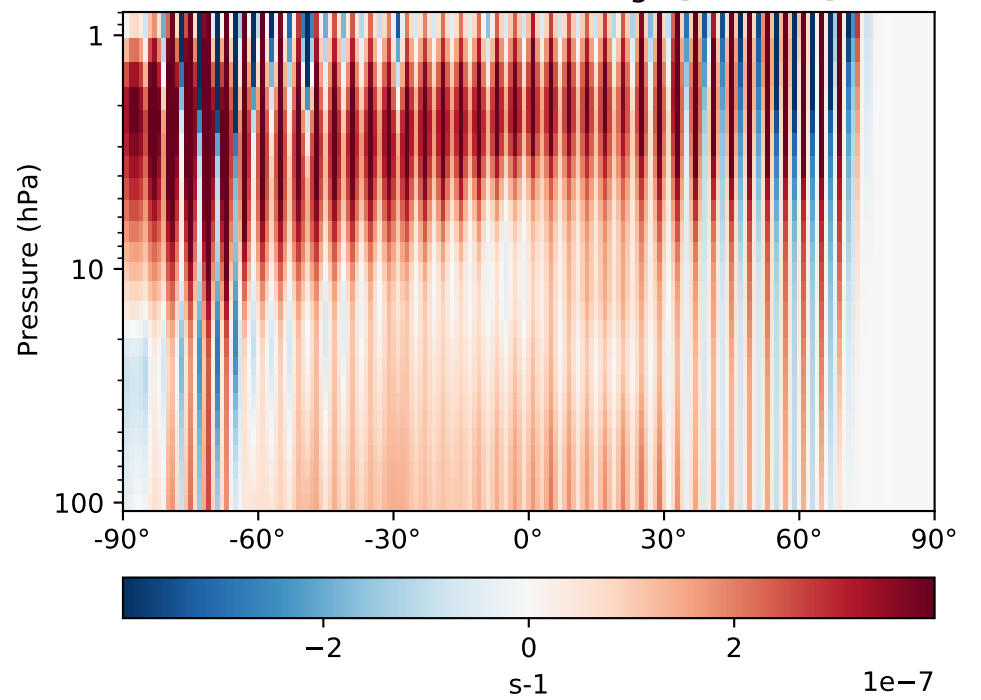
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



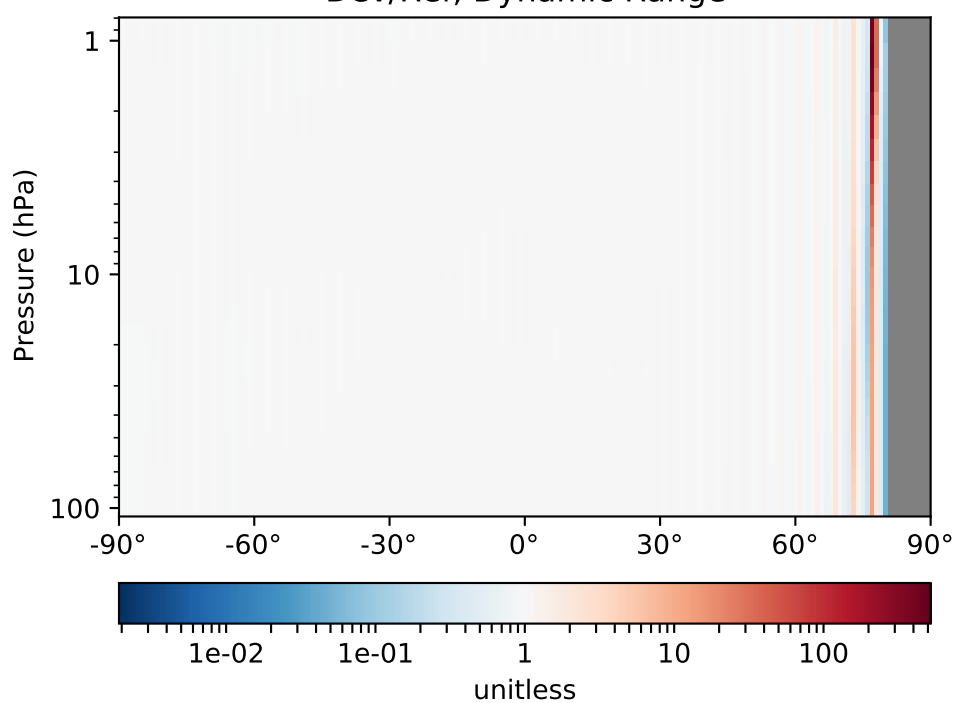
Difference (1x1.25)
Dev - Ref, Dynamic Range



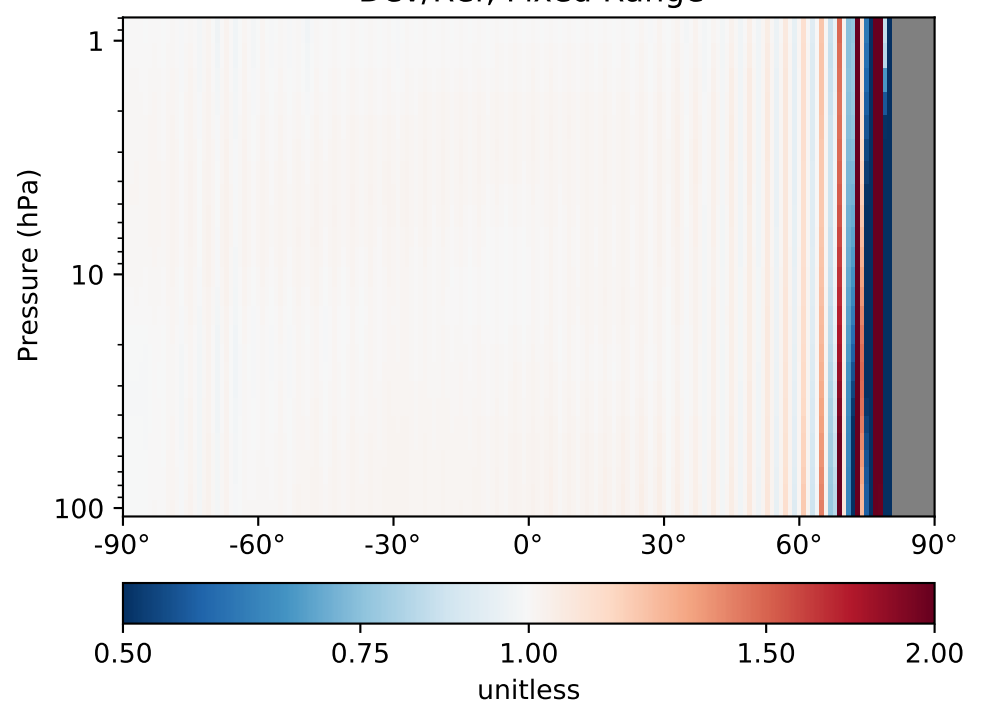
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

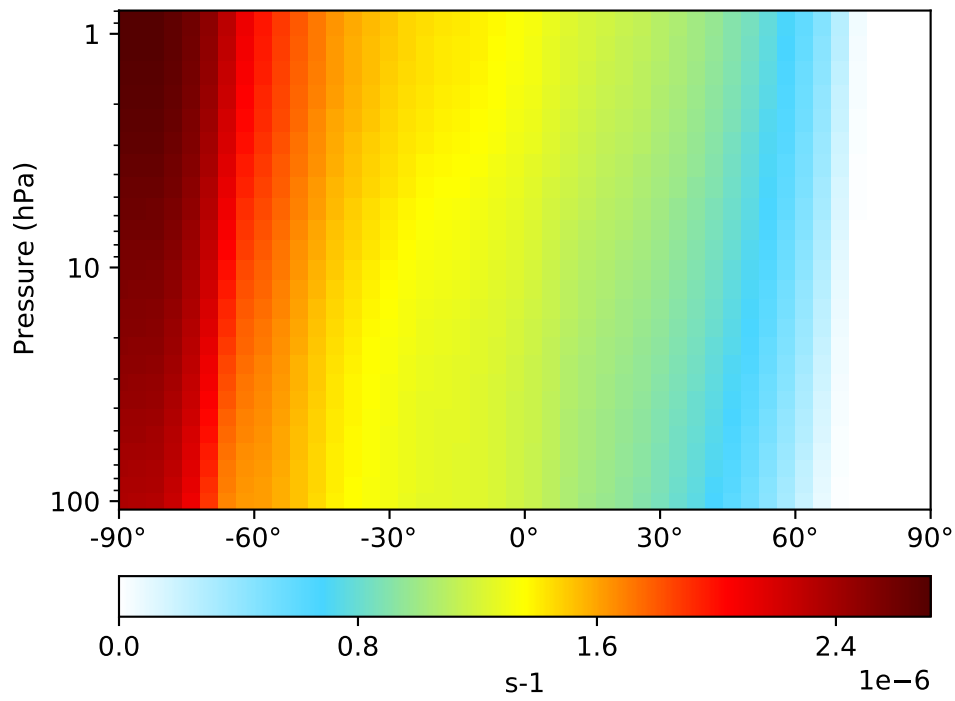


Ratio (1x1.25)
Dev/Ref, Fixed Range

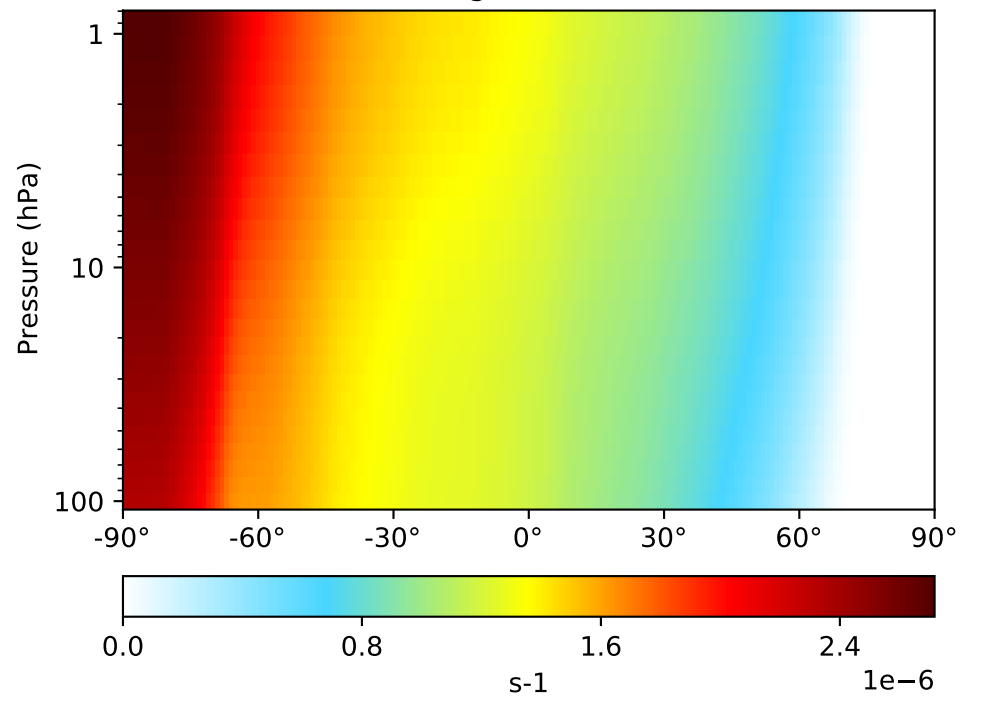


Jval_MACR, Zonal Mean (Jan2019)

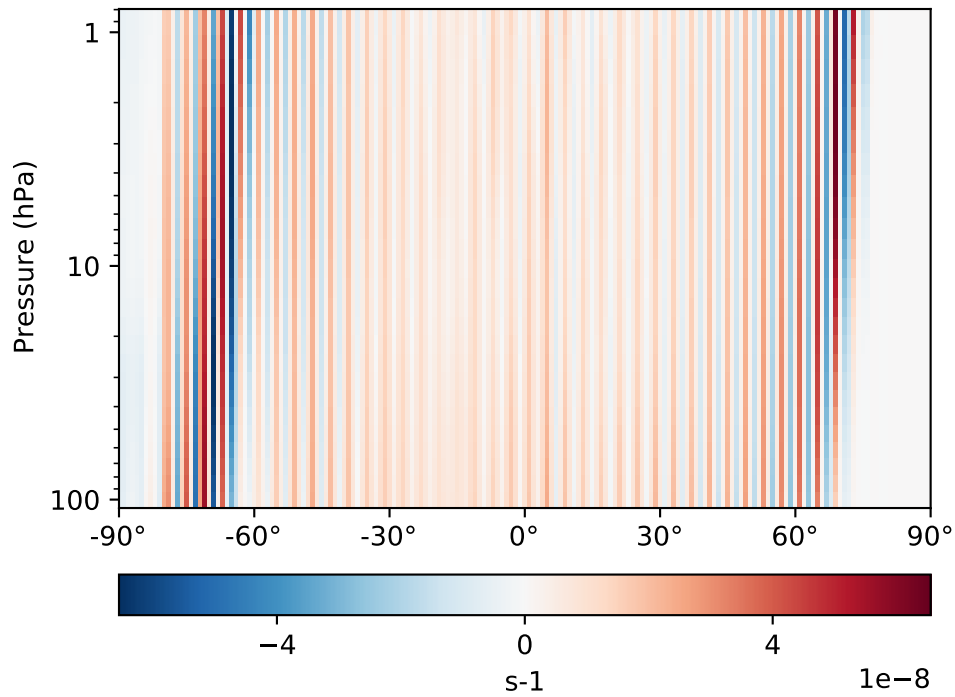
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



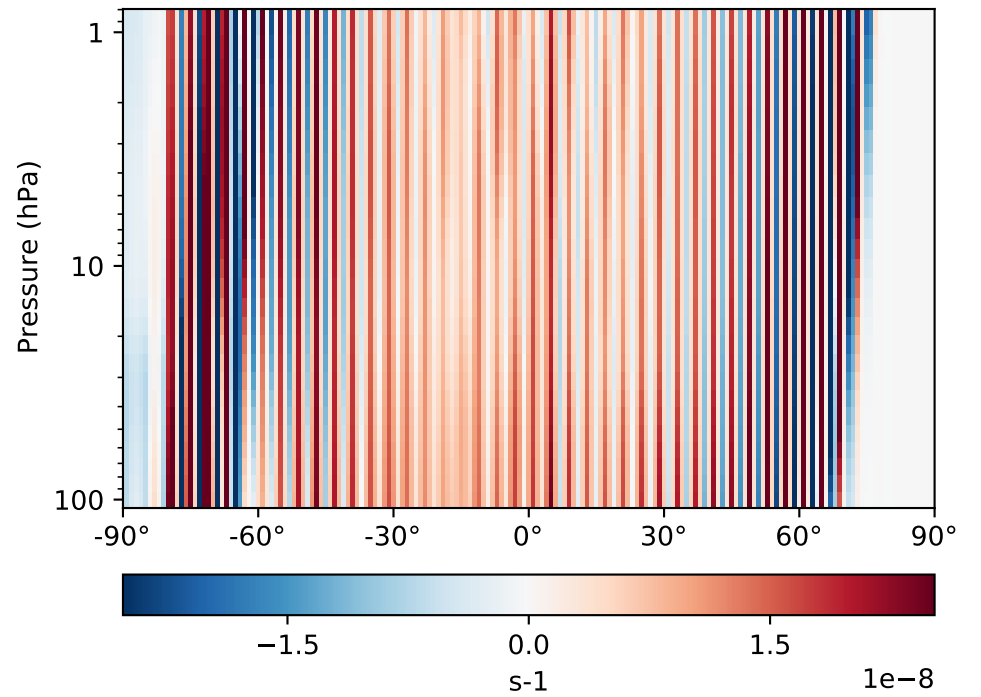
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



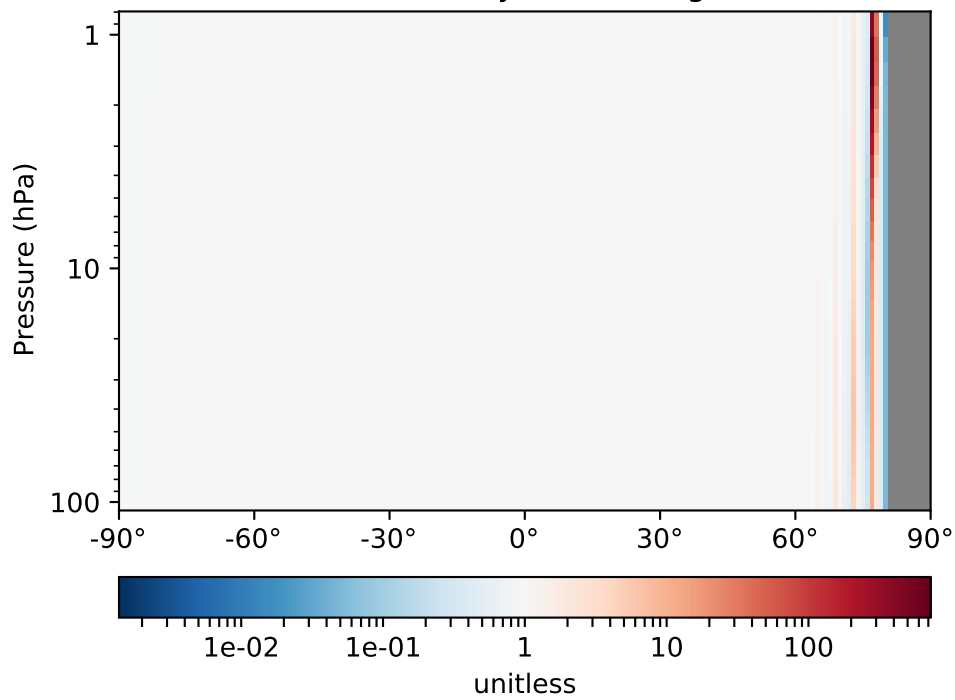
Difference (1x1.25)
Dev - Ref, Dynamic Range



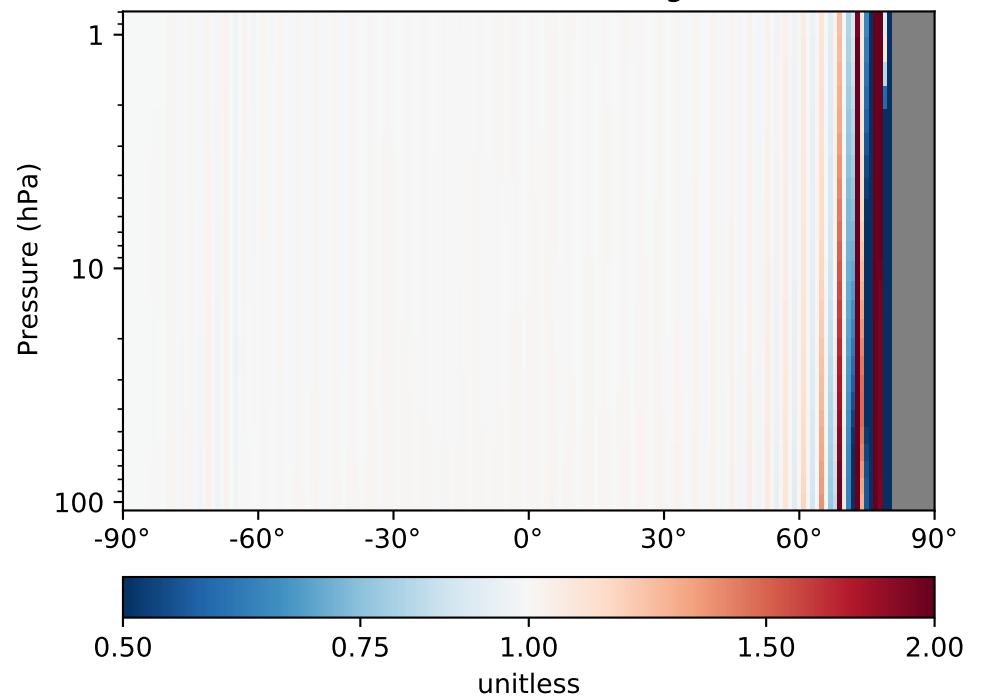
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

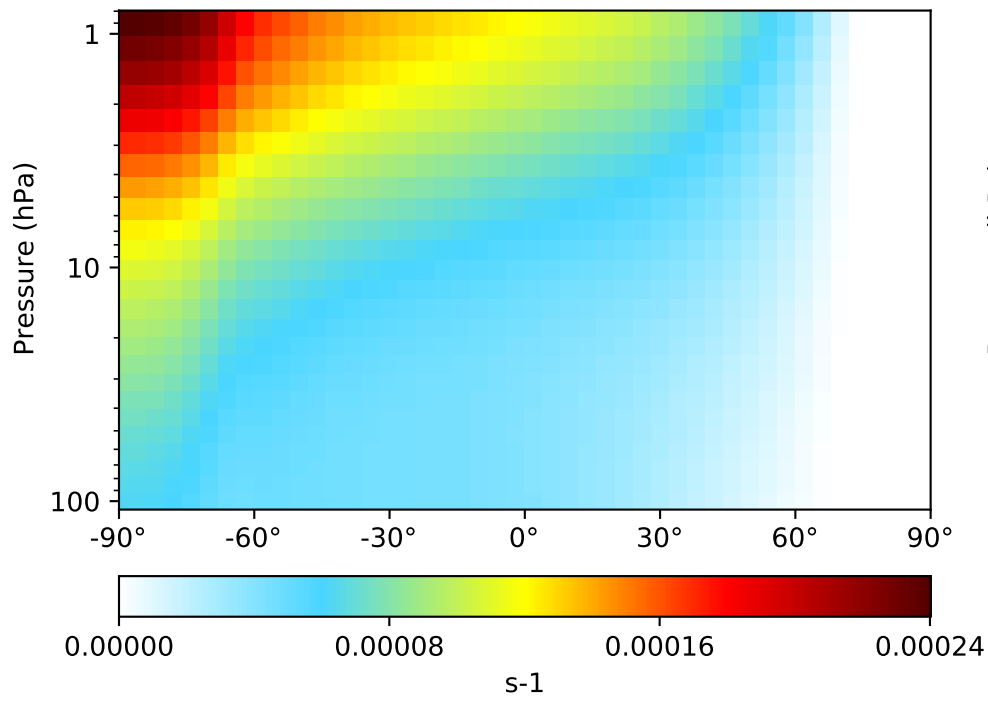


Ratio (1x1.25)
Dev/Ref, Fixed Range

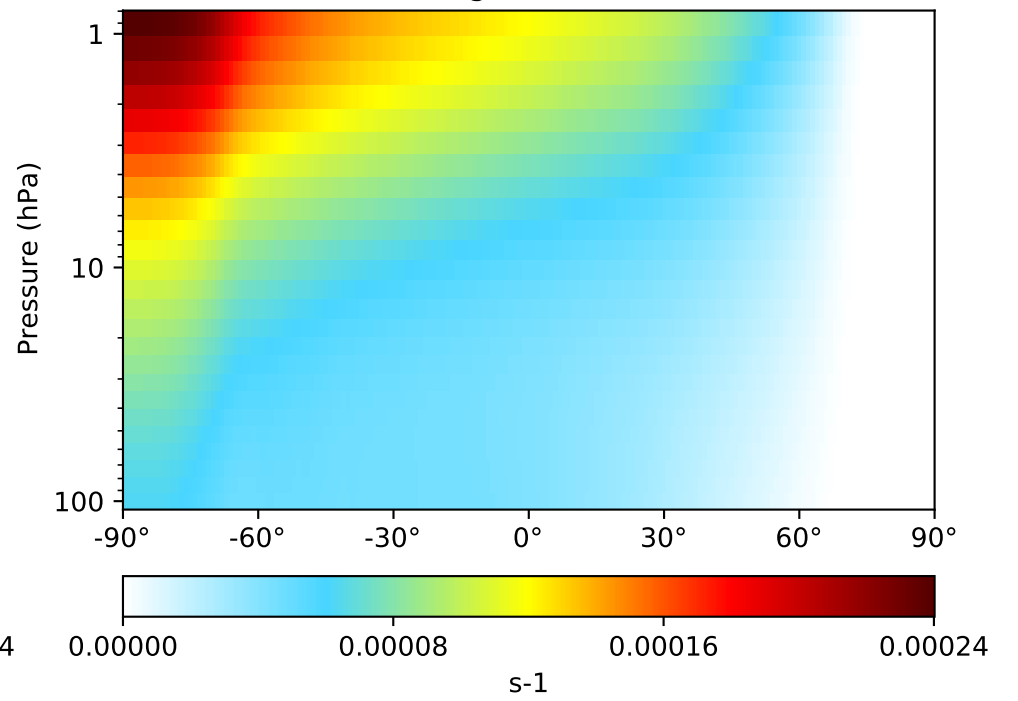


Jval_MACR100H, Zonal Mean (Jan2019)

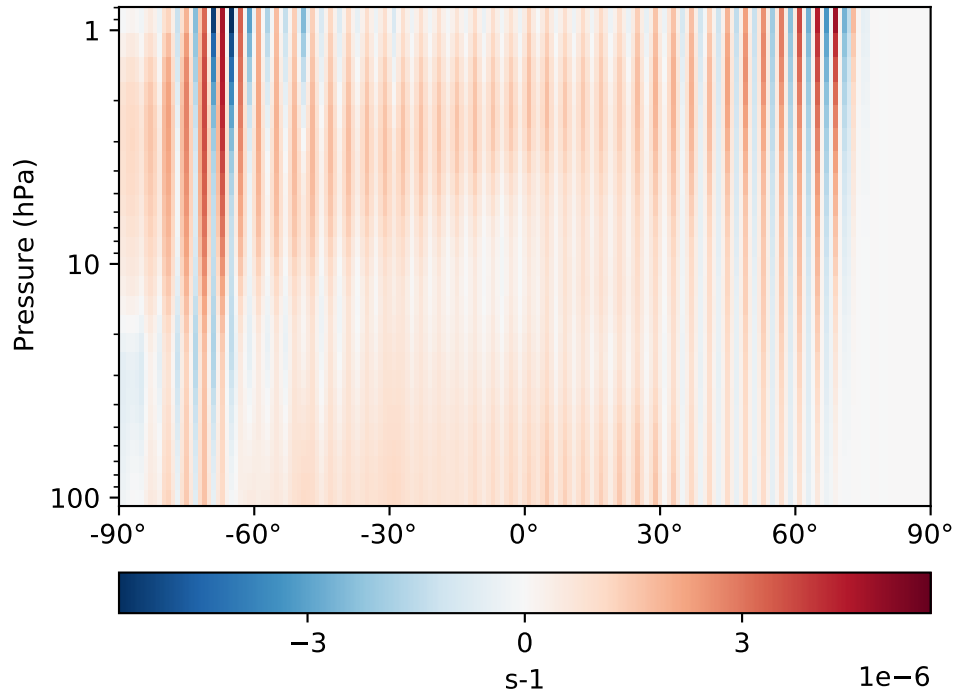
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



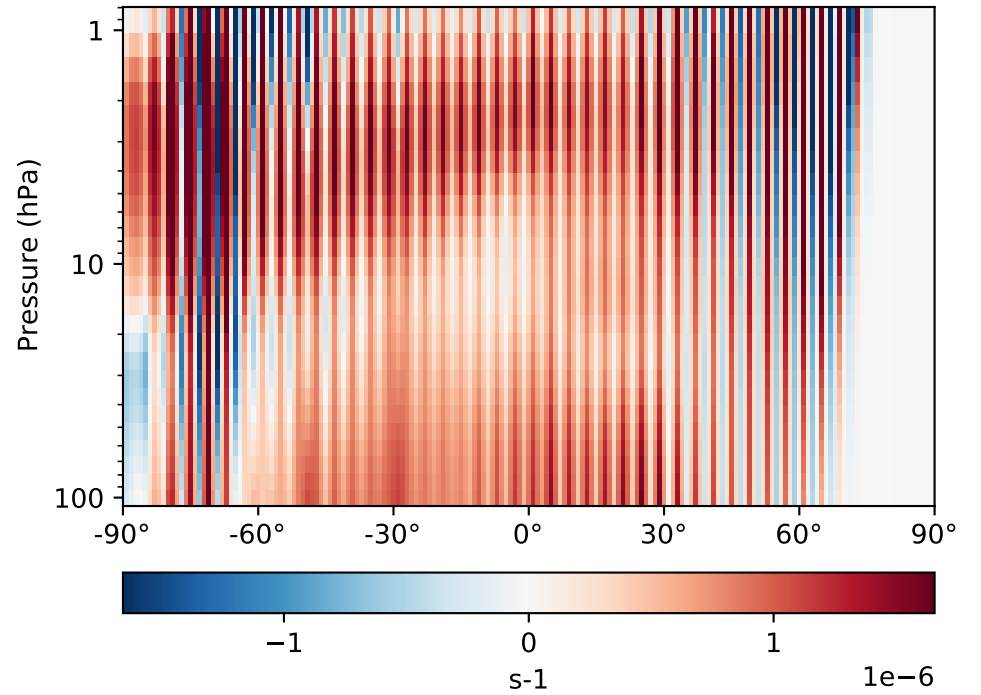
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



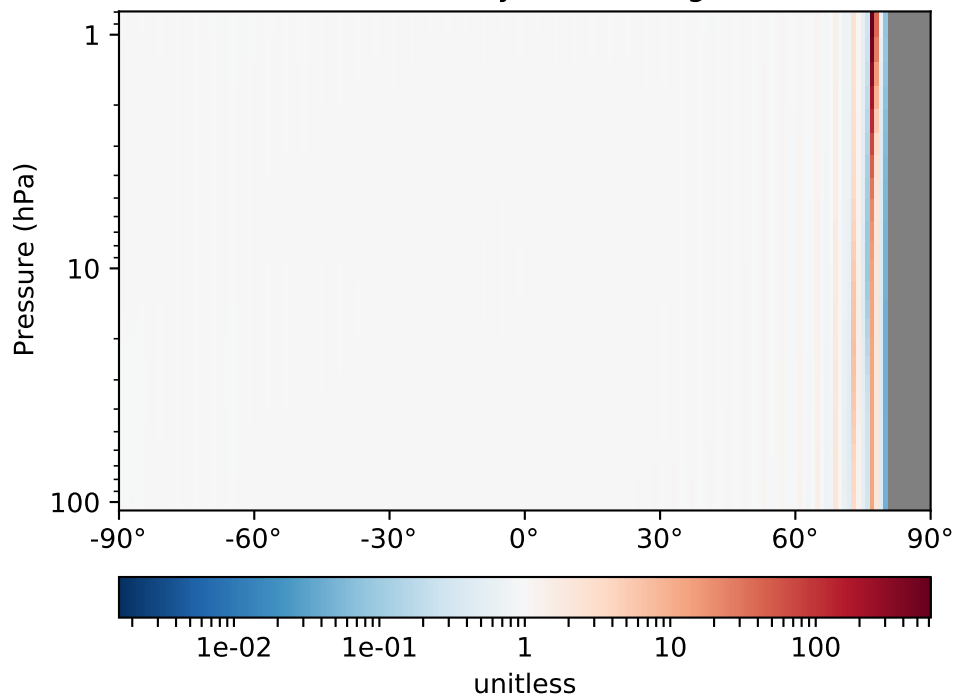
Difference (1x1.25)
Dev - Ref, Dynamic Range



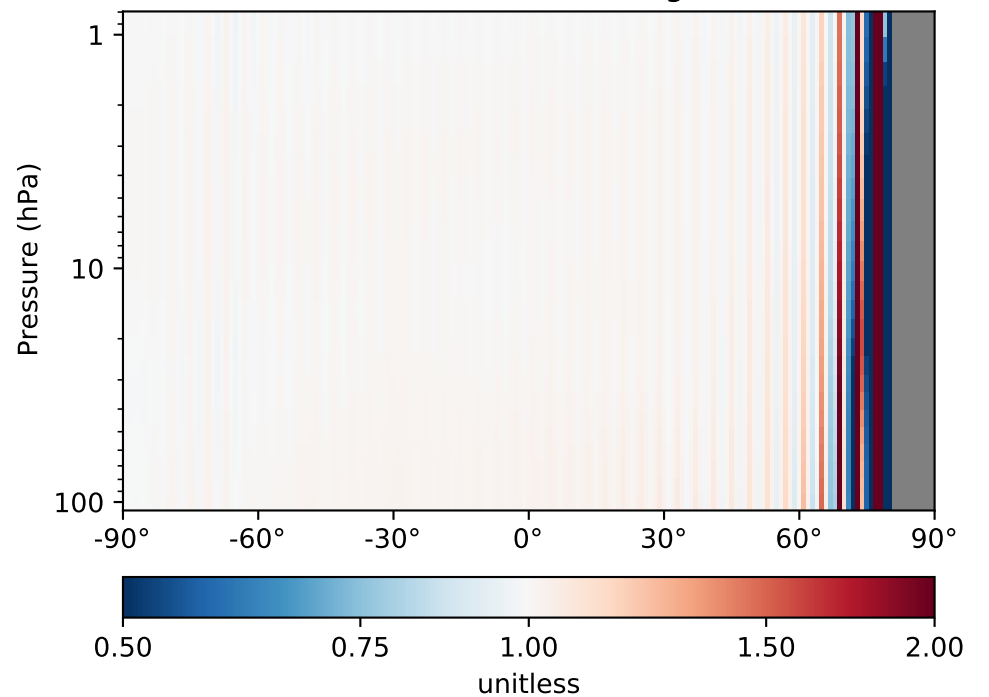
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

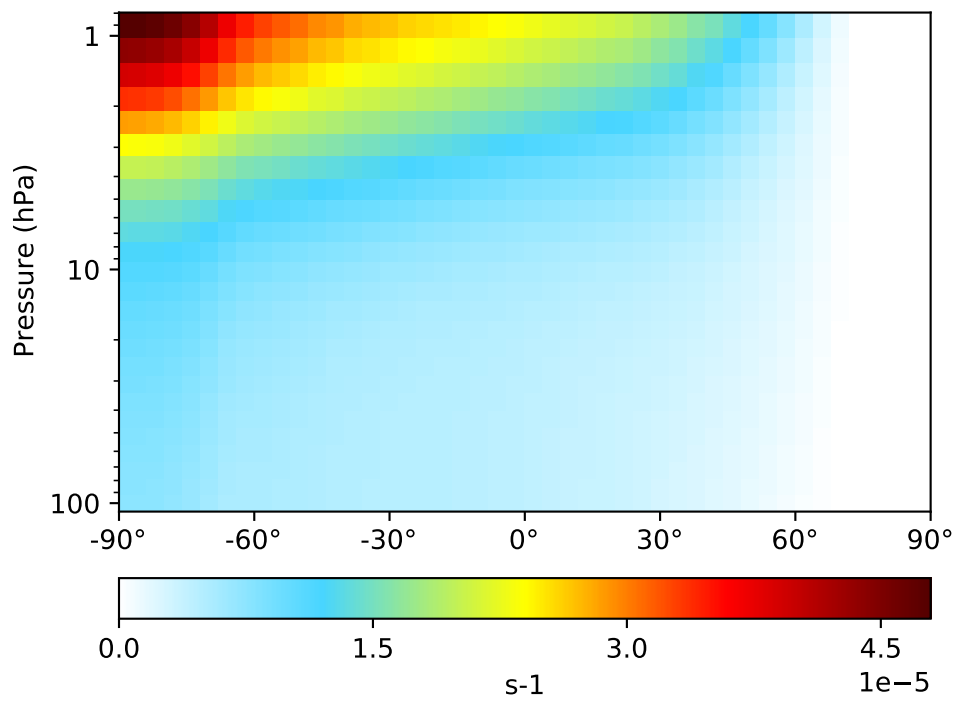


Ratio (1x1.25)
Dev/Ref, Fixed Range

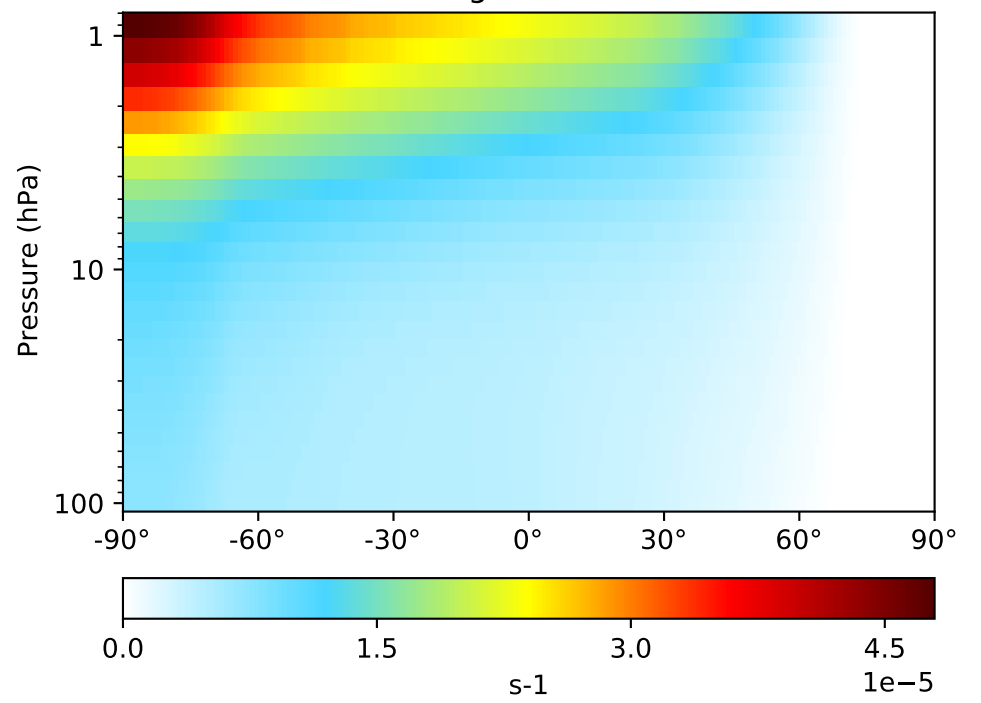


Jval_MAP, Zonal Mean (Jan2019)

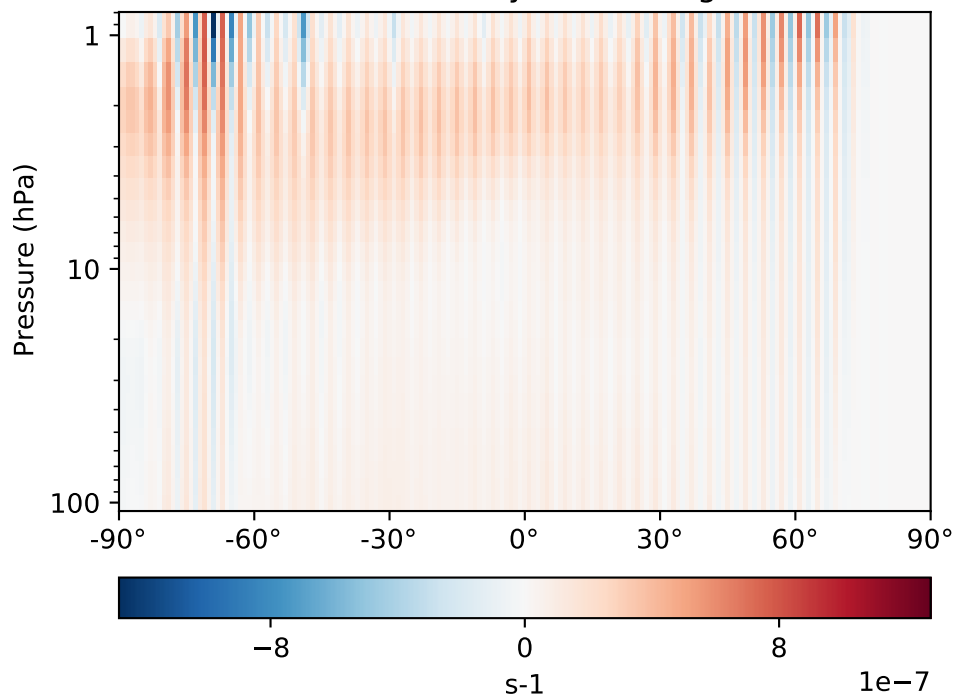
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



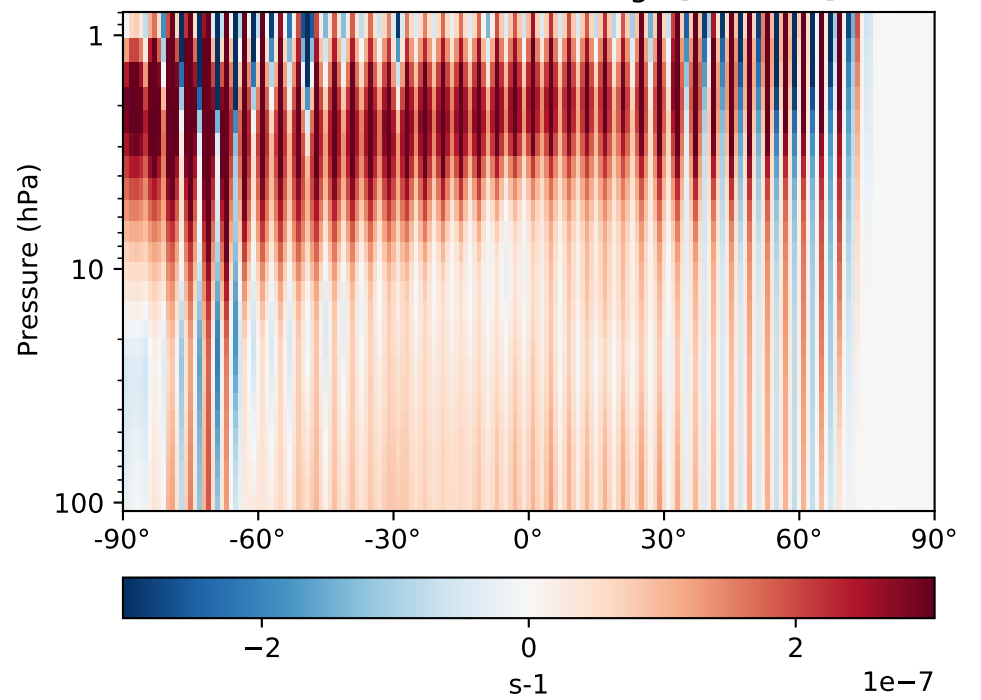
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



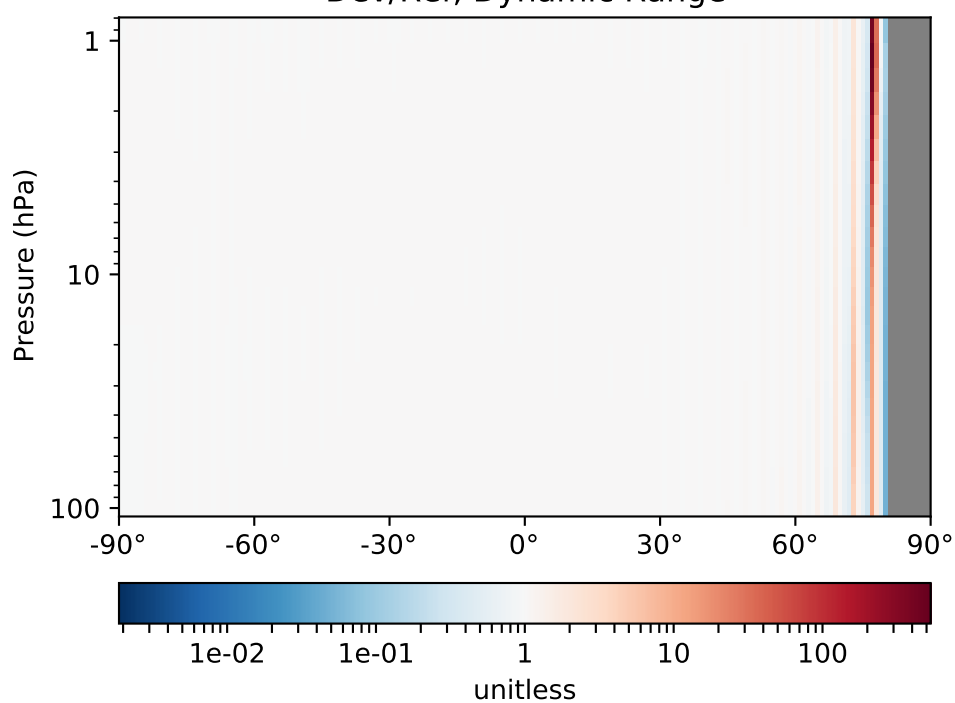
Difference (1x1.25)
Dev - Ref, Dynamic Range



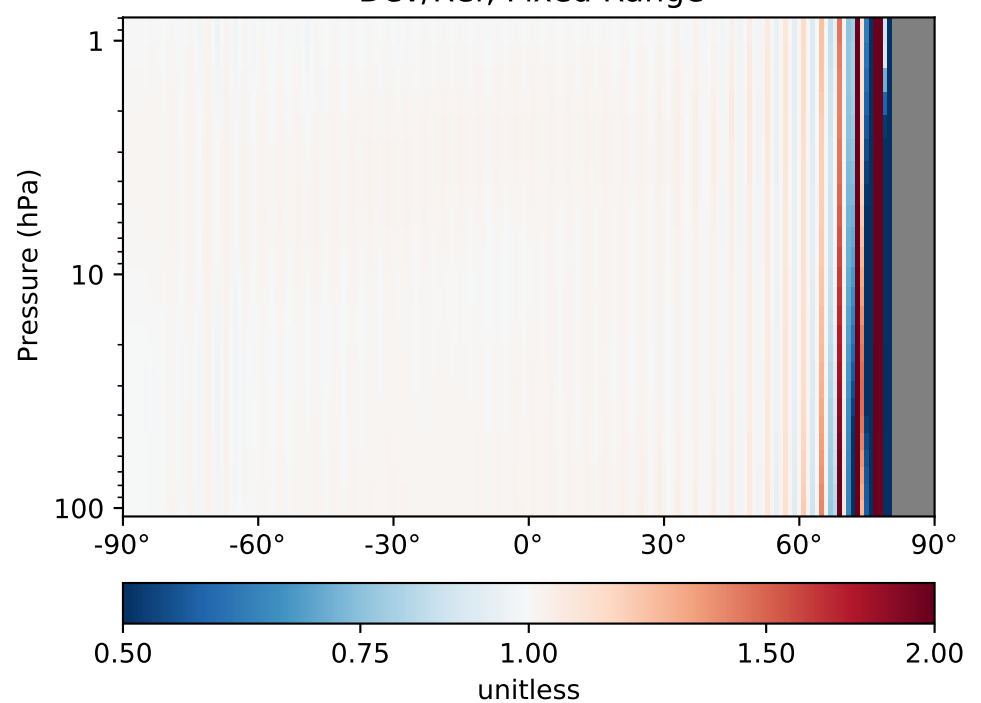
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

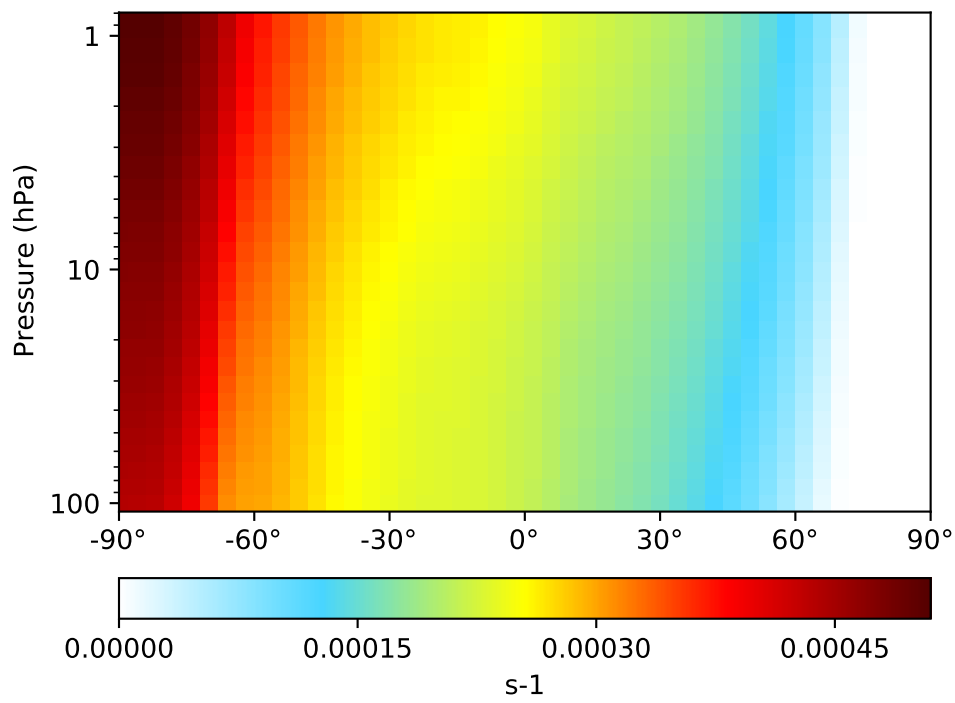


Ratio (1x1.25)
Dev/Ref, Fixed Range

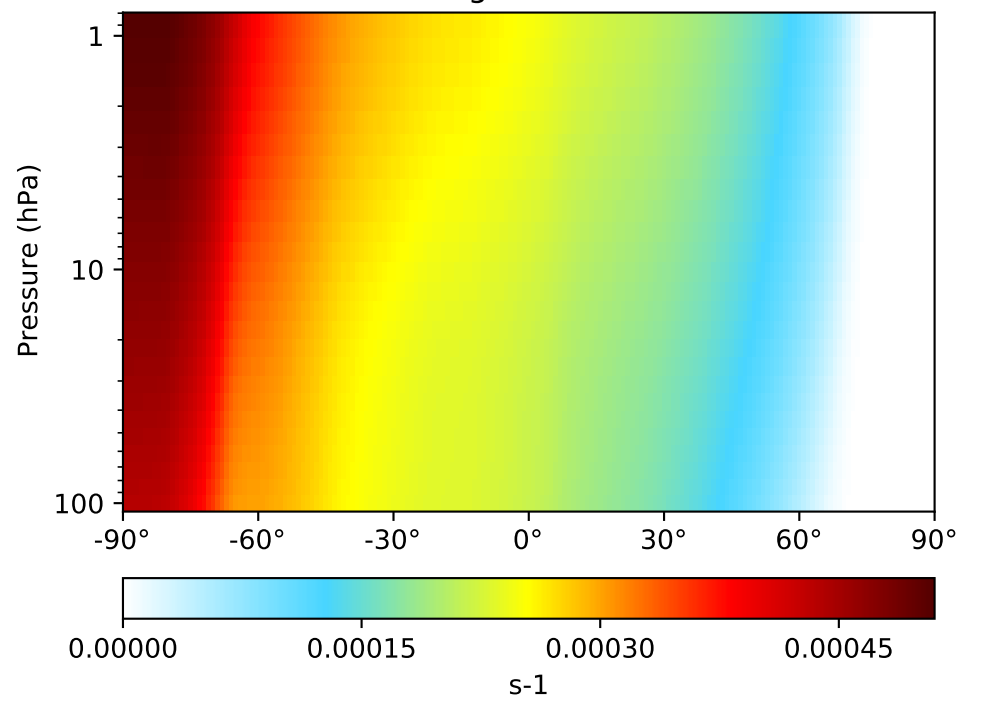


Jval_MCRENOL, Zonal Mean (Jan2019)

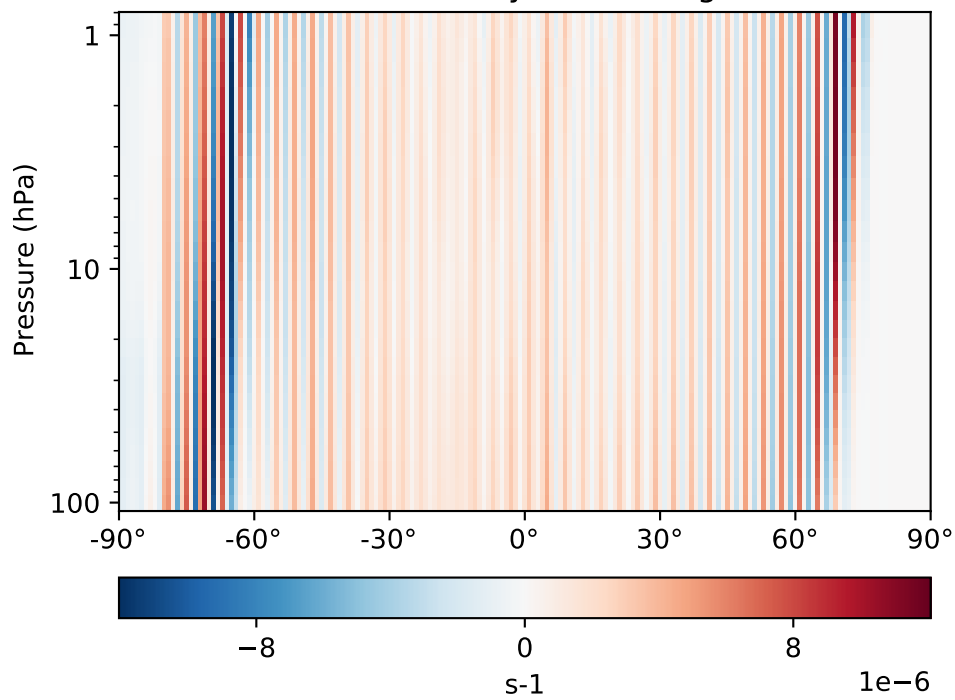
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



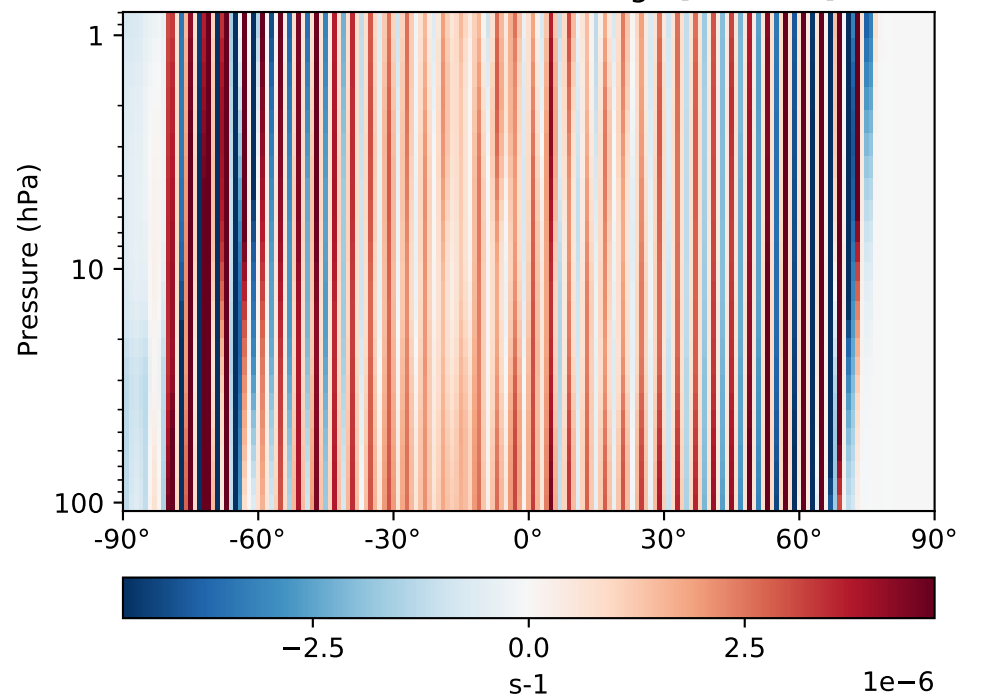
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



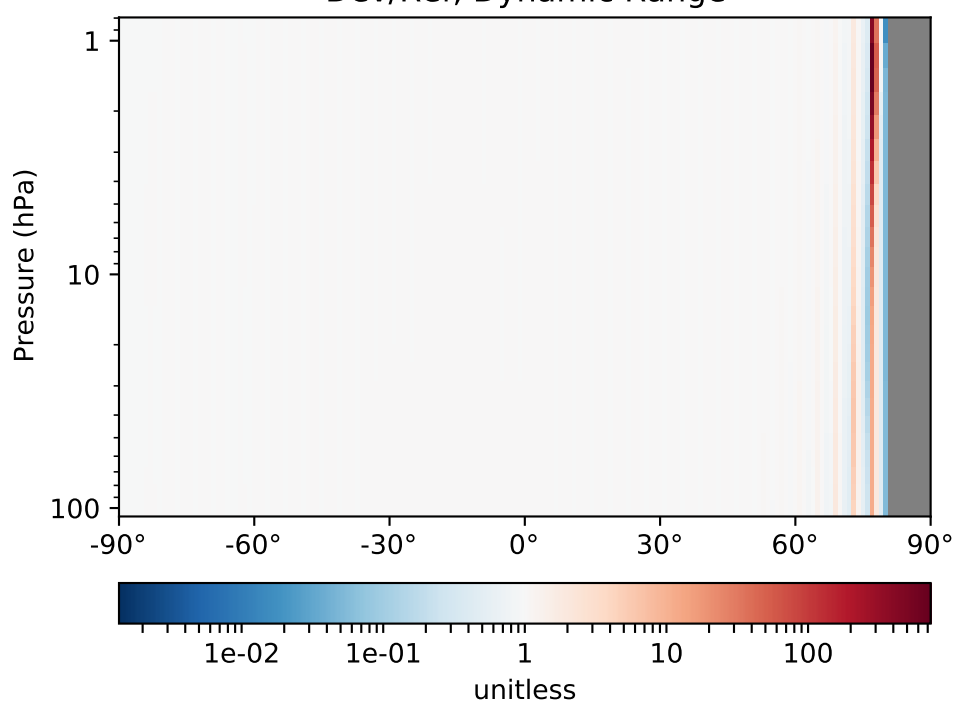
Difference (1x1.25)
Dev - Ref, Dynamic Range



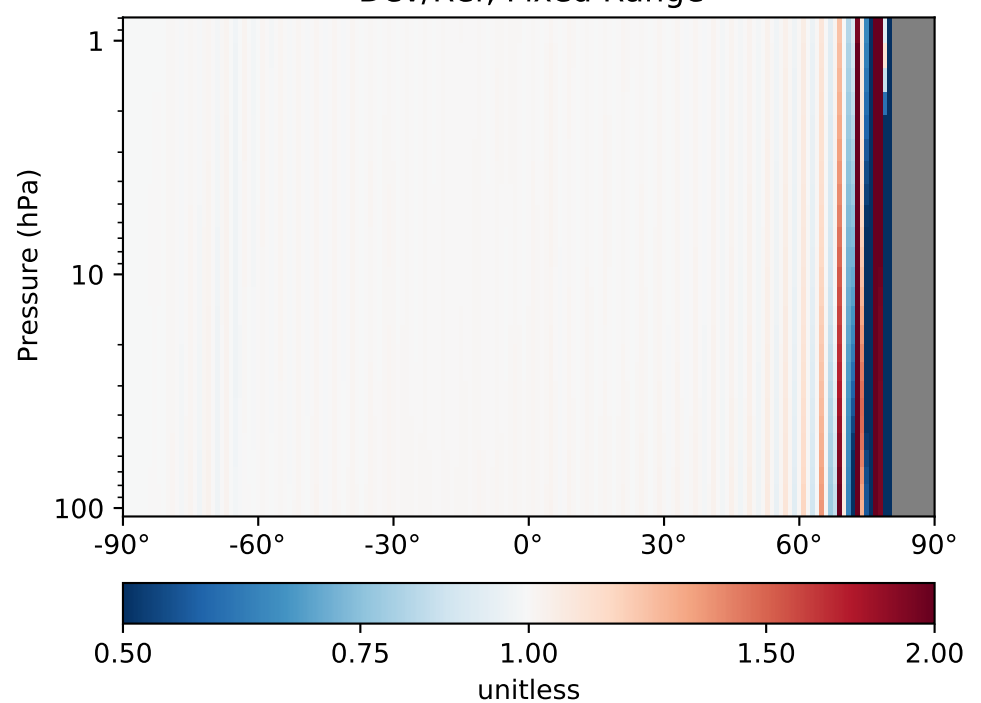
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

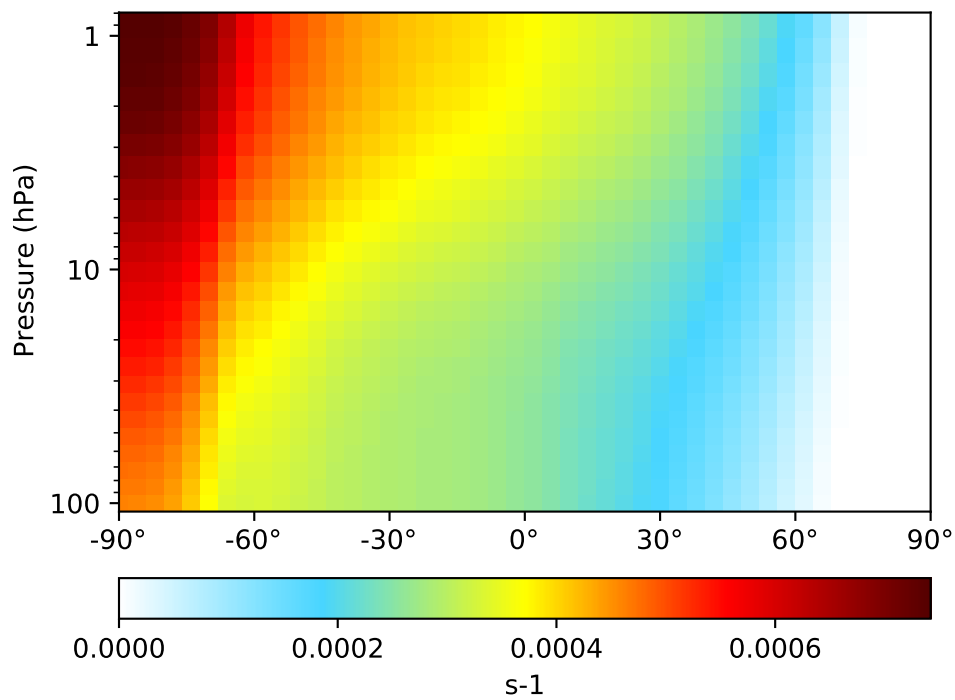


Ratio (1x1.25)
Dev/Ref, Fixed Range

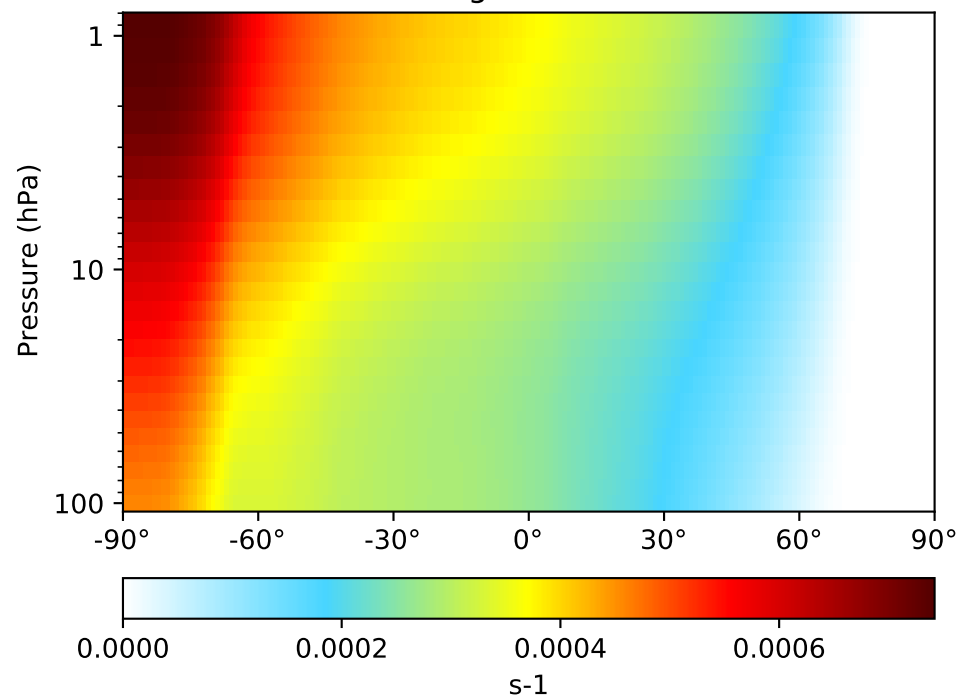


Jval_MCRHN, Zonal Mean (Jan2019)

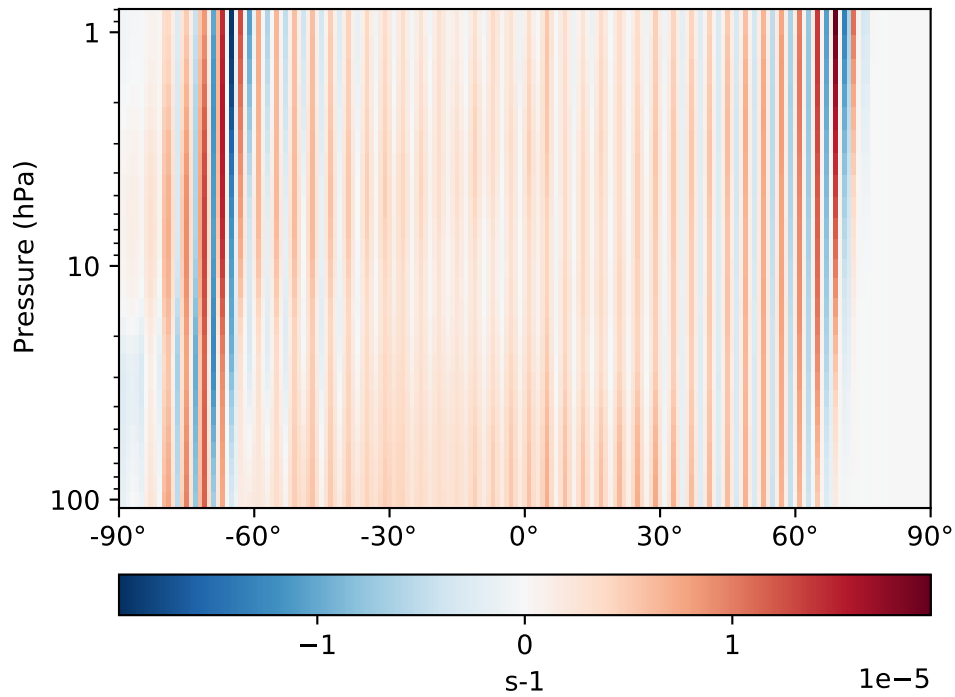
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



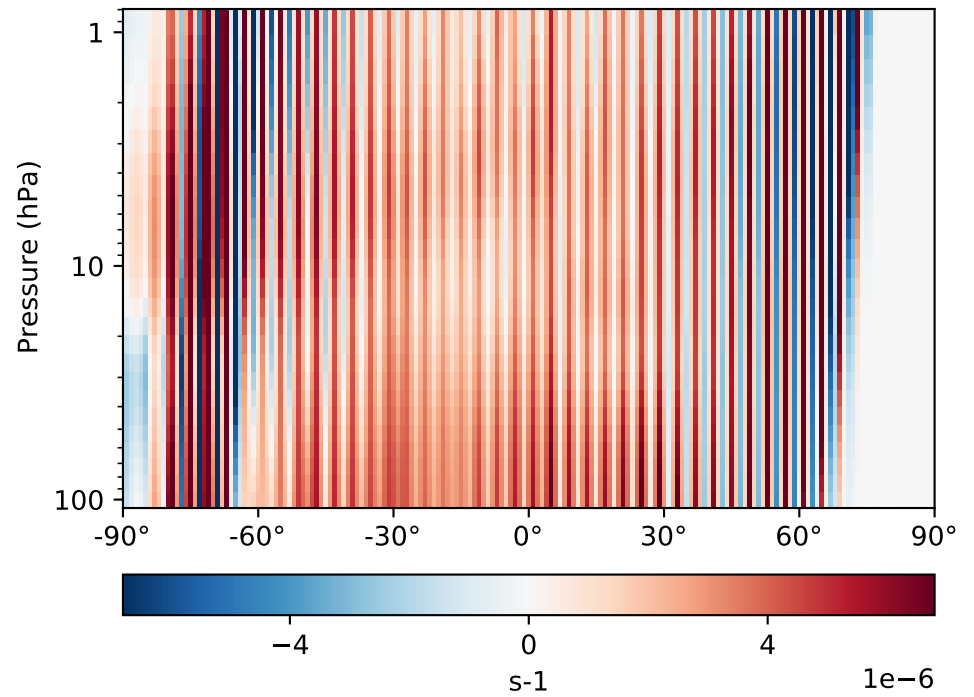
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



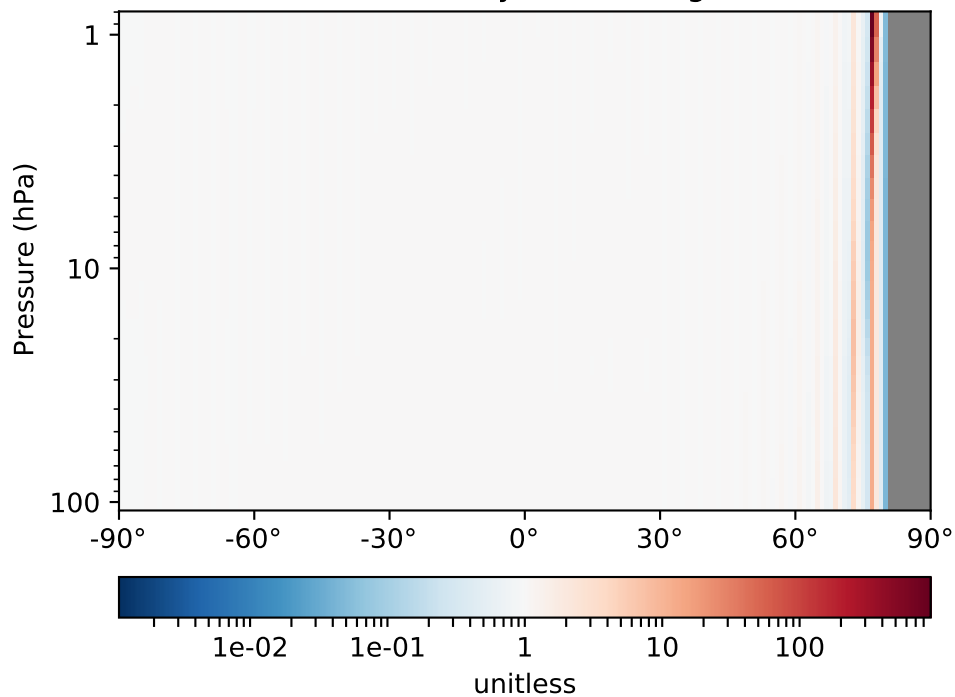
Difference (1x1.25)
Dev - Ref, Dynamic Range



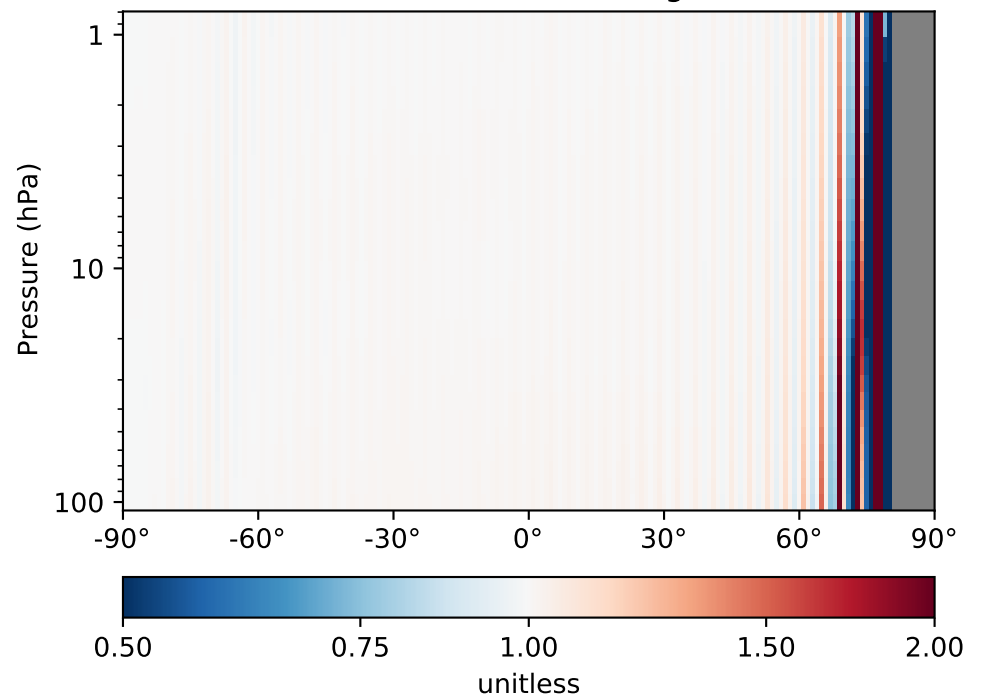
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

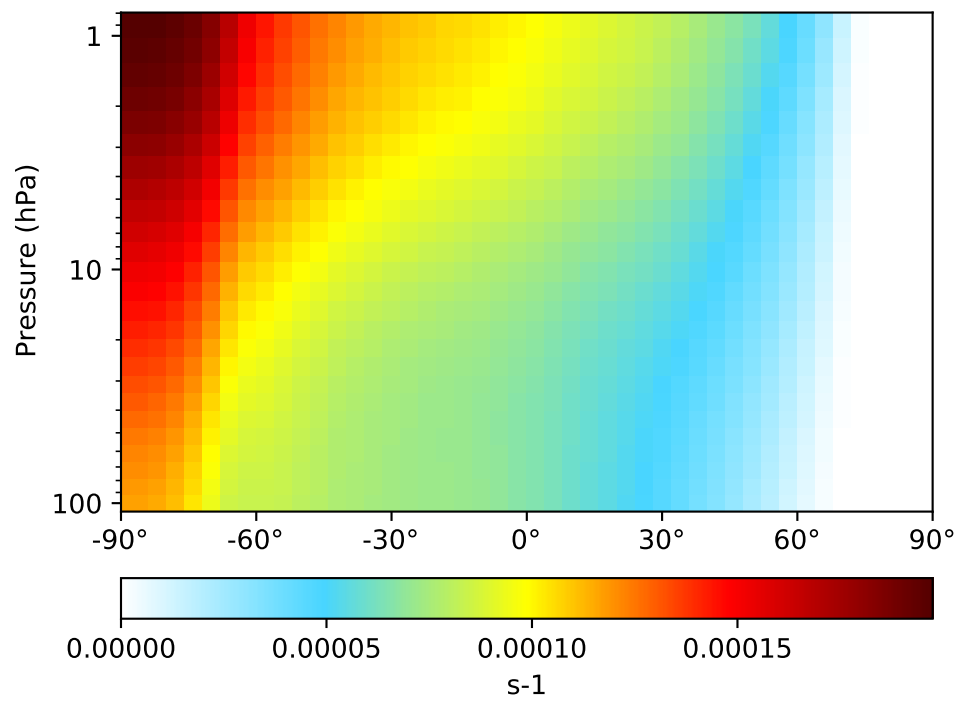


Ratio (1x1.25)
Dev/Ref, Fixed Range

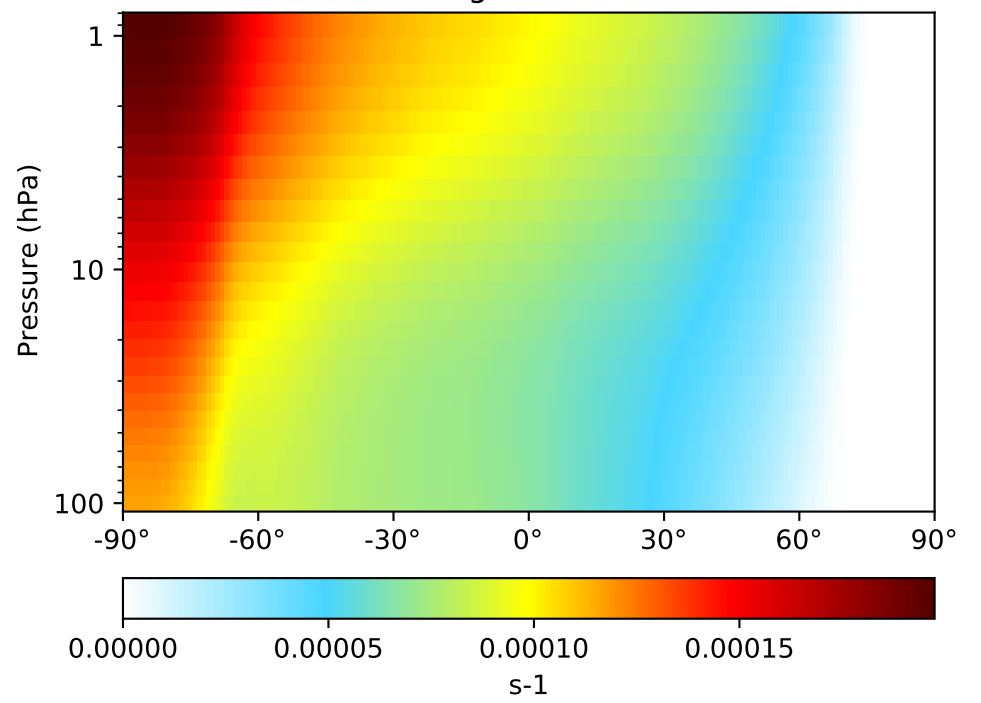


Jval_MCRHNB, Zonal Mean (Jan2019)

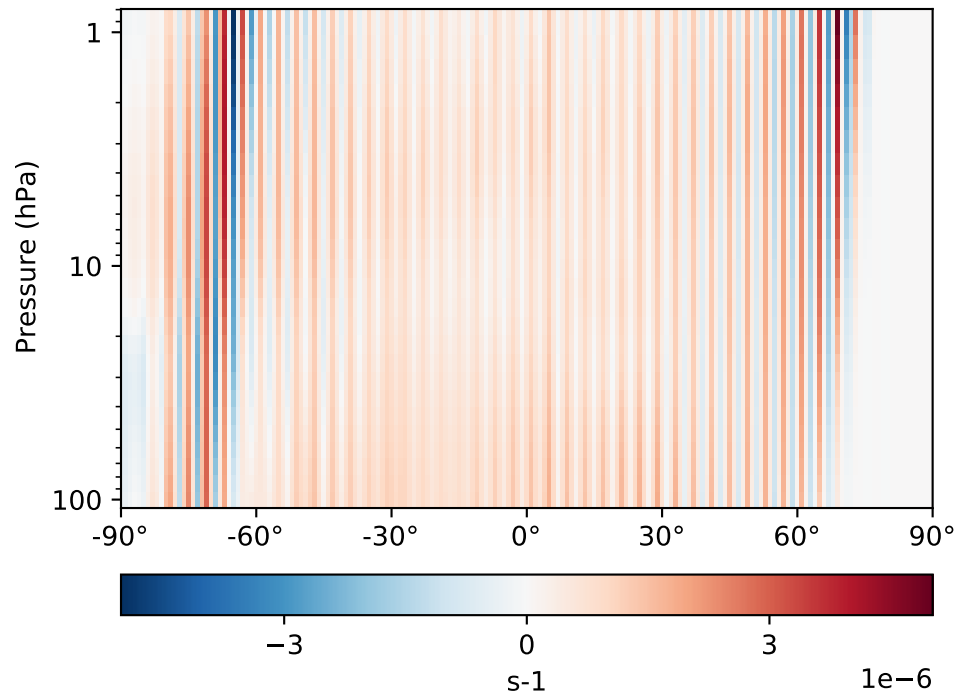
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



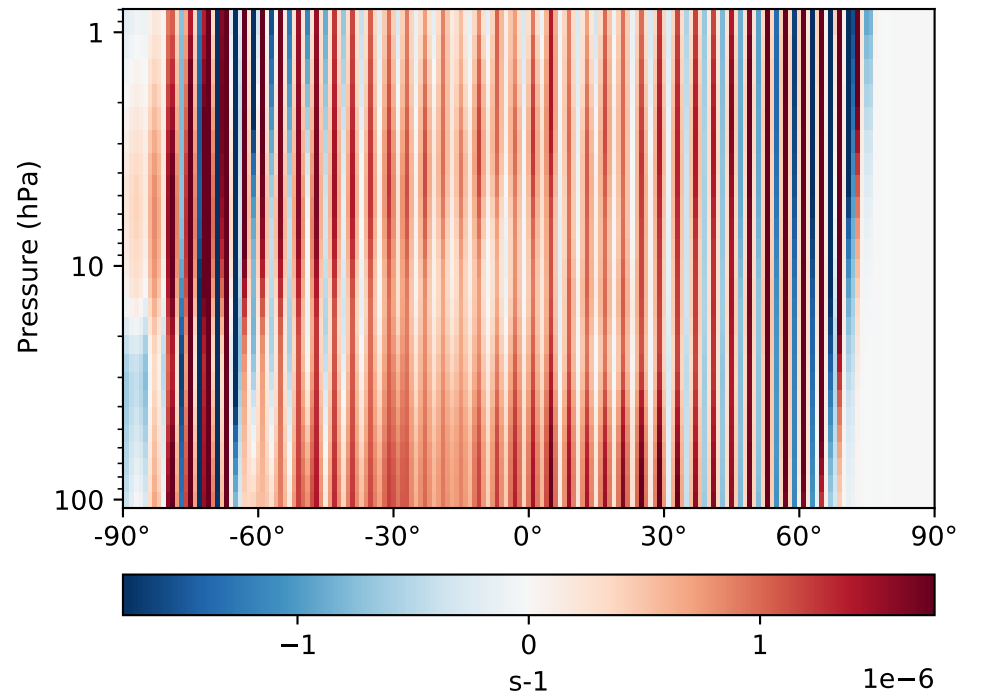
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



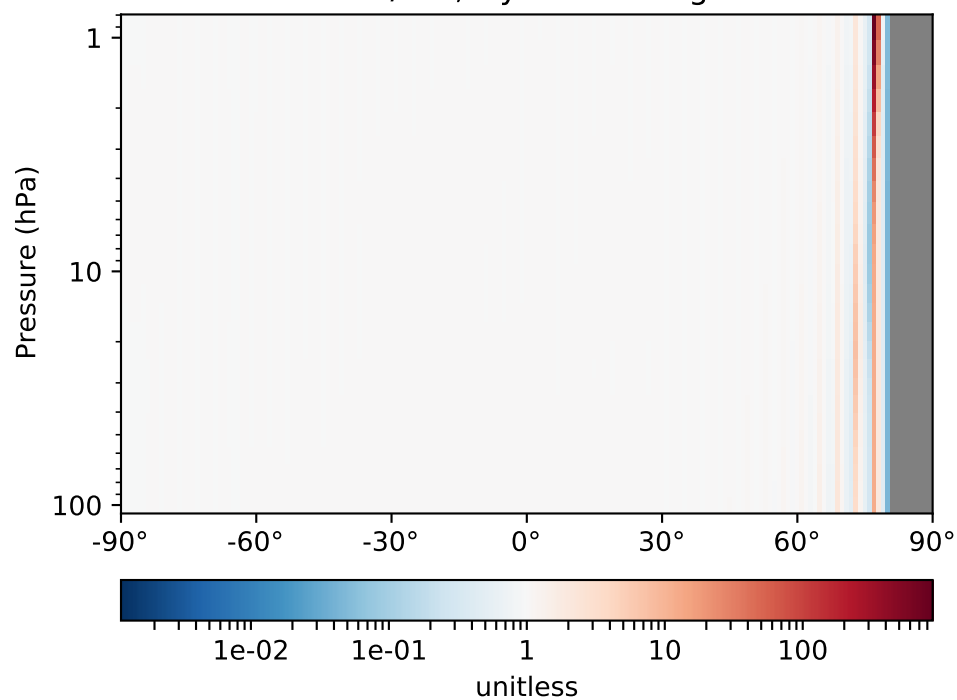
Difference (1x1.25)
Dev - Ref, Dynamic Range



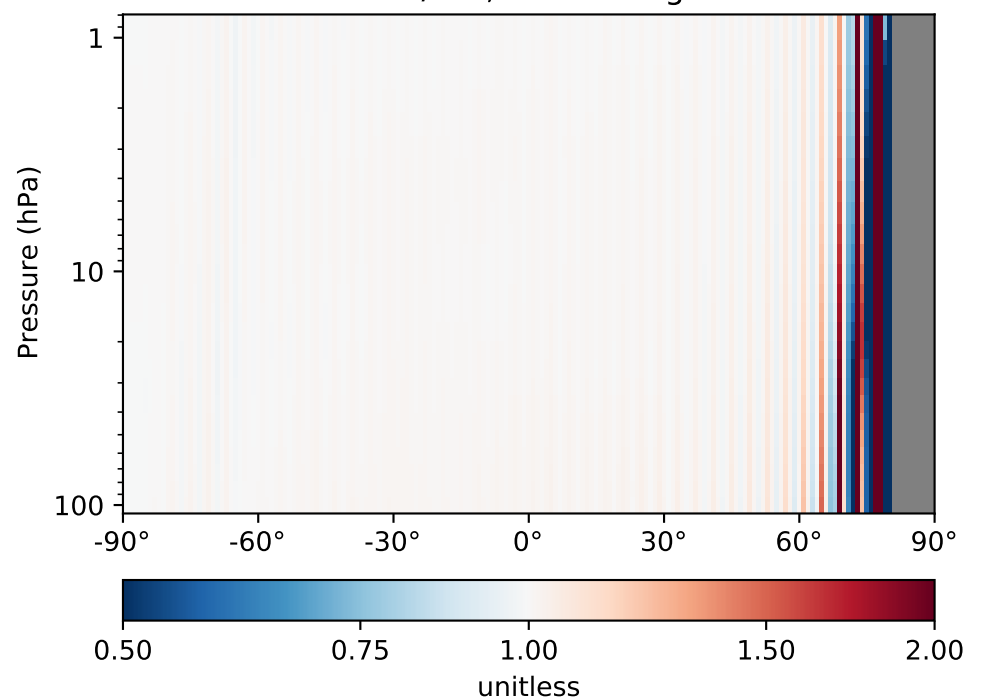
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

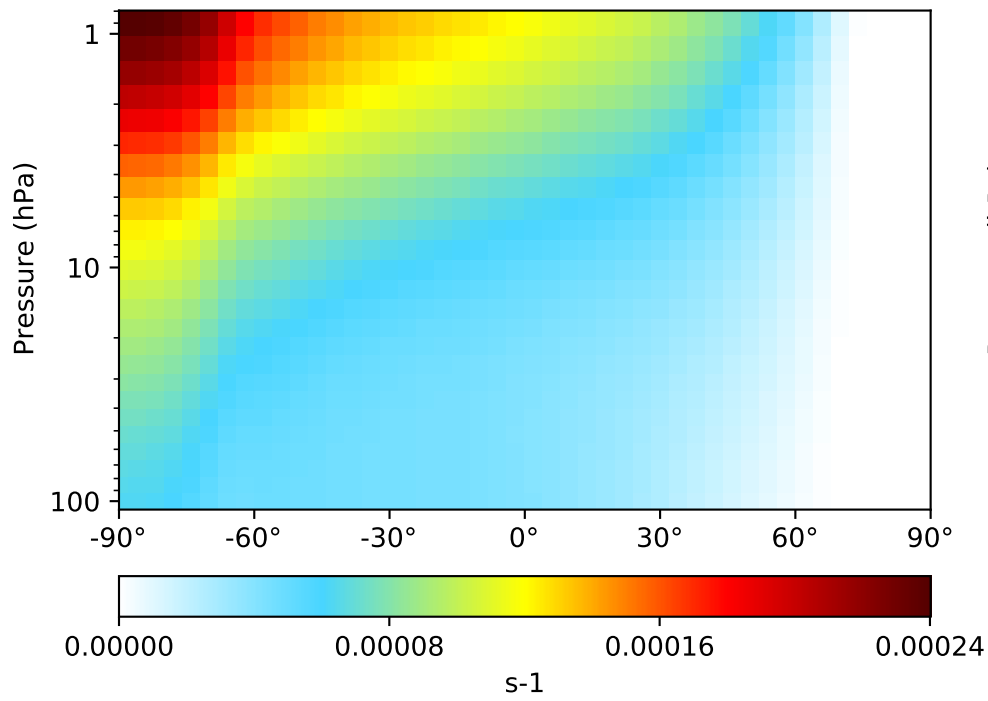


Ratio (1x1.25)
Dev/Ref, Fixed Range

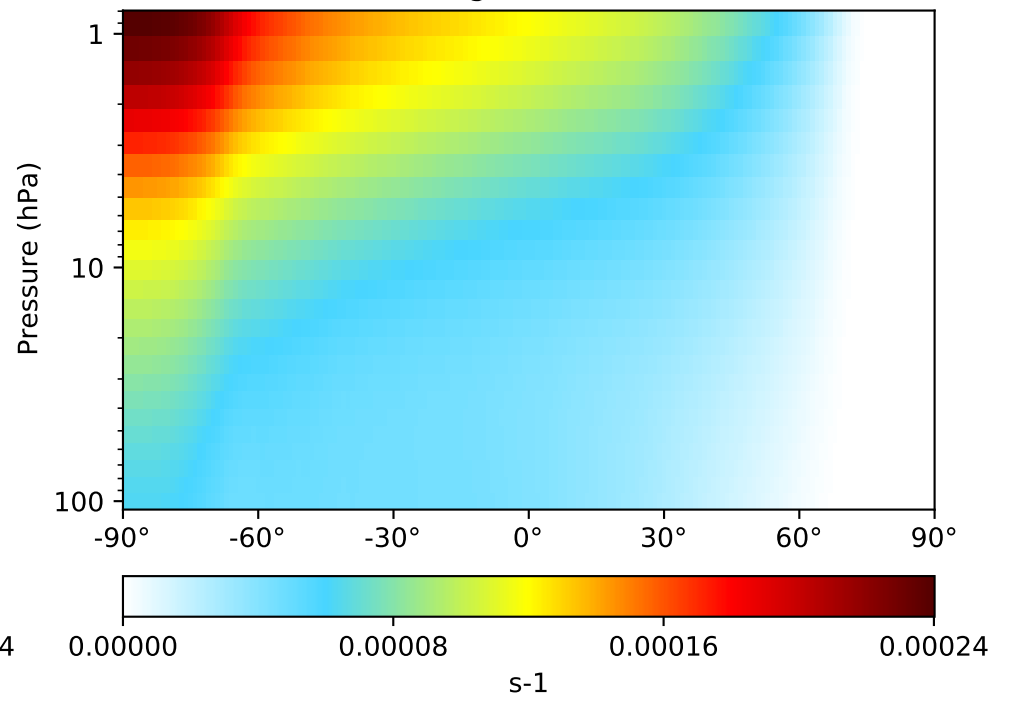


Jval_MCRHP, Zonal Mean (Jan2019)

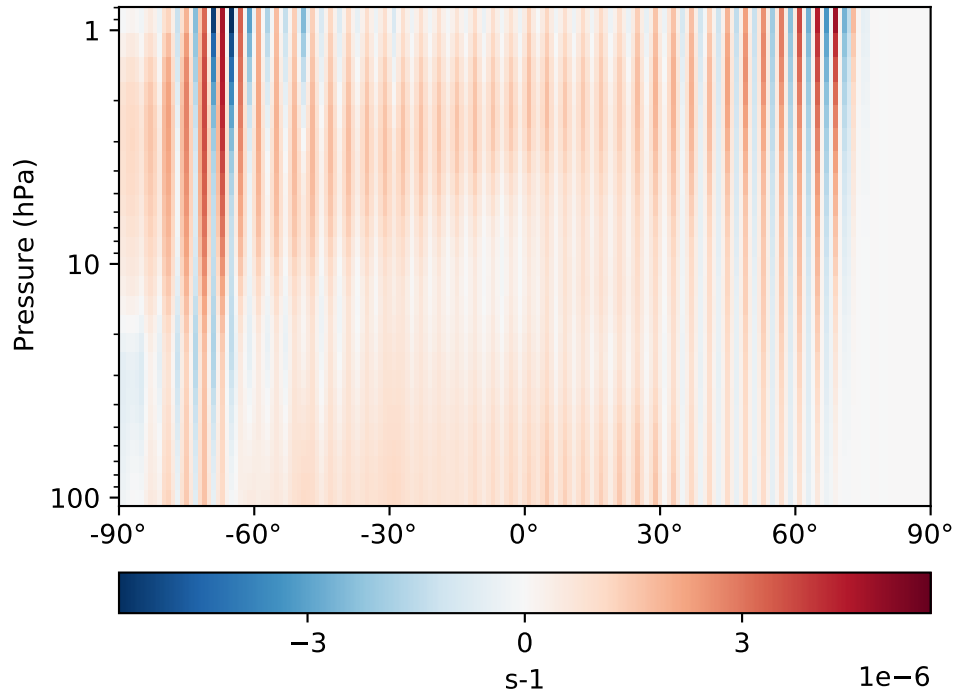
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



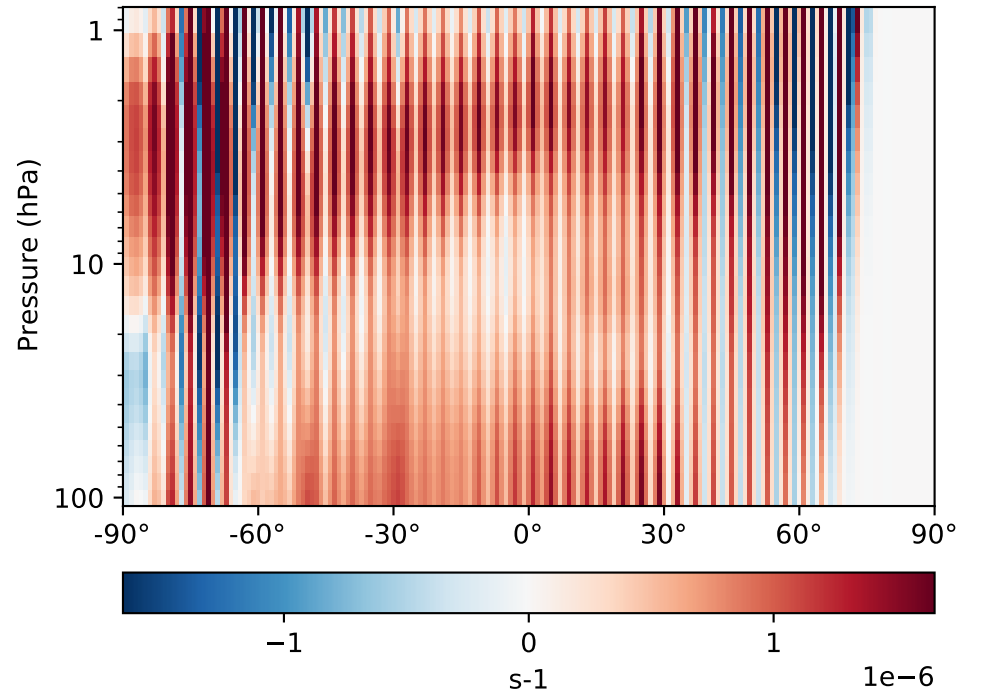
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



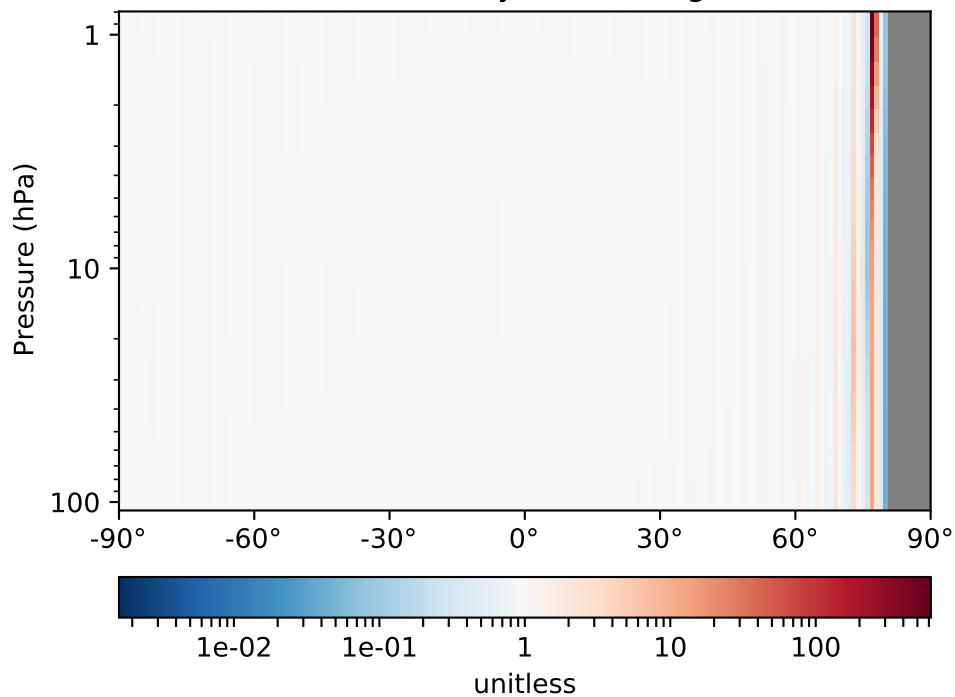
Difference (1x1.25)
Dev - Ref, Dynamic Range



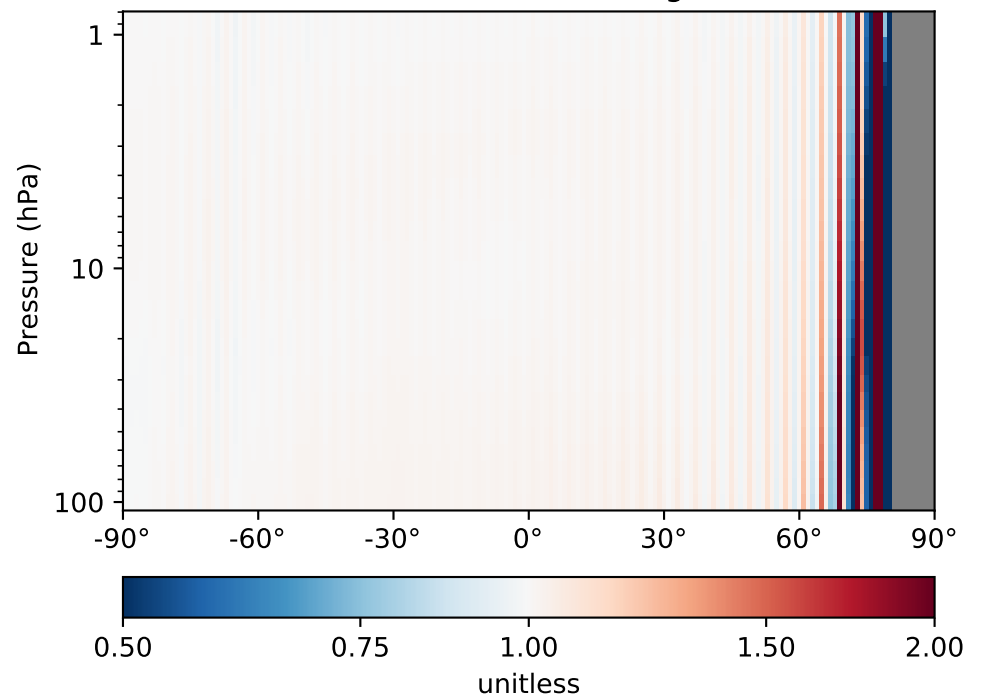
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

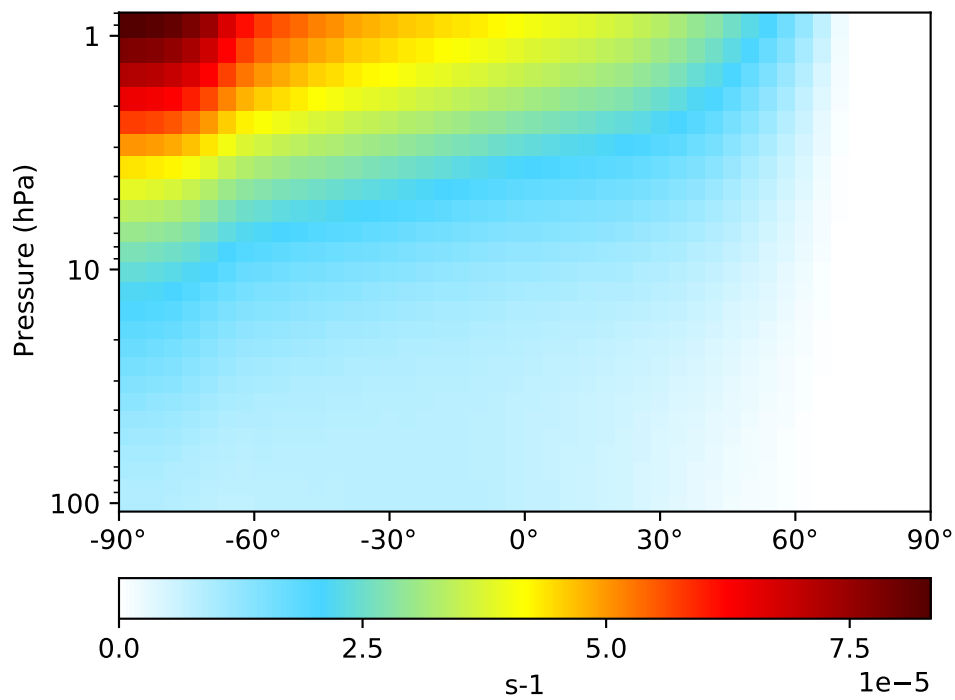


Ratio (1x1.25)
Dev/Ref, Fixed Range

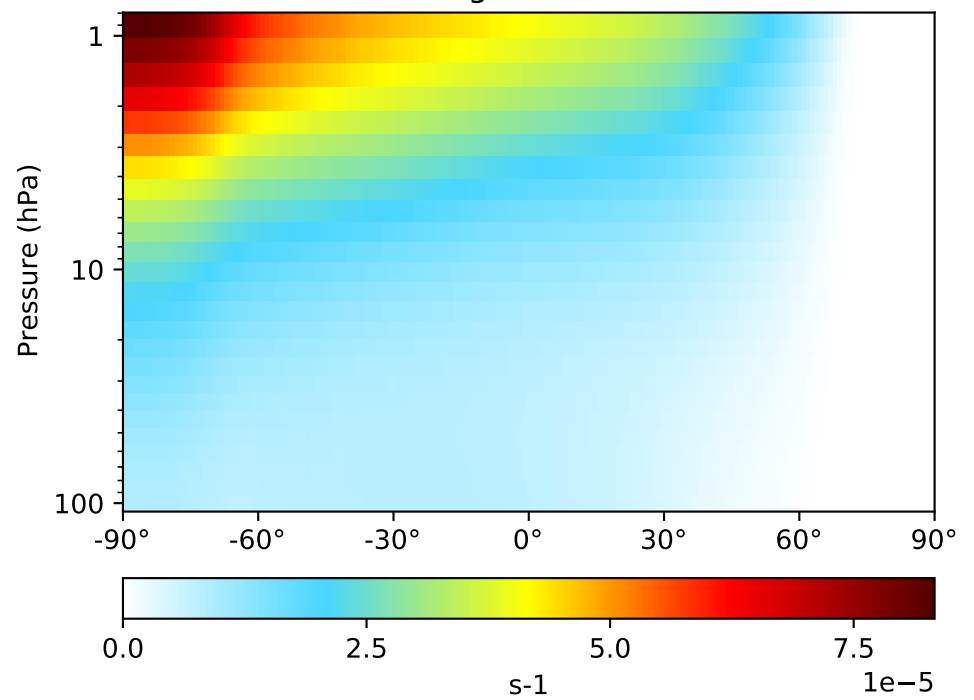


Jval_MEK, Zonal Mean (Jan2019)

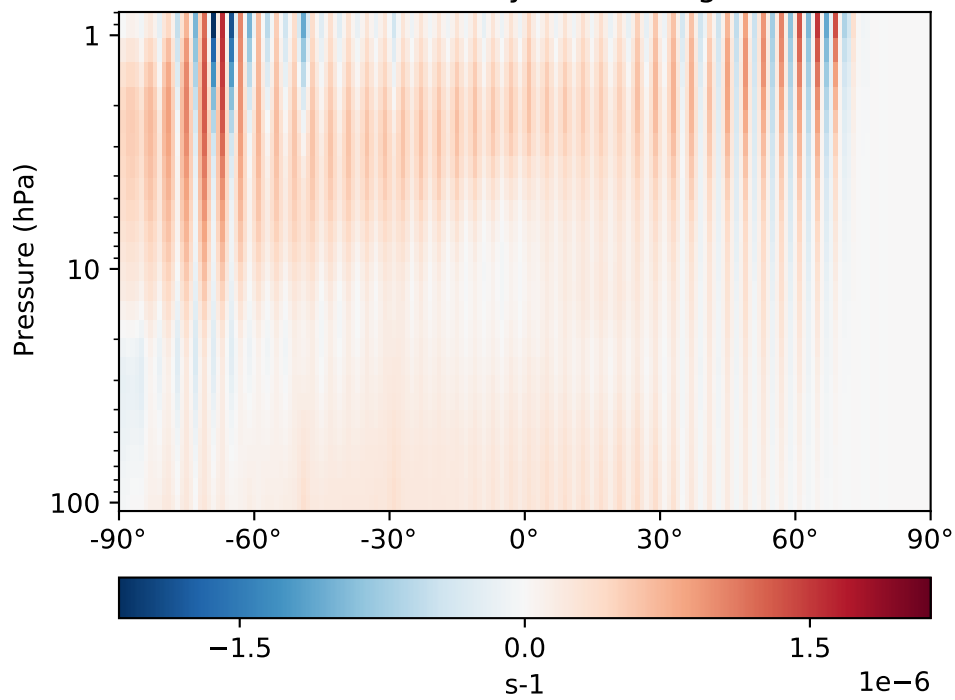
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



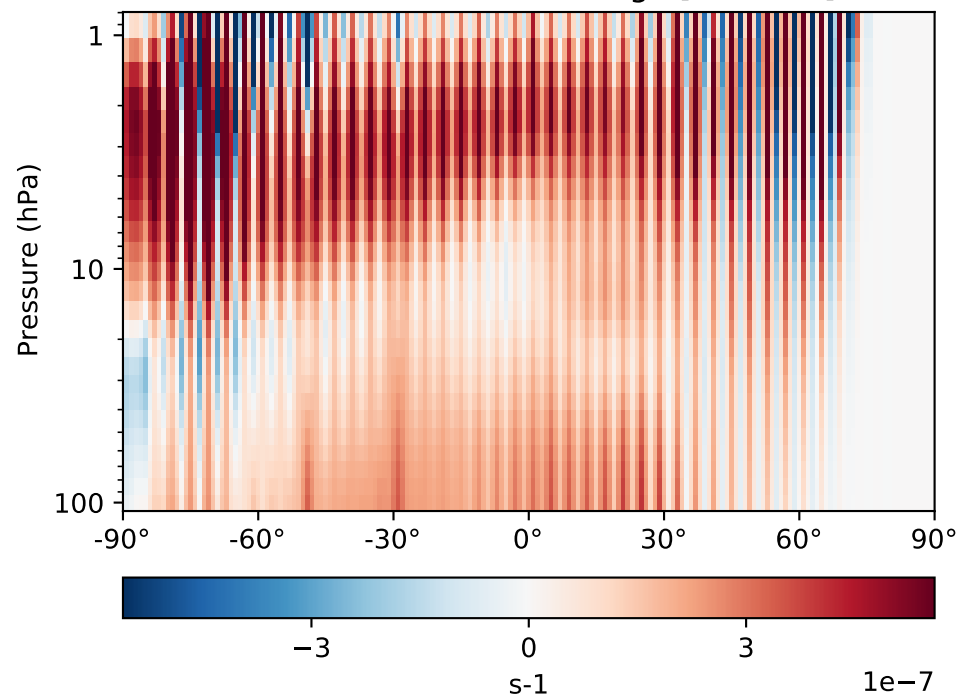
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



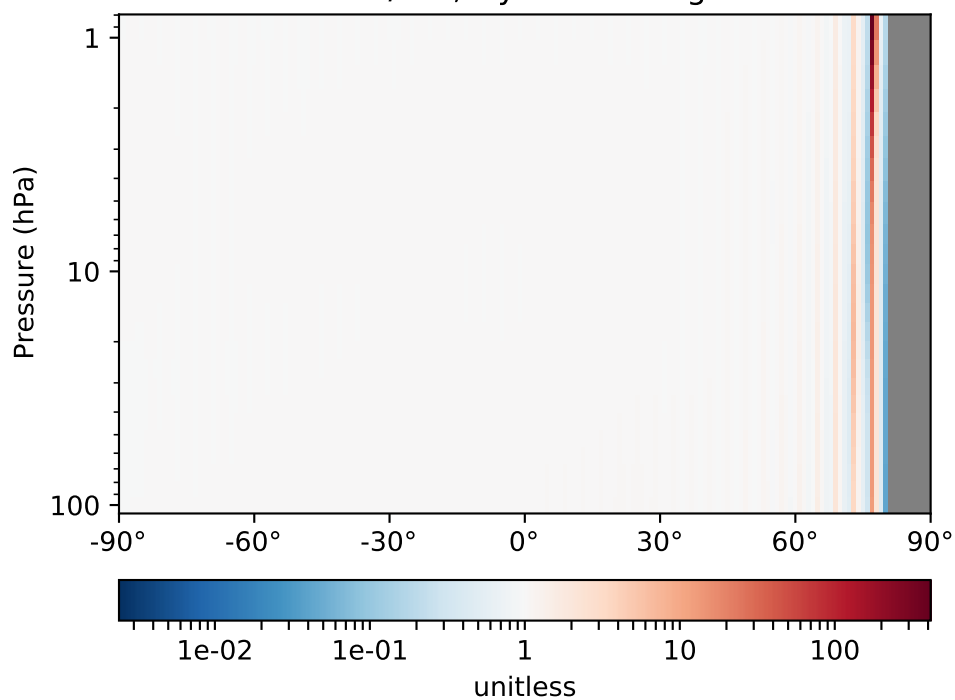
Difference (1x1.25)
Dev - Ref, Dynamic Range



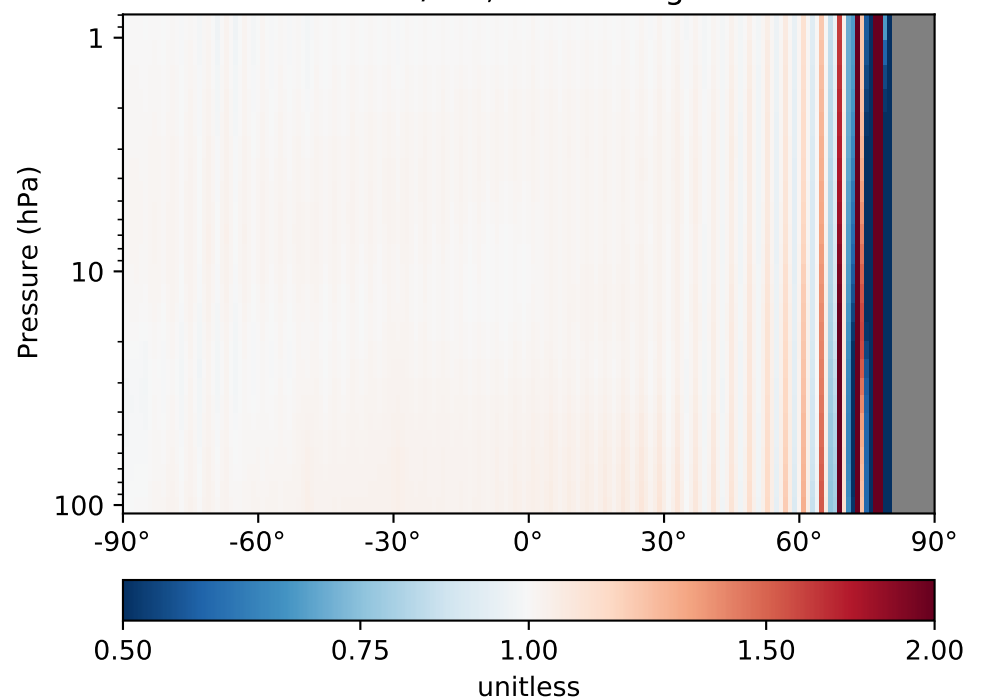
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

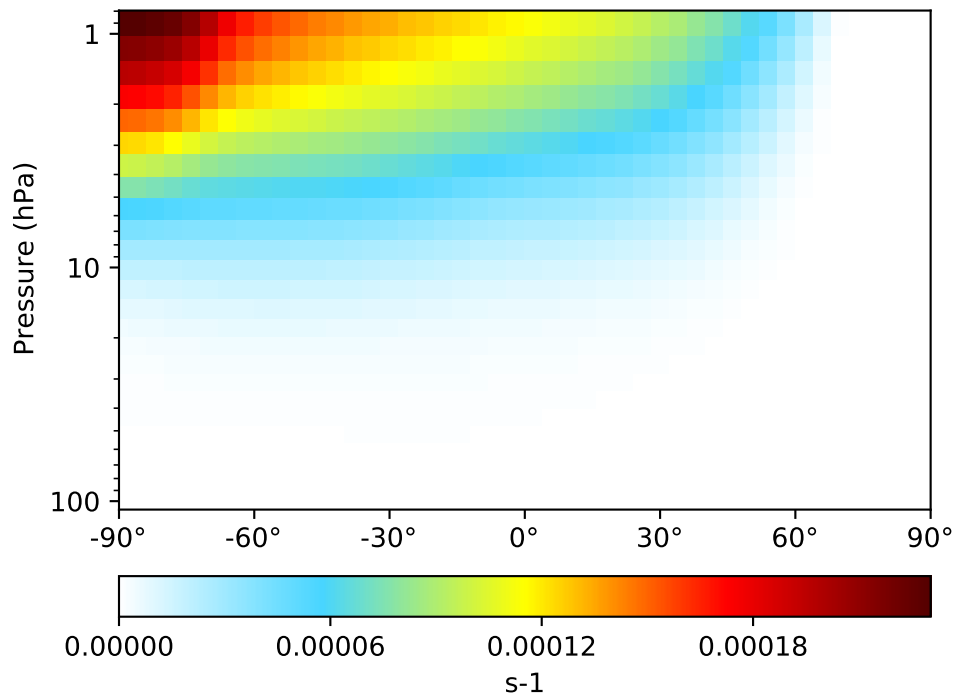


Ratio (1x1.25)
Dev/Ref, Fixed Range

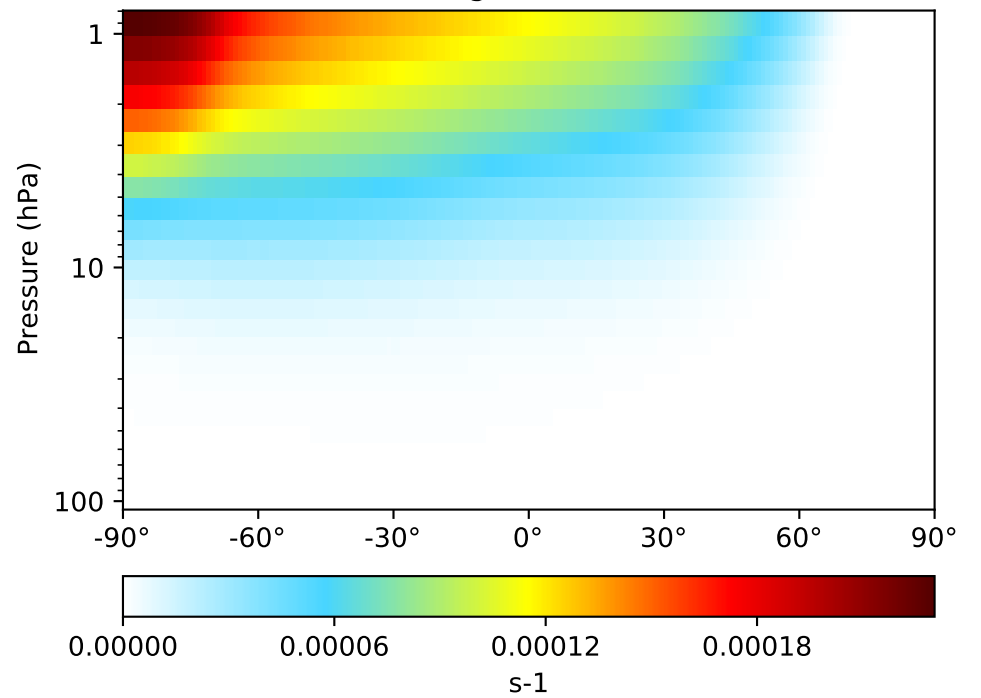


Jval_MENO3, Zonal Mean (Jan2019)

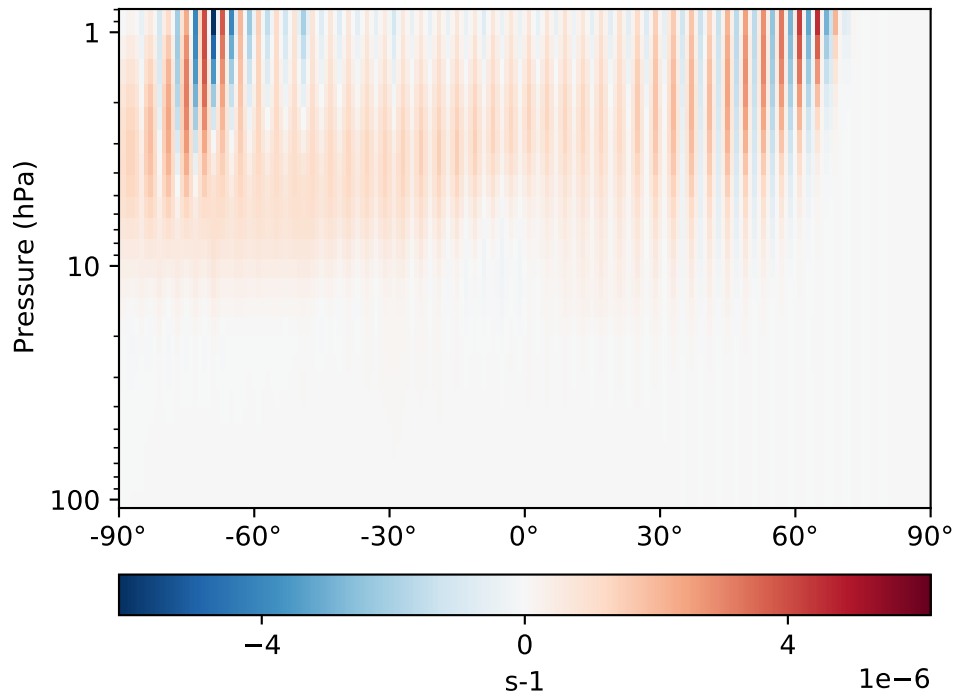
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



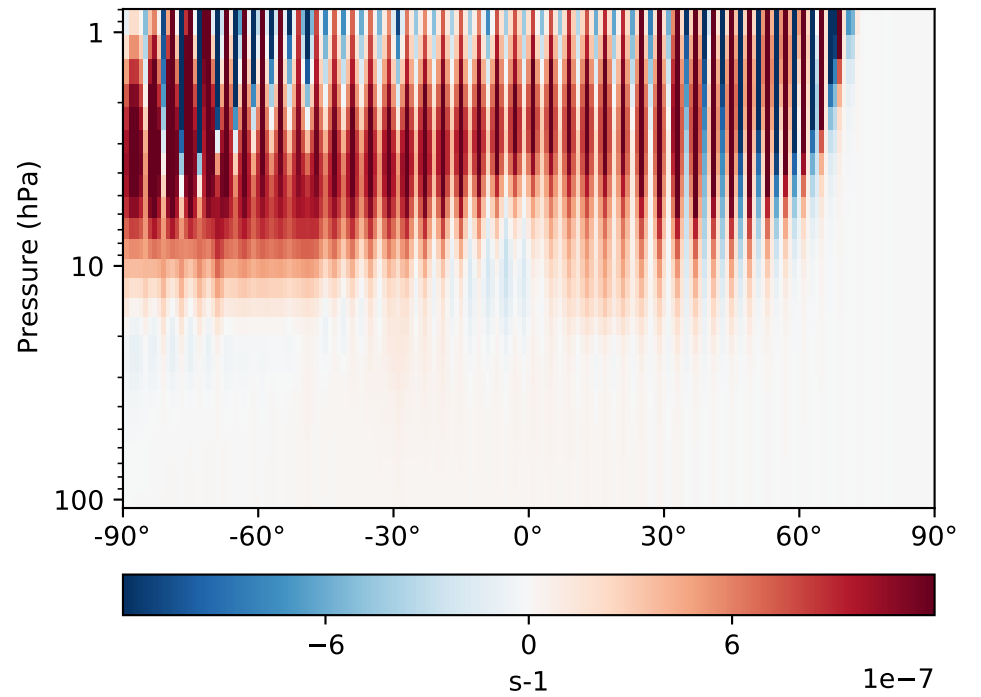
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



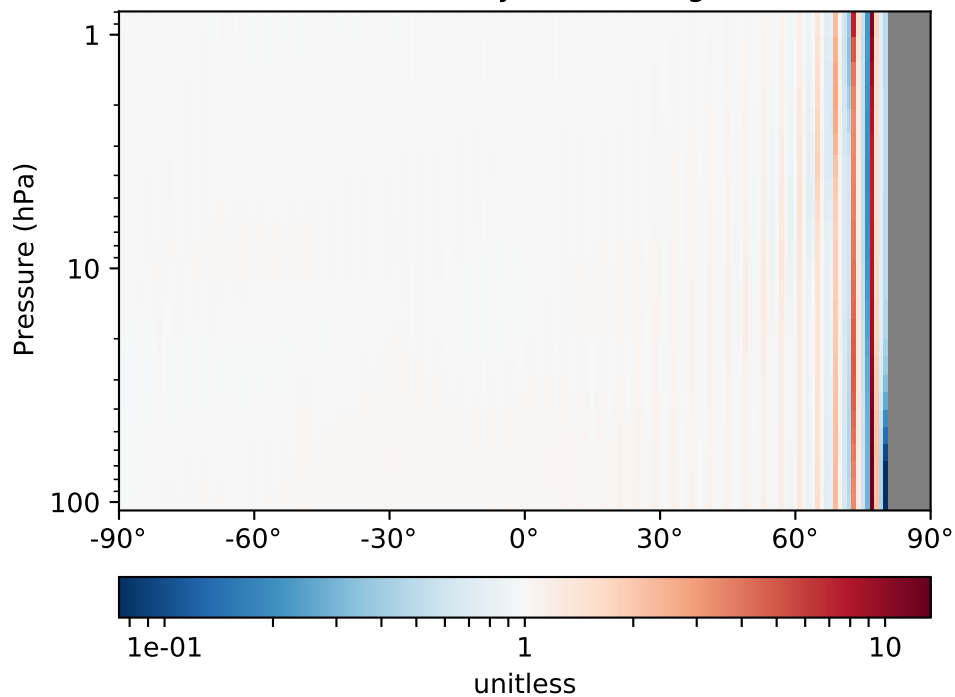
Difference (1x1.25)
Dev - Ref, Dynamic Range



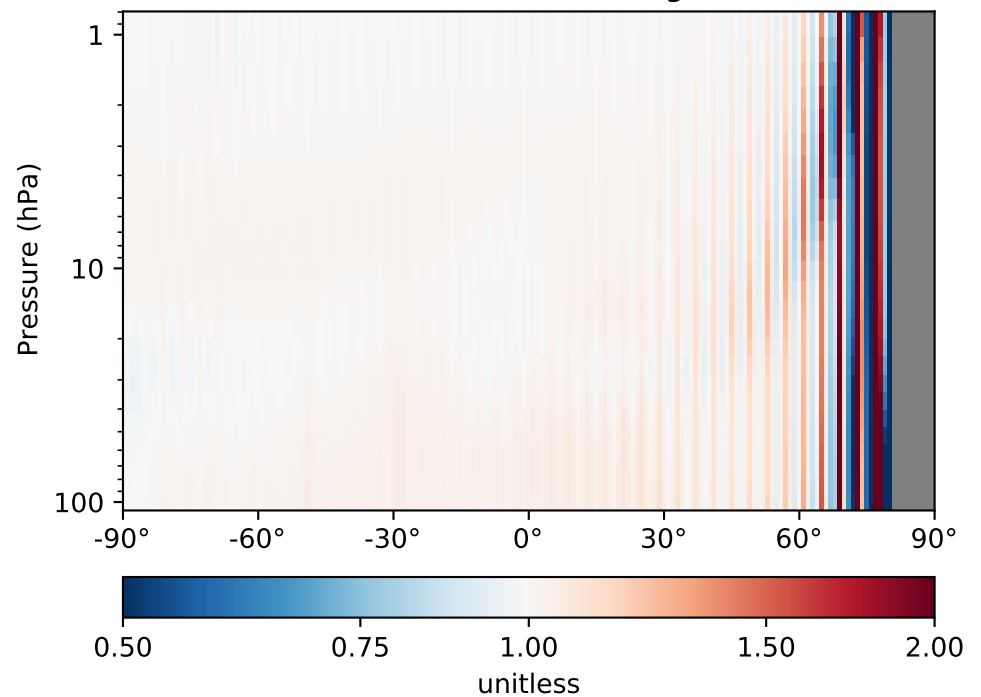
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

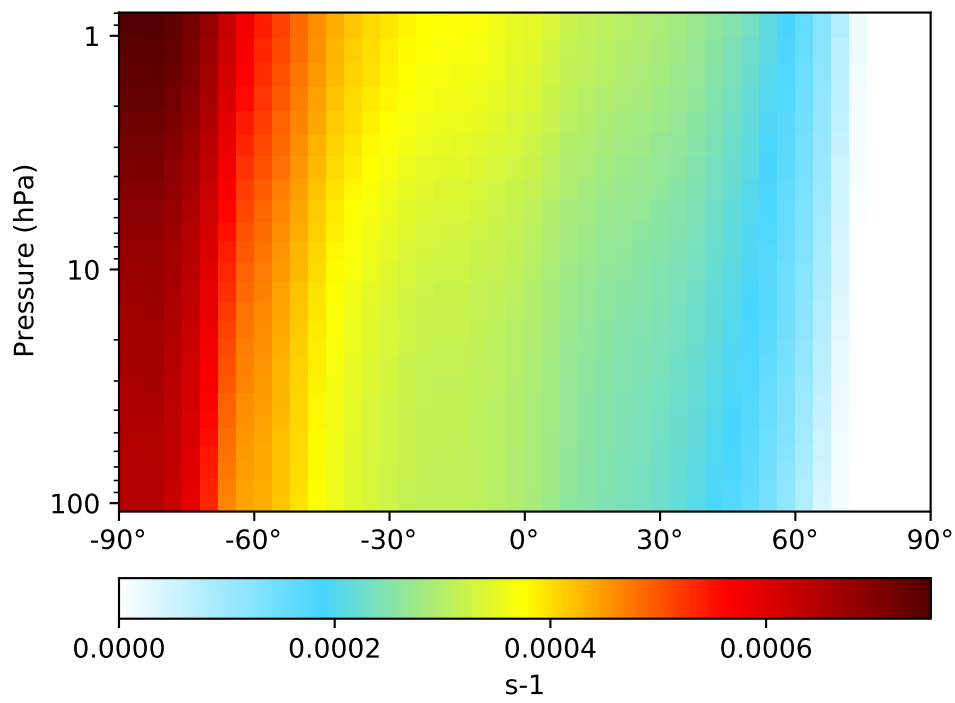


Ratio (1x1.25)
Dev/Ref, Fixed Range

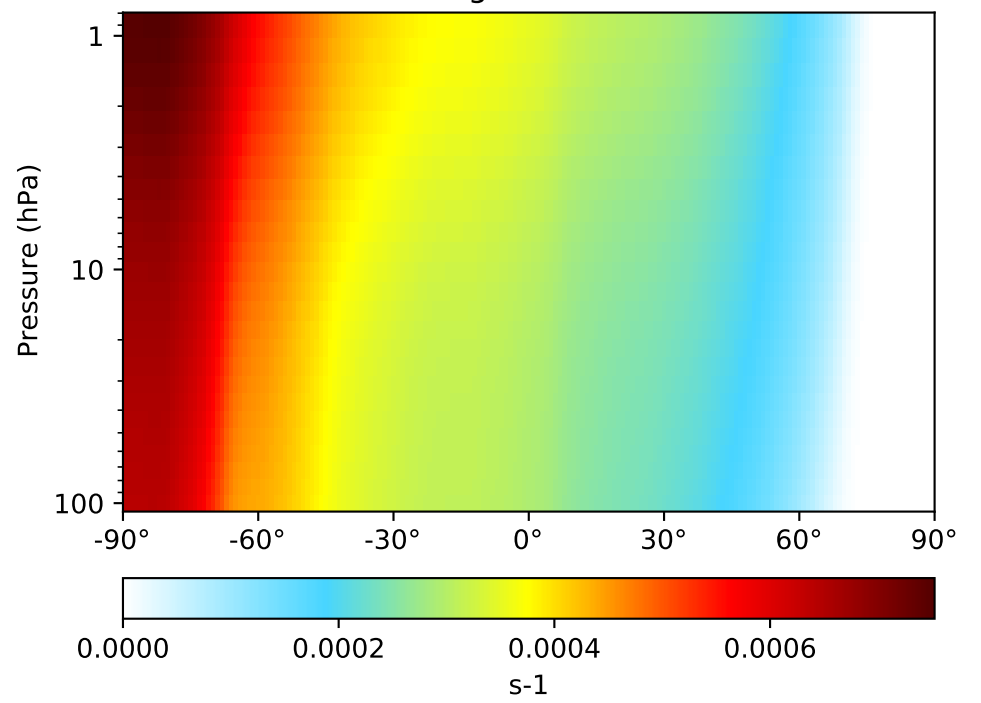


Jval_MGLY, Zonal Mean (Jan2019)

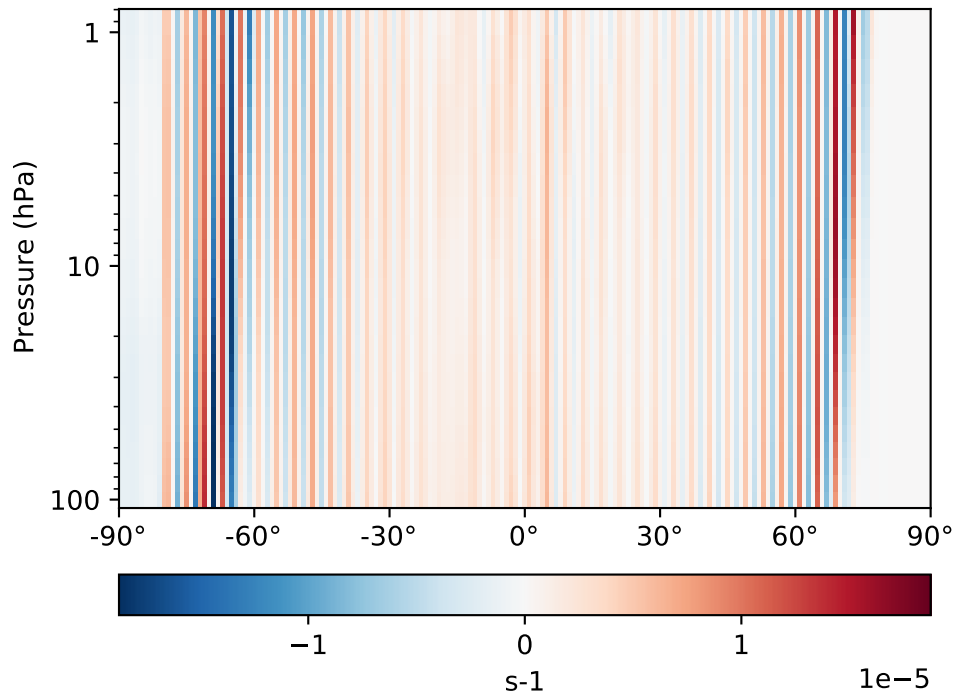
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



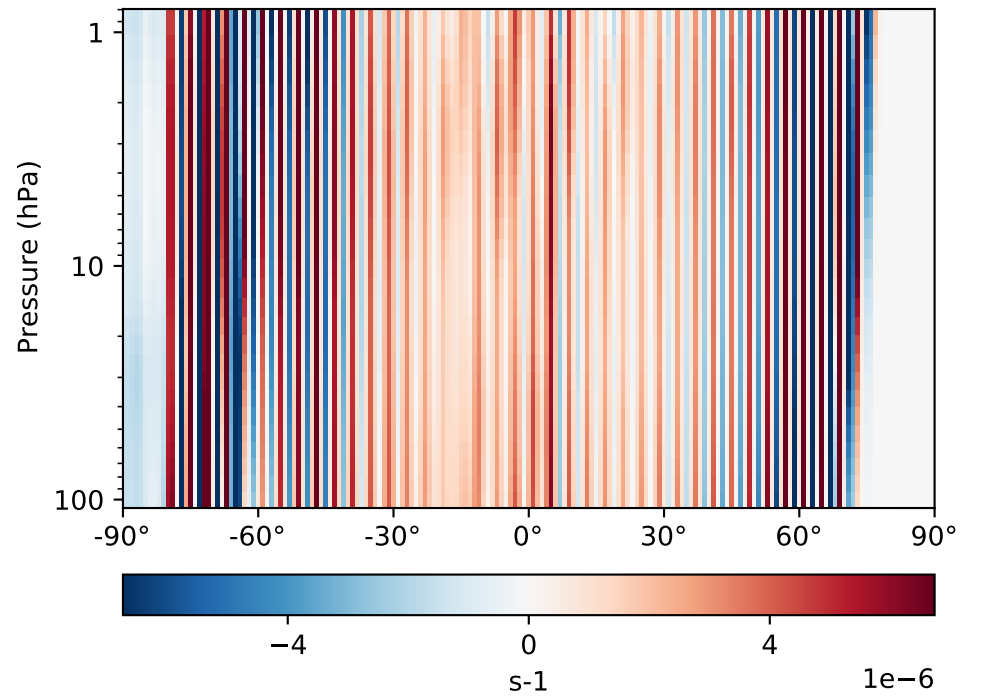
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



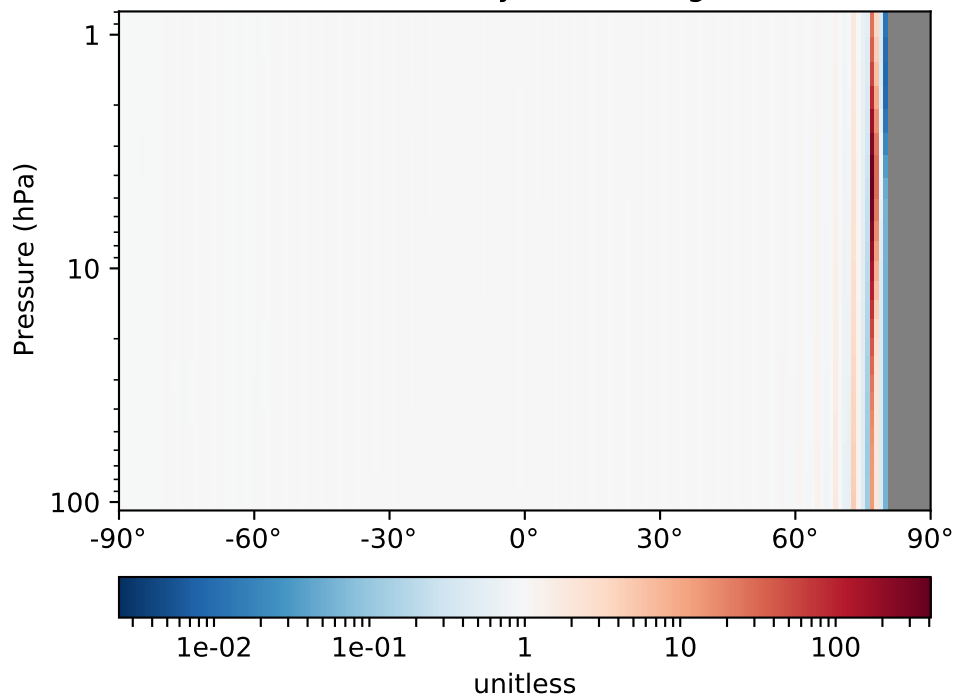
Difference (1x1.25)
Dev - Ref, Dynamic Range



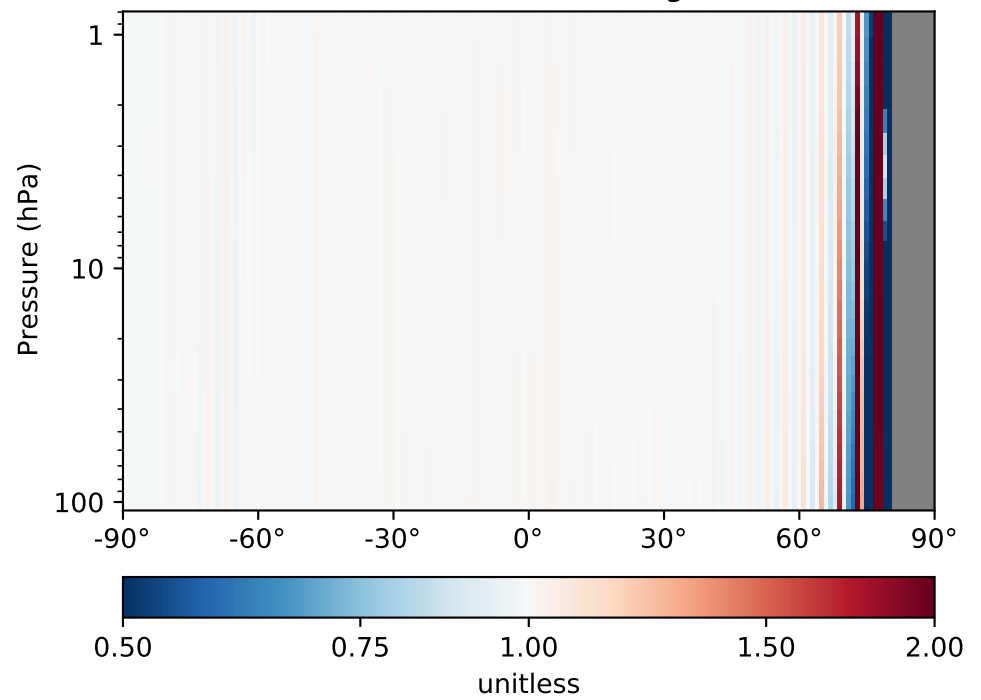
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

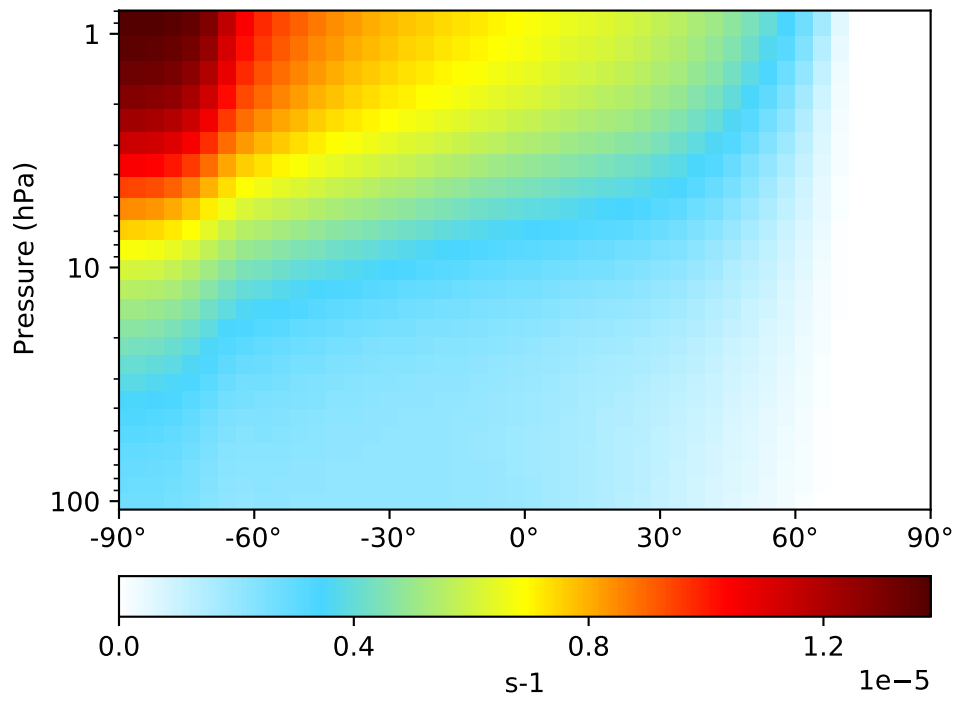


Ratio (1x1.25)
Dev/Ref, Fixed Range

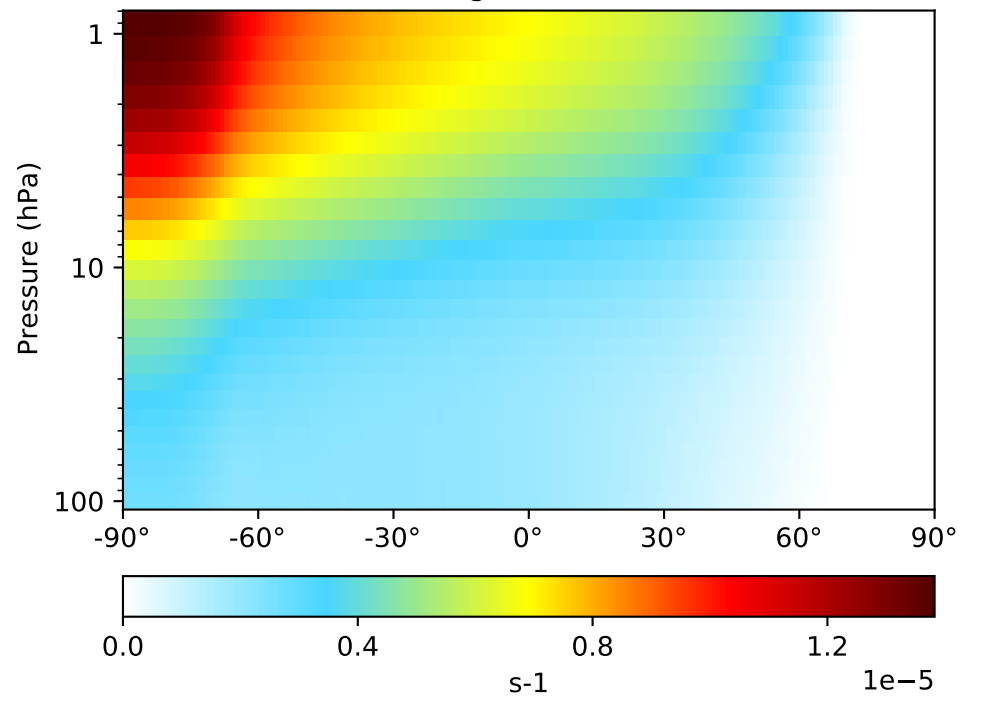


Jval_MONITS, Zonal Mean (Jan2019)

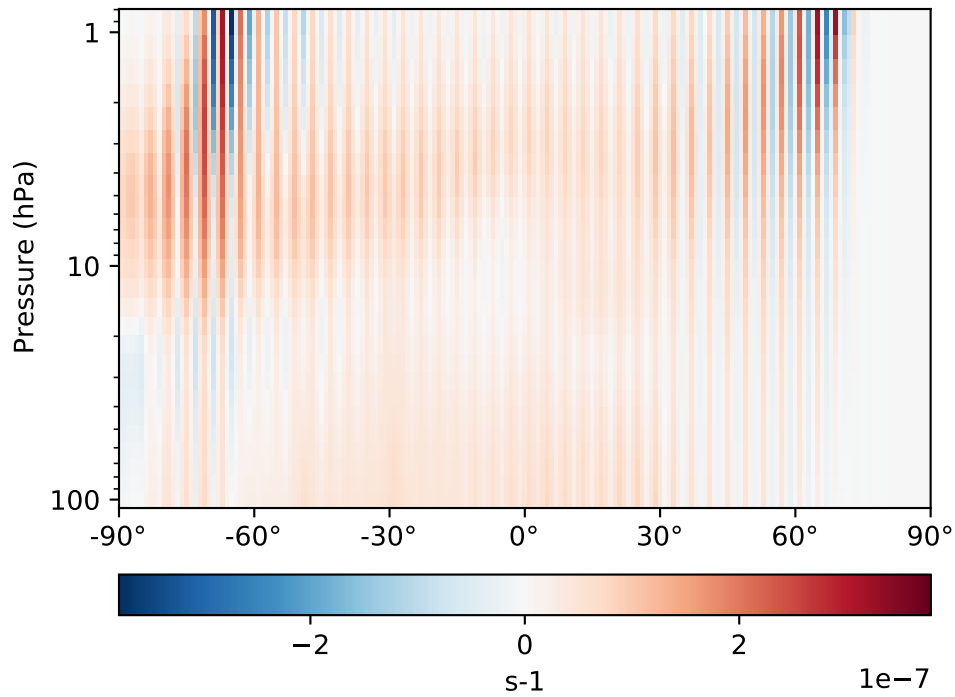
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



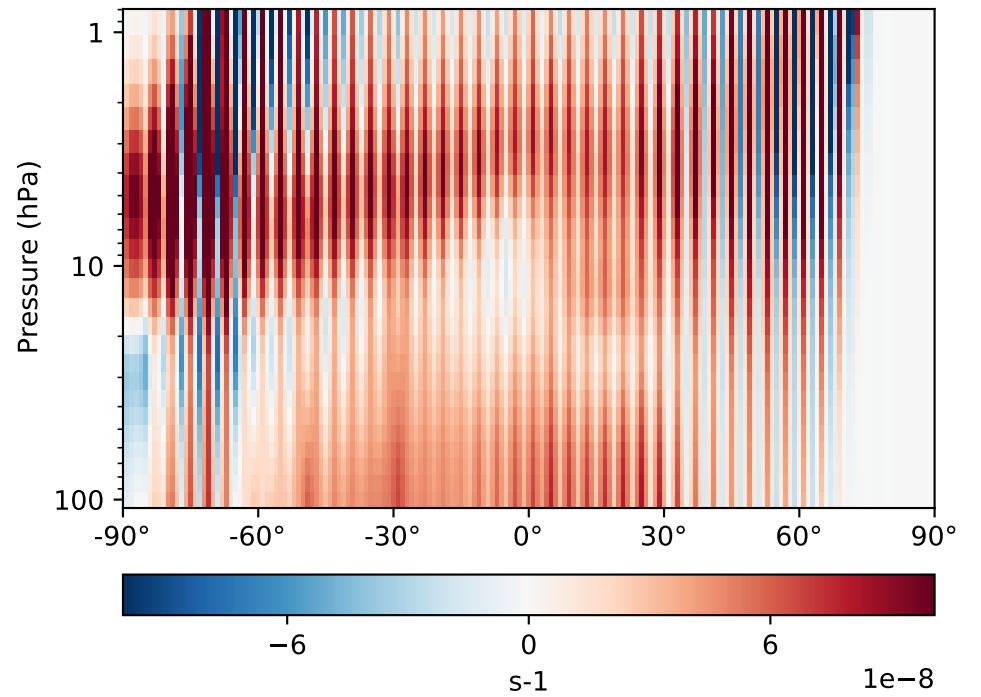
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



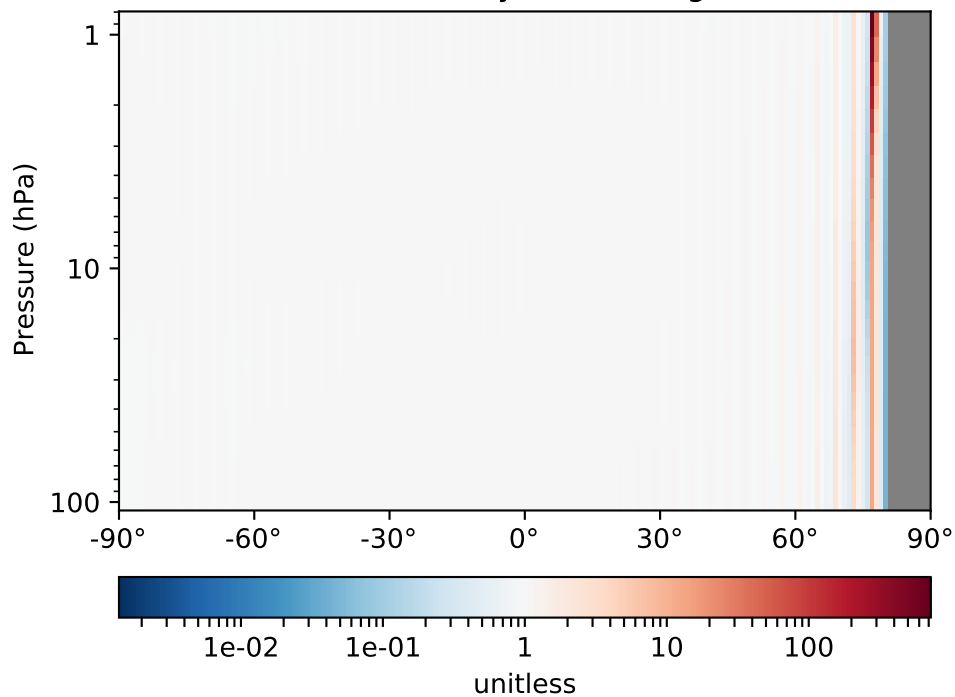
Difference (1x1.25)
Dev - Ref, Dynamic Range



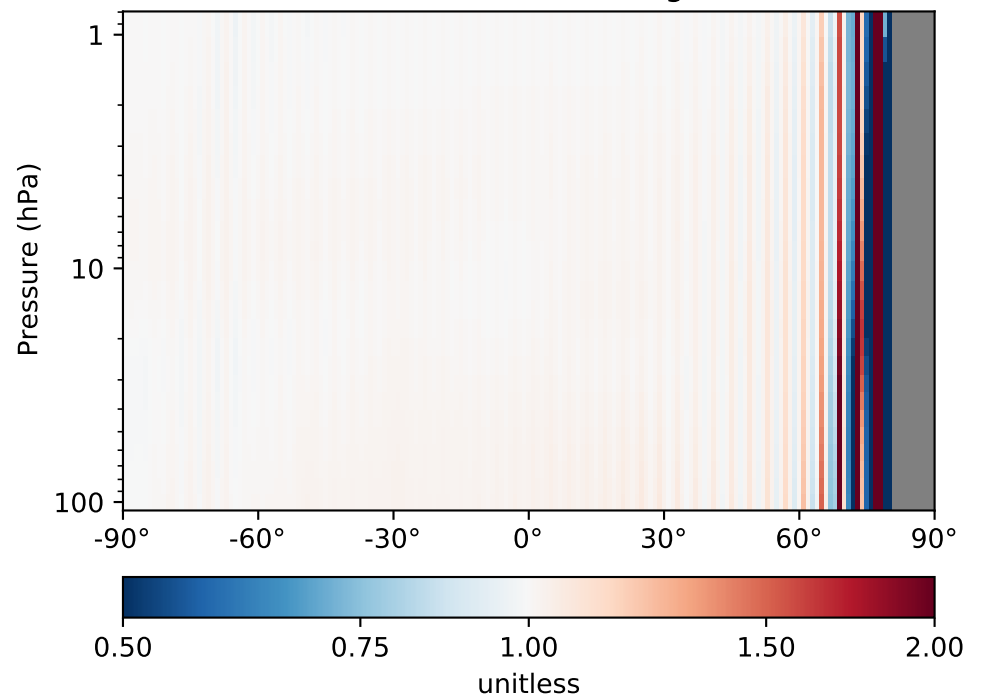
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

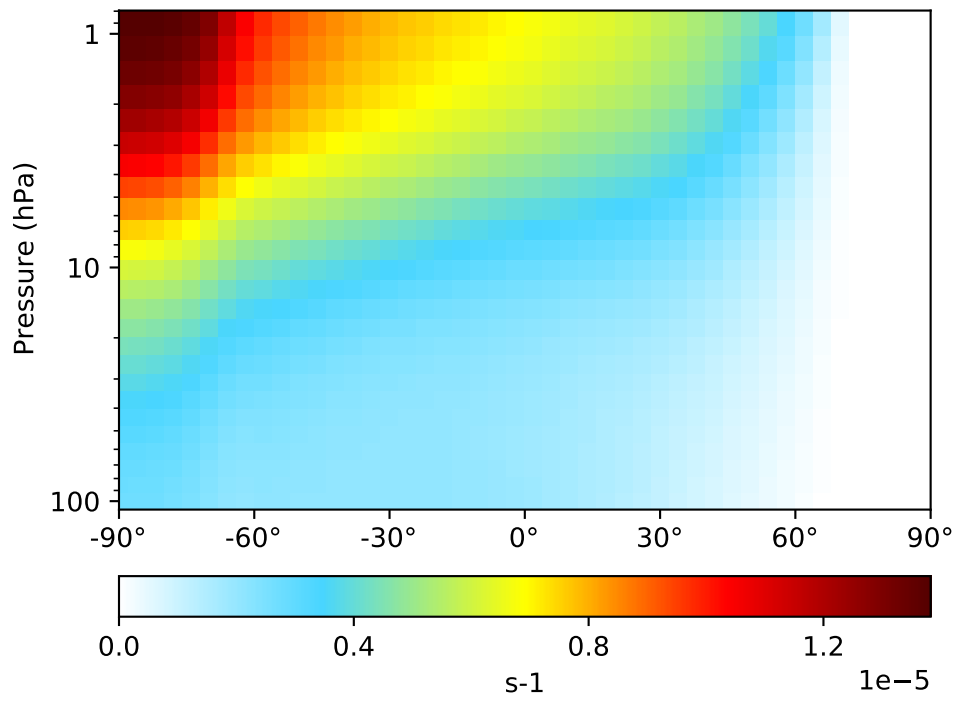


Ratio (1x1.25)
Dev/Ref, Fixed Range

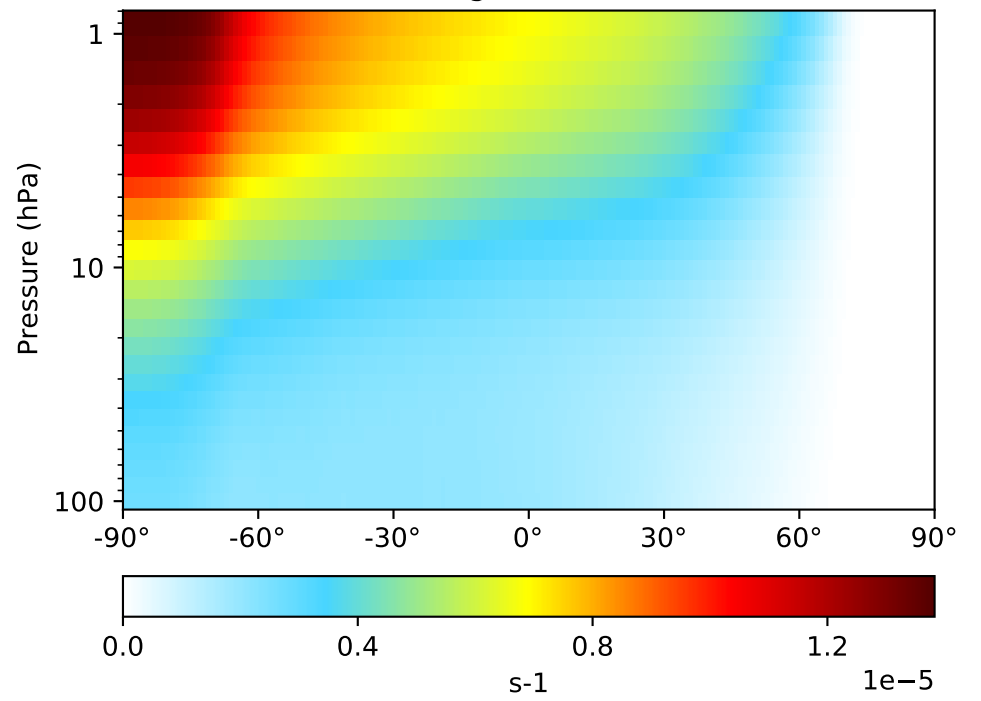


Jval_MONITU, Zonal Mean (Jan2019)

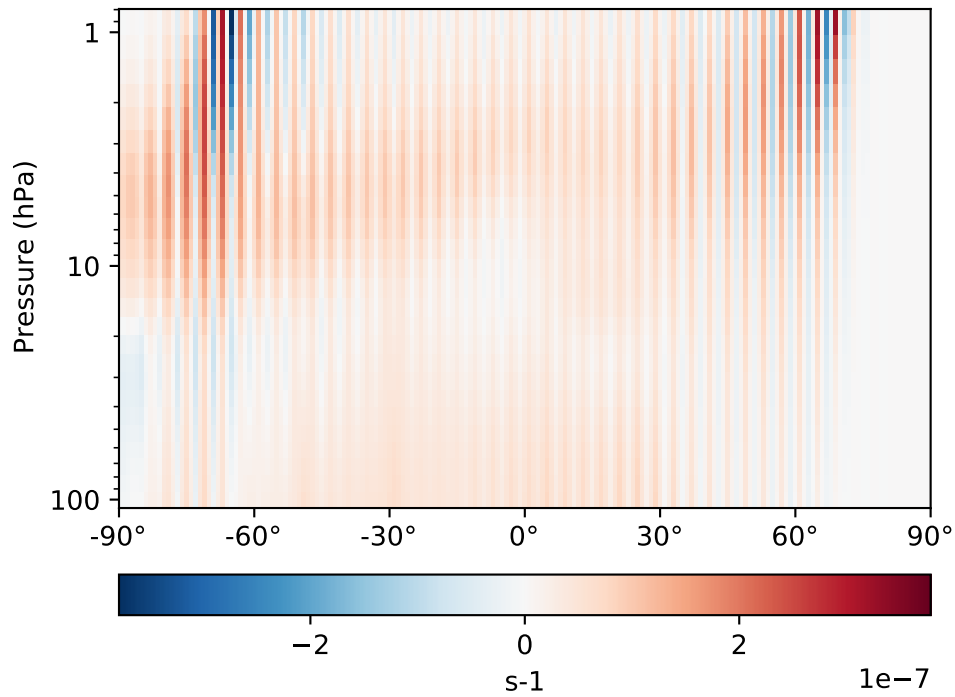
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



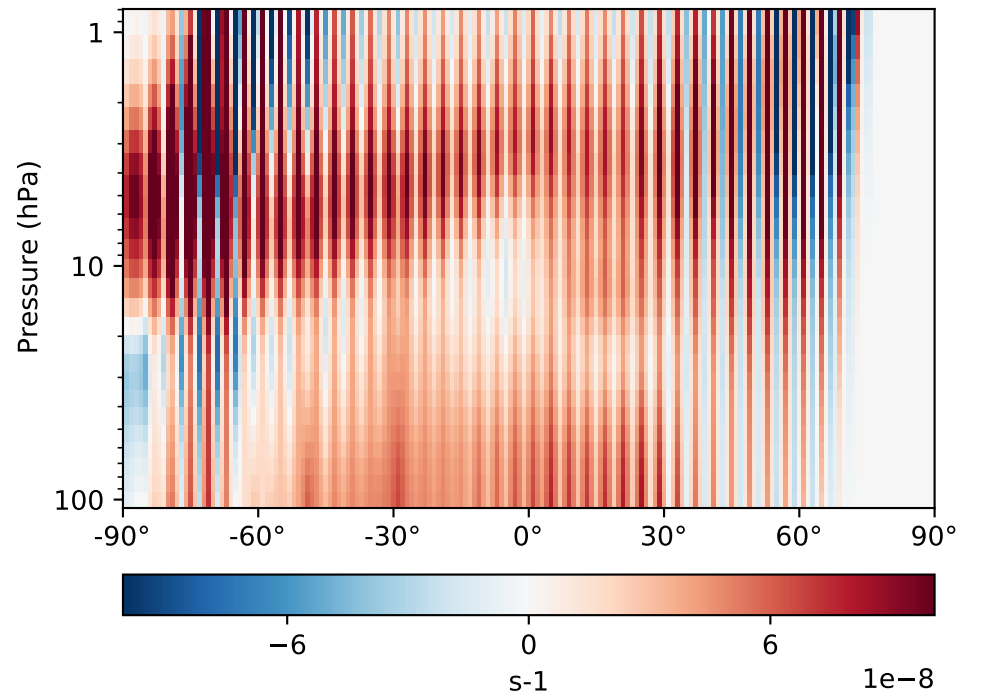
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



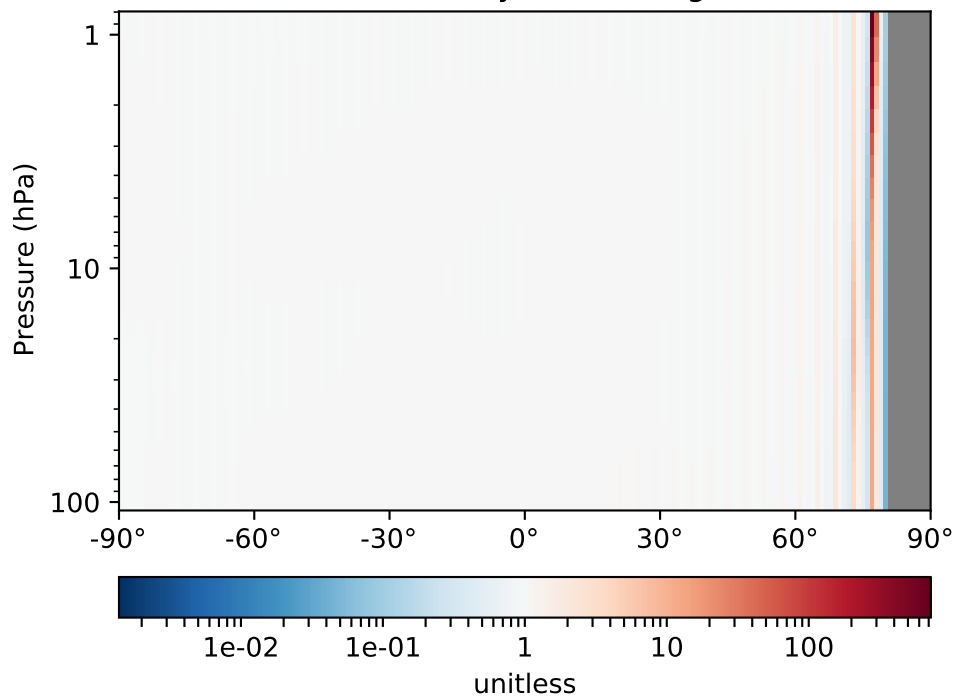
Difference (1x1.25)
Dev - Ref, Dynamic Range



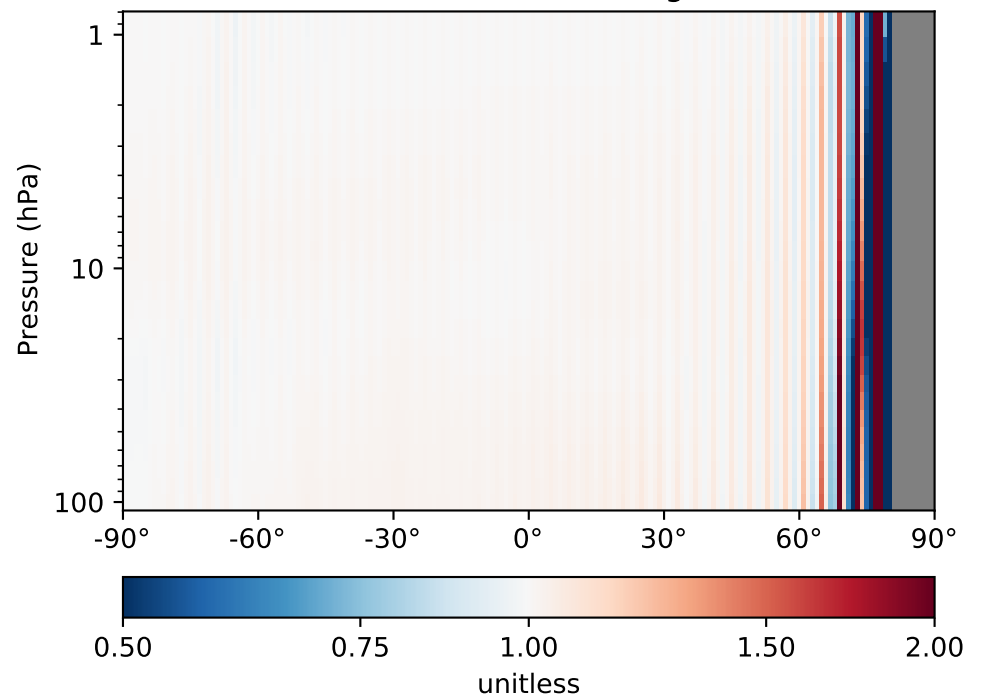
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

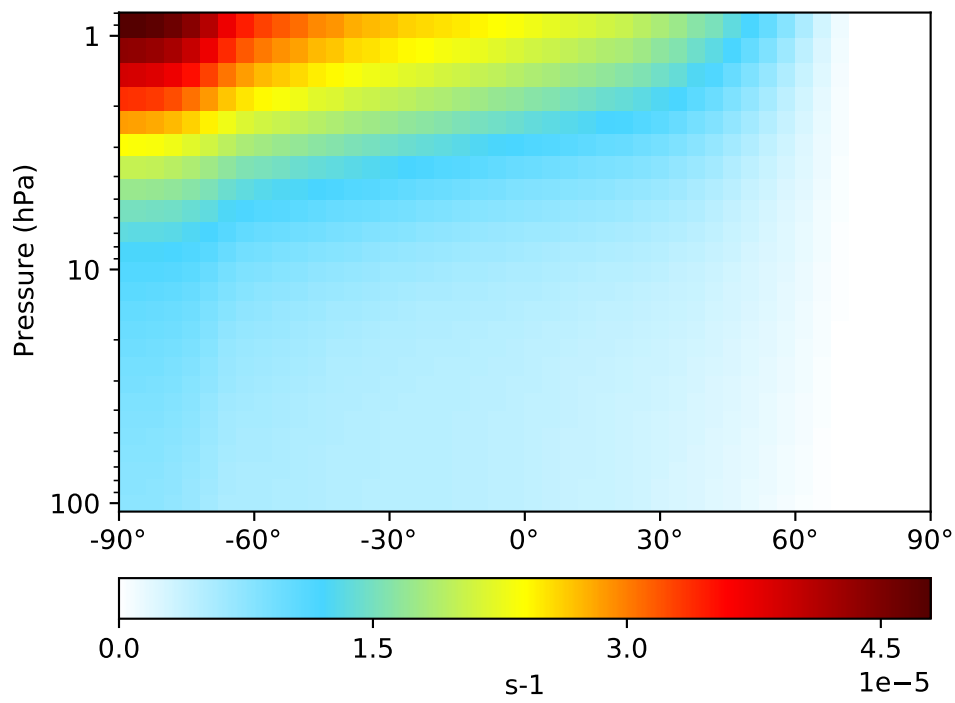


Ratio (1x1.25)
Dev/Ref, Fixed Range

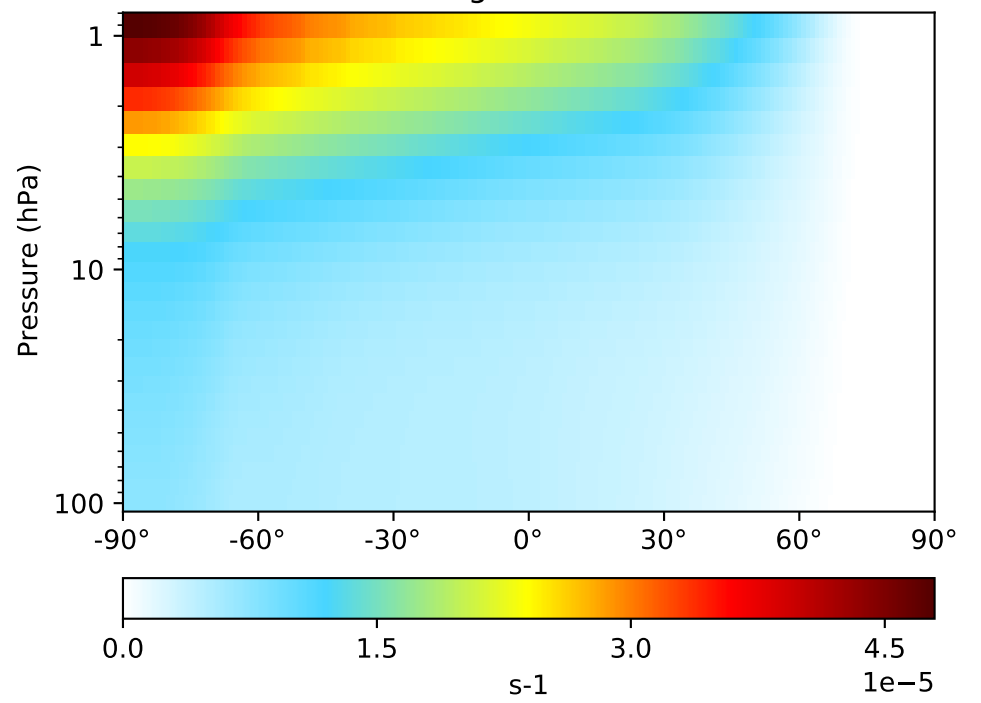


Jval_MP, Zonal Mean (Jan2019)

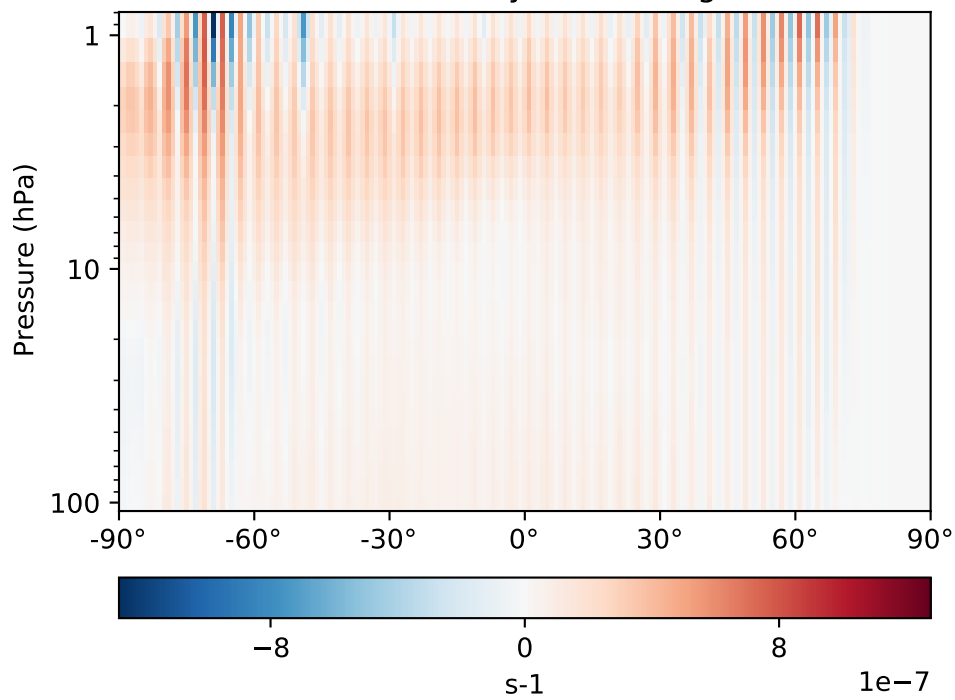
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



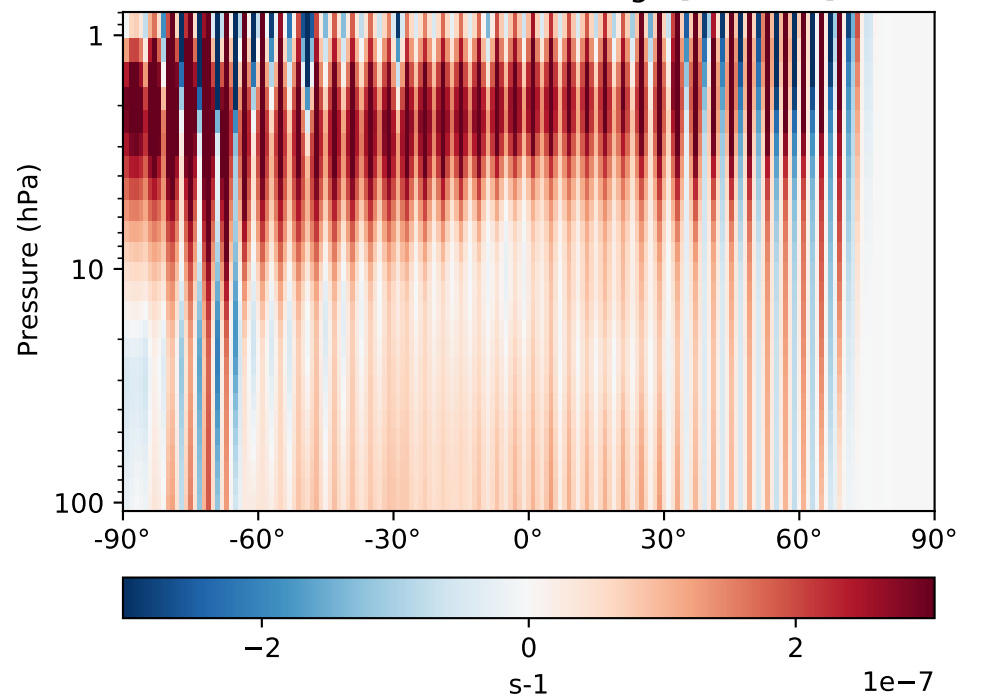
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



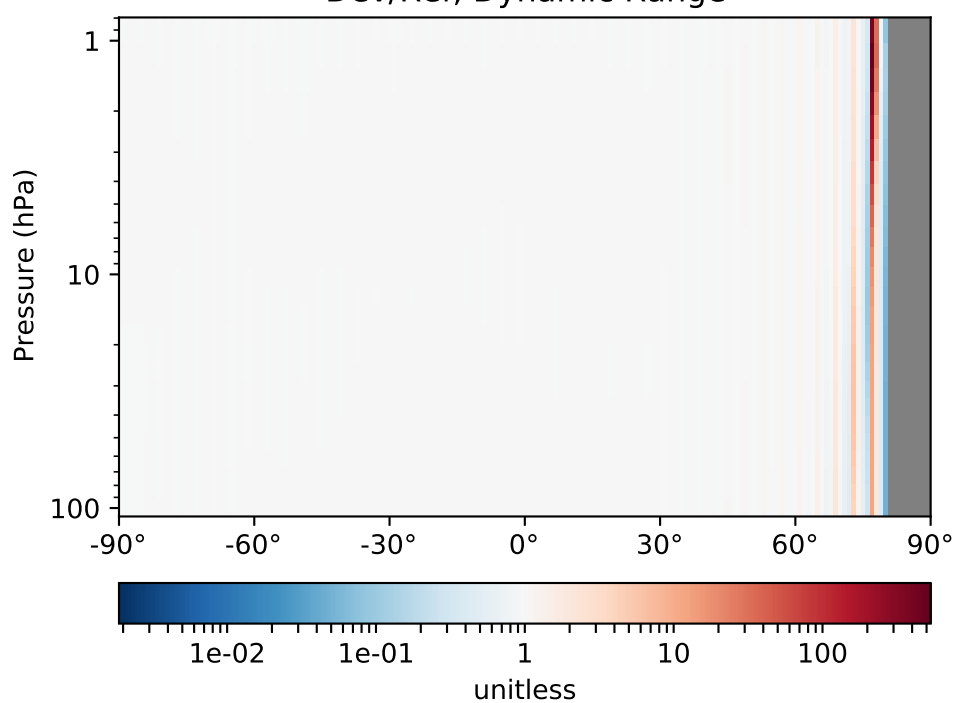
Difference (1x1.25)
Dev - Ref, Dynamic Range



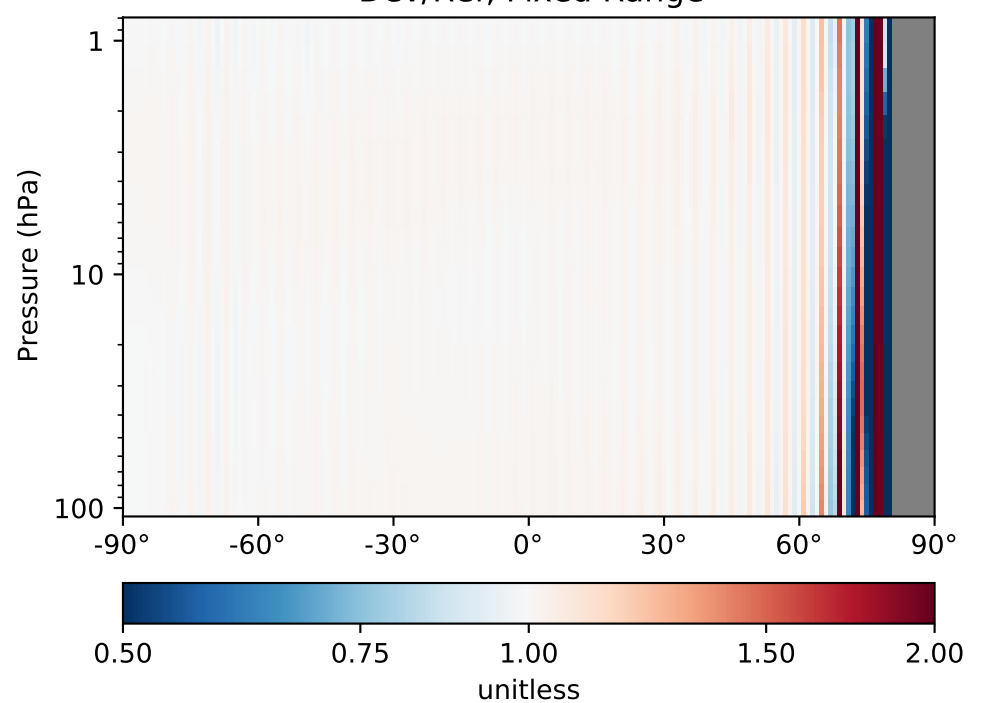
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

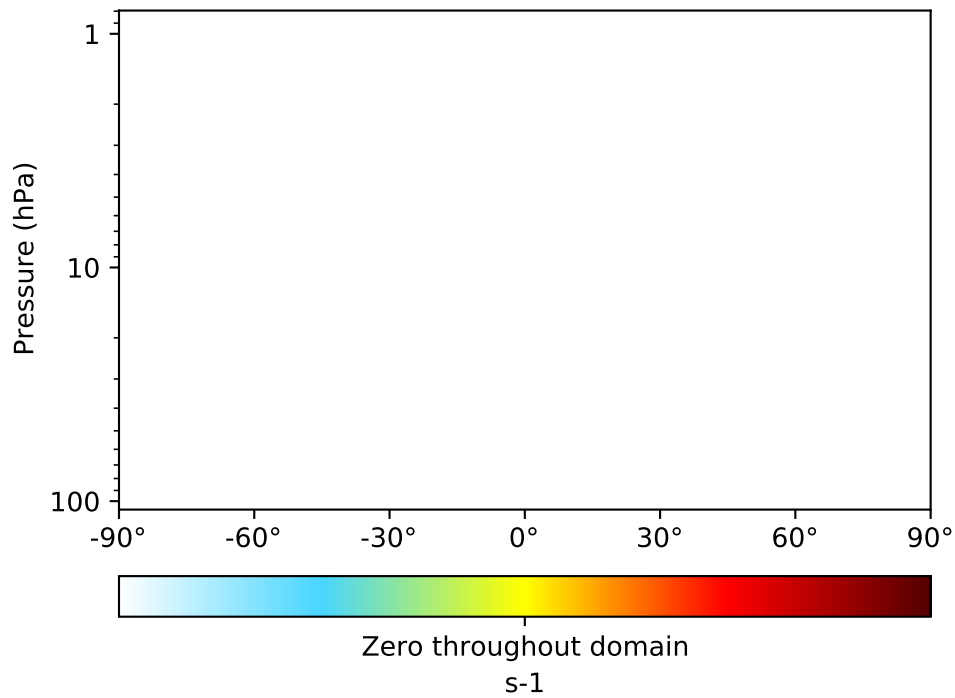


Ratio (1x1.25)
Dev/Ref, Fixed Range

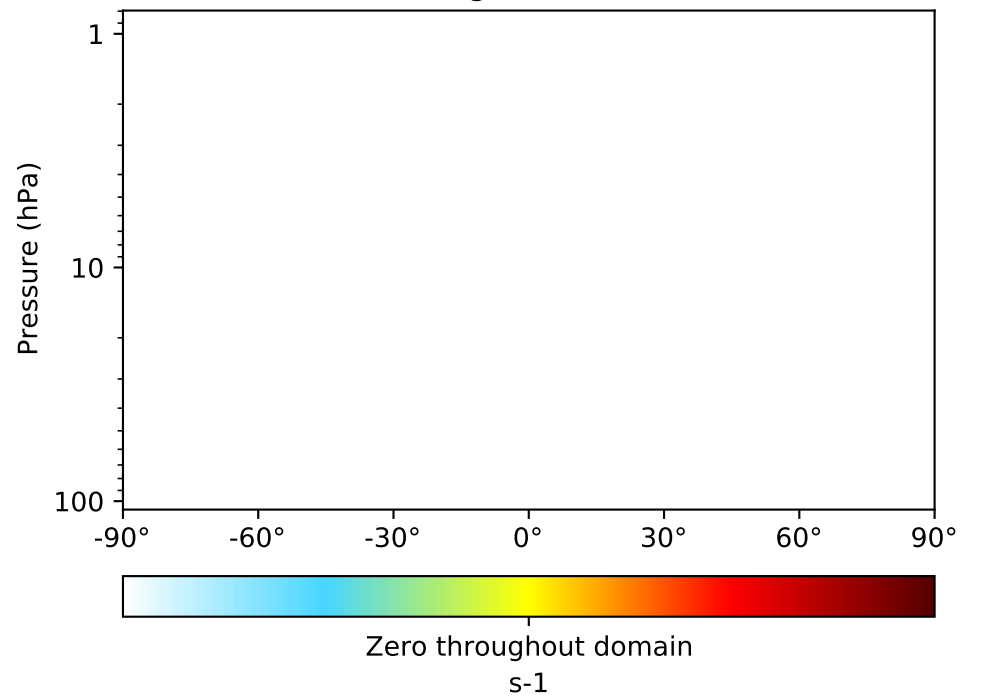


Jval_MPAN, Zonal Mean (Jan2019)

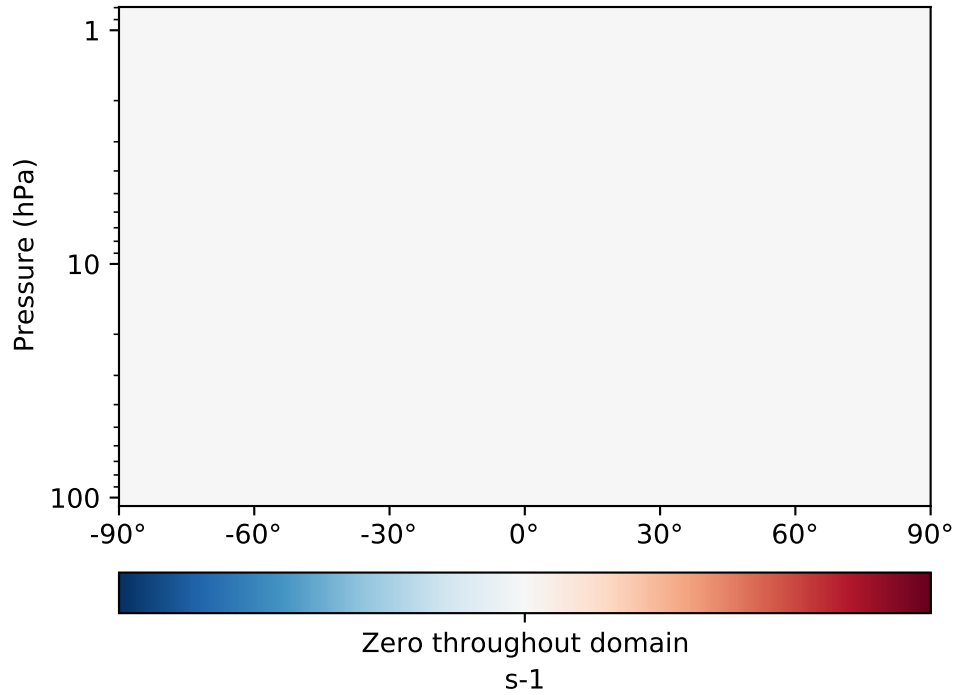
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



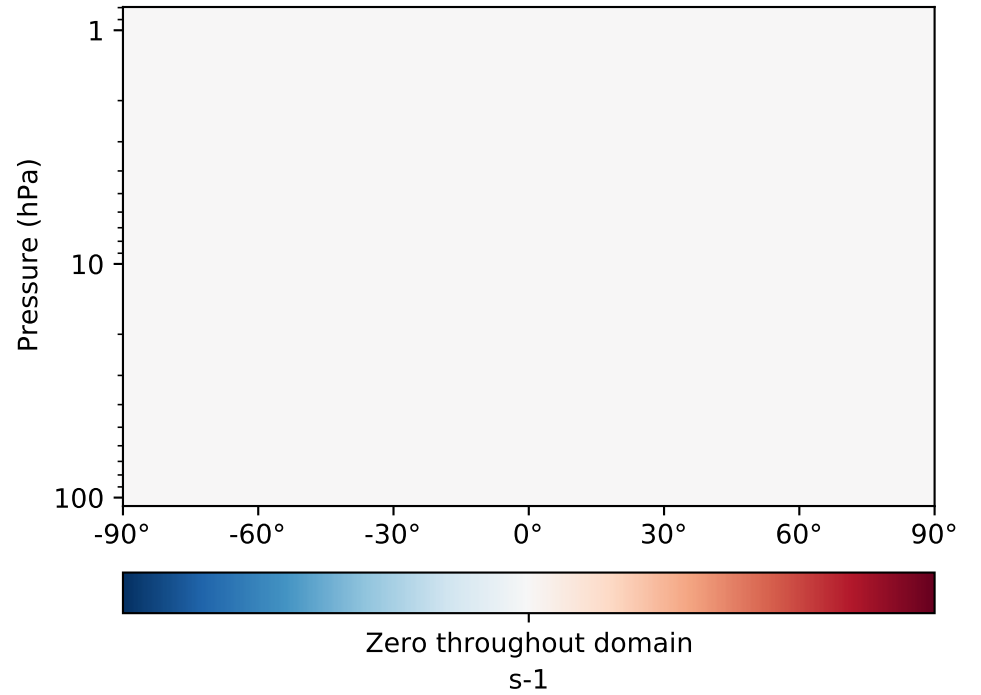
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regridded from c48



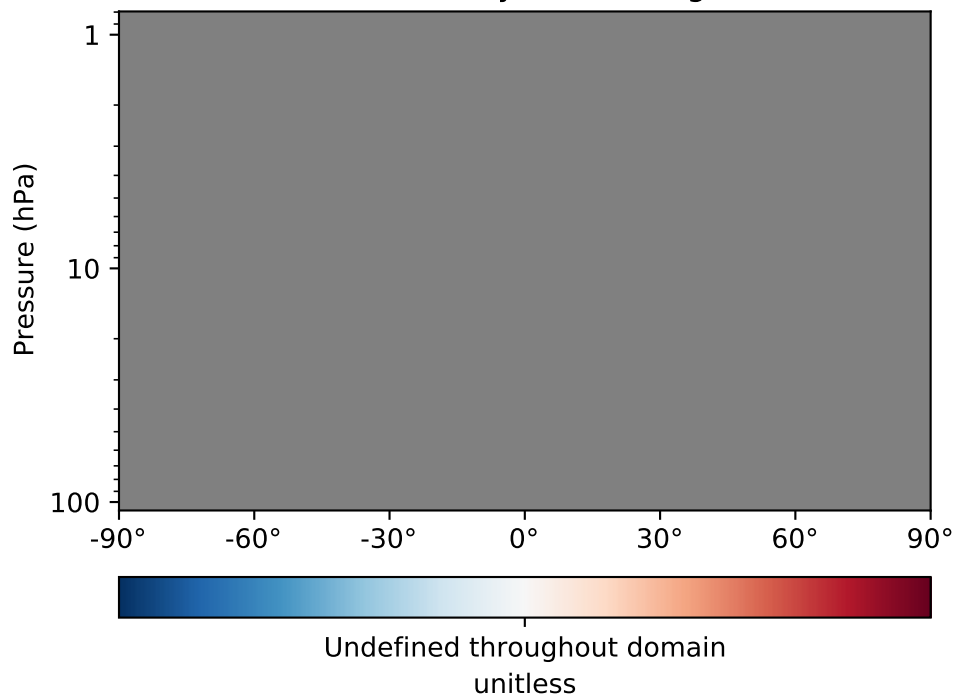
Difference (1x1.25)
Dev - Ref, Dynamic Range



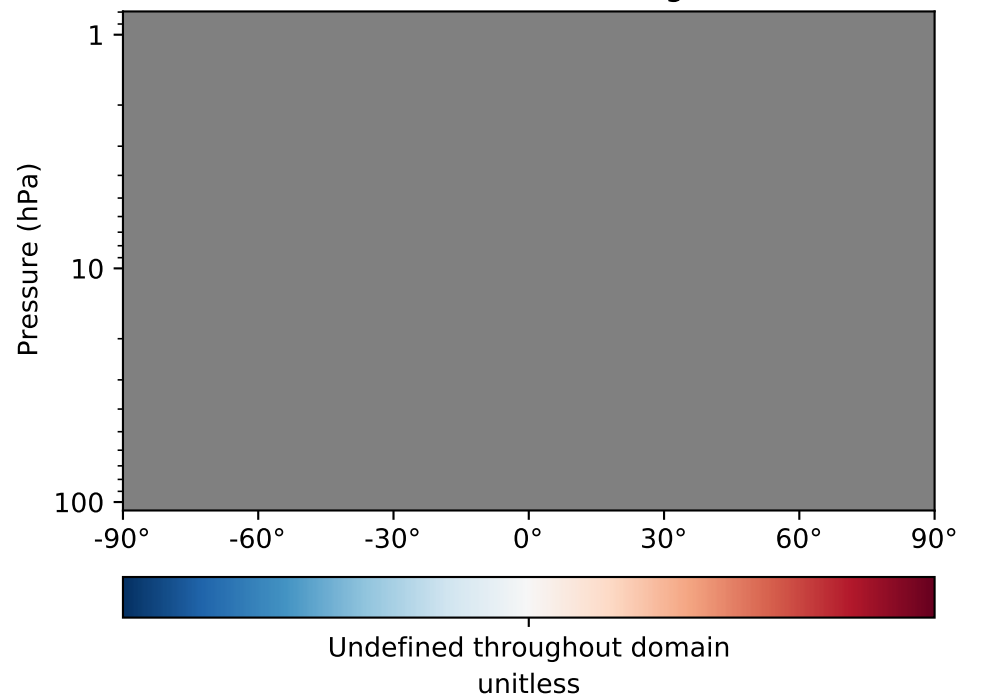
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

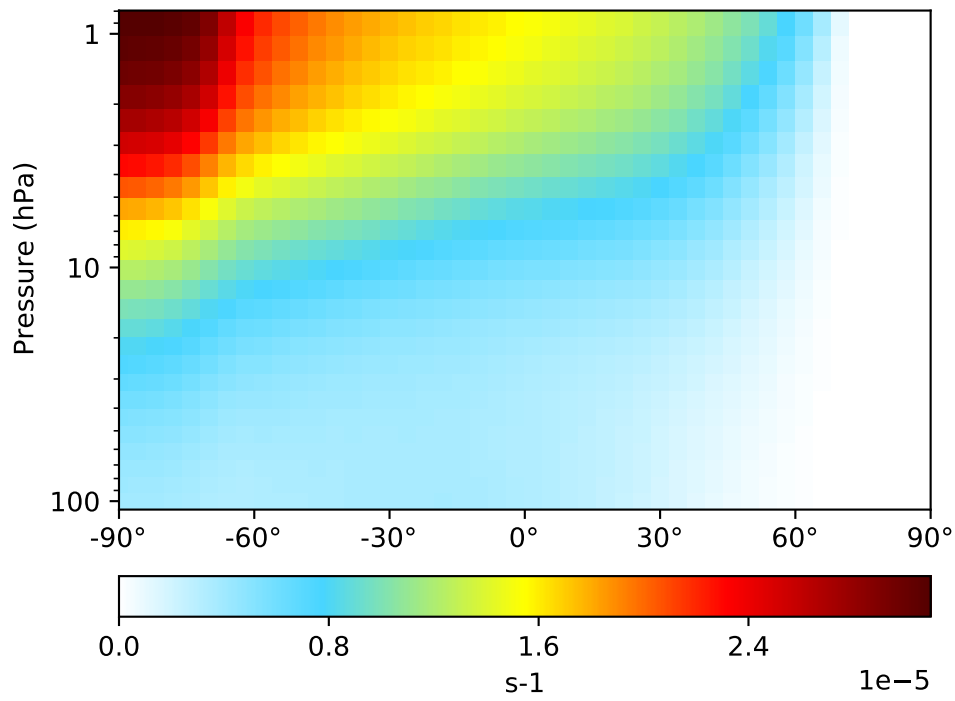


Ratio (1x1.25)
Dev/Ref, Fixed Range

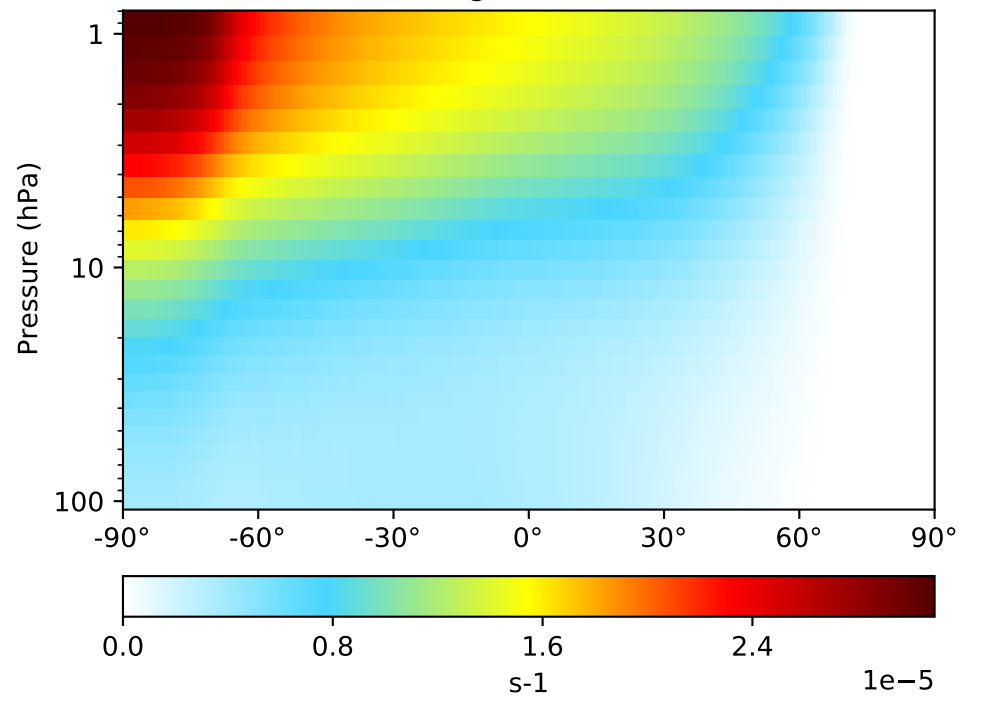


Jval_MPN, Zonal Mean (Jan2019)

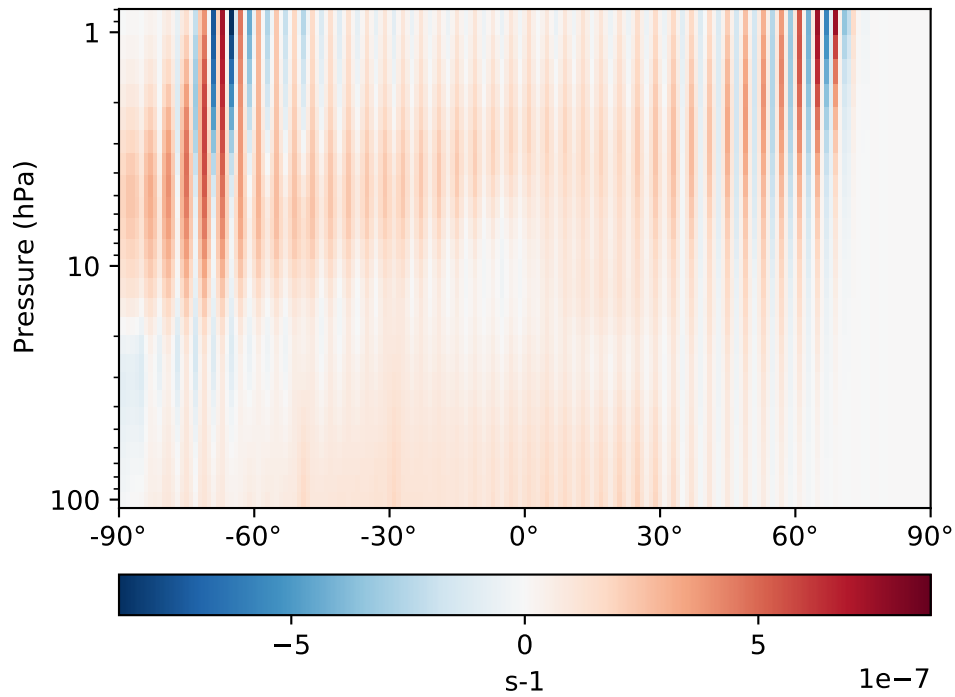
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



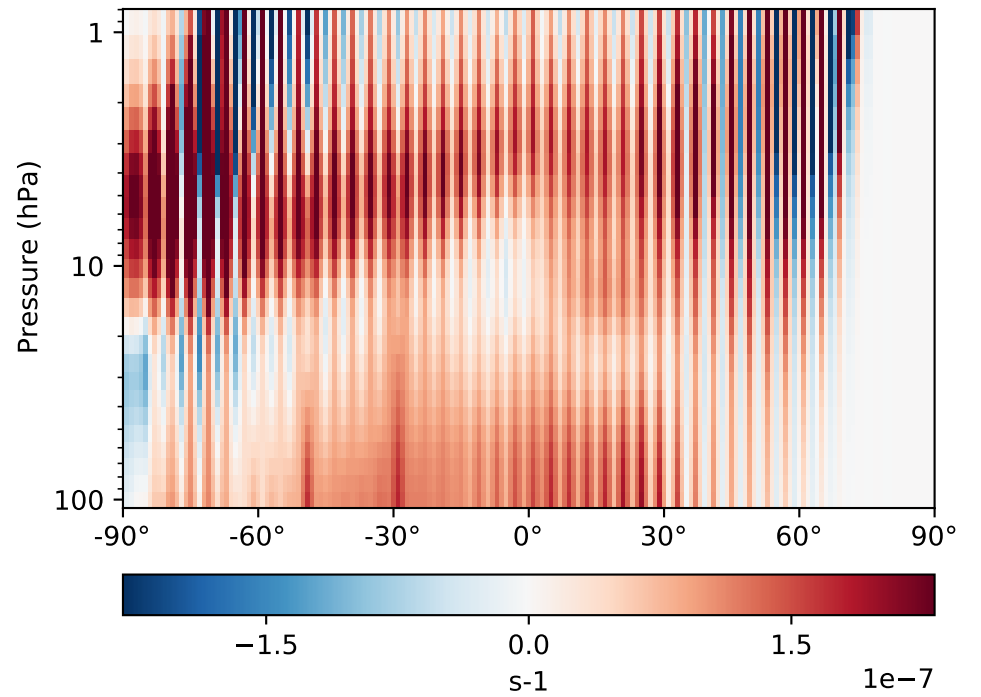
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



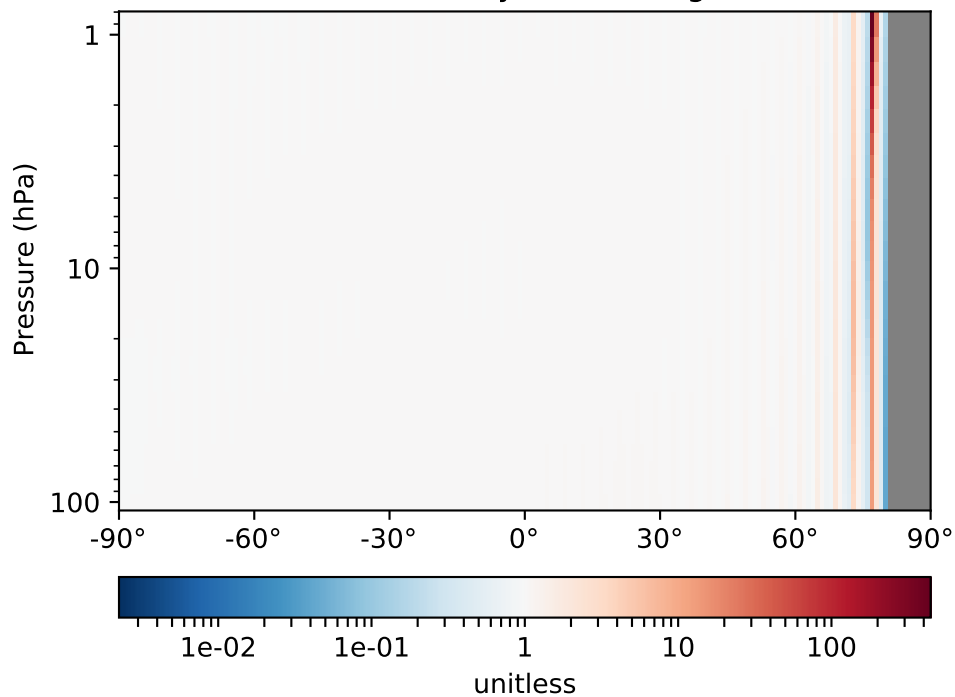
Difference (1x1.25)
Dev - Ref, Dynamic Range



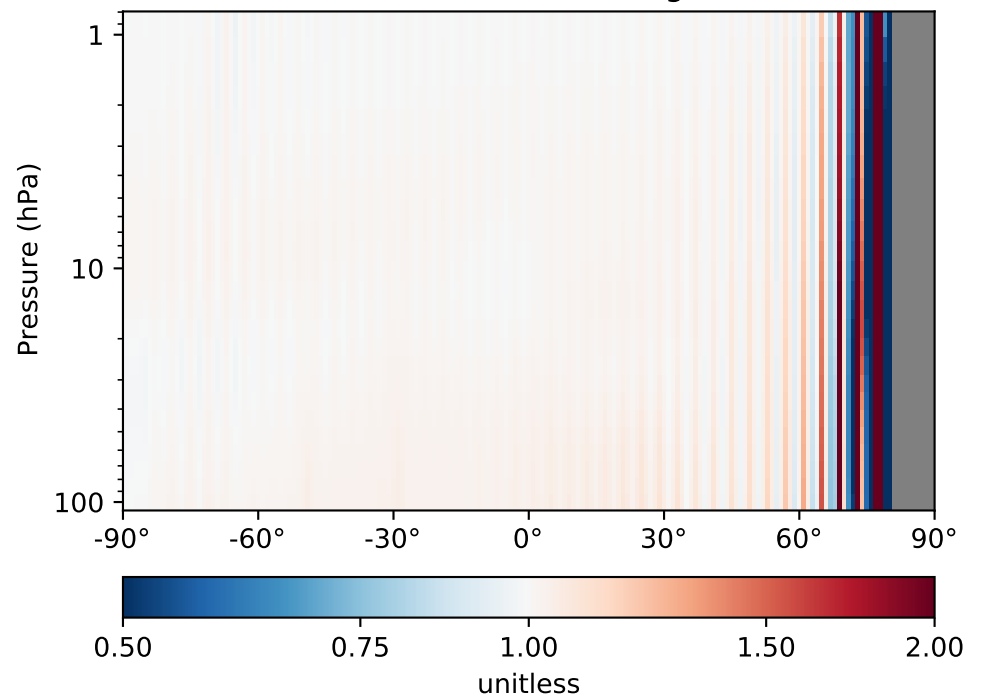
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

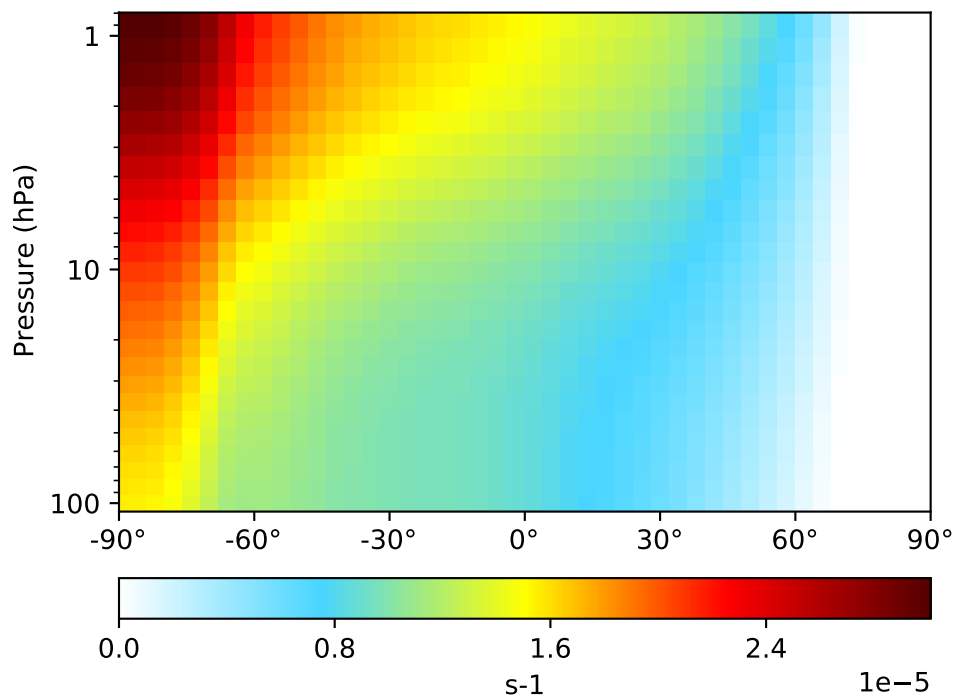


Ratio (1x1.25)
Dev/Ref, Fixed Range

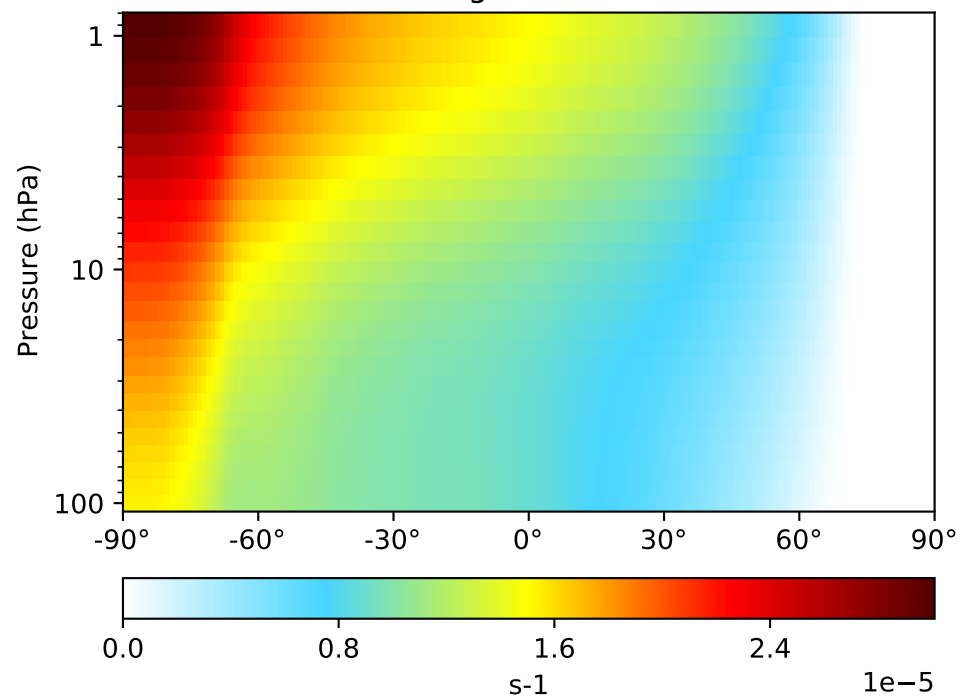


Jval_MVK, Zonal Mean (Jan2019)

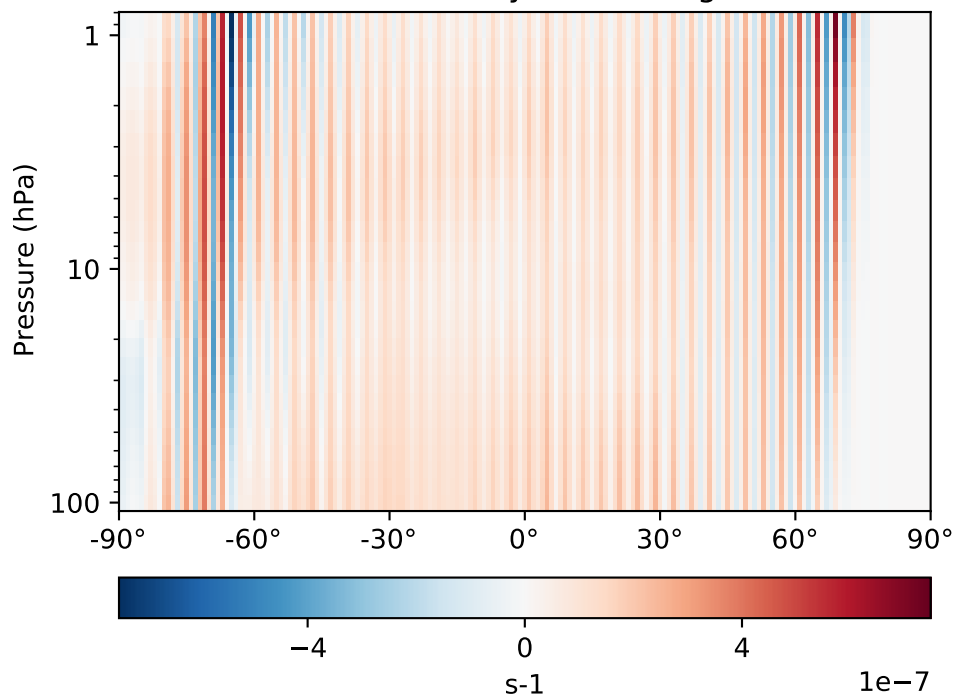
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



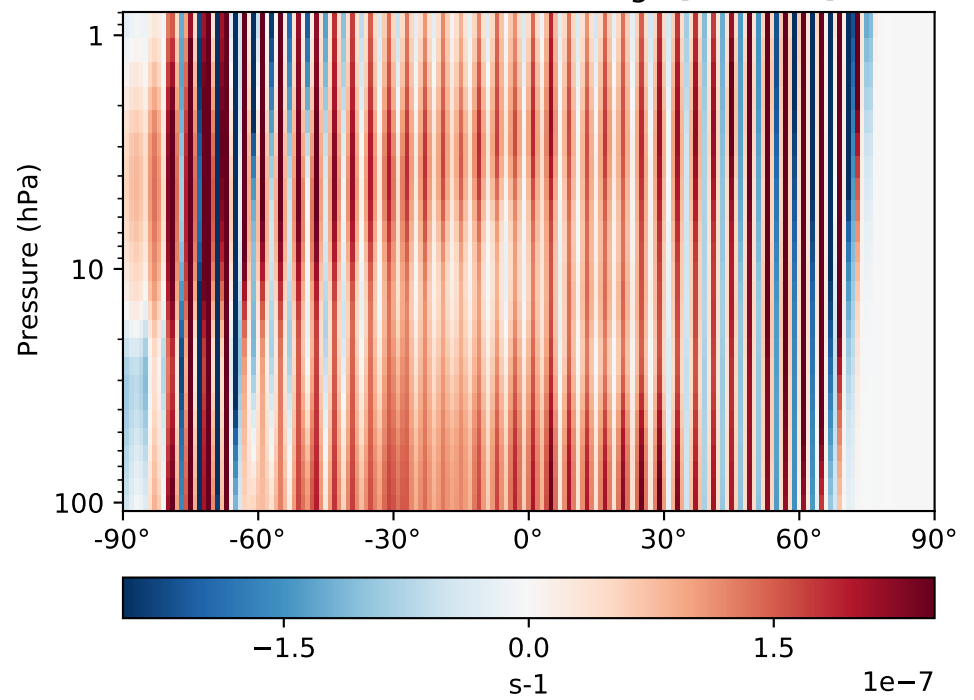
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



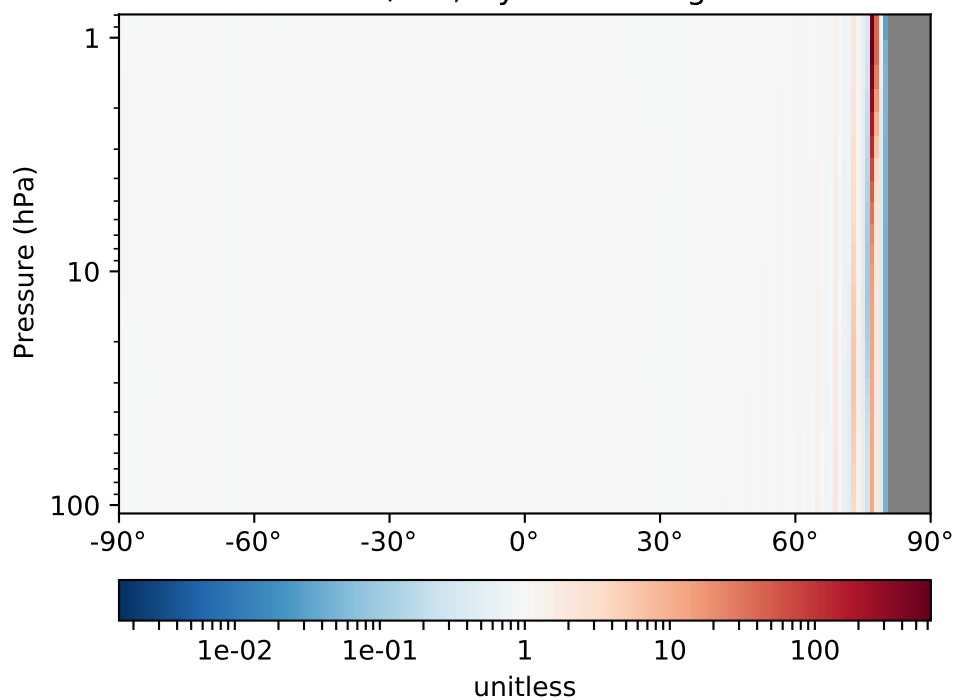
Difference (1x1.25)
Dev - Ref, Dynamic Range



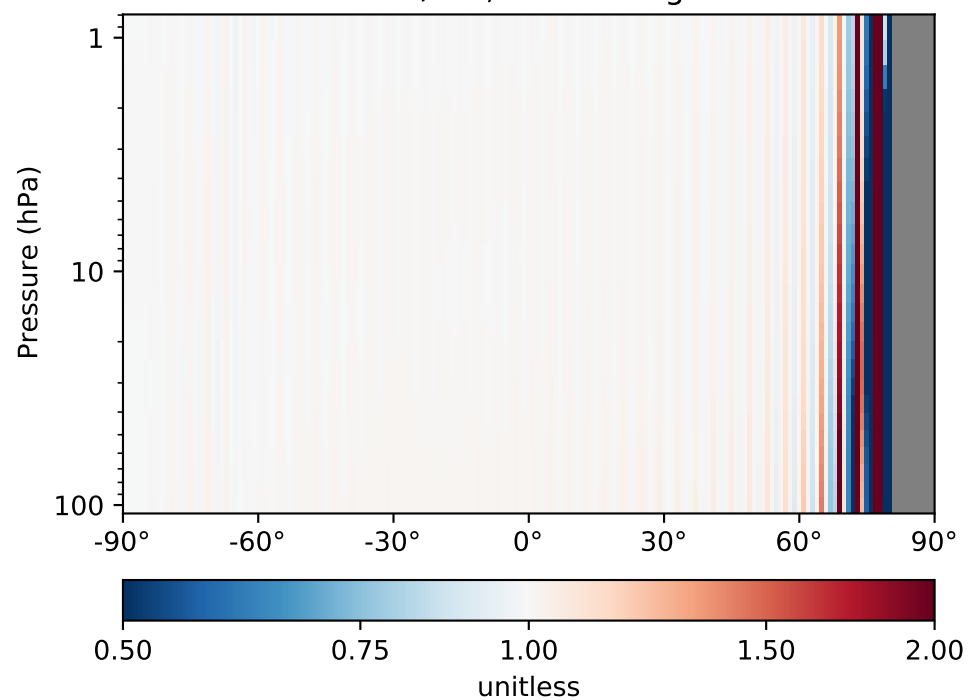
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

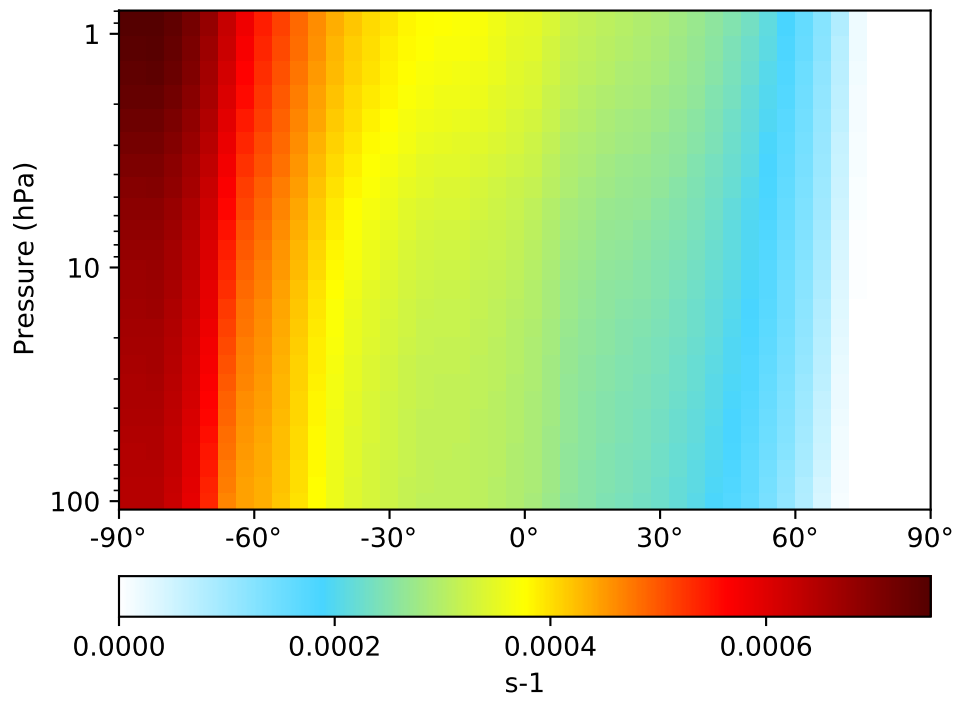


Ratio (1x1.25)
Dev/Ref, Fixed Range

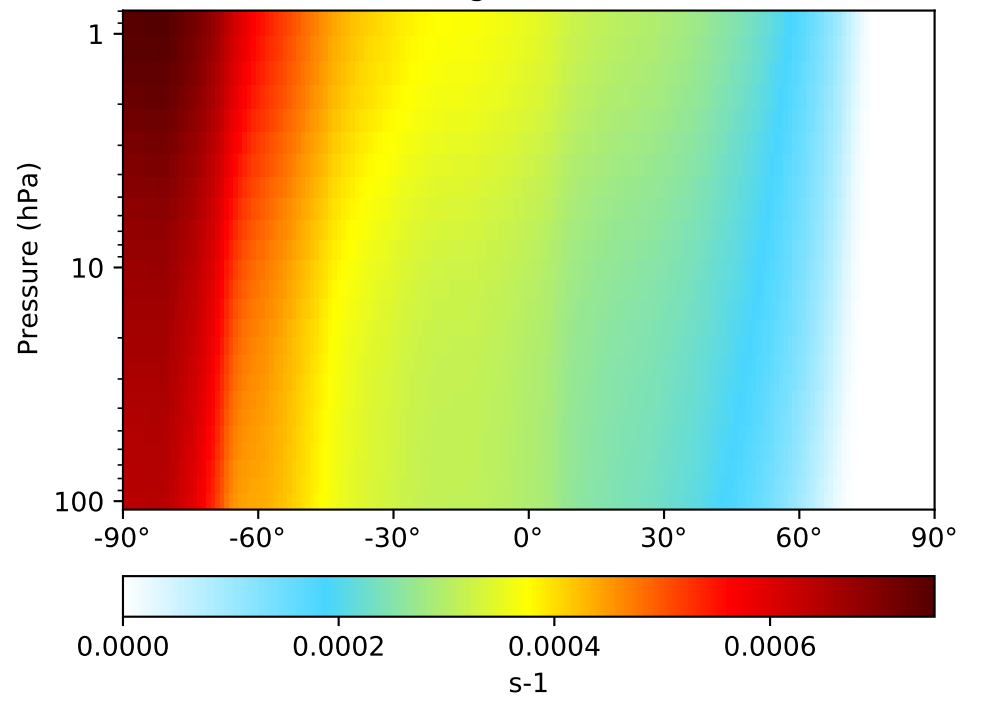


Jval_MVKHC, Zonal Mean (Jan2019)

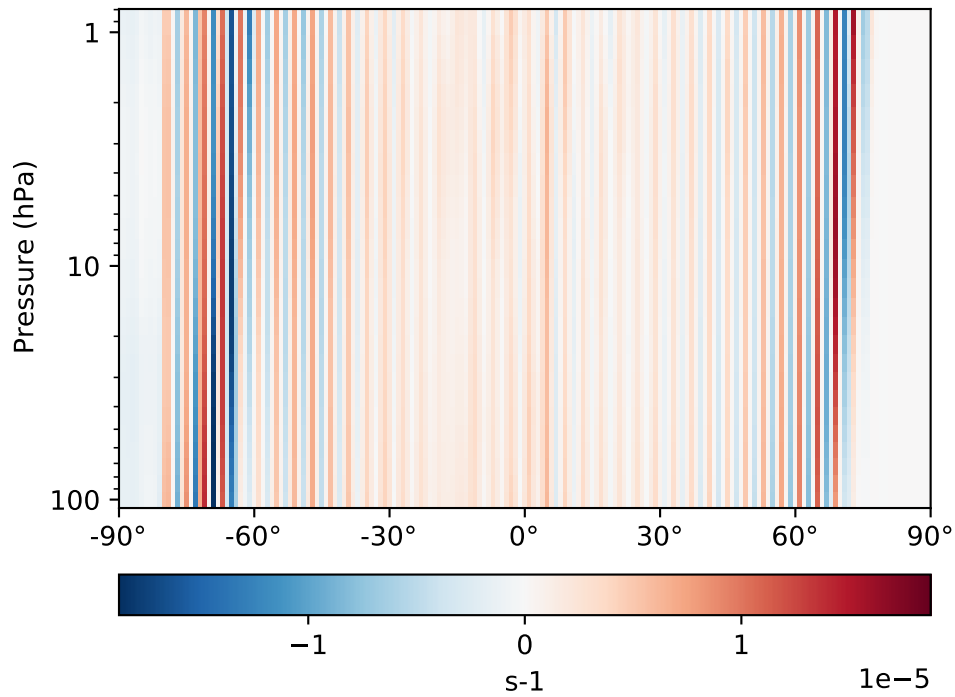
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



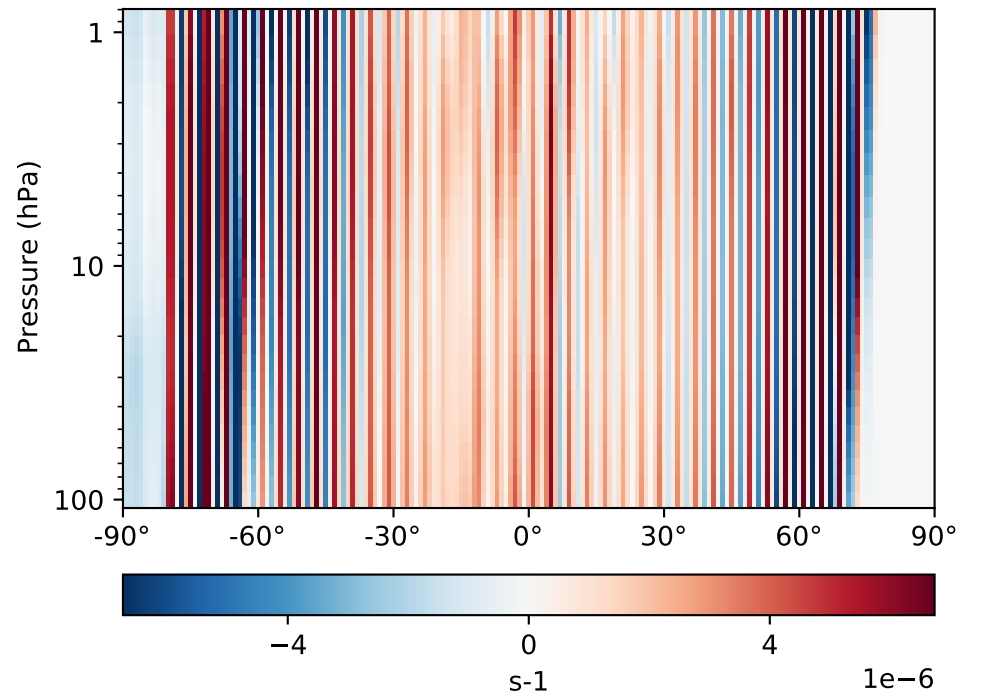
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



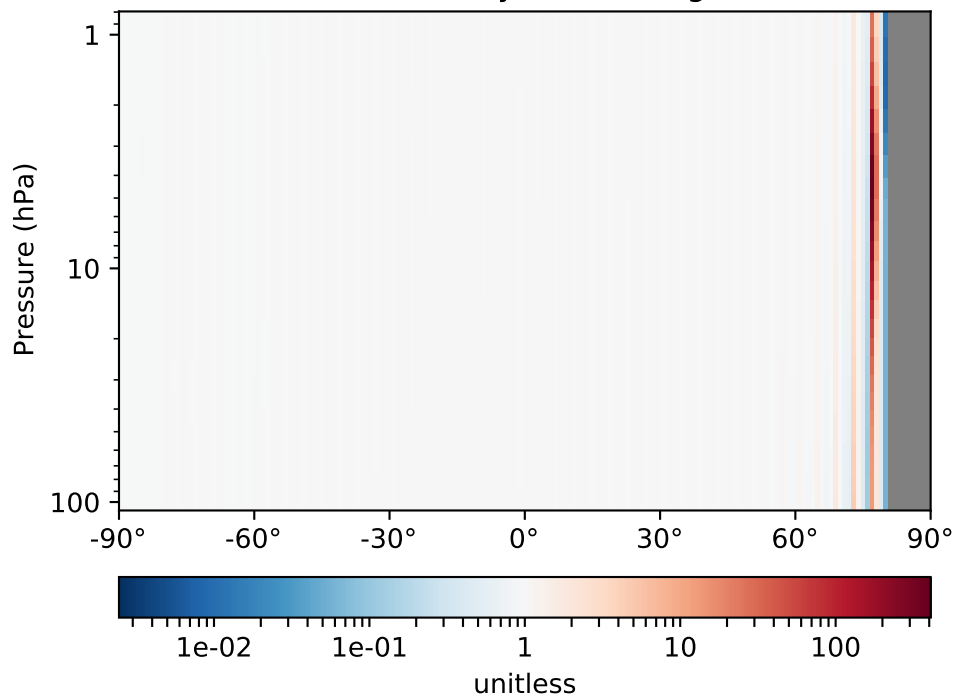
Difference (1x1.25)
Dev - Ref, Dynamic Range



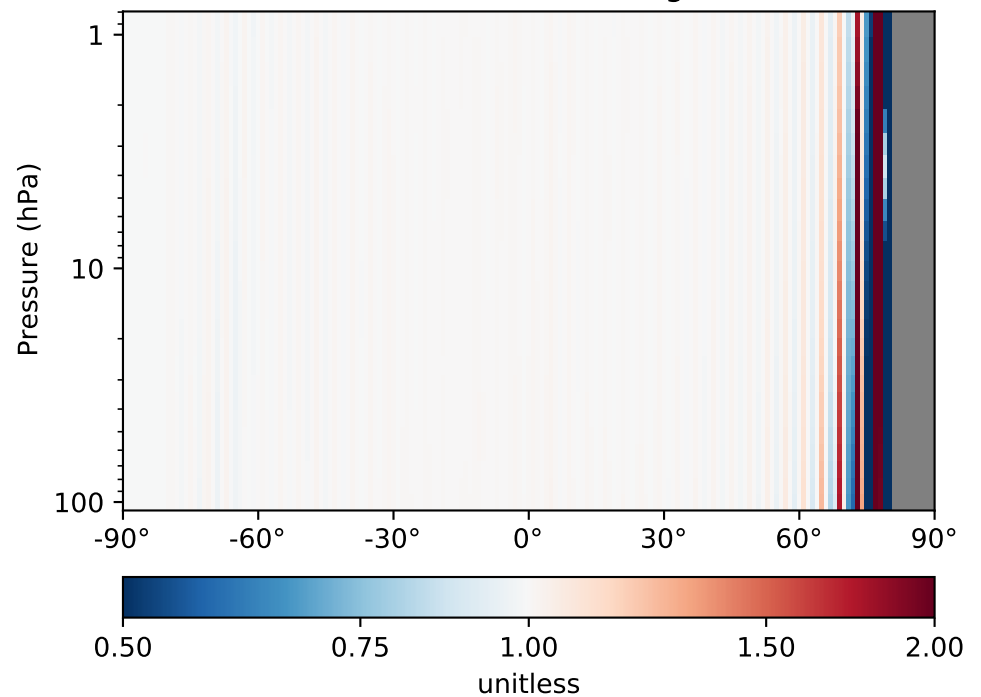
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

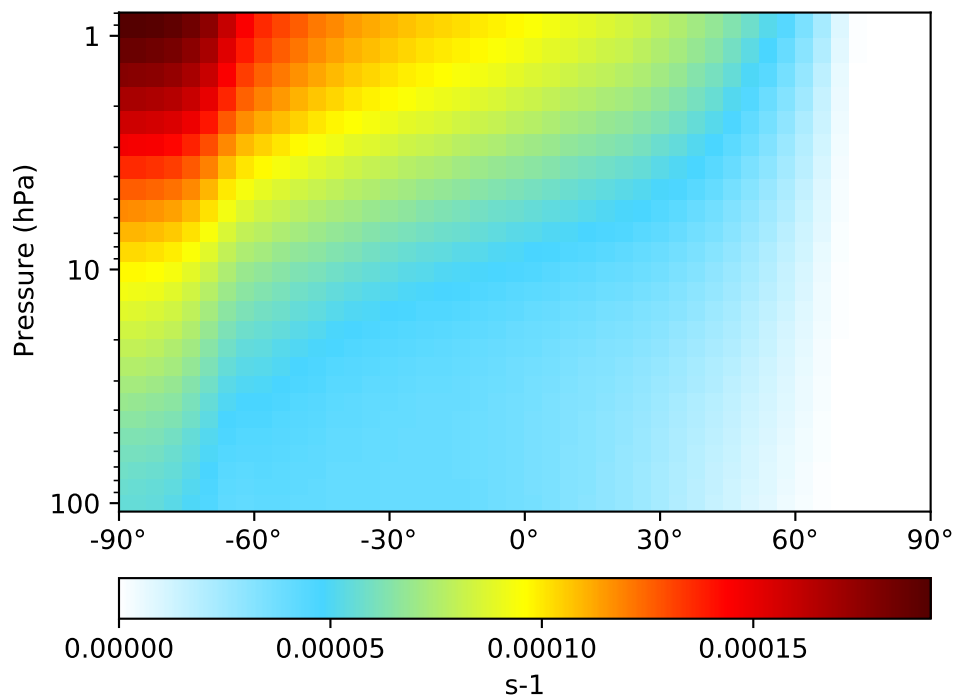


Ratio (1x1.25)
Dev/Ref, Fixed Range

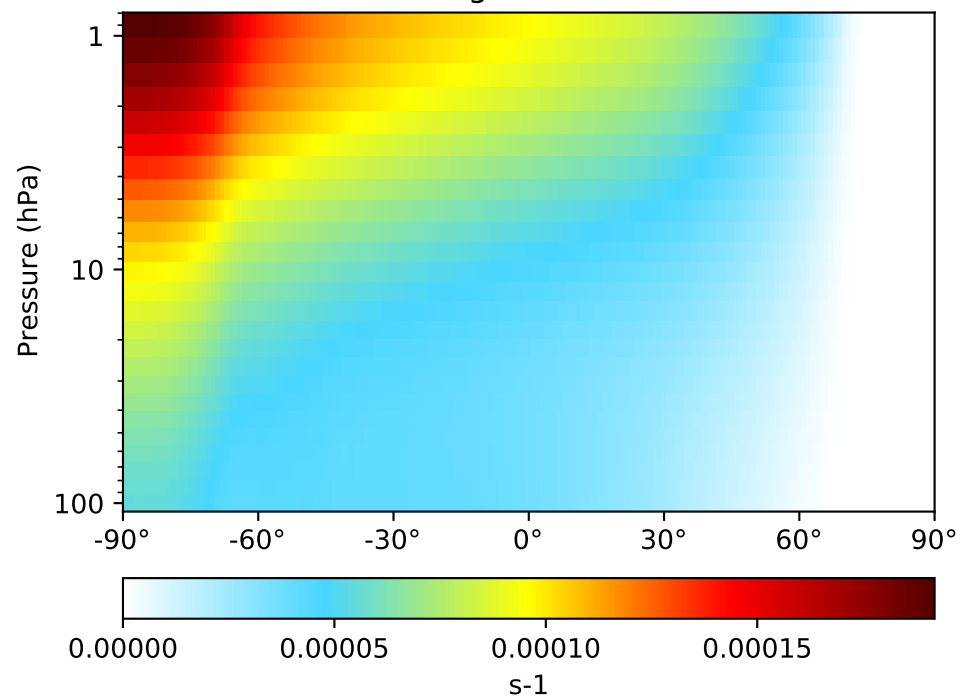


Jval_MVKHCB, Zonal Mean (Jan2019)

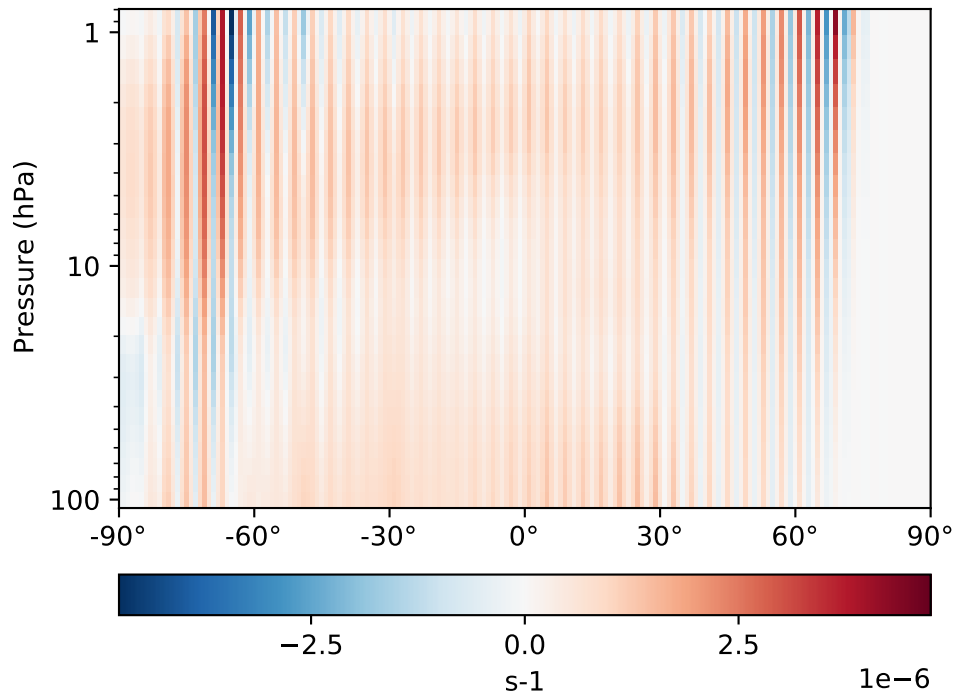
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



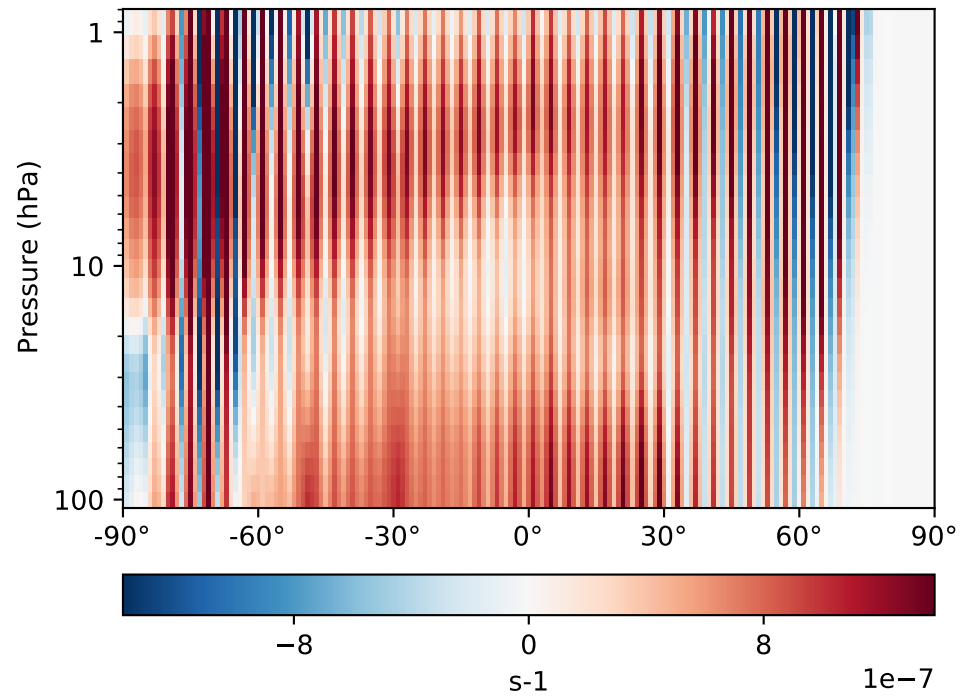
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



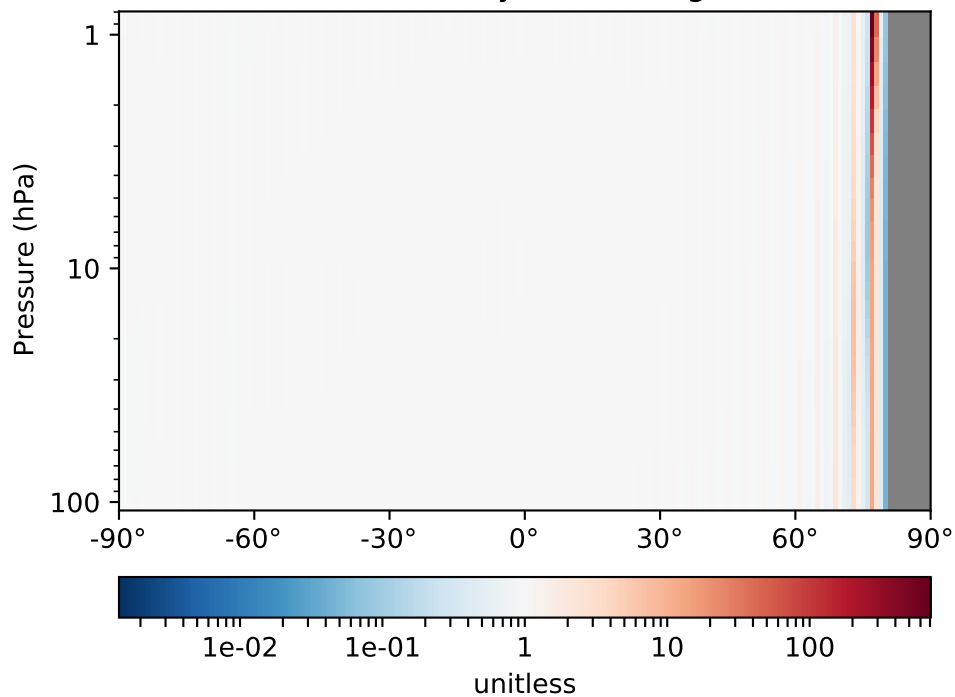
Difference (1x1.25)
Dev - Ref, Dynamic Range



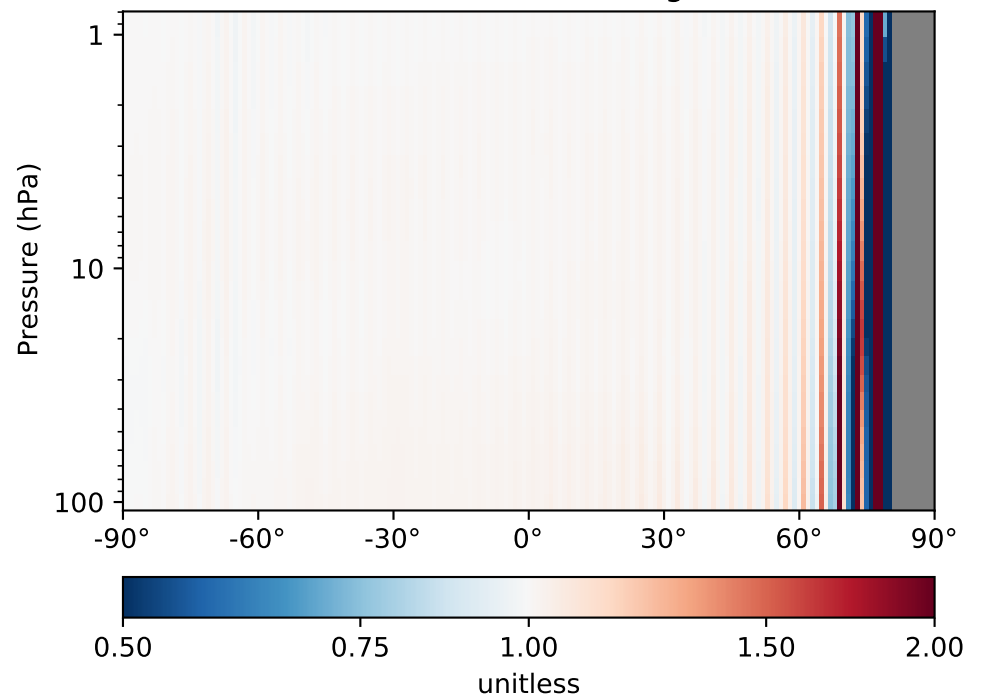
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

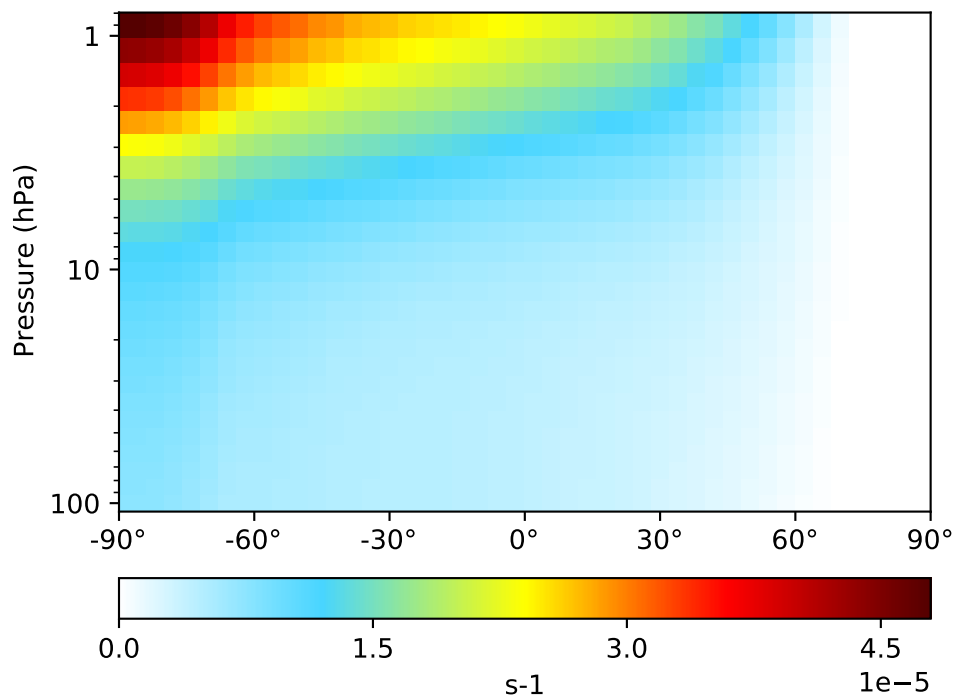


Ratio (1x1.25)
Dev/Ref, Fixed Range

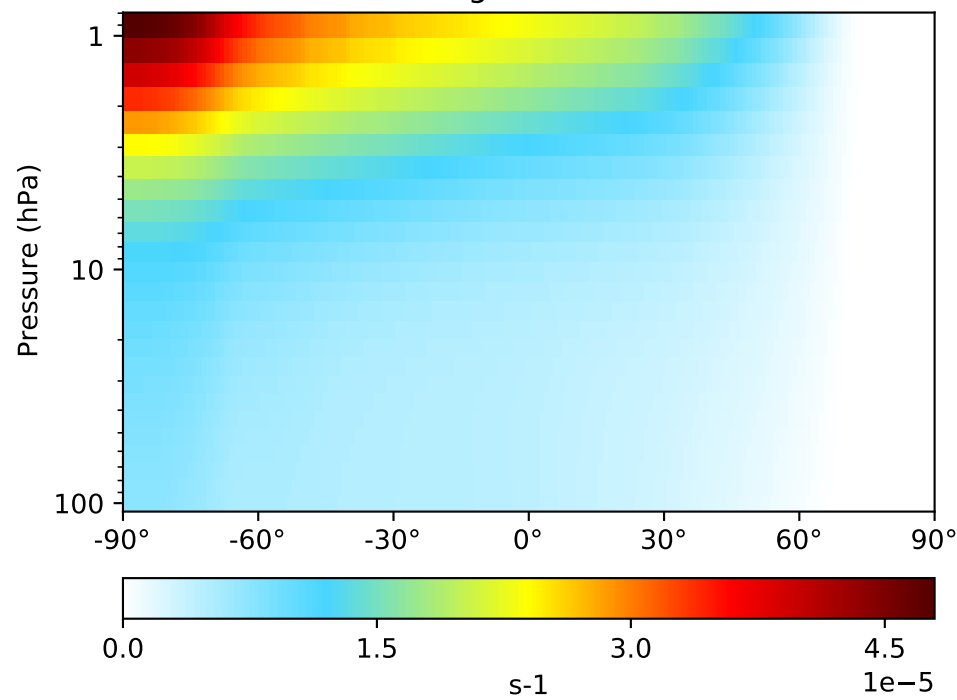


Jval_MVKHP, Zonal Mean (Jan2019)

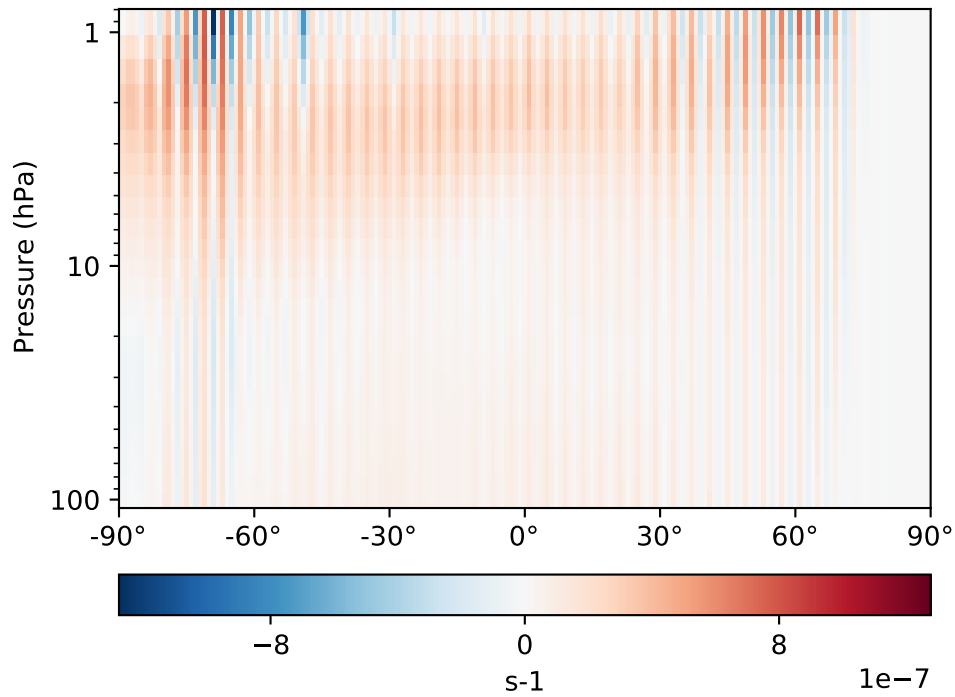
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



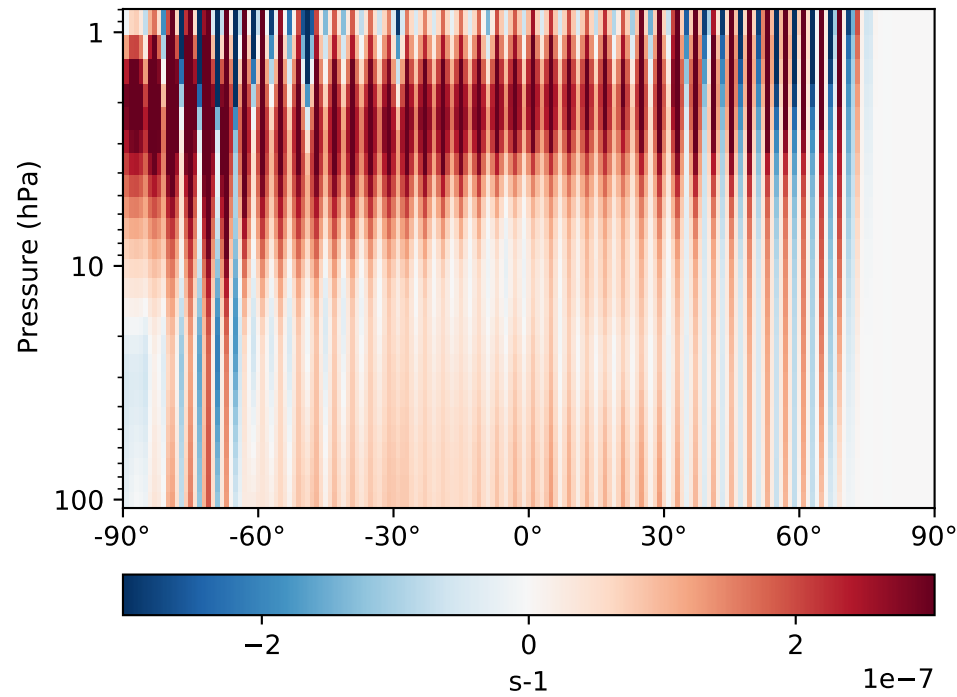
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



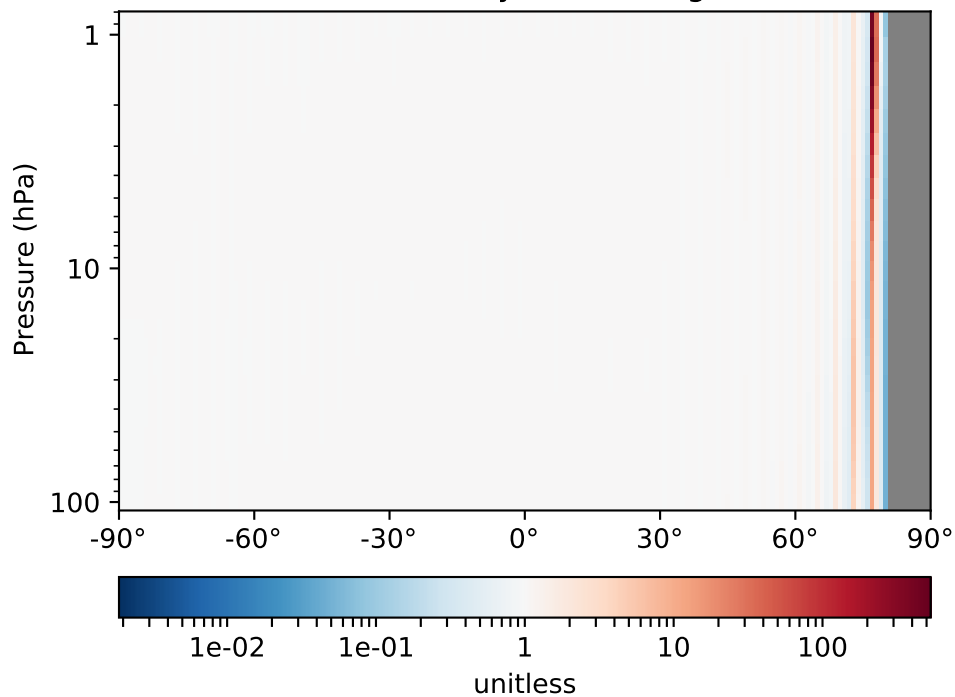
Difference (1x1.25)
Dev - Ref, Dynamic Range



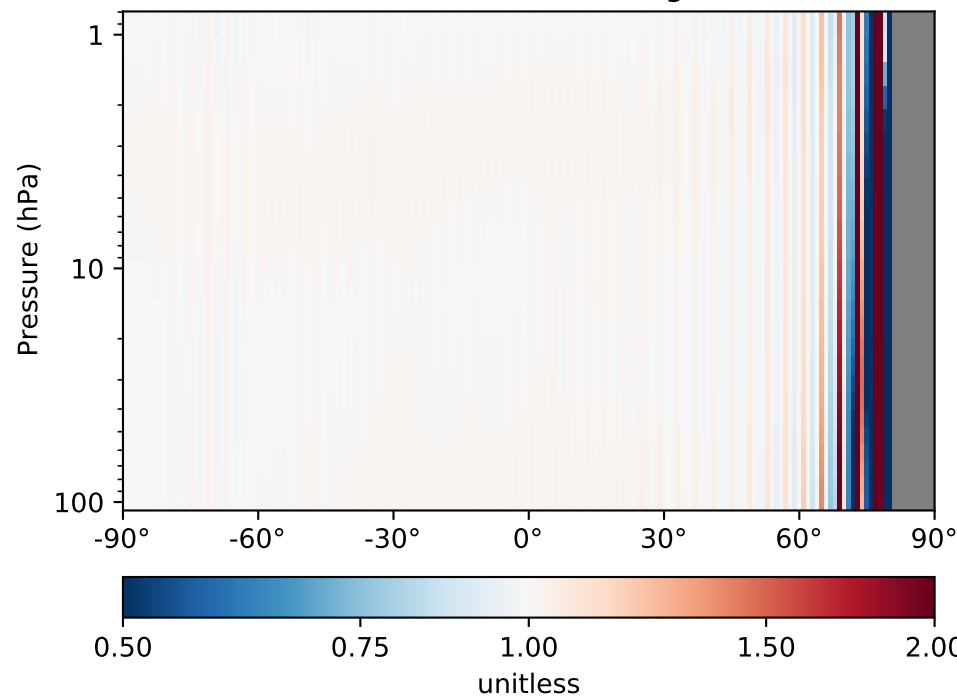
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

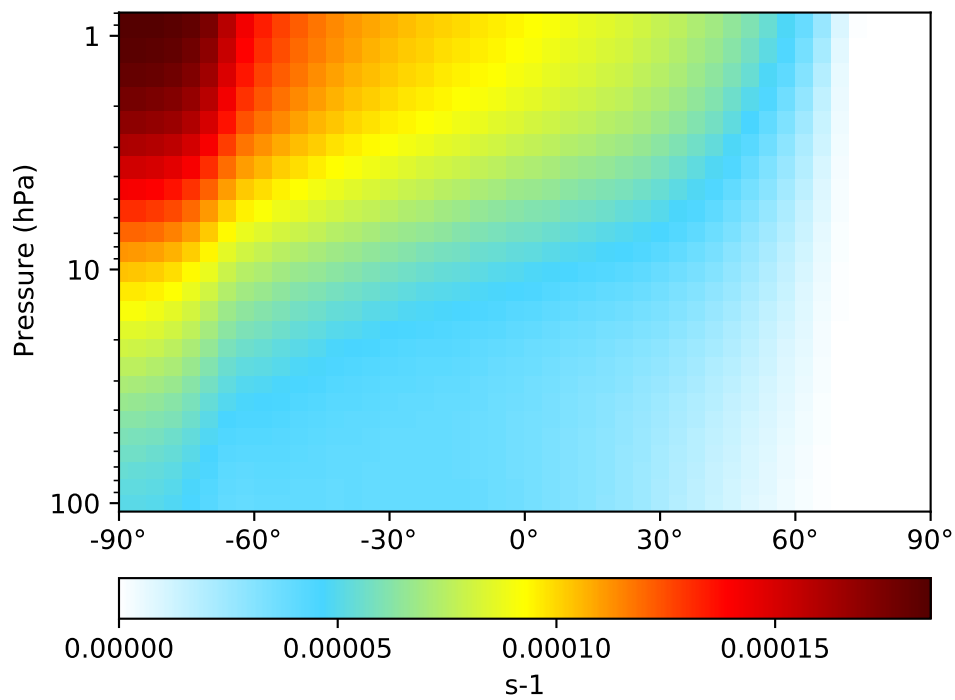


Ratio (1x1.25)
Dev/Ref, Fixed Range

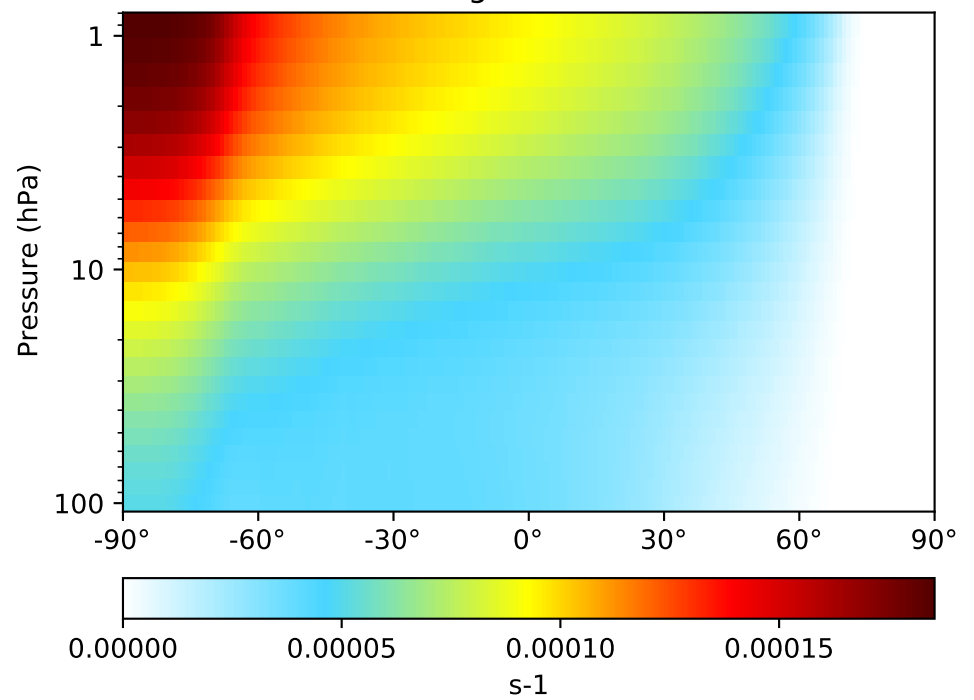


Jval_MVKN, Zonal Mean (Jan2019)

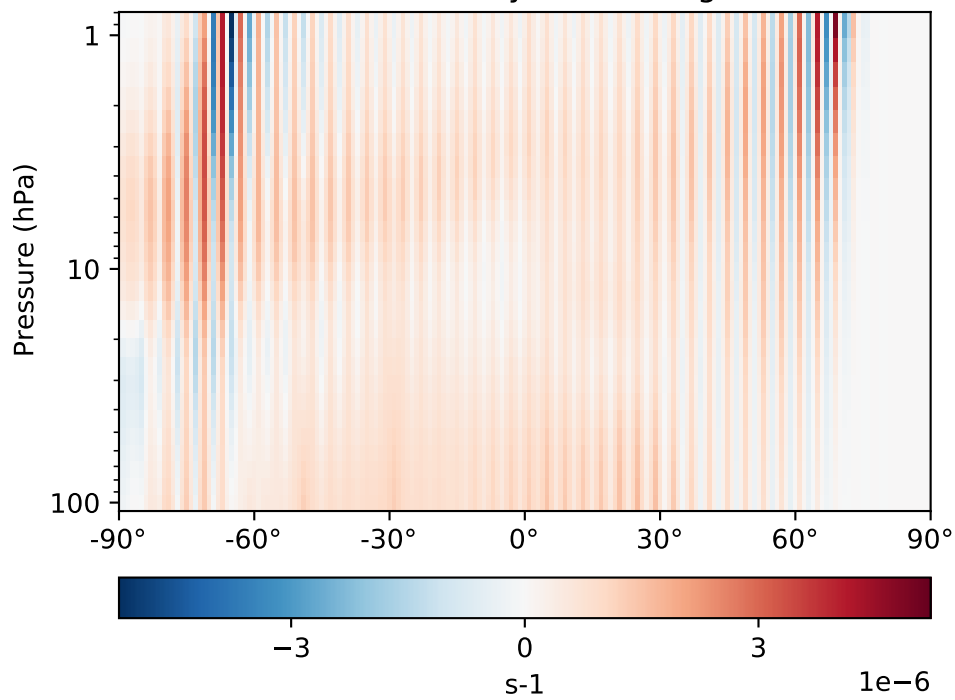
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



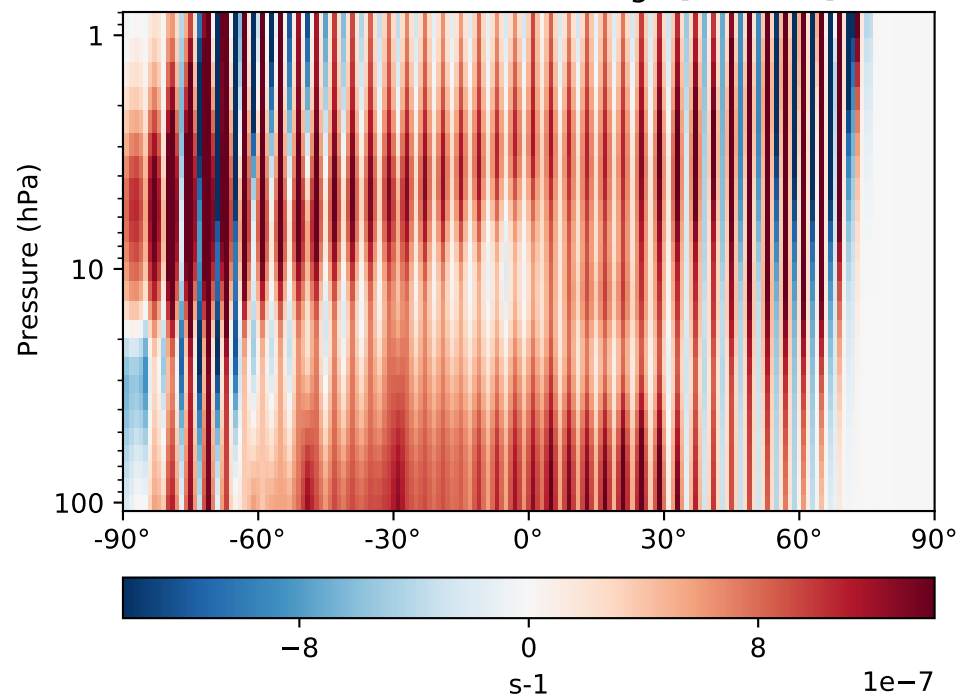
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regridged from c48



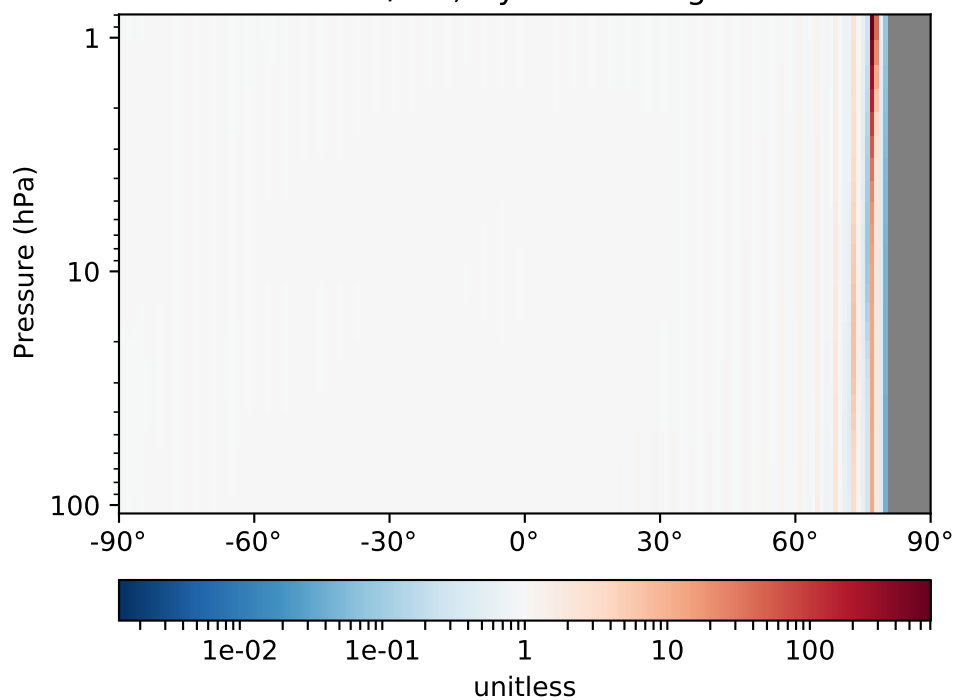
Difference (1x1.25)
Dev - Ref, Dynamic Range



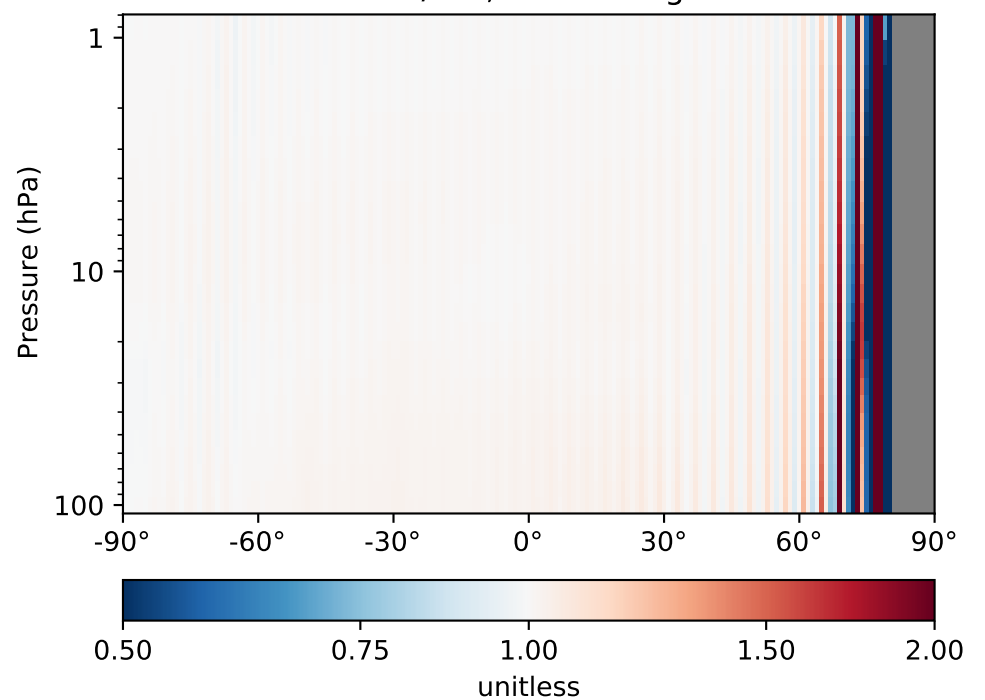
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

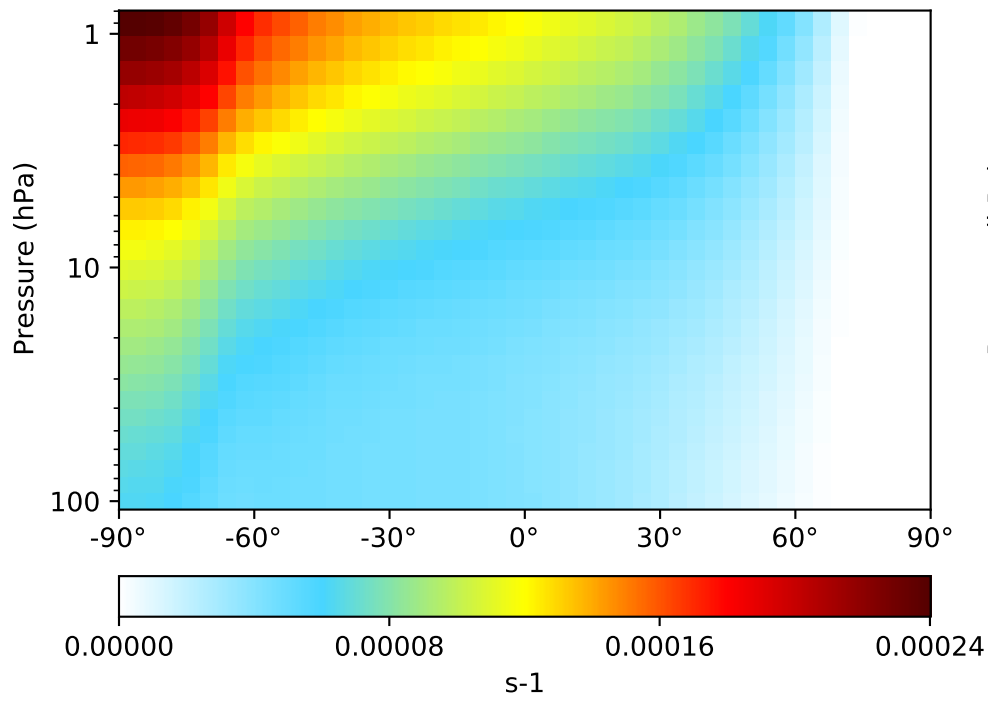


Ratio (1x1.25)
Dev/Ref, Fixed Range

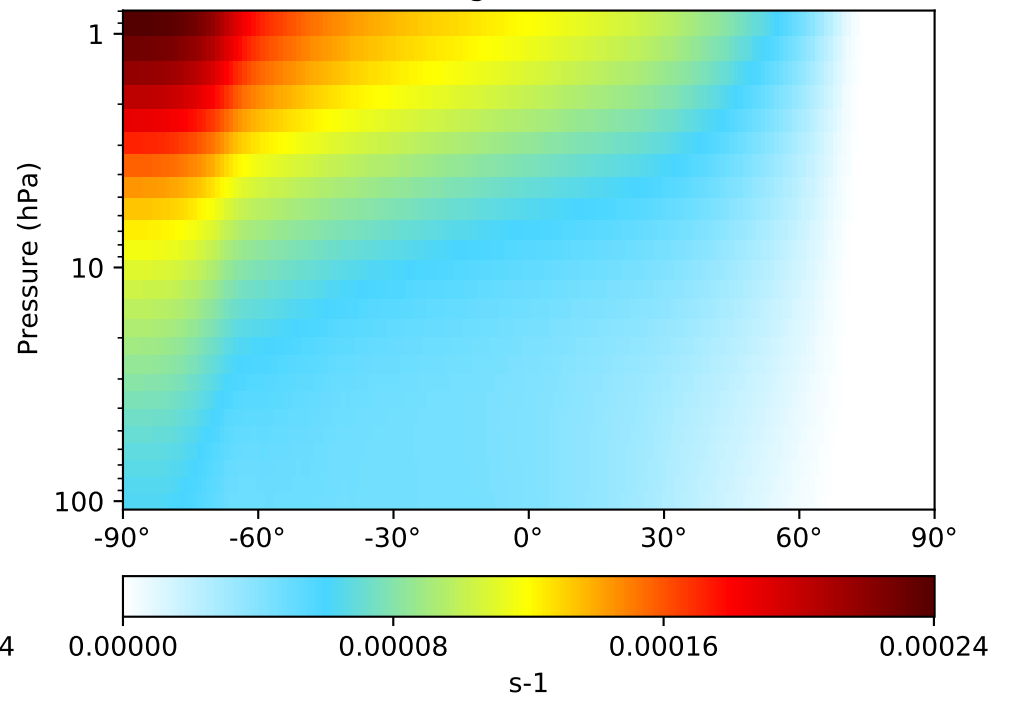


Jval_MVKPC, Zonal Mean (Jan2019)

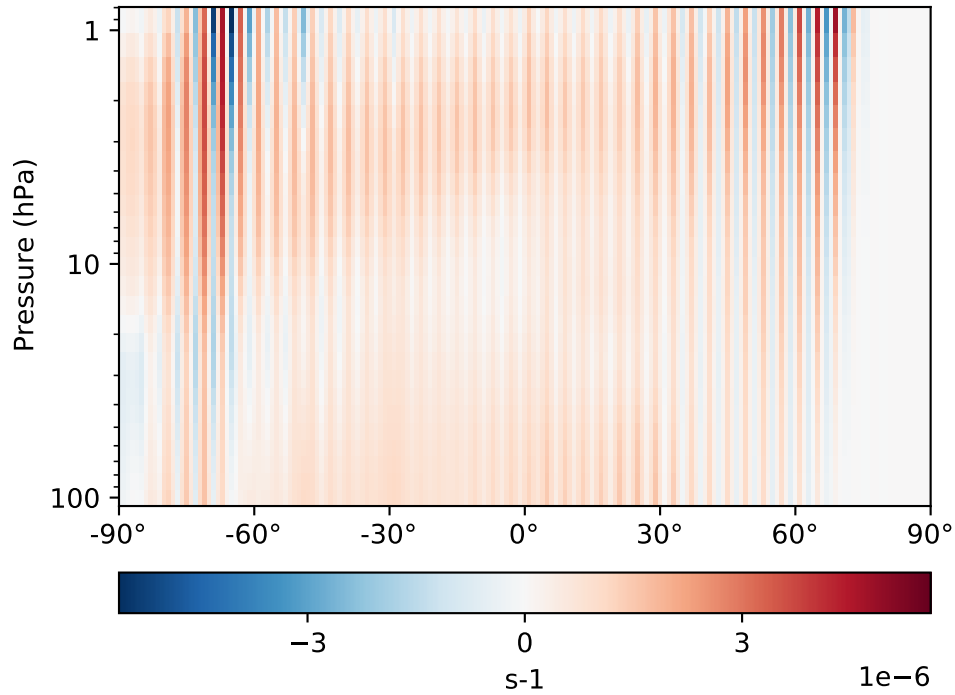
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



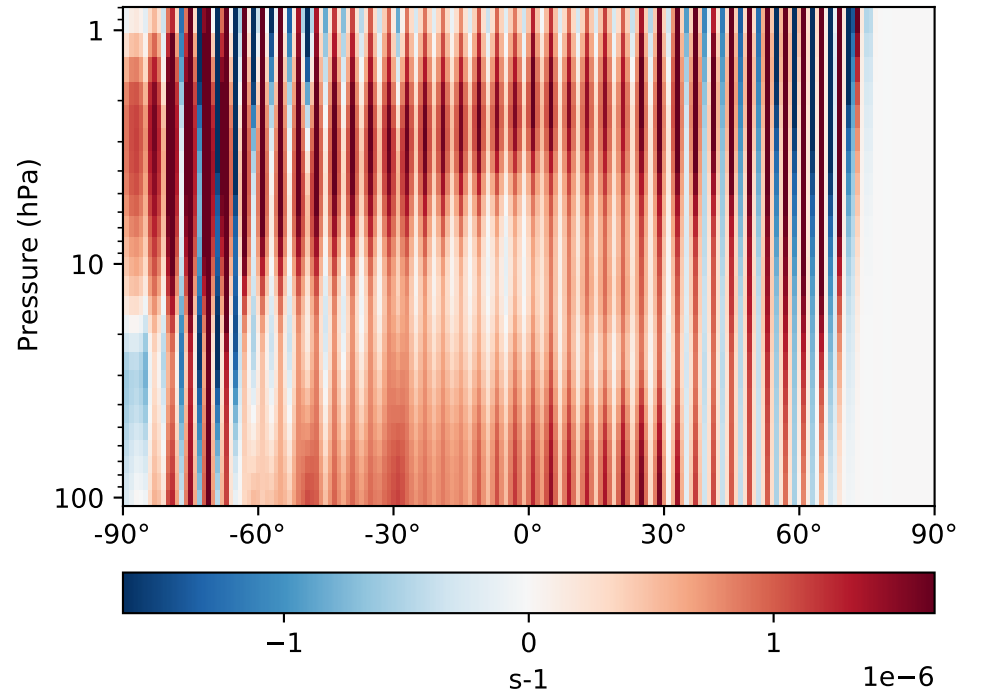
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regridged from c48



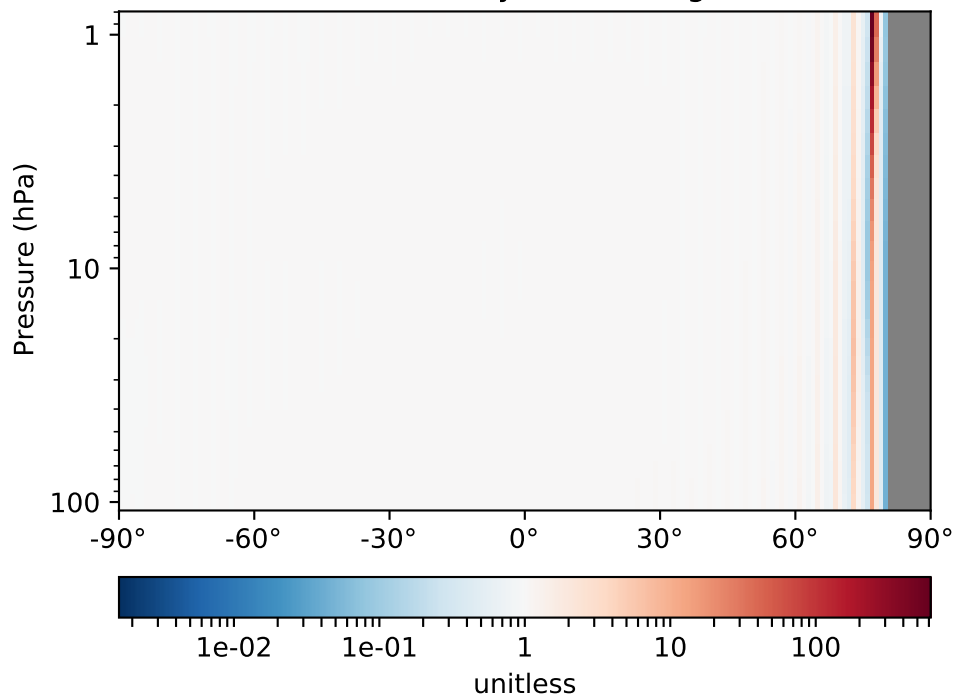
Difference (1x1.25)
Dev - Ref, Dynamic Range



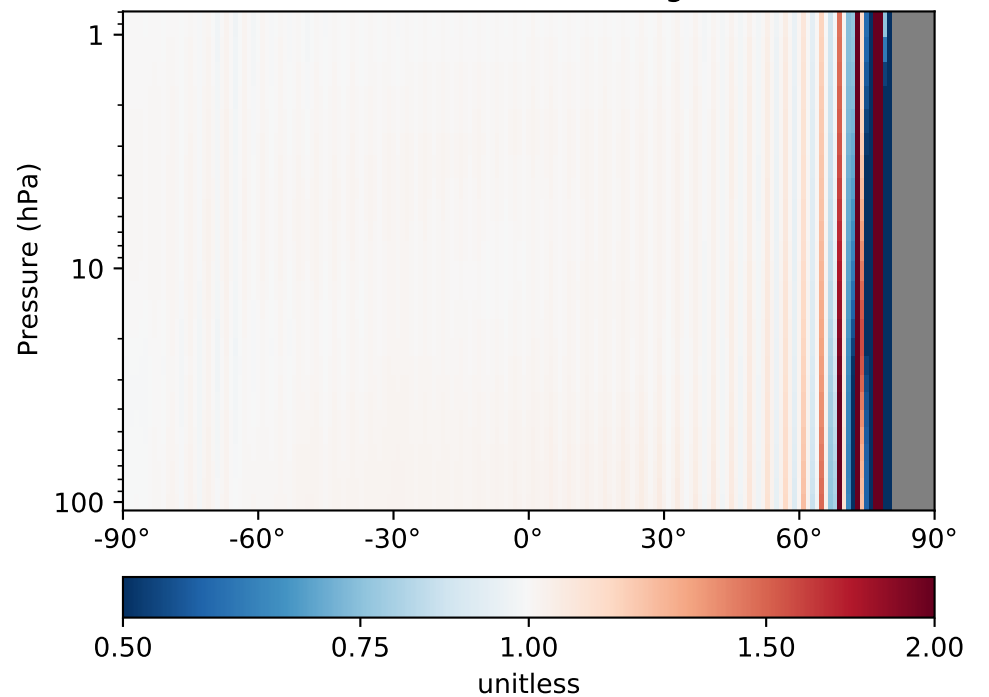
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

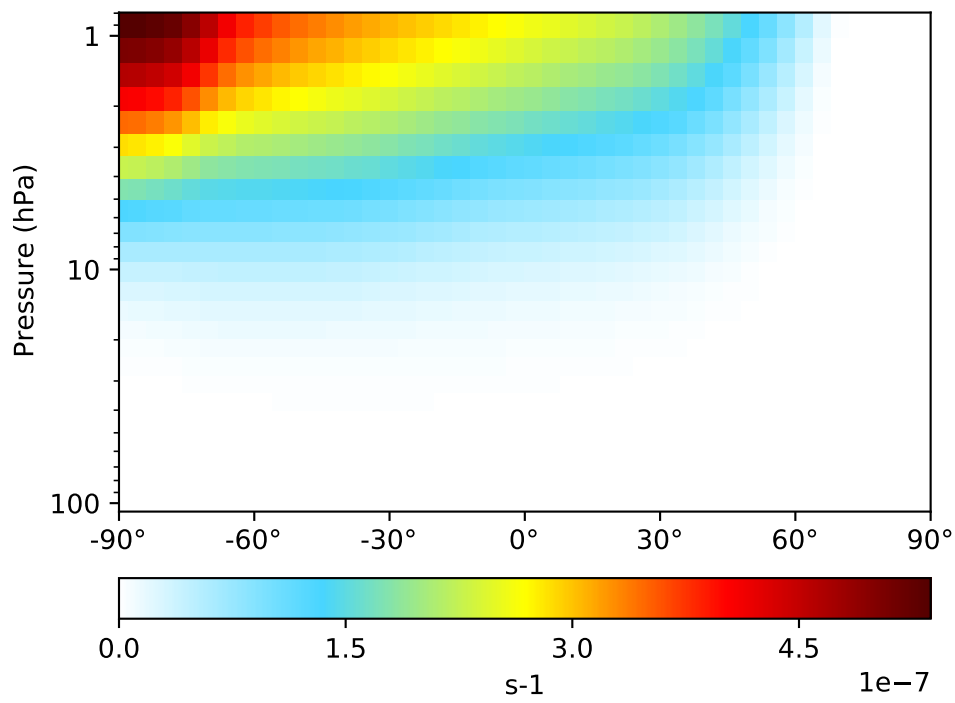


Ratio (1x1.25)
Dev/Ref, Fixed Range

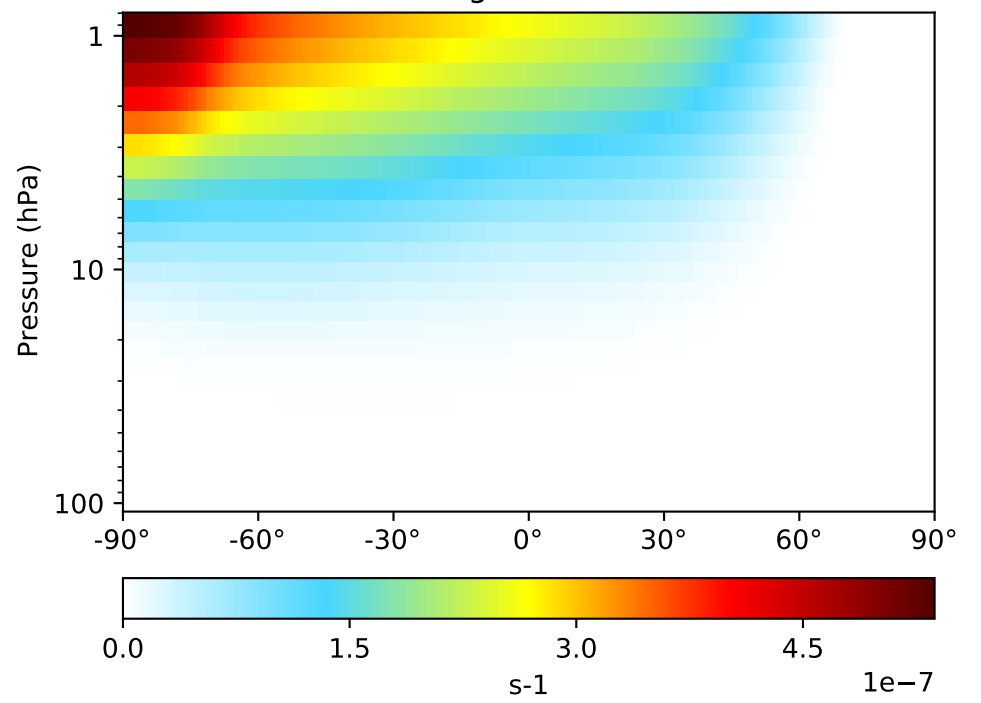


Jval_N2O, Zonal Mean (Jan2019)

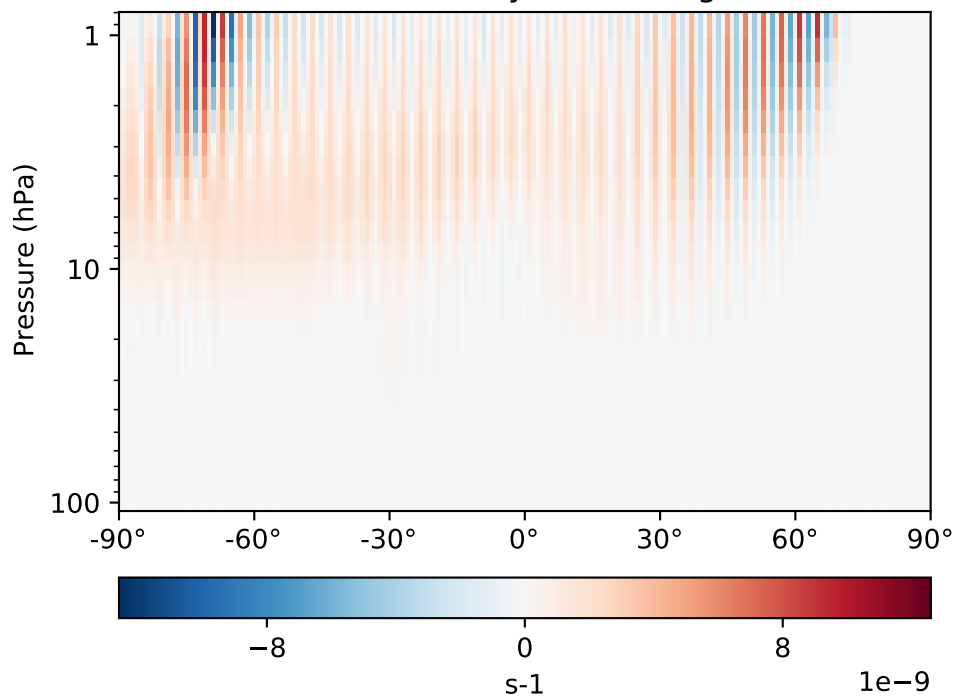
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



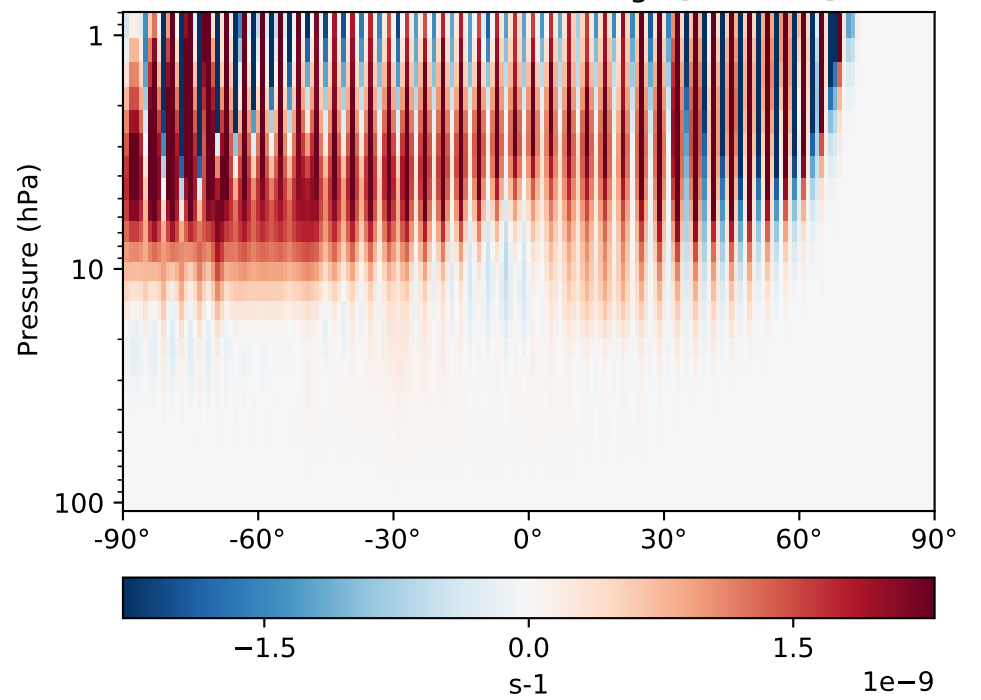
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



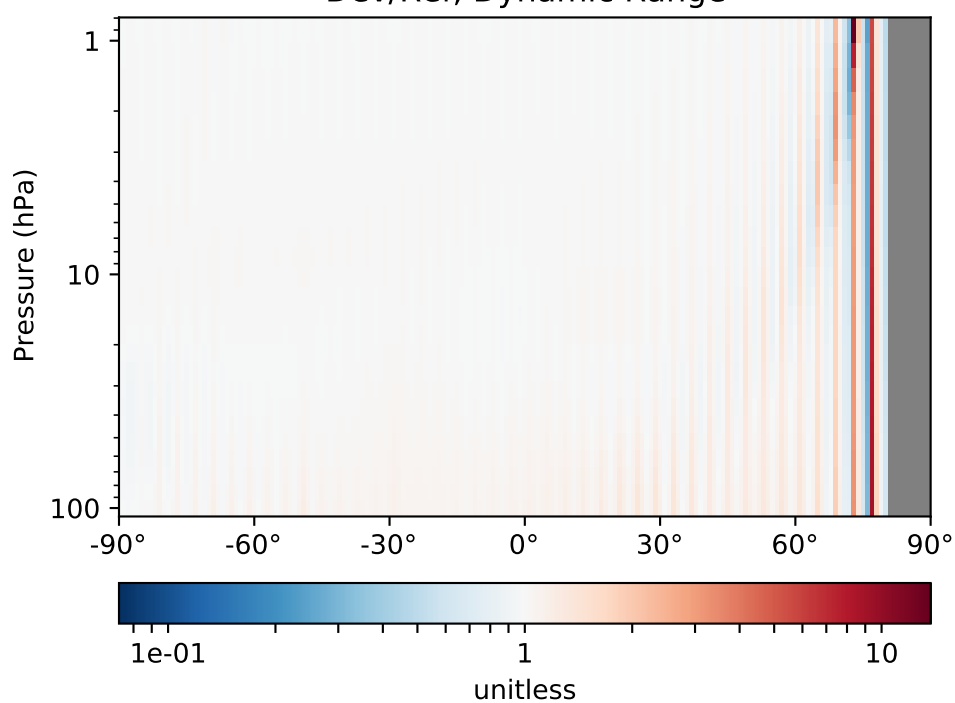
Difference (1x1.25)
Dev - Ref, Dynamic Range



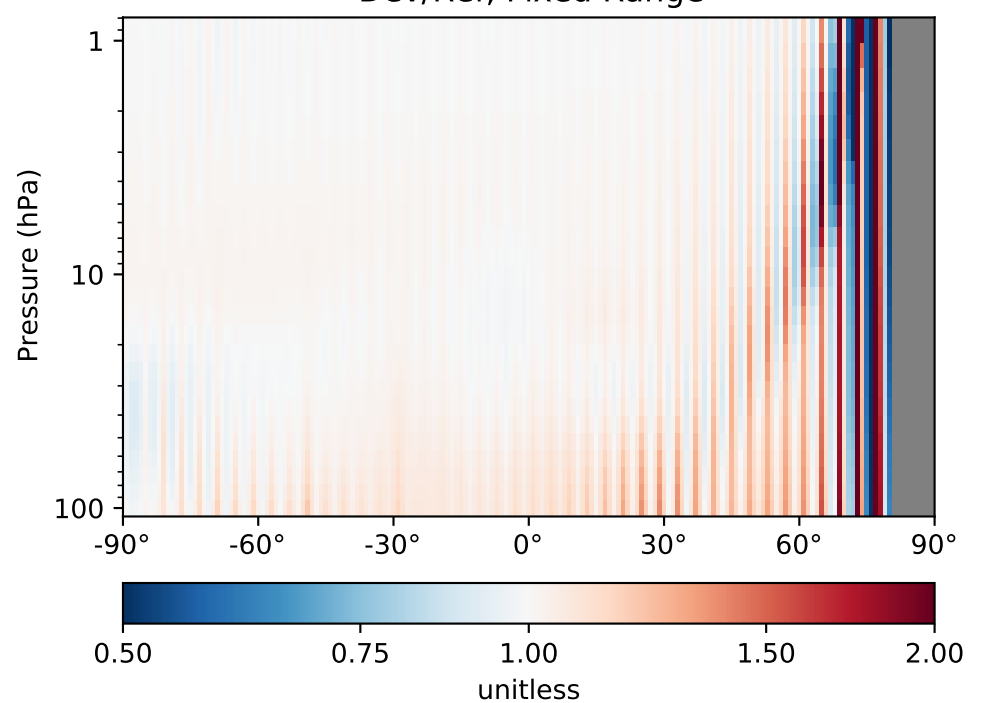
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

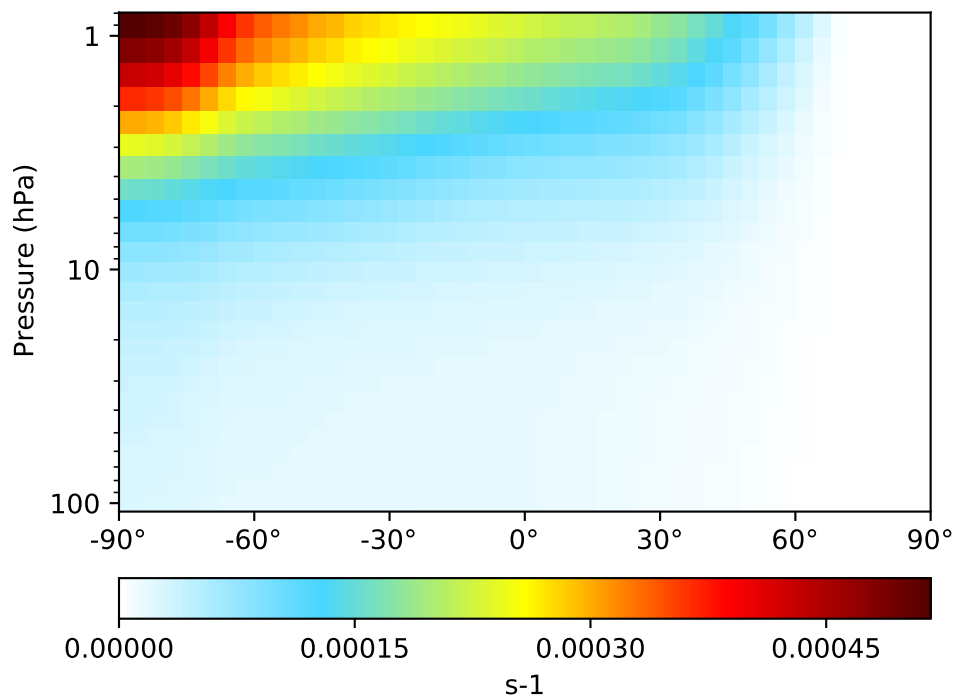


Ratio (1x1.25)
Dev/Ref, Fixed Range

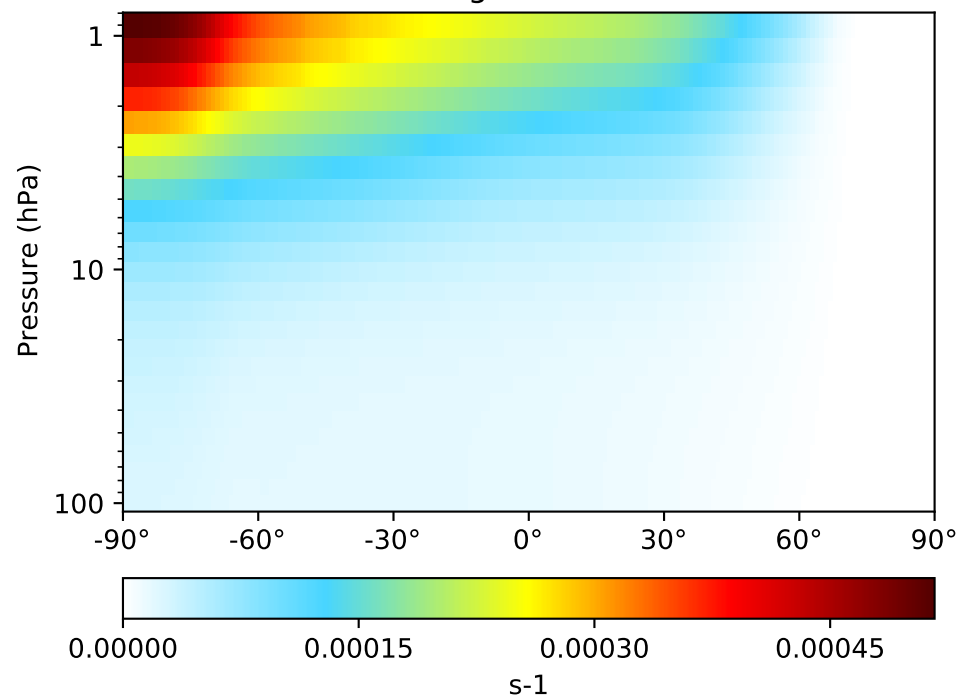


Jval_N2O5, Zonal Mean (Jan2019)

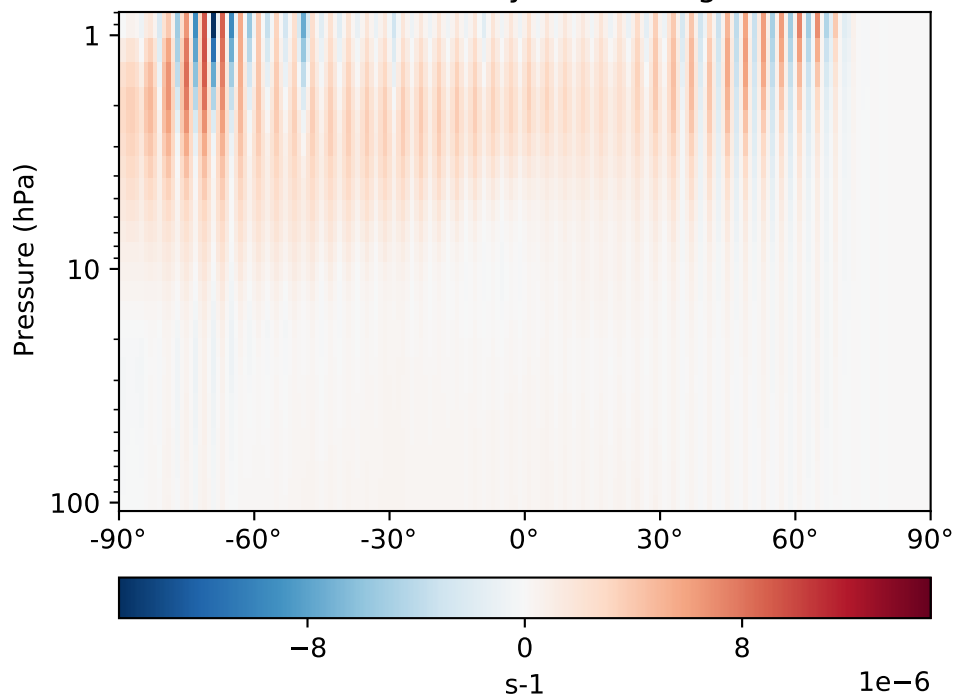
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



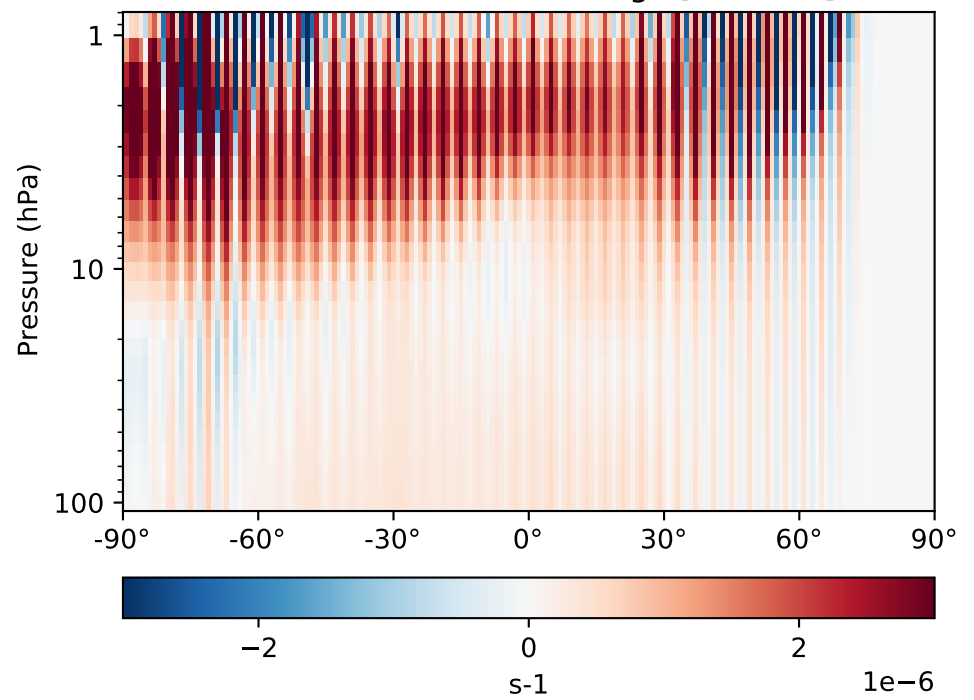
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



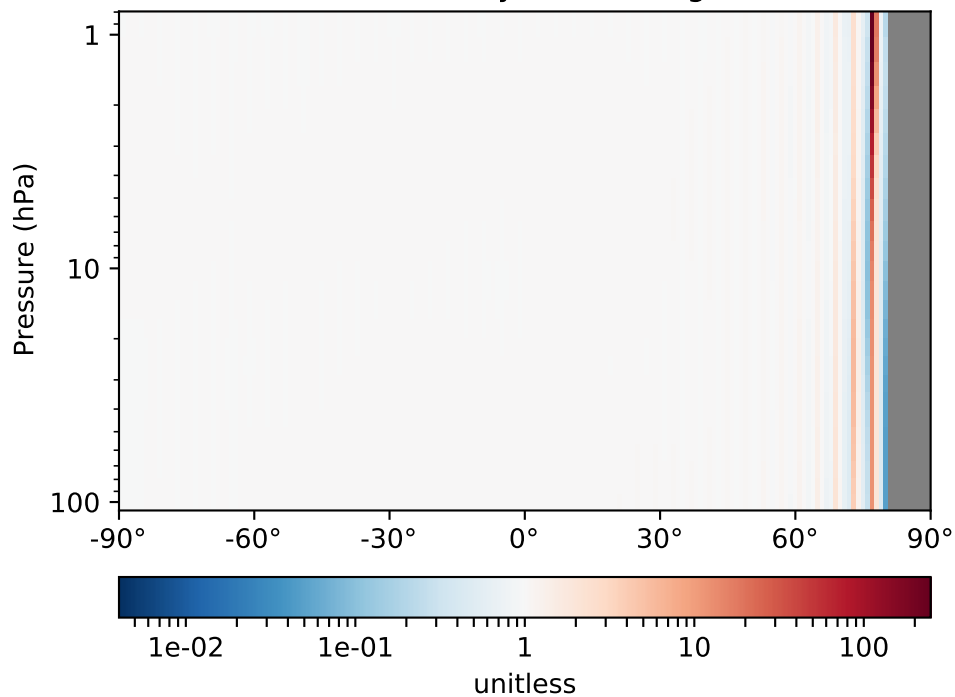
Difference (1x1.25)
Dev - Ref, Dynamic Range



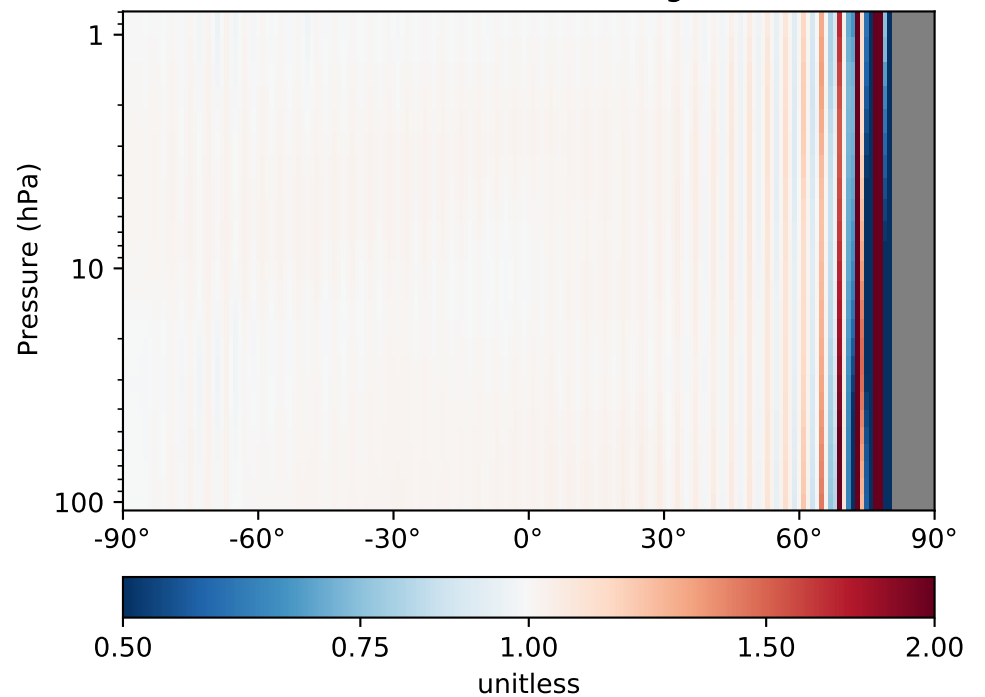
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

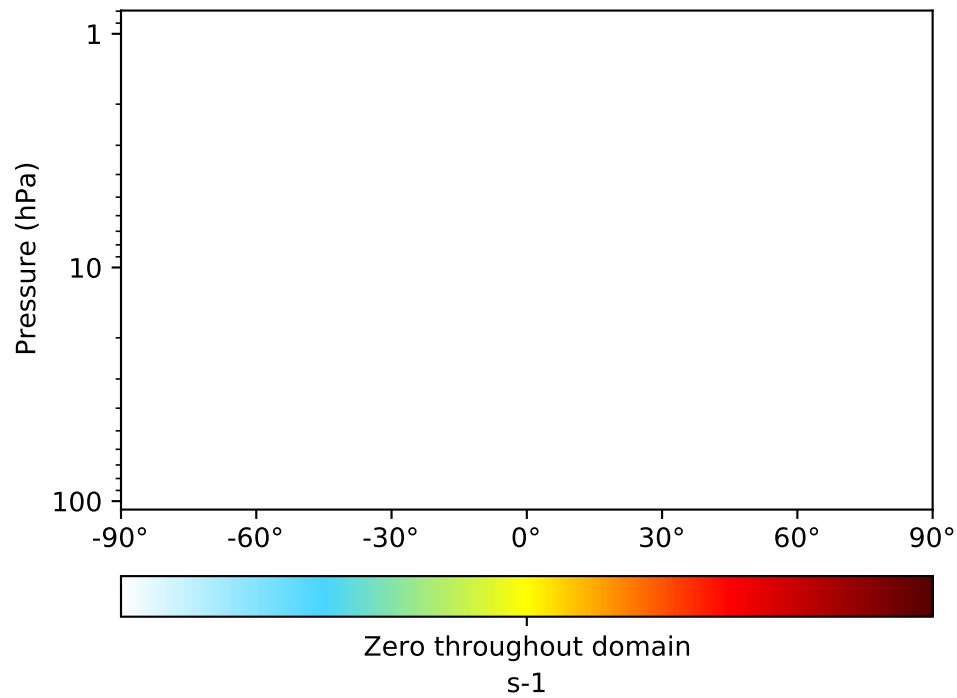


Ratio (1x1.25)
Dev/Ref, Fixed Range

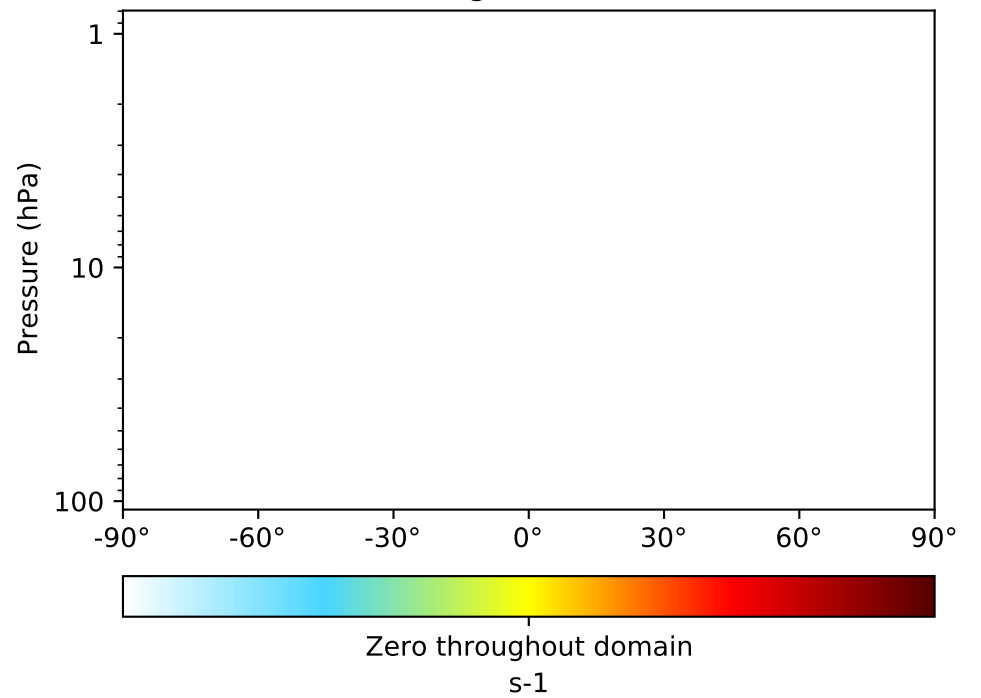


Jval_NIT, Zonal Mean (Jan2019)

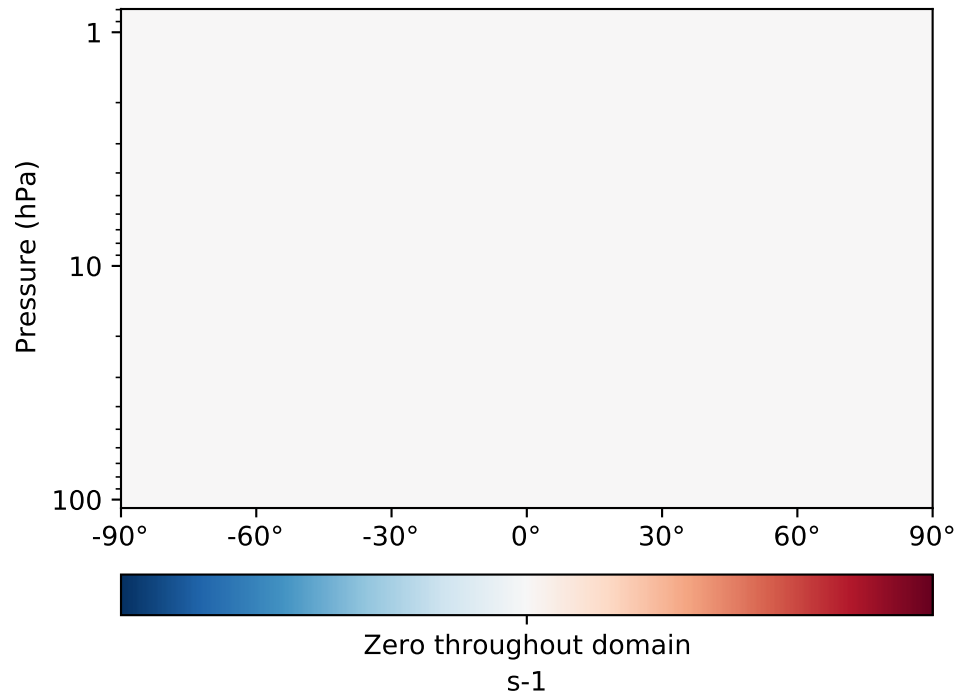
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



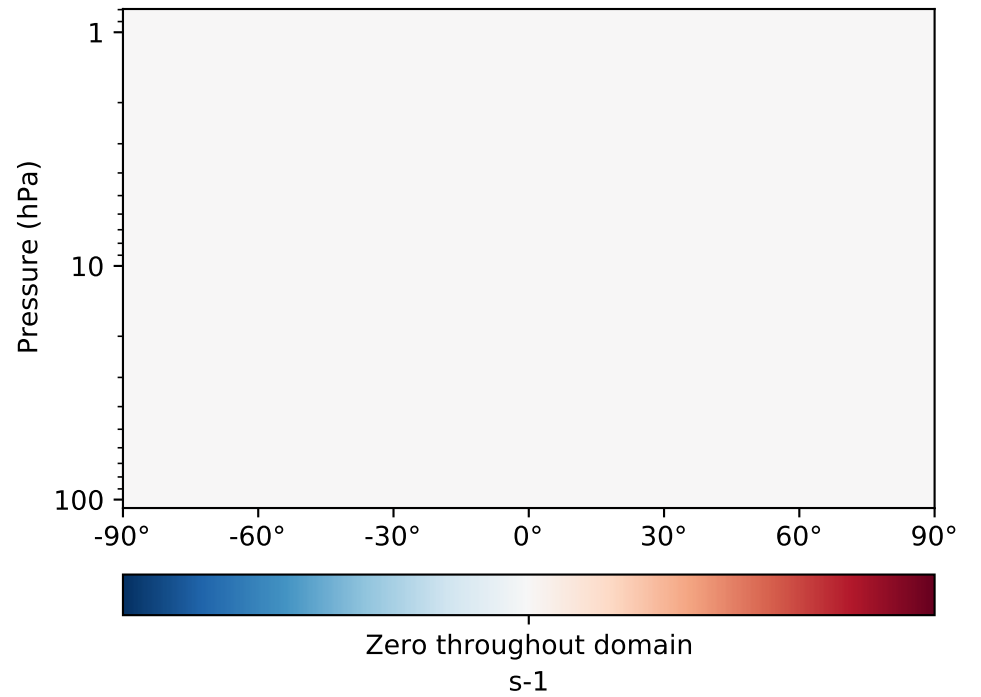
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regridded from c48



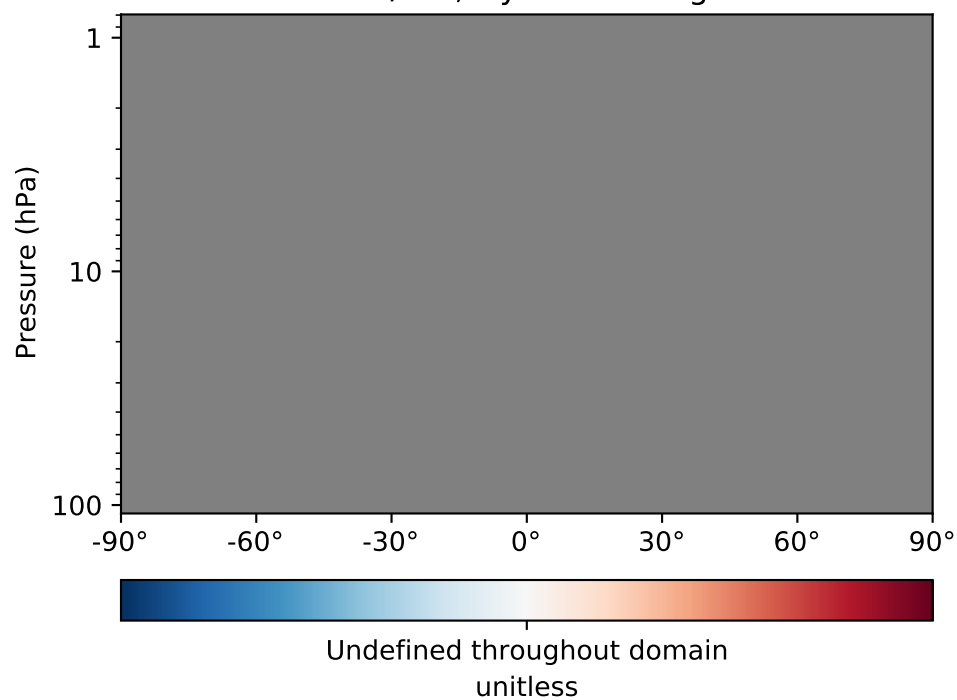
Difference (1x1.25)
Dev - Ref, Dynamic Range



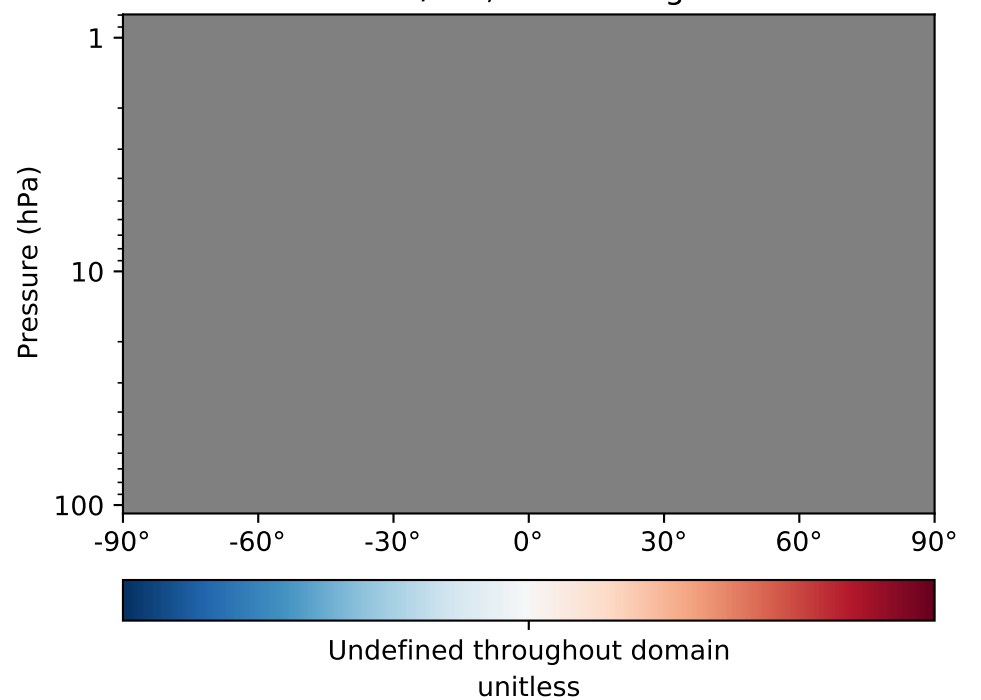
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

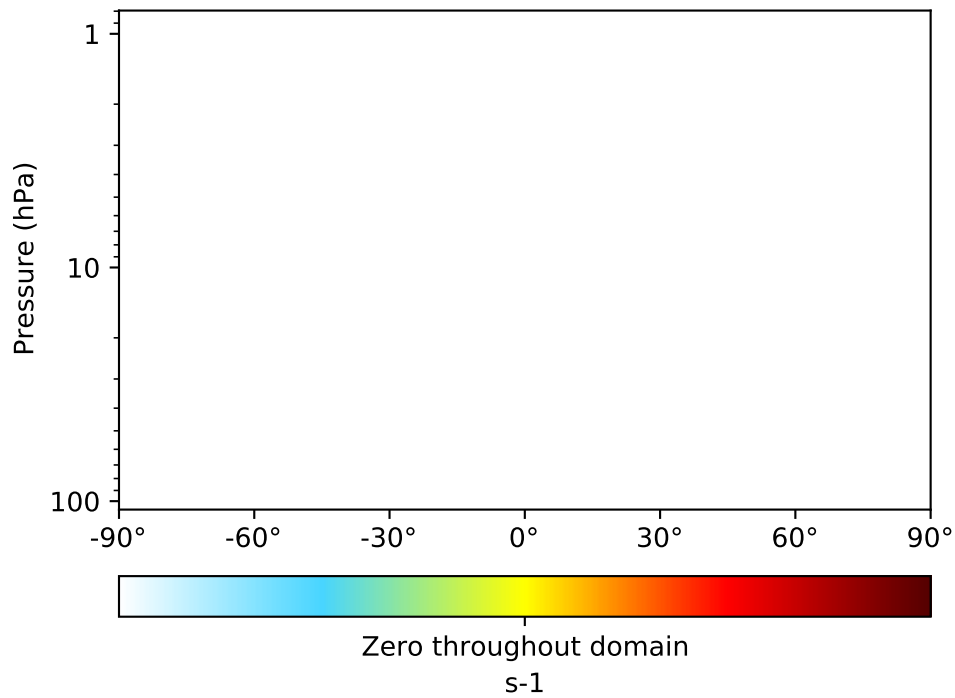


Ratio (1x1.25)
Dev/Ref, Fixed Range

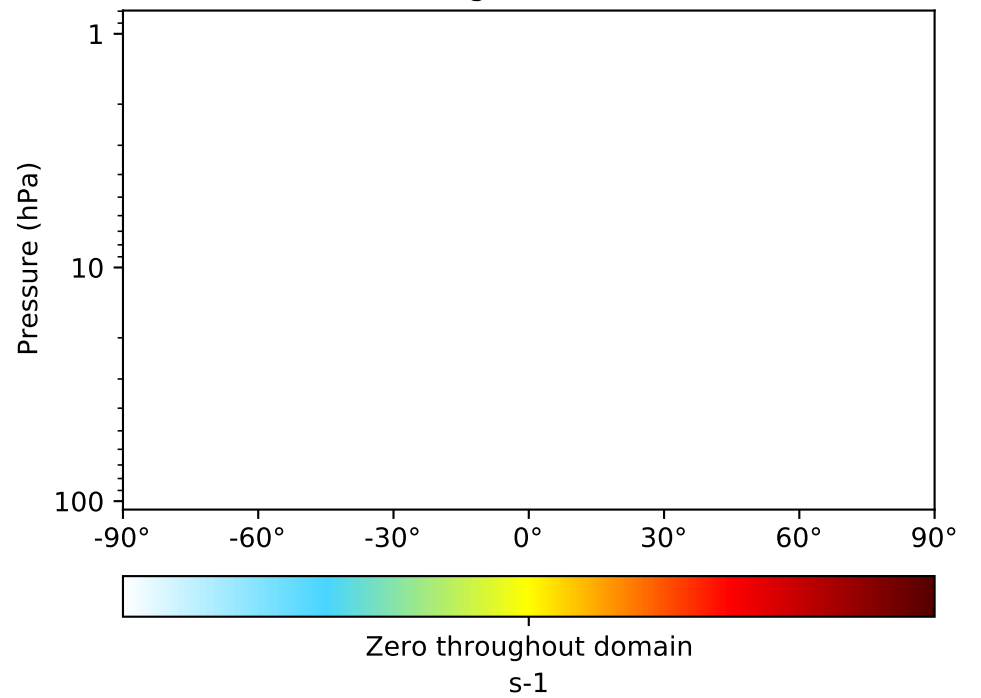


Jval_NITs, Zonal Mean (Jan2019)

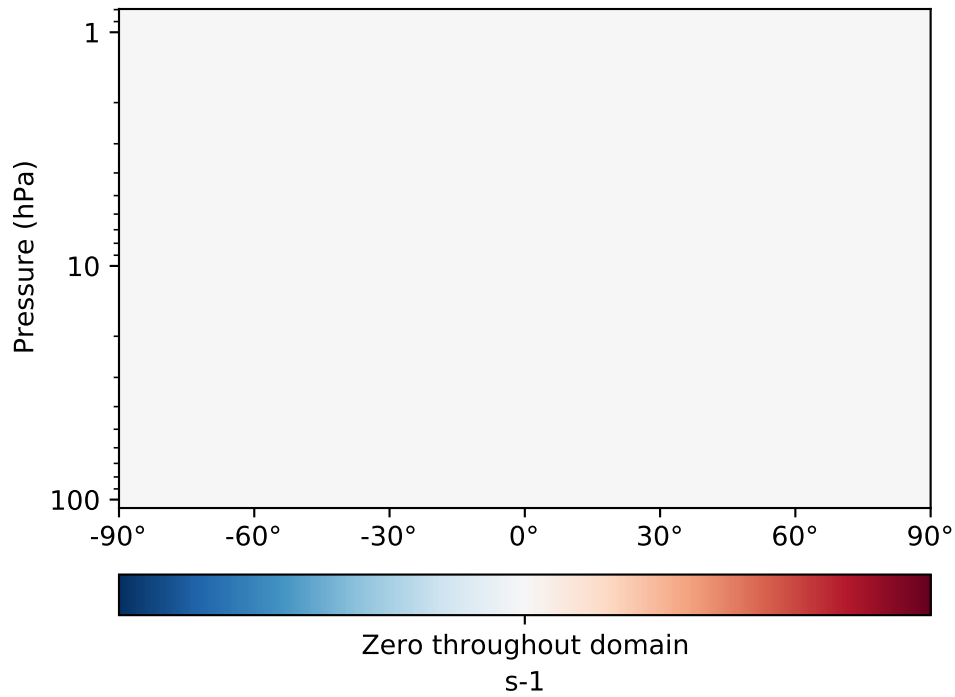
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



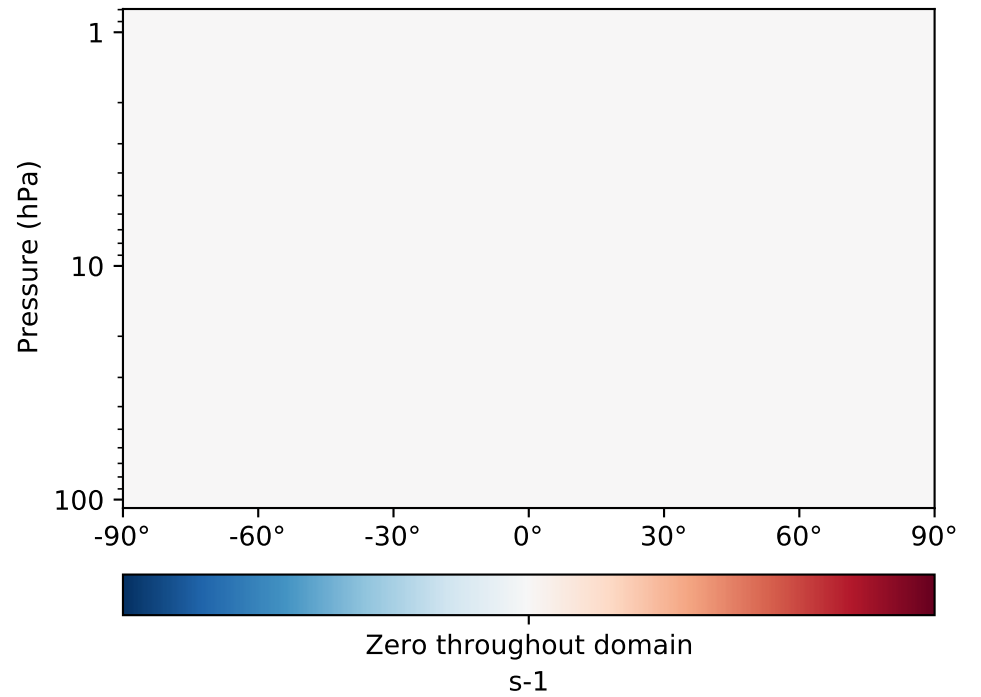
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



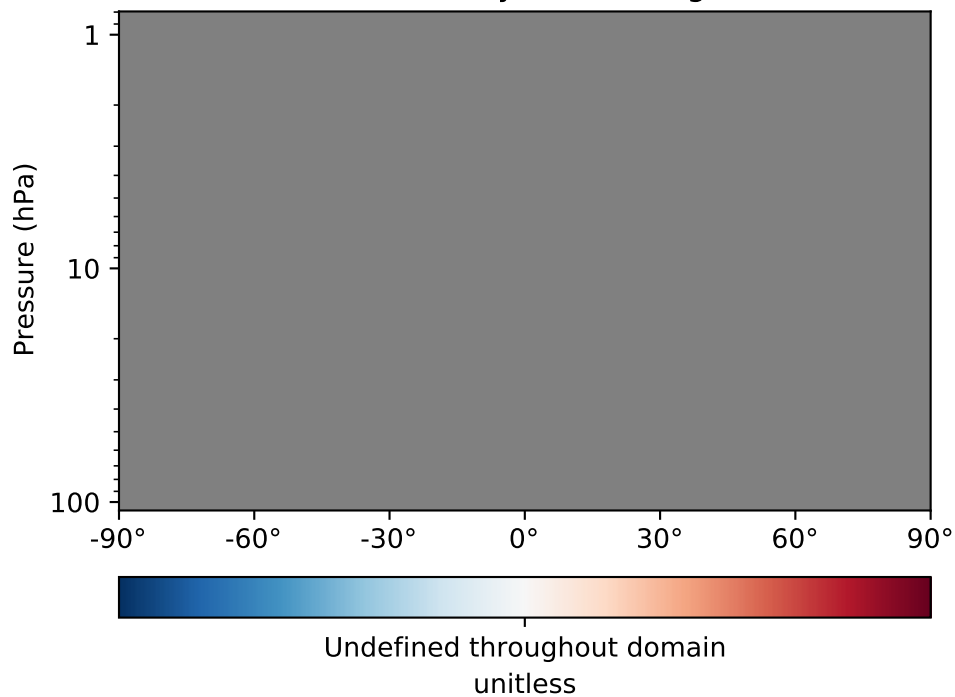
Difference (1x1.25)
Dev - Ref, Dynamic Range



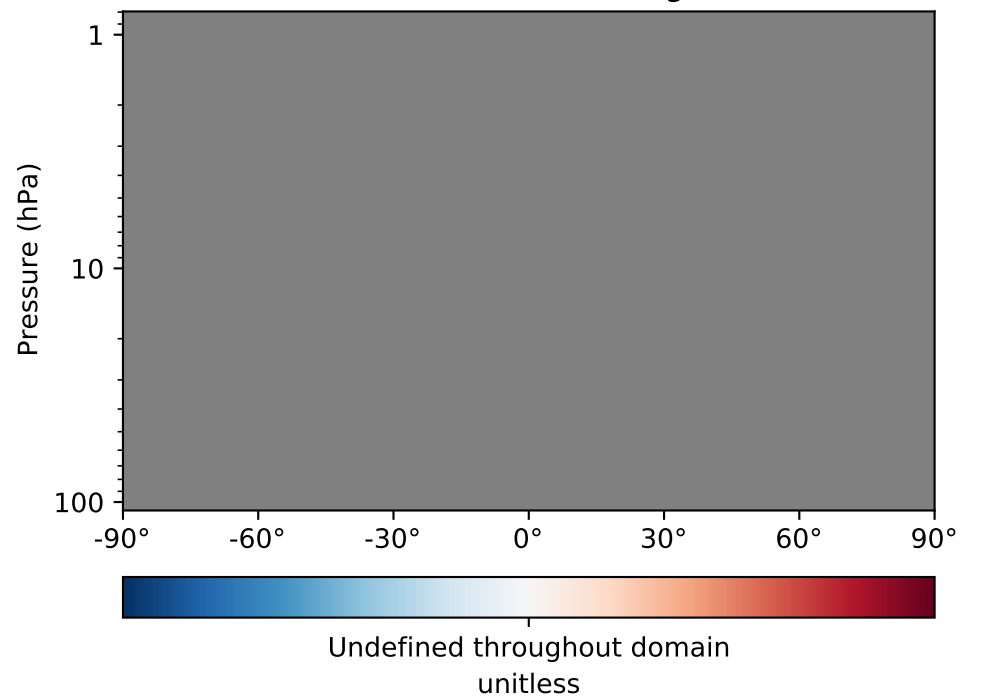
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

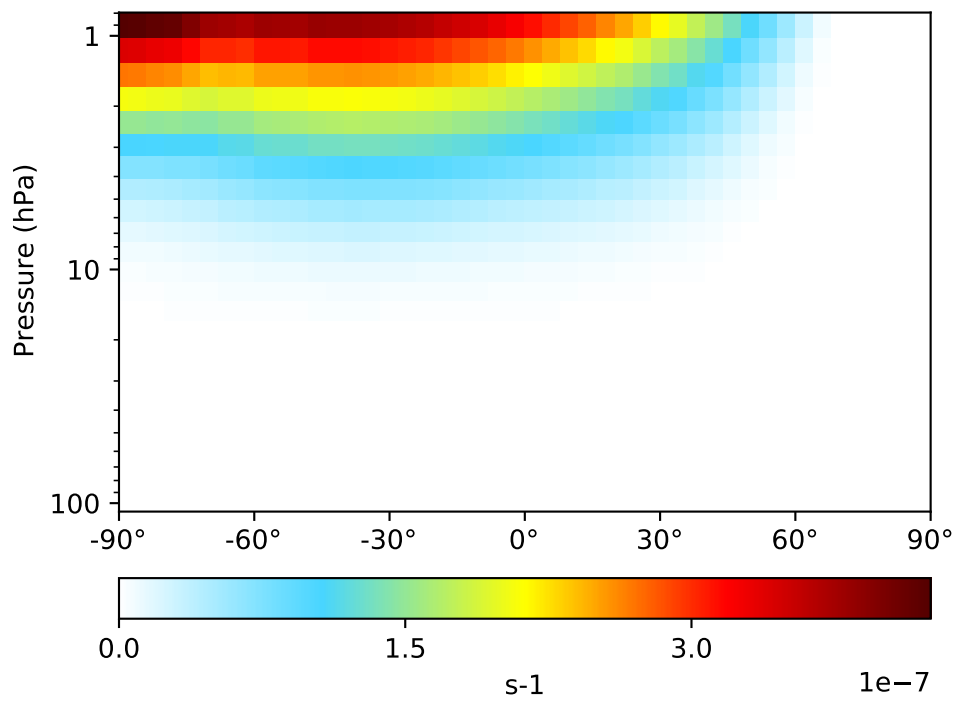


Ratio (1x1.25)
Dev/Ref, Fixed Range

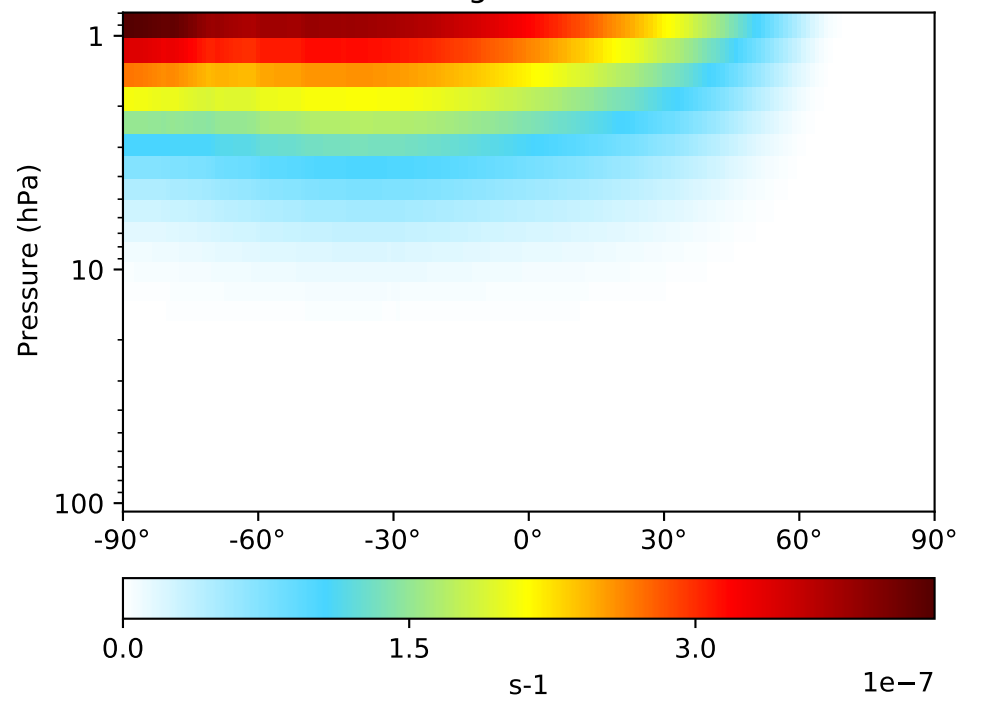


Jval_NO, Zonal Mean (Jan2019)

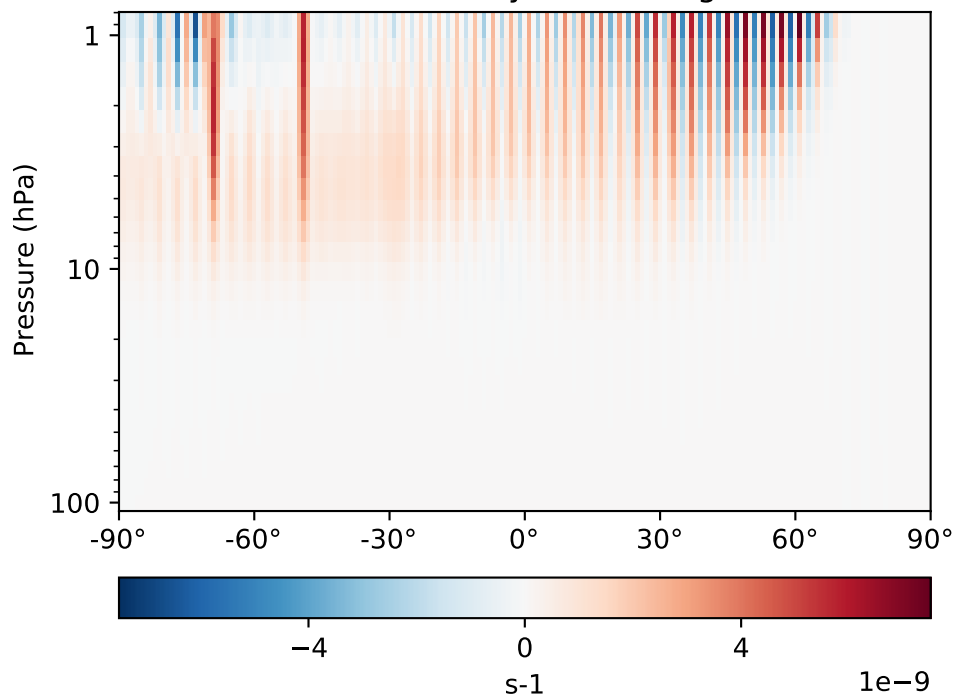
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



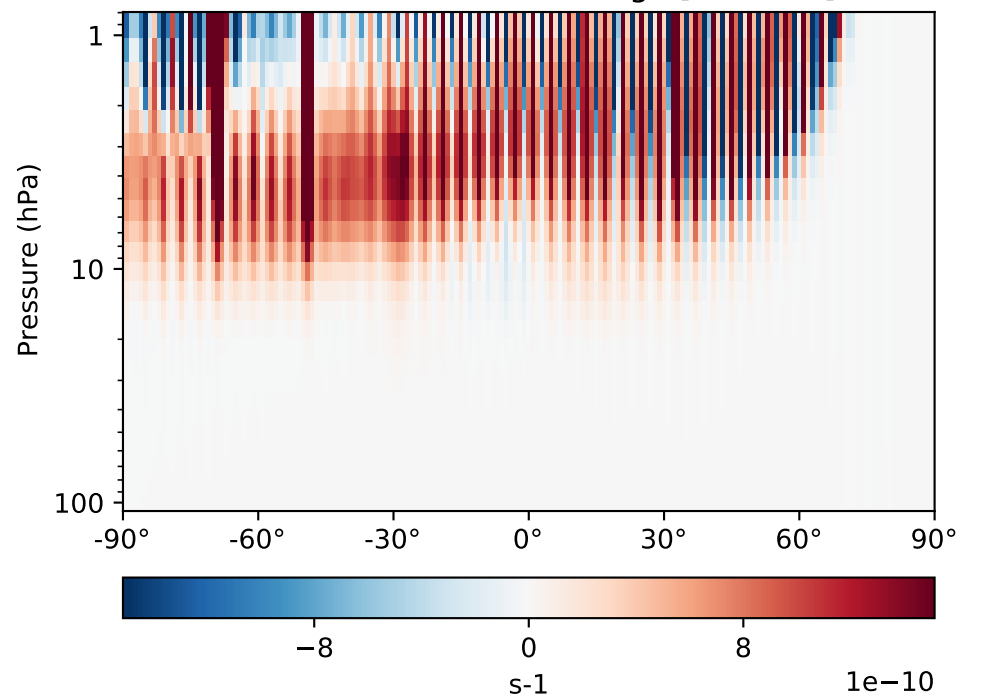
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regridged from c48



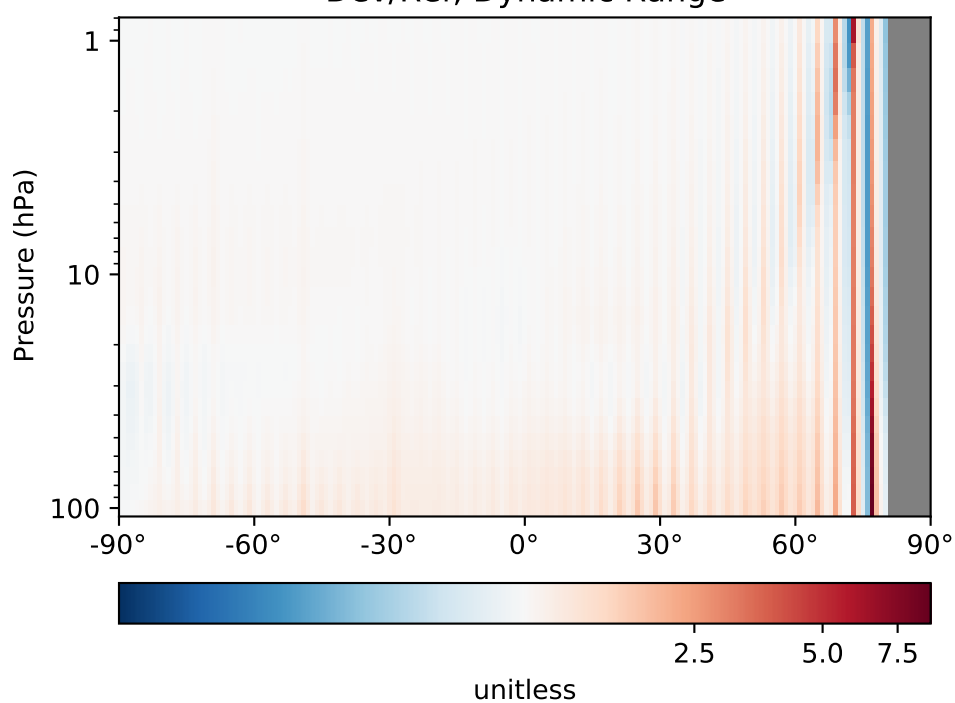
Difference (1x1.25)
Dev - Ref, Dynamic Range



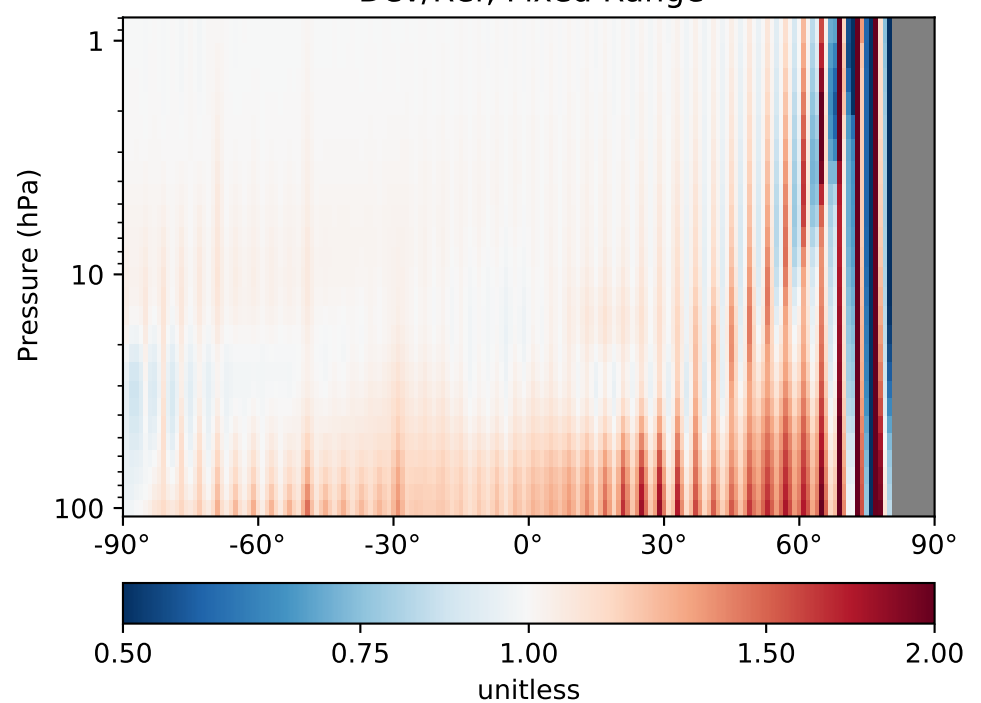
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

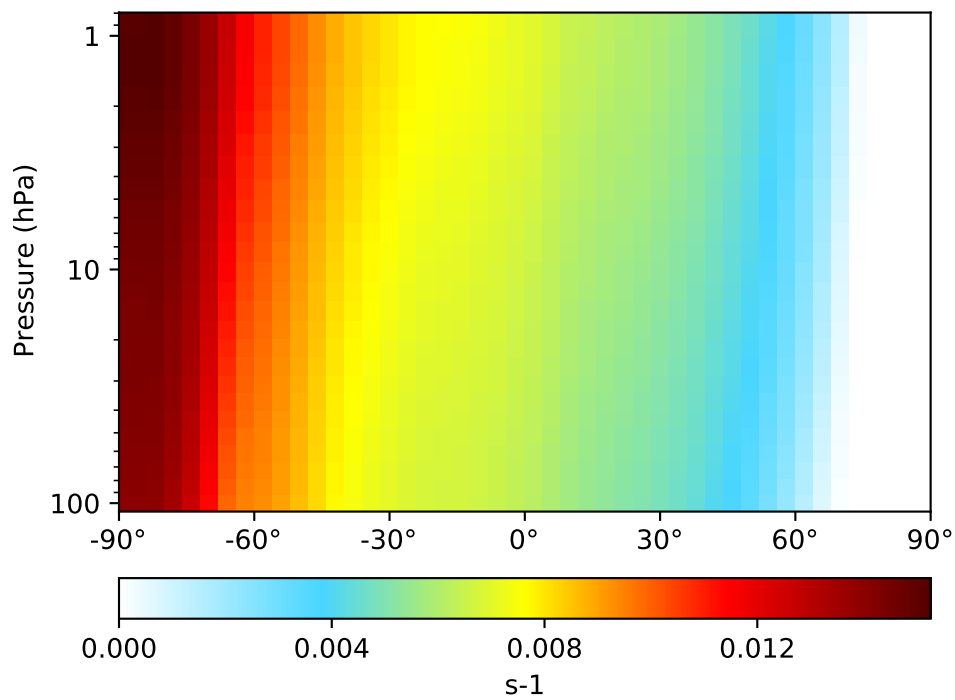


Ratio (1x1.25)
Dev/Ref, Fixed Range

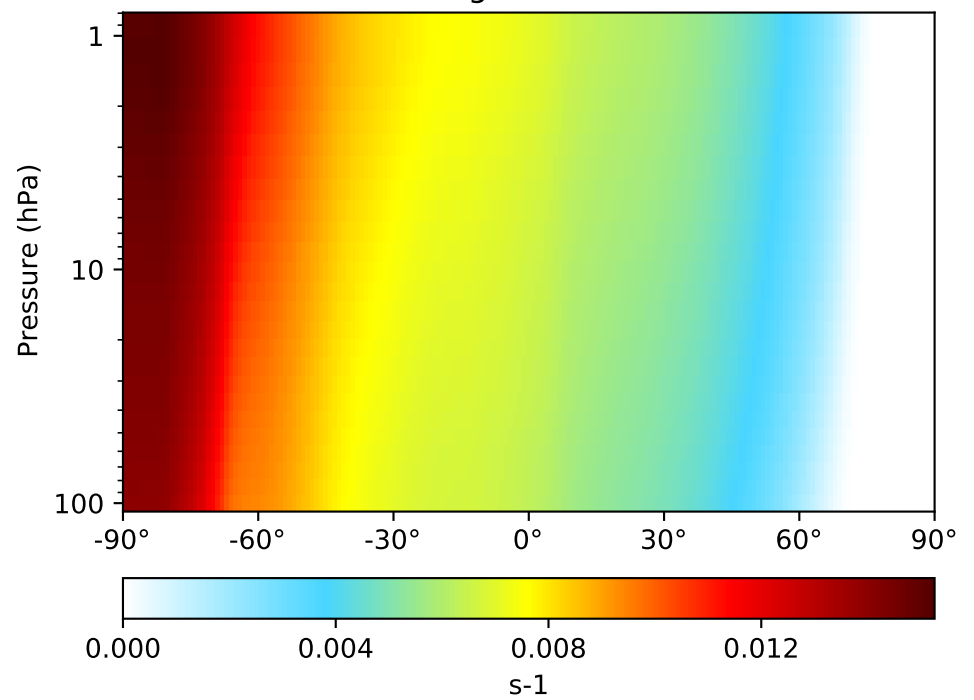


Jval_NO2, Zonal Mean (Jan2019)

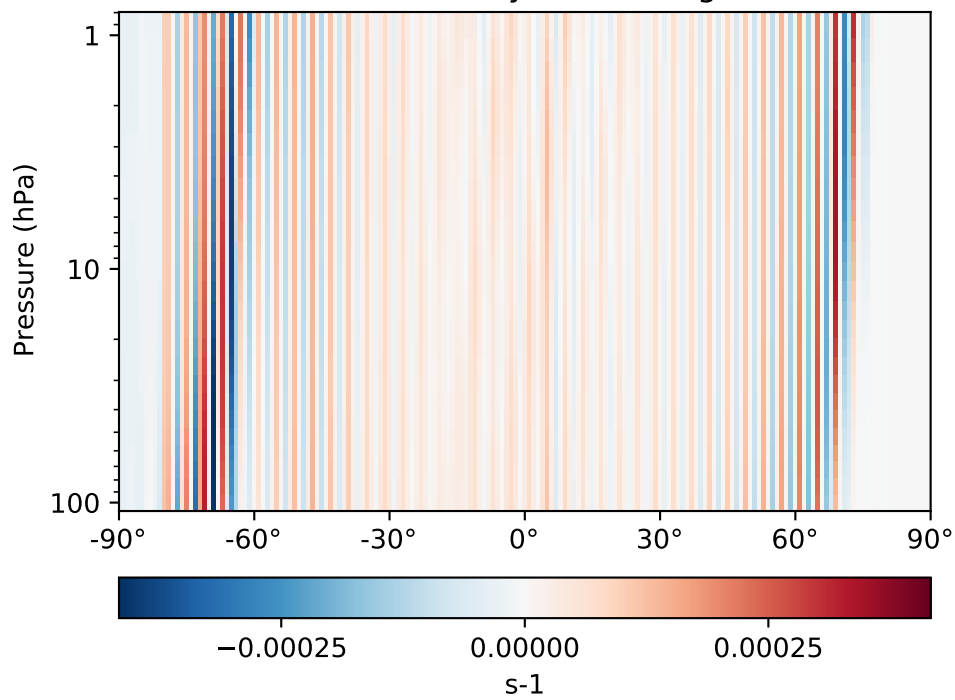
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



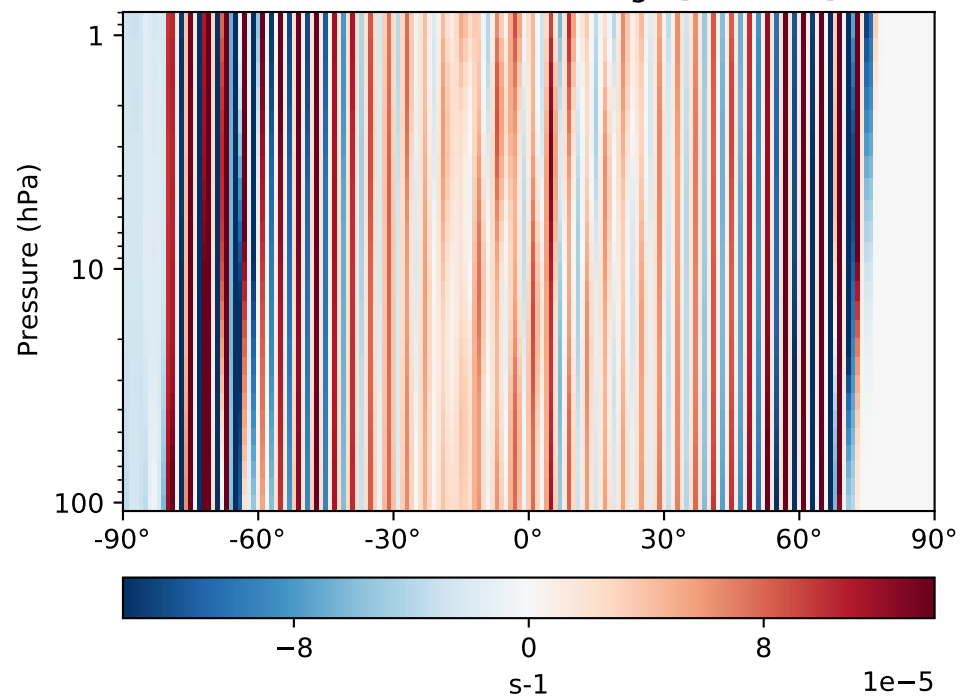
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regridged from c48



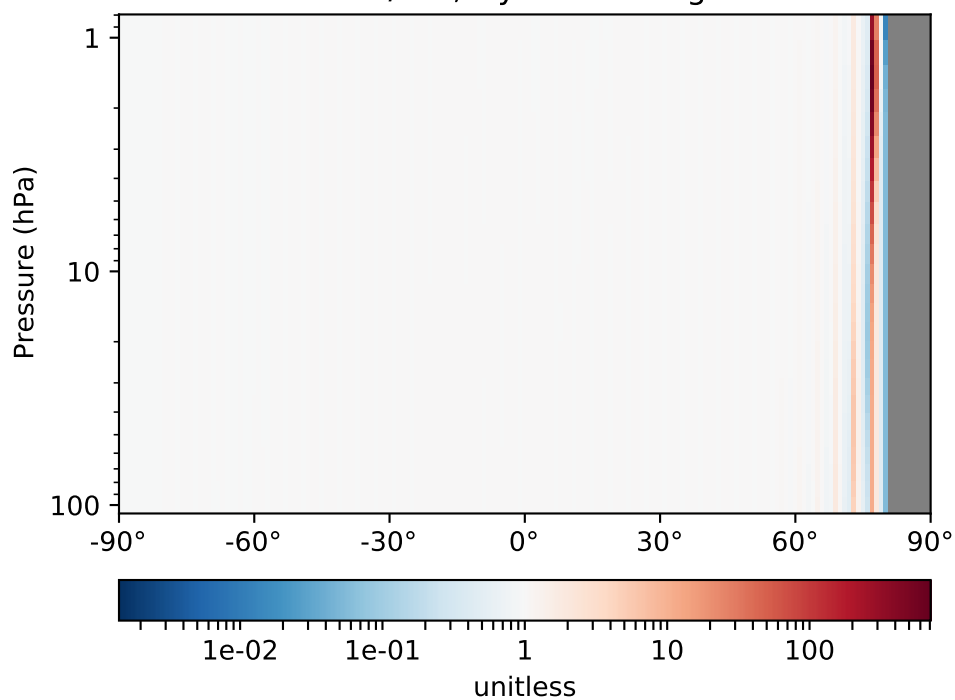
Difference (1x1.25)
Dev - Ref, Dynamic Range



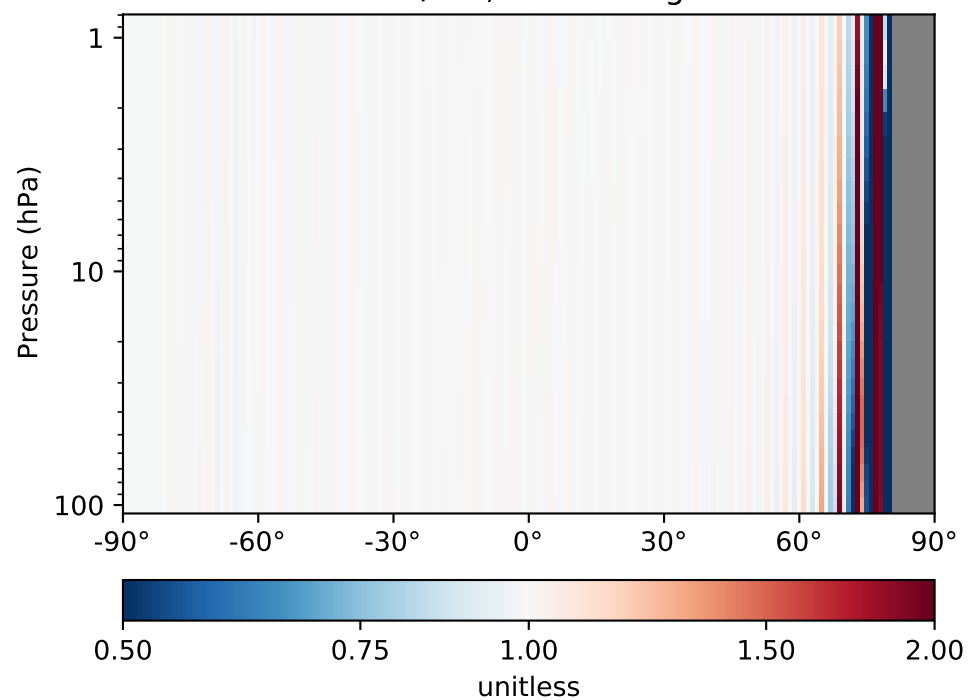
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

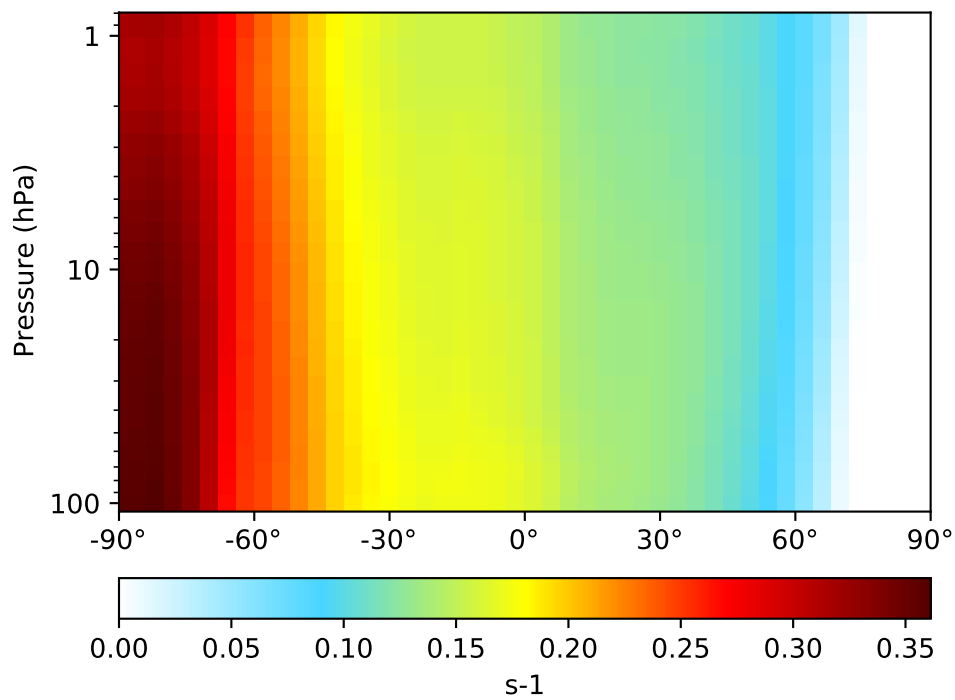


Ratio (1x1.25)
Dev/Ref, Fixed Range

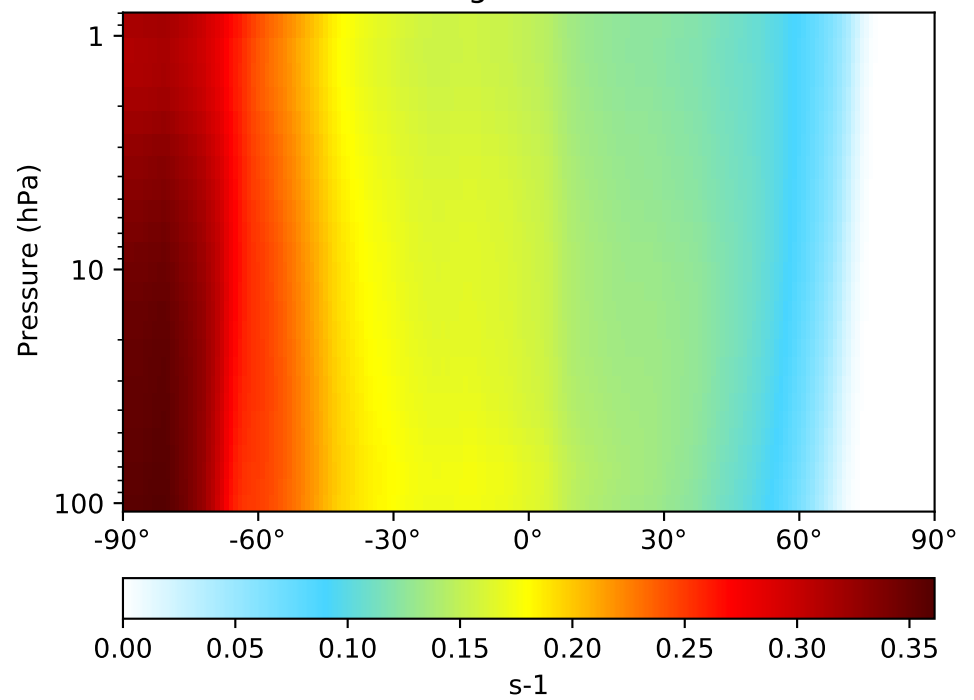


Jval_NO3, Zonal Mean (Jan2019)

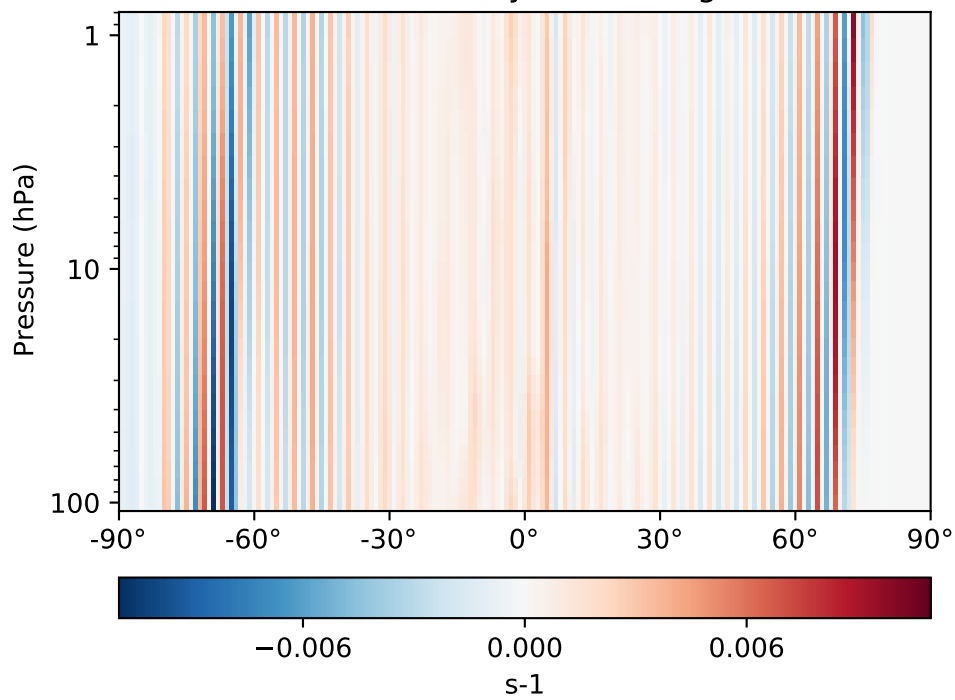
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



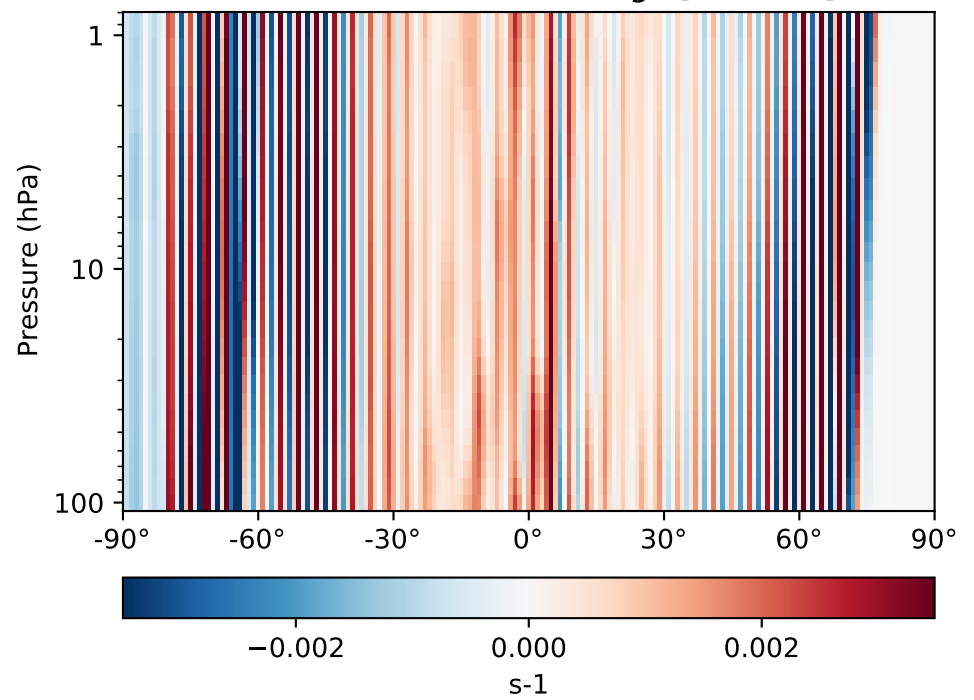
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regridged from c48



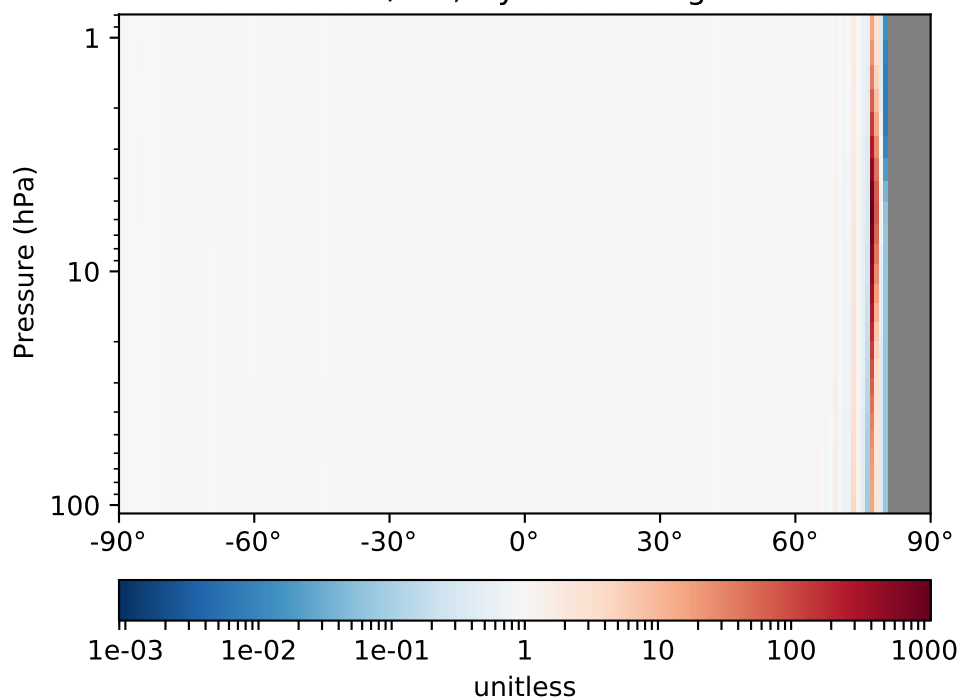
Difference (1x1.25)
Dev - Ref, Dynamic Range



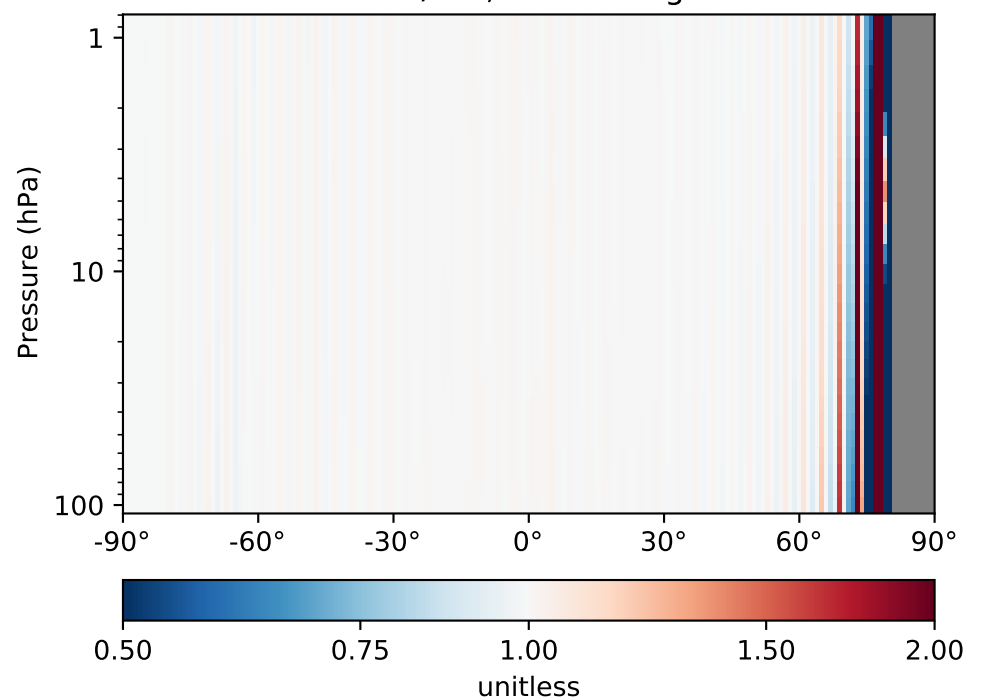
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

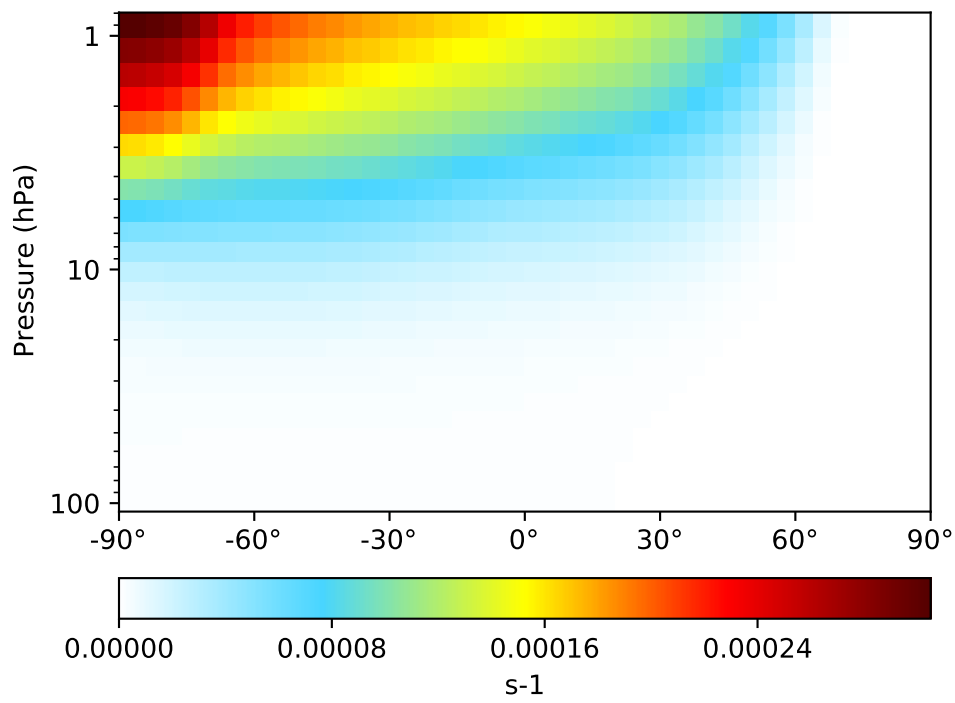


Ratio (1x1.25)
Dev/Ref, Fixed Range

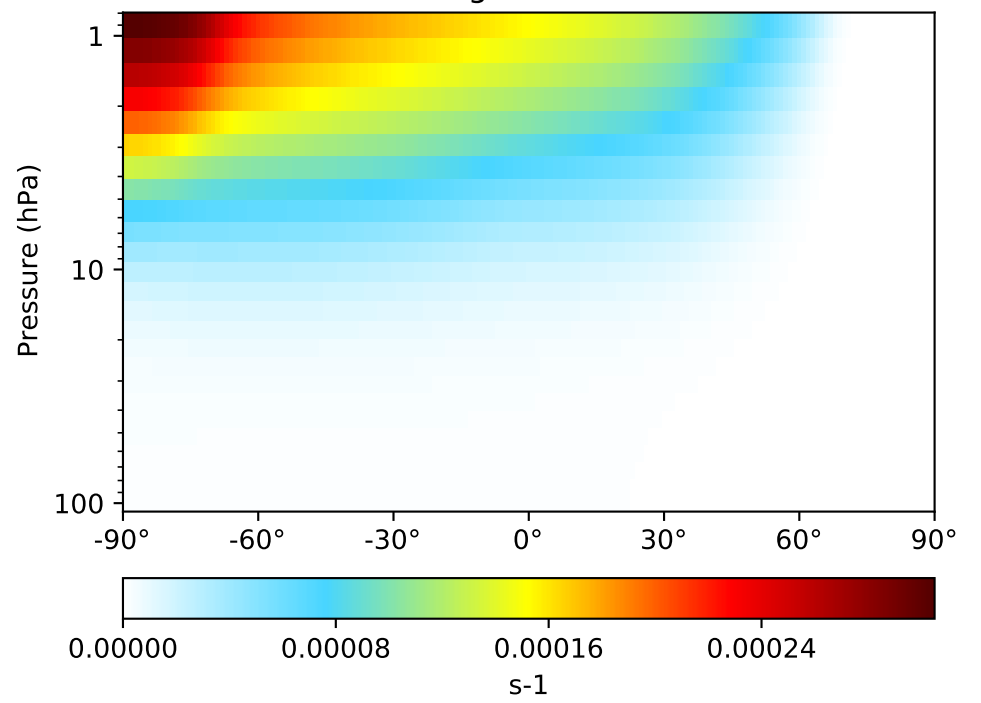


Jval_NPRNO3, Zonal Mean (Jan2019)

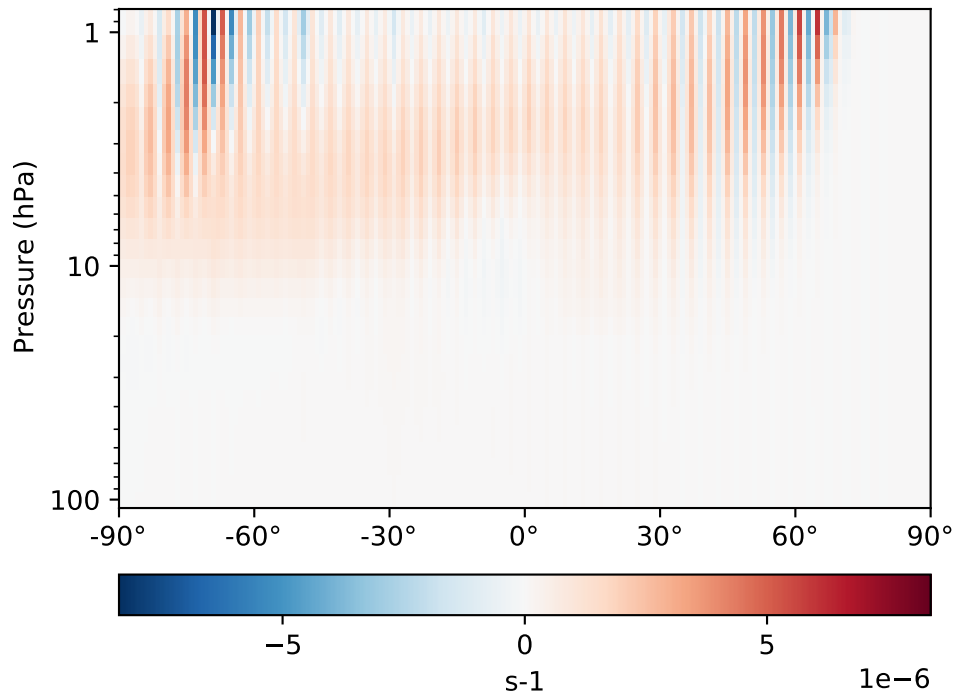
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



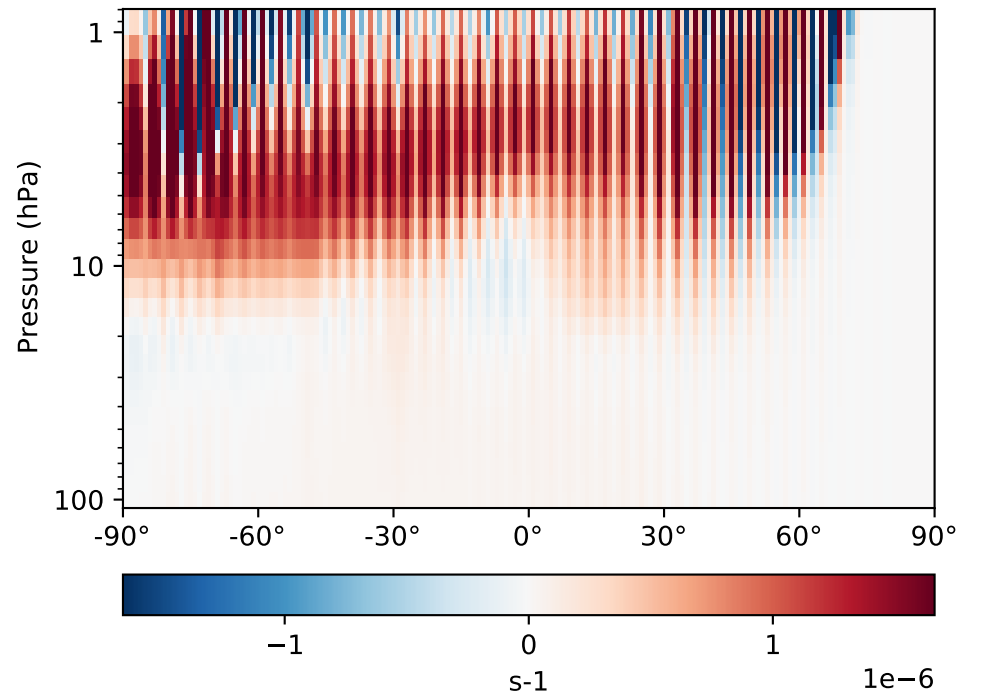
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



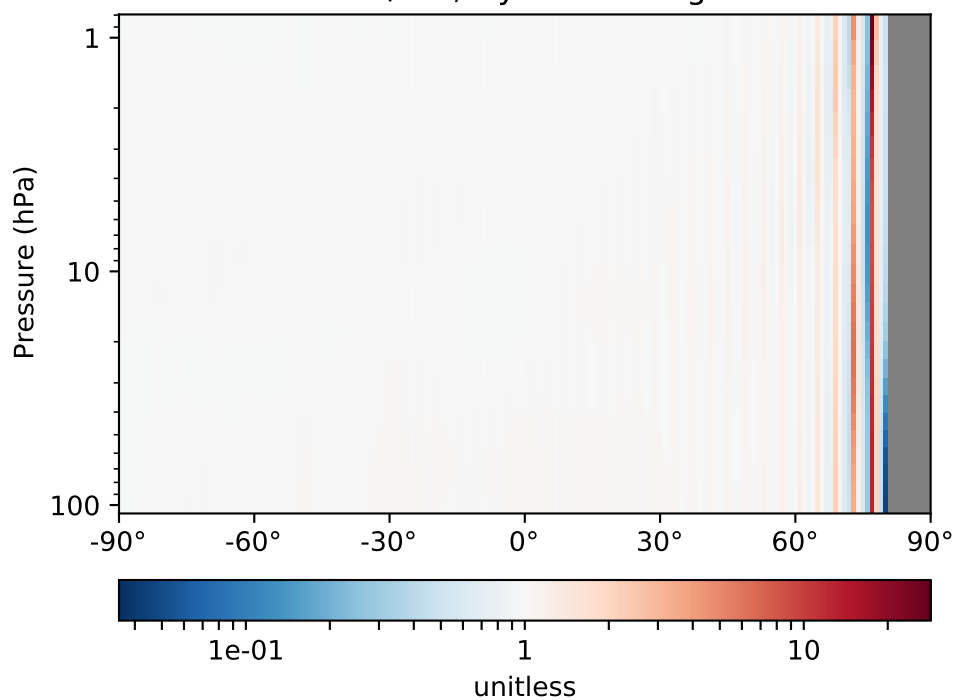
Difference (1x1.25)
Dev - Ref, Dynamic Range



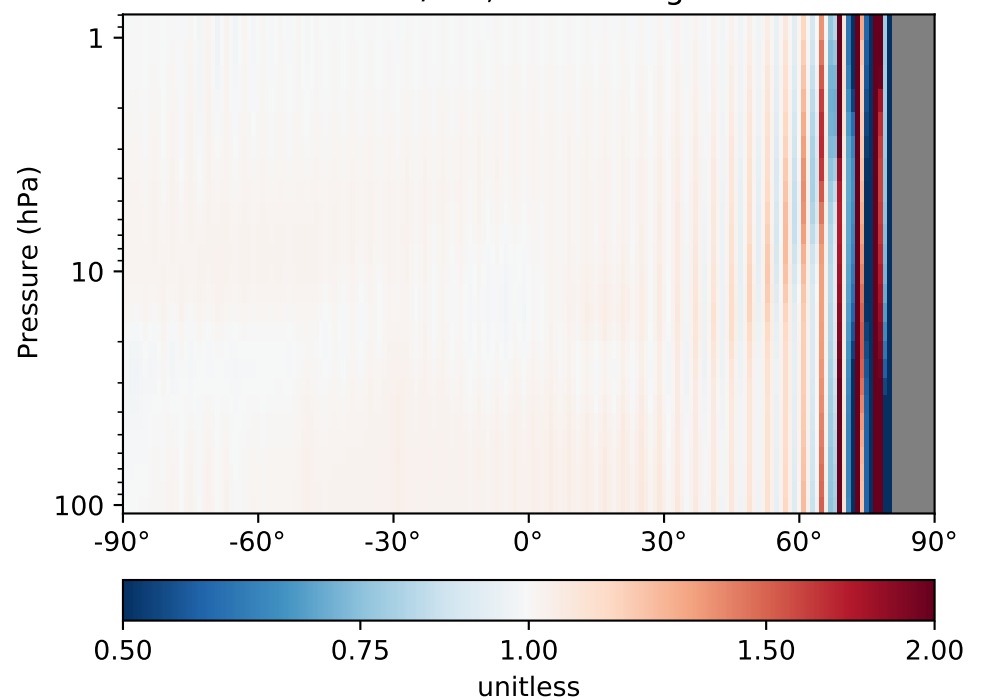
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

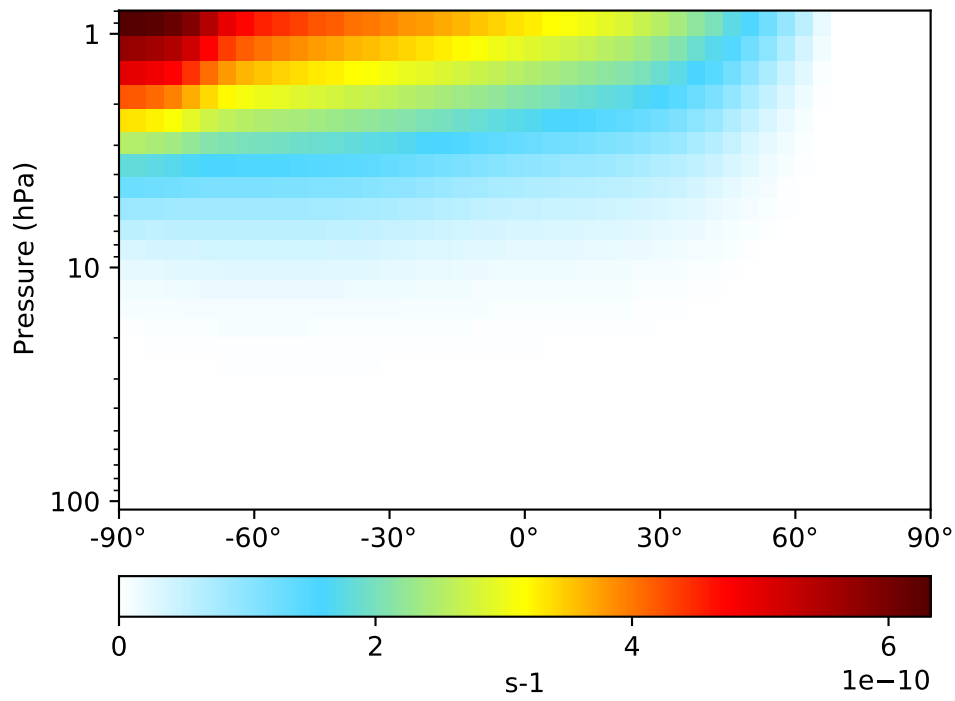


Ratio (1x1.25)
Dev/Ref, Fixed Range

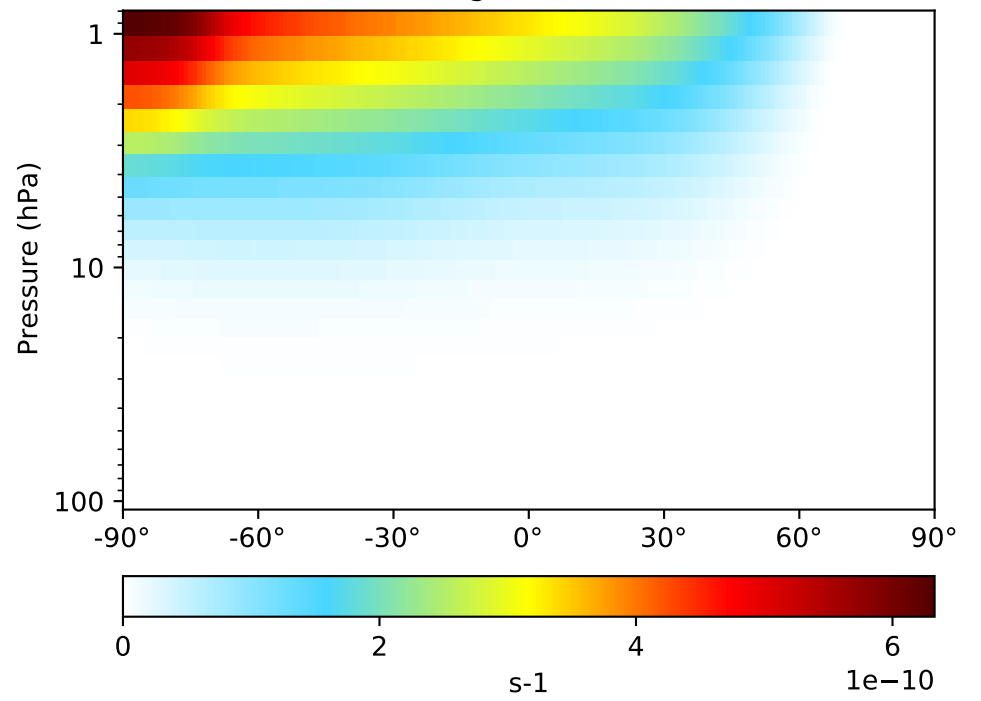


Jval_O2, Zonal Mean (Jan2019)

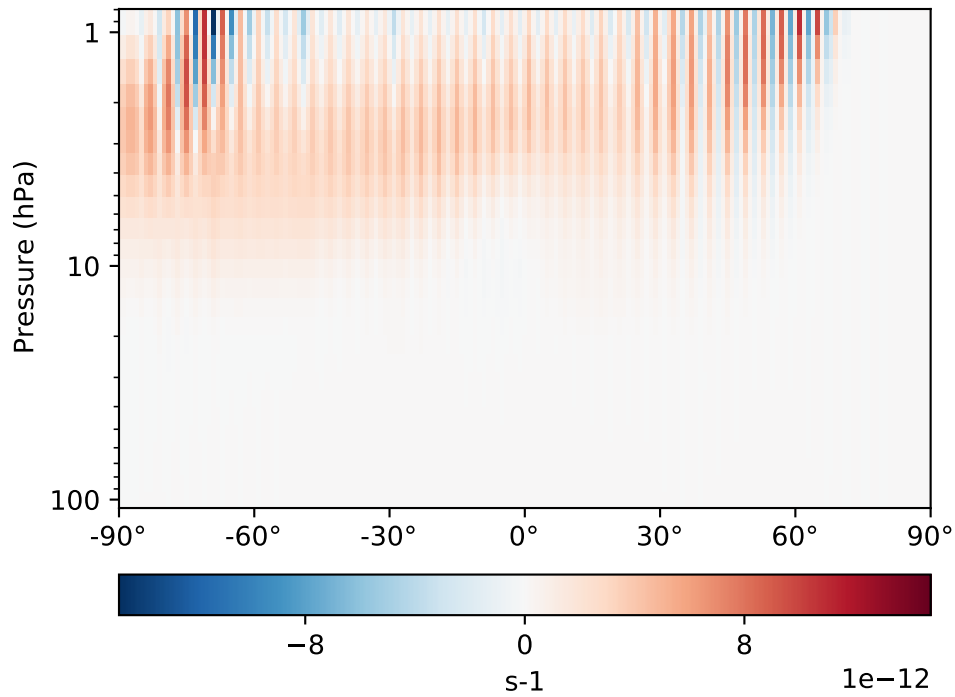
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



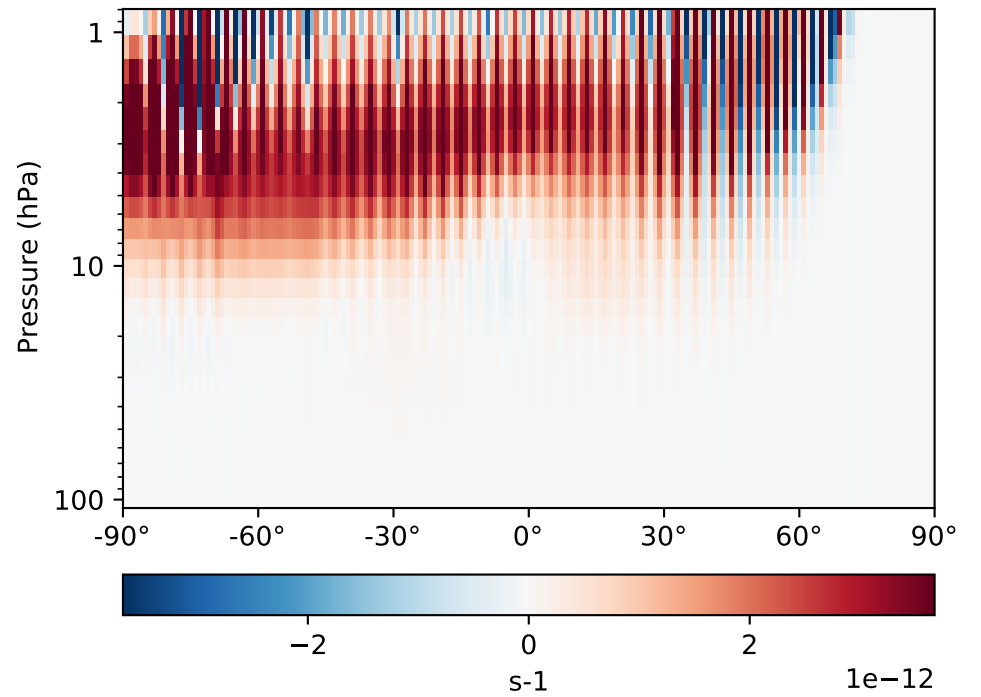
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regridged from c48



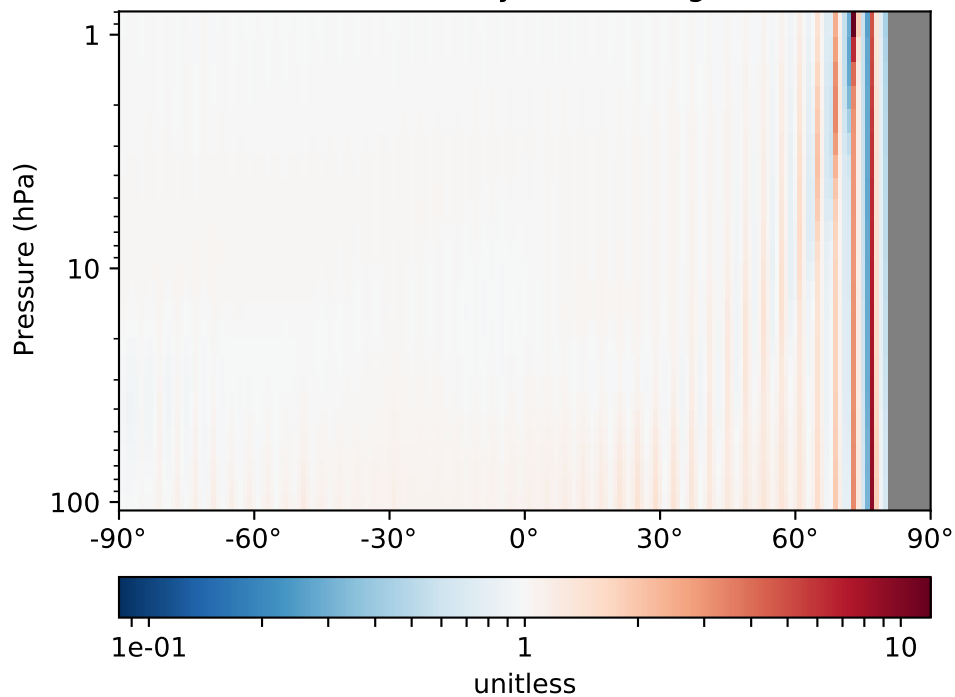
Difference (1x1.25)
Dev - Ref, Dynamic Range



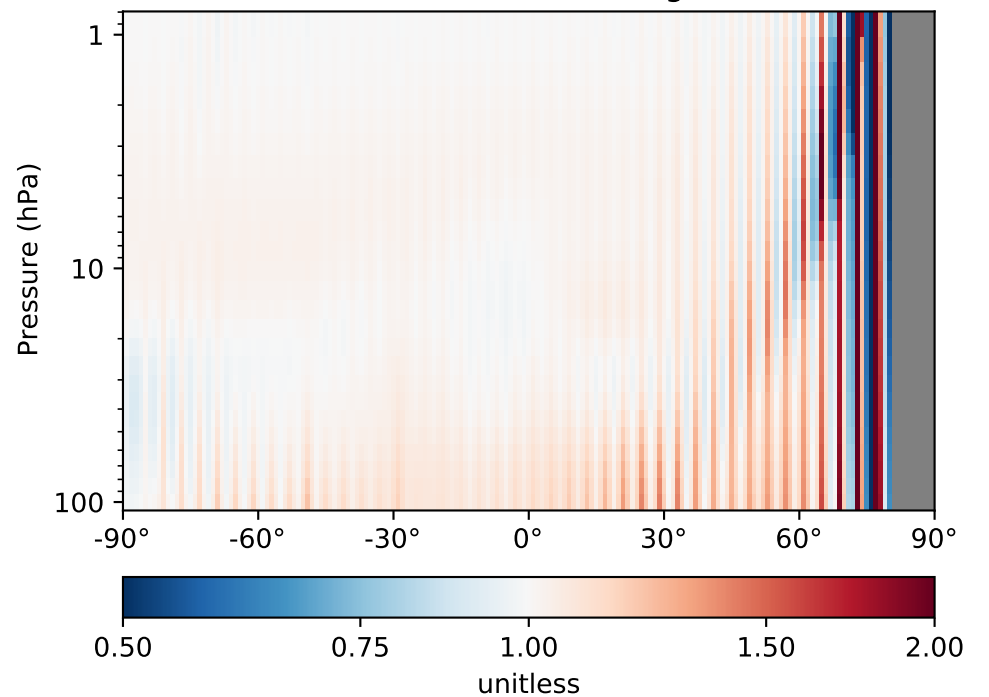
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

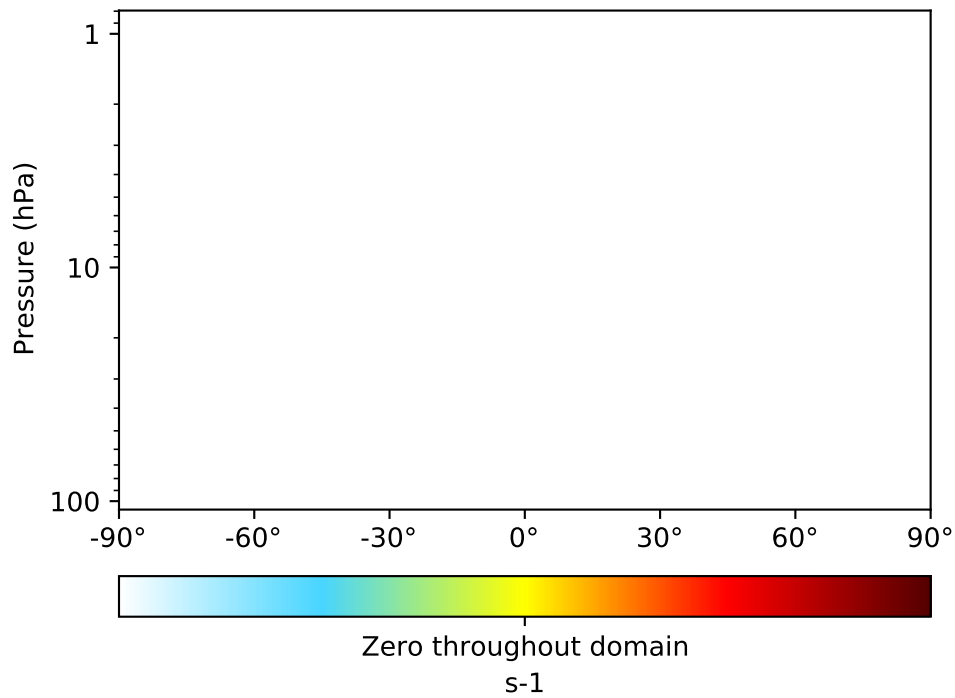


Ratio (1x1.25)
Dev/Ref, Fixed Range

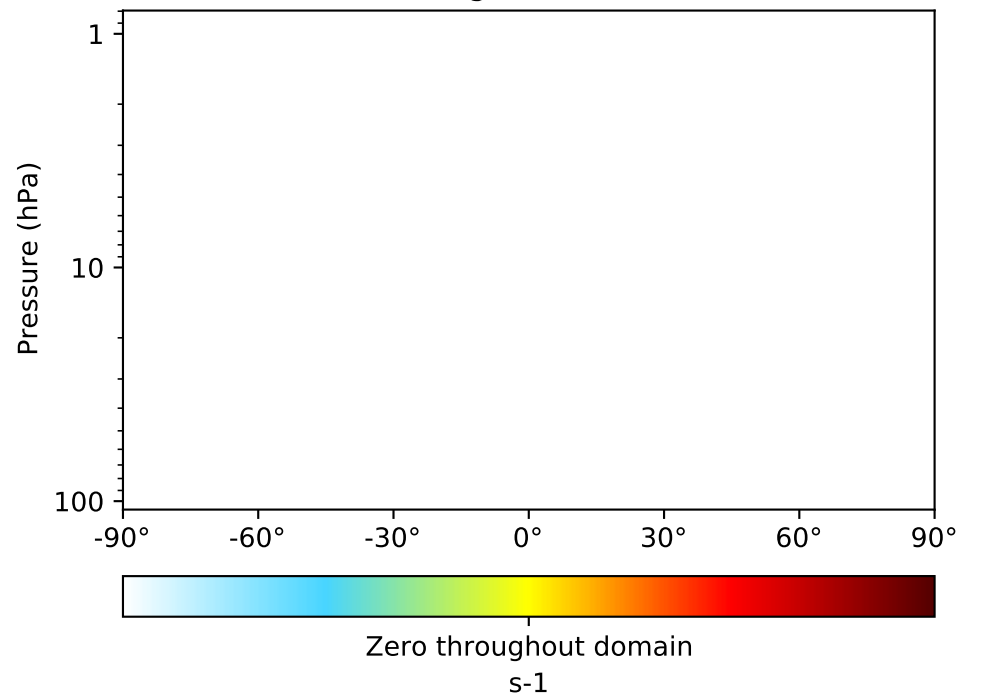


Jval_O3, Zonal Mean (Jan2019)

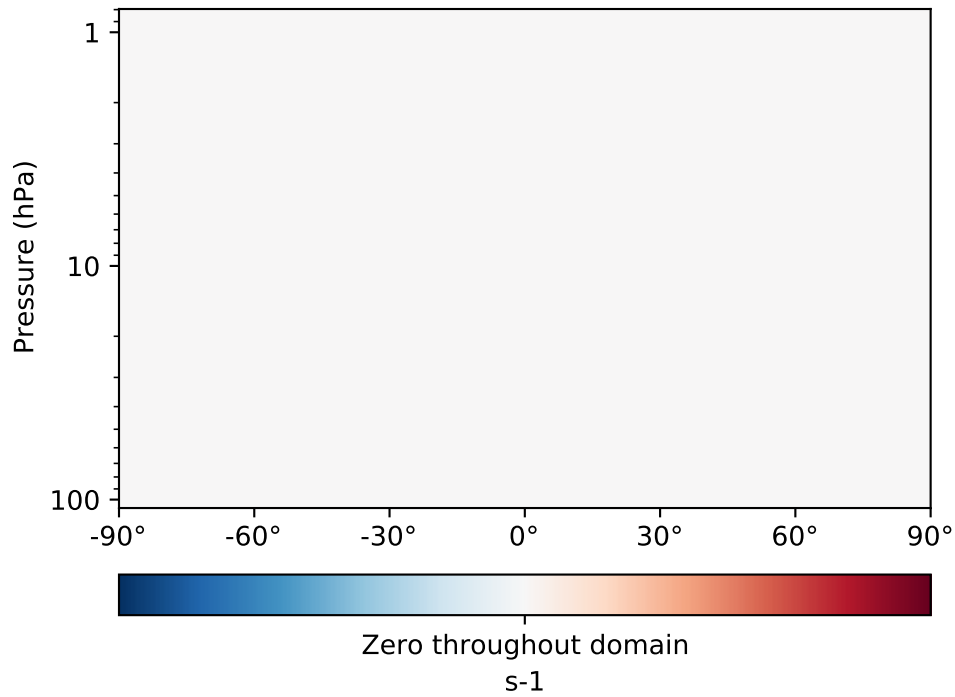
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



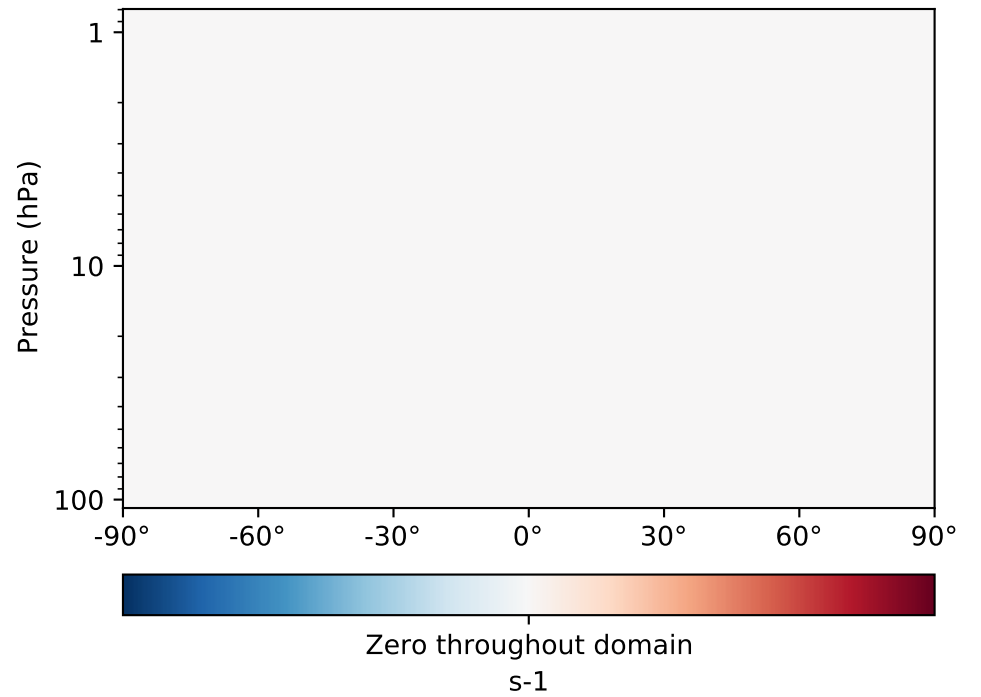
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regridded from c48



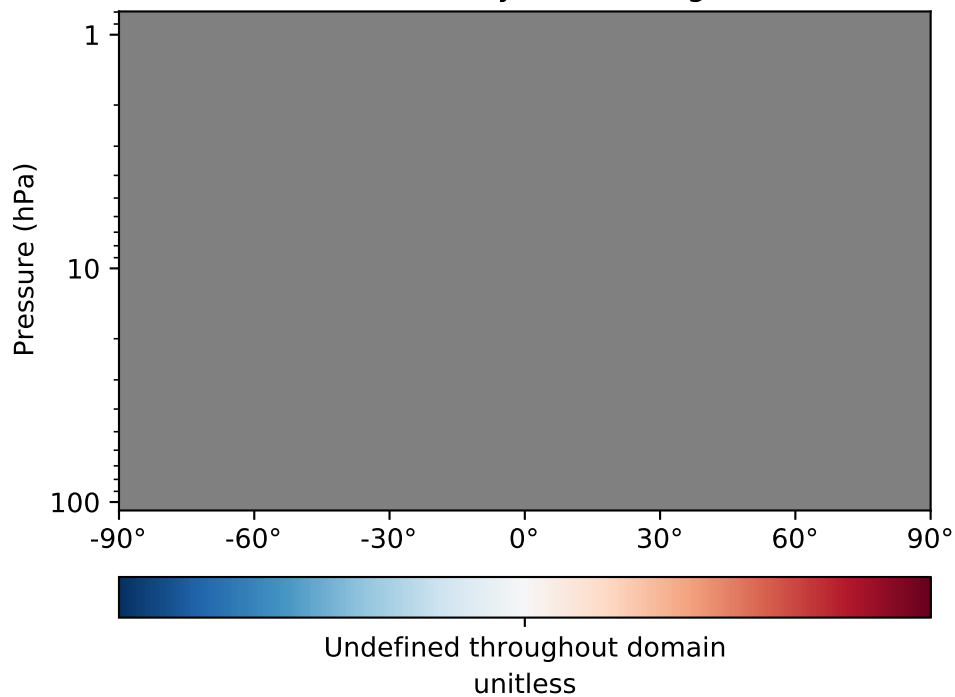
Difference (1x1.25)
Dev - Ref, Dynamic Range



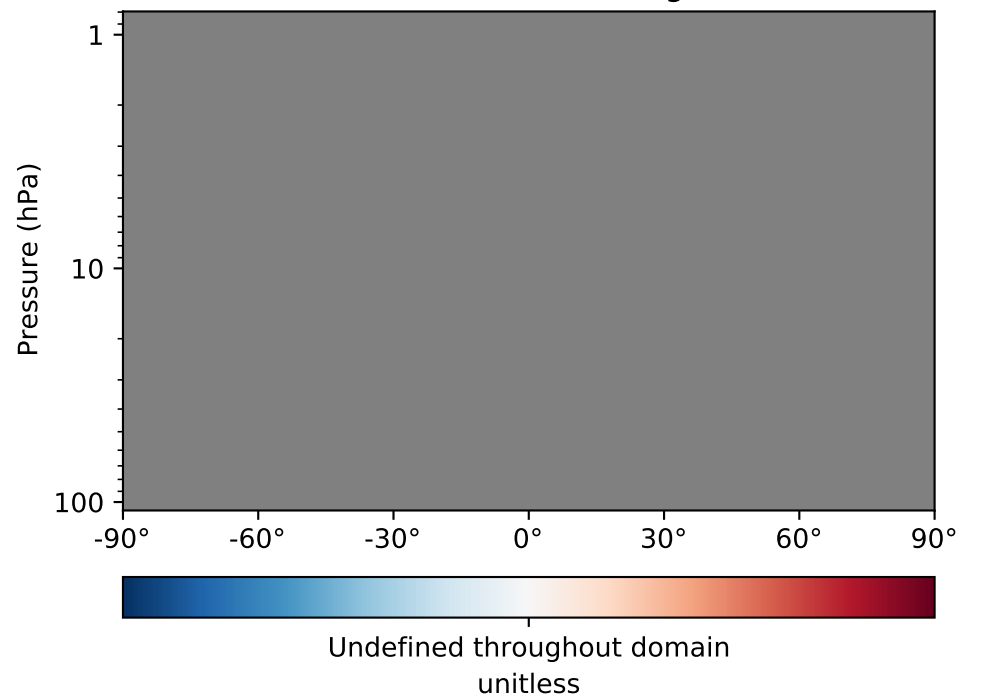
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

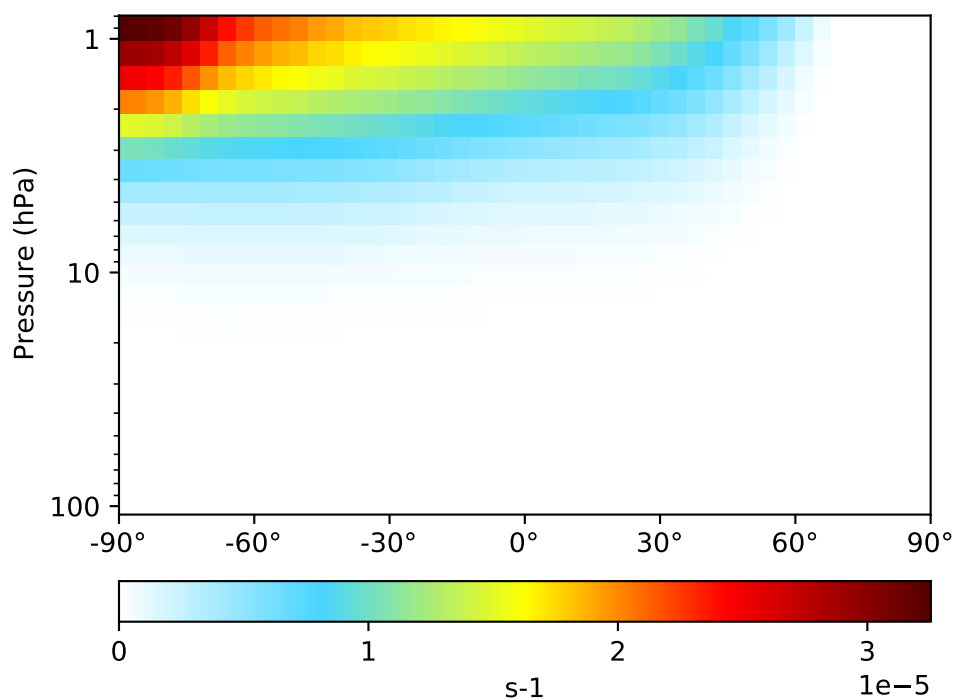


Ratio (1x1.25)
Dev/Ref, Fixed Range

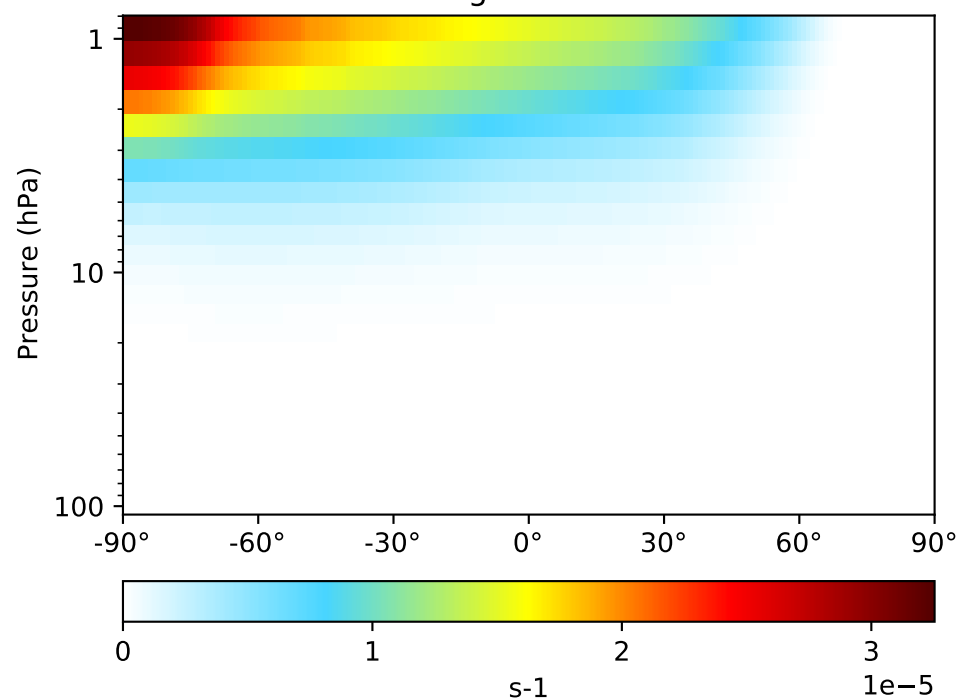


Jval_OCS, Zonal Mean (Jan2019)

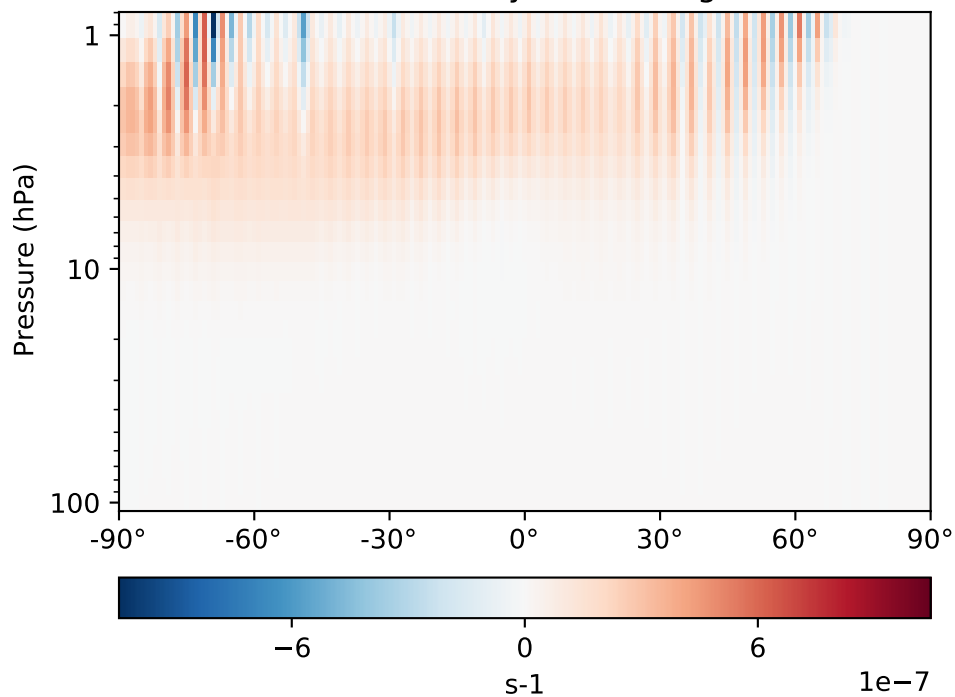
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



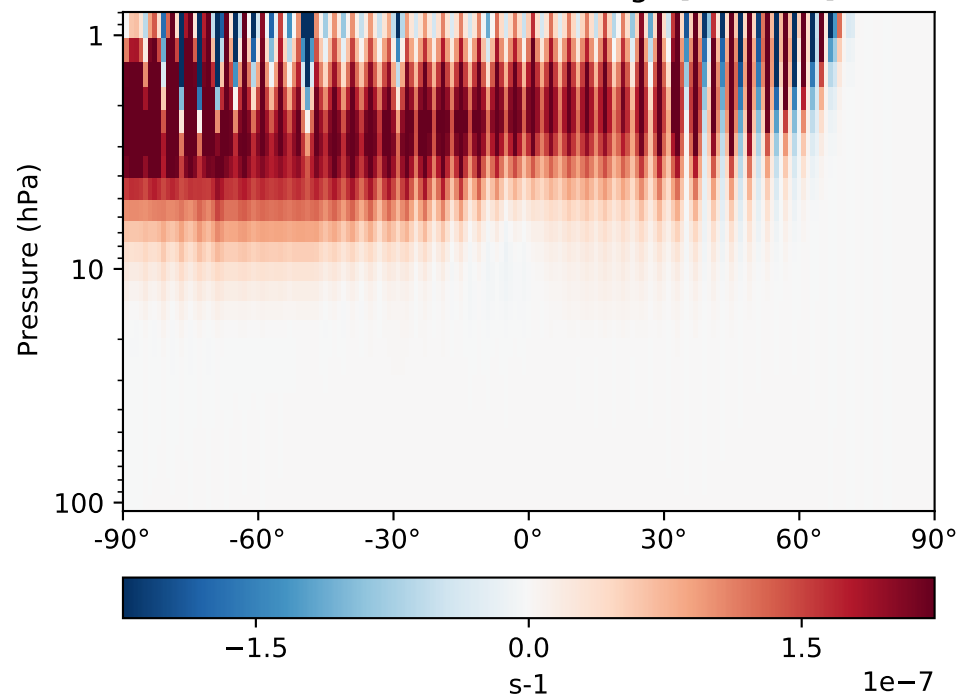
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



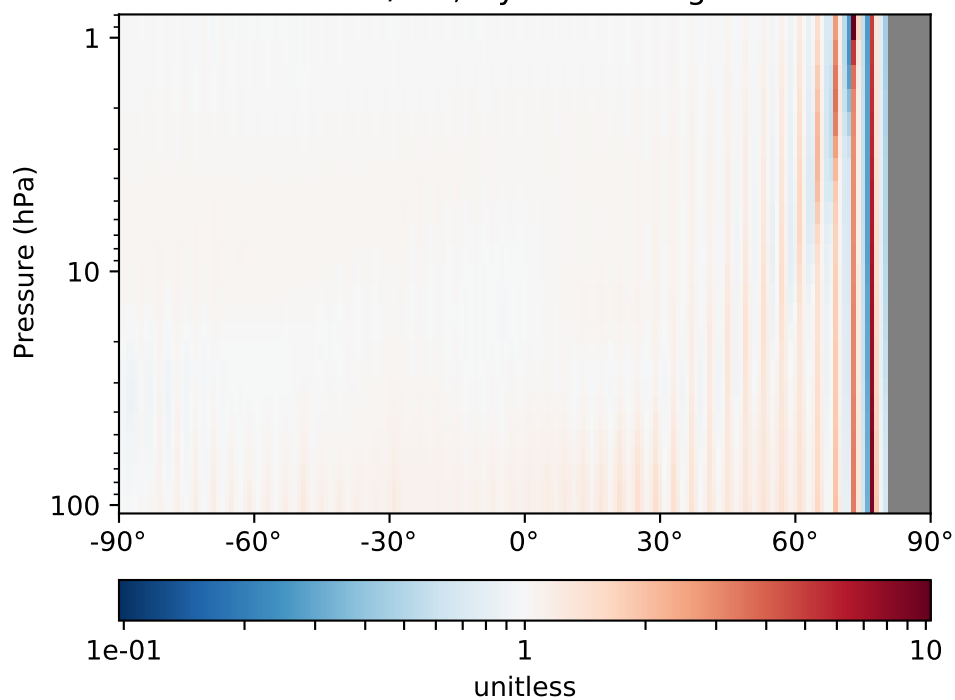
Difference (1x1.25)
Dev - Ref, Dynamic Range



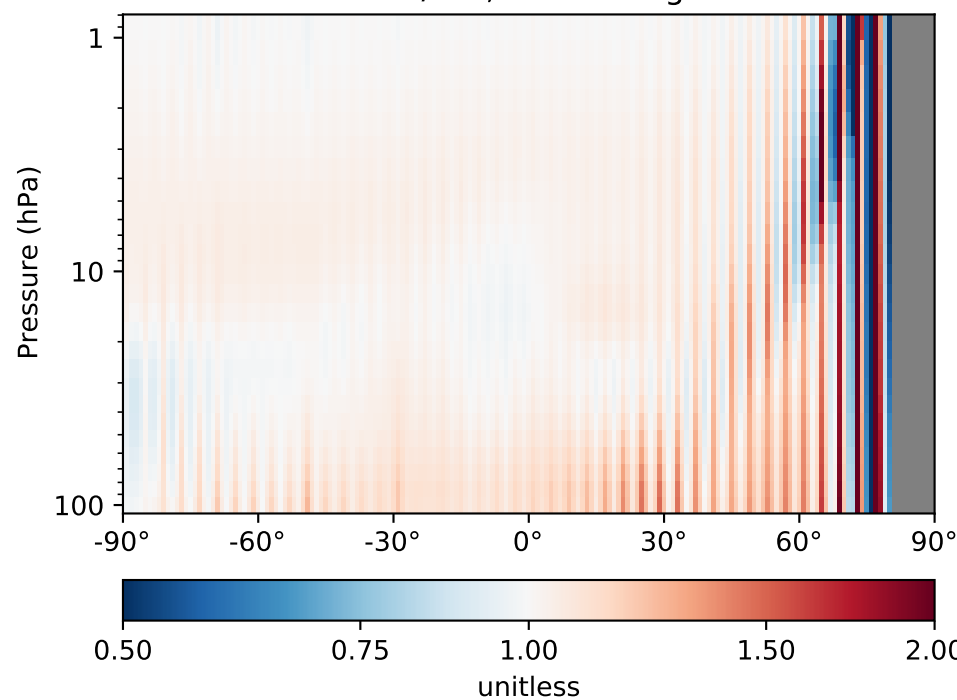
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

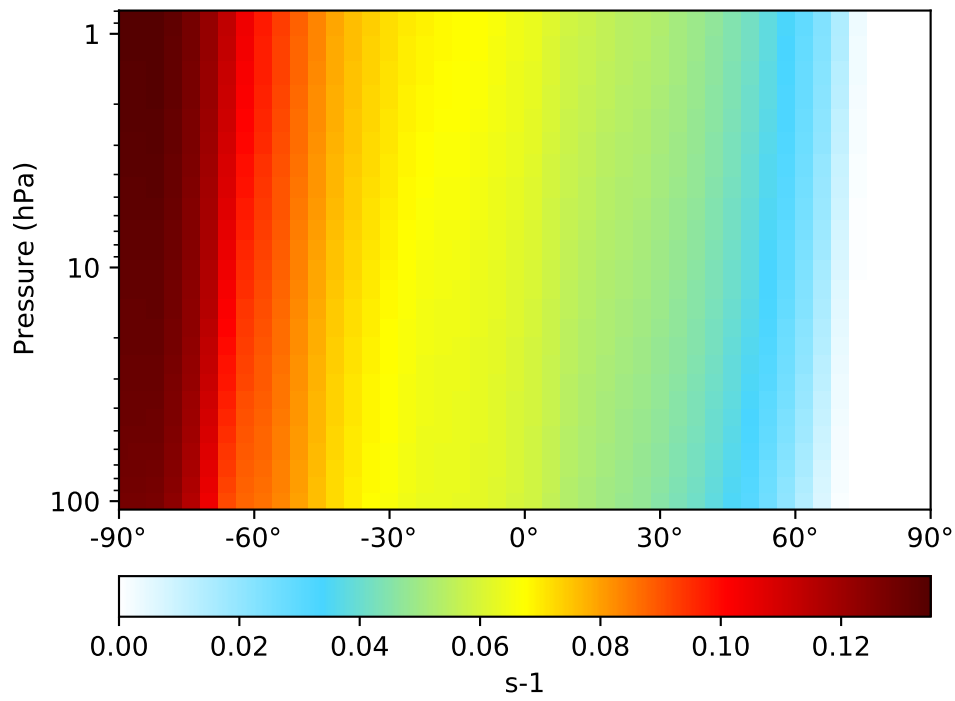


Ratio (1x1.25)
Dev/Ref, Fixed Range

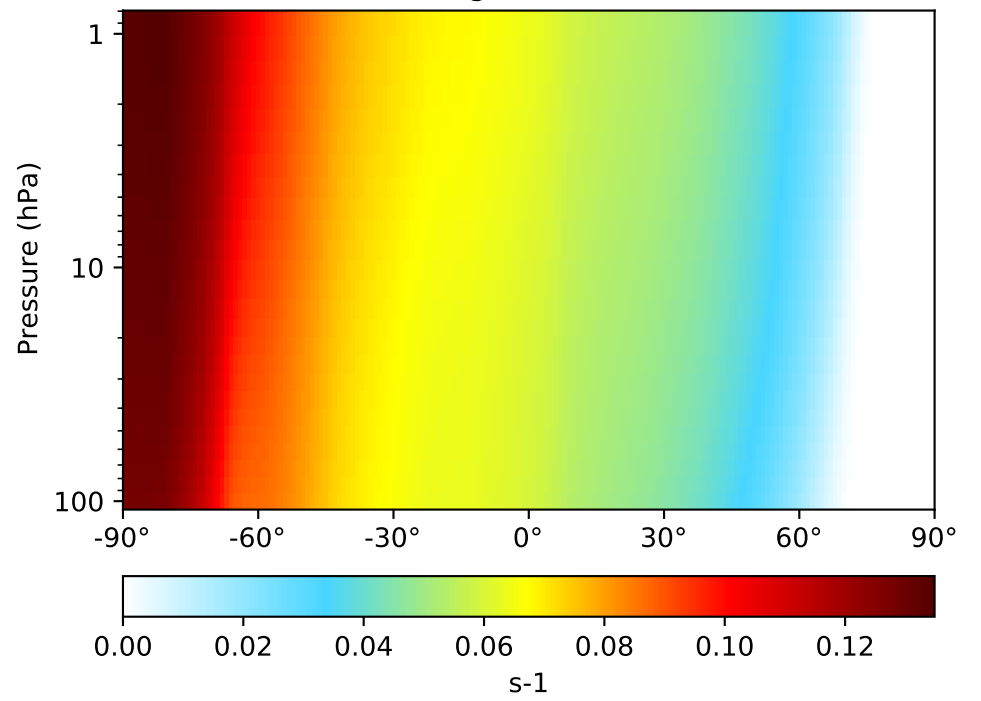


Jval_OClO, Zonal Mean (Jan2019)

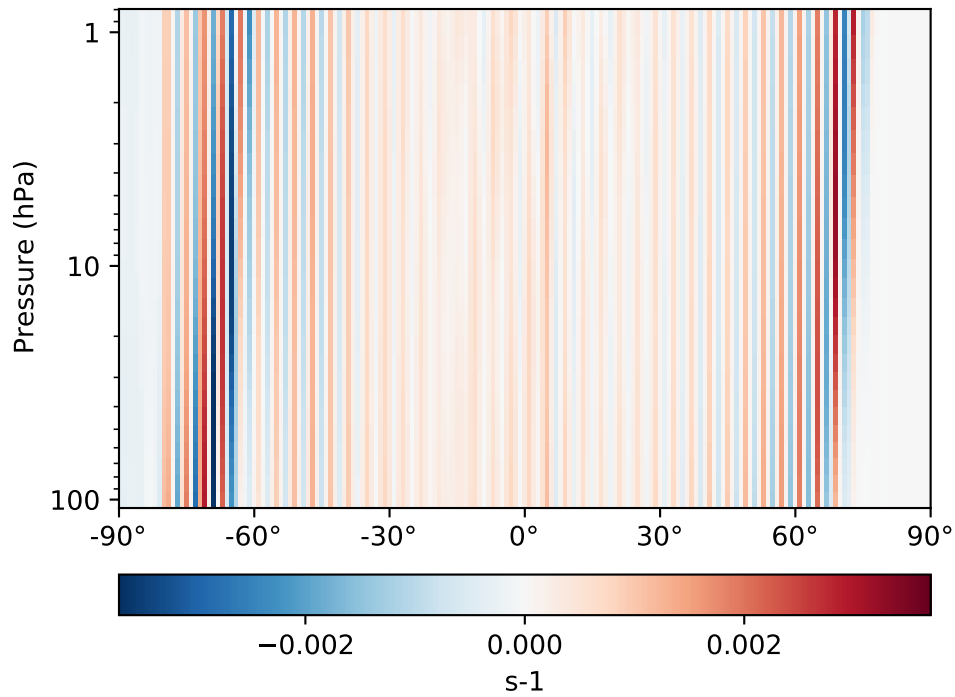
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



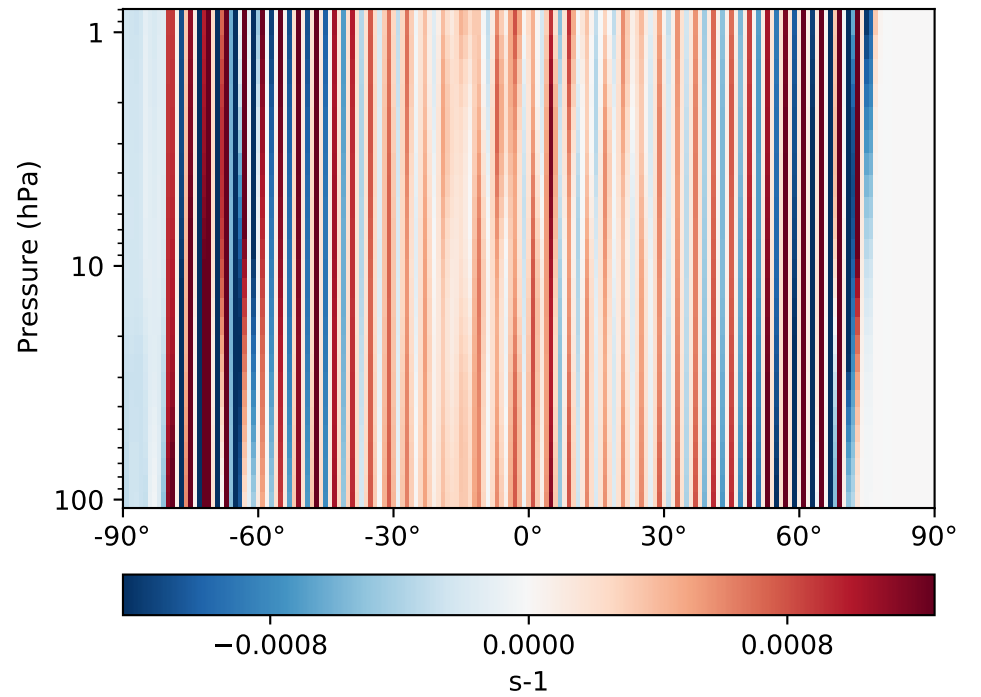
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



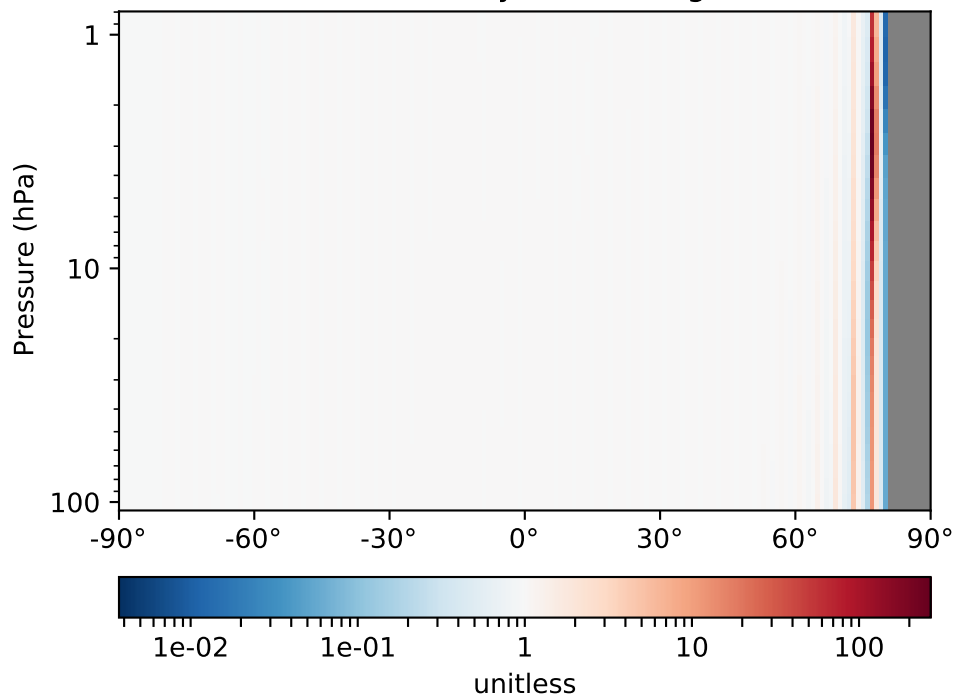
Difference (1x1.25)
Dev - Ref, Dynamic Range



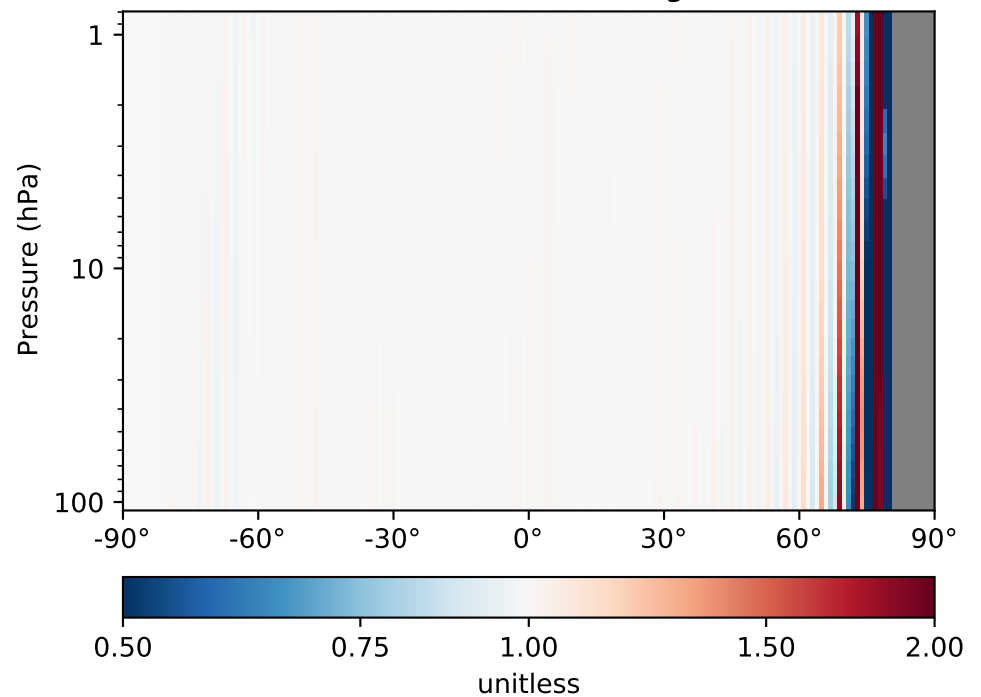
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

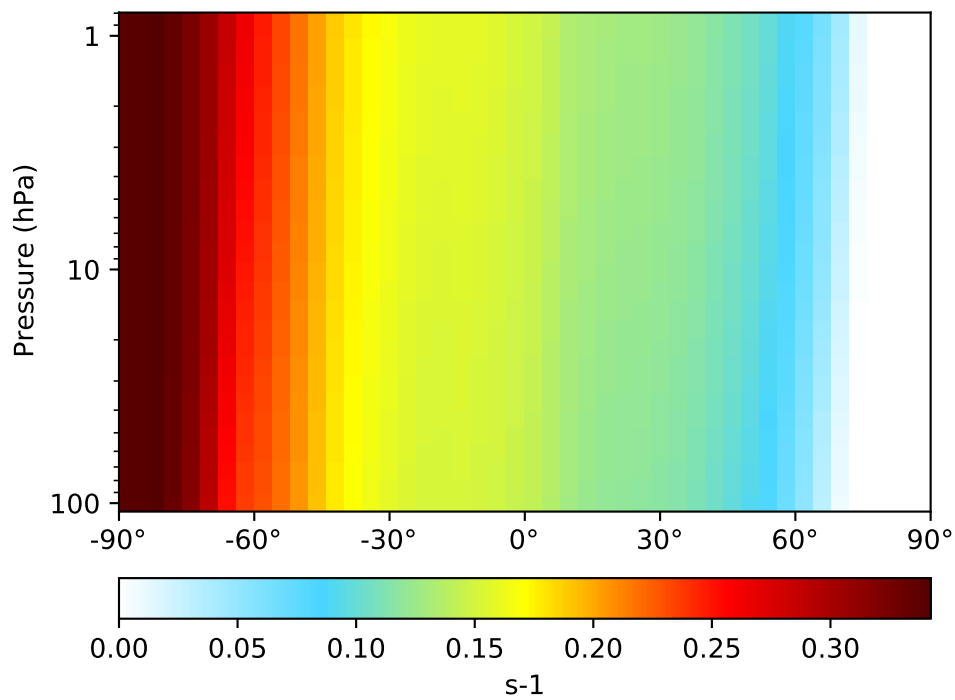


Ratio (1x1.25)
Dev/Ref, Fixed Range

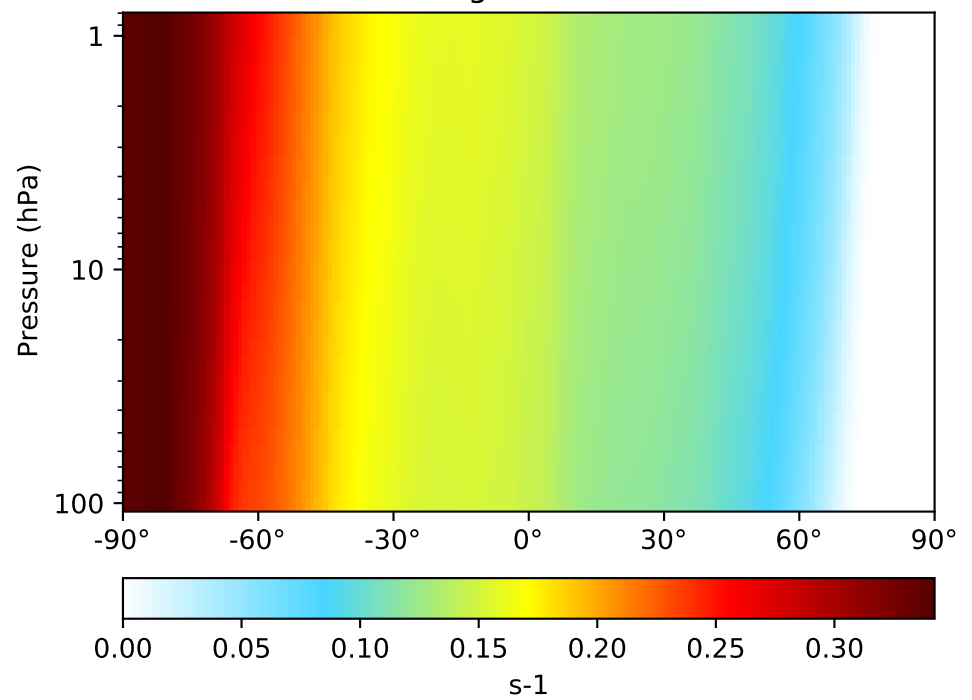


Jval_OIO, Zonal Mean (Jan2019)

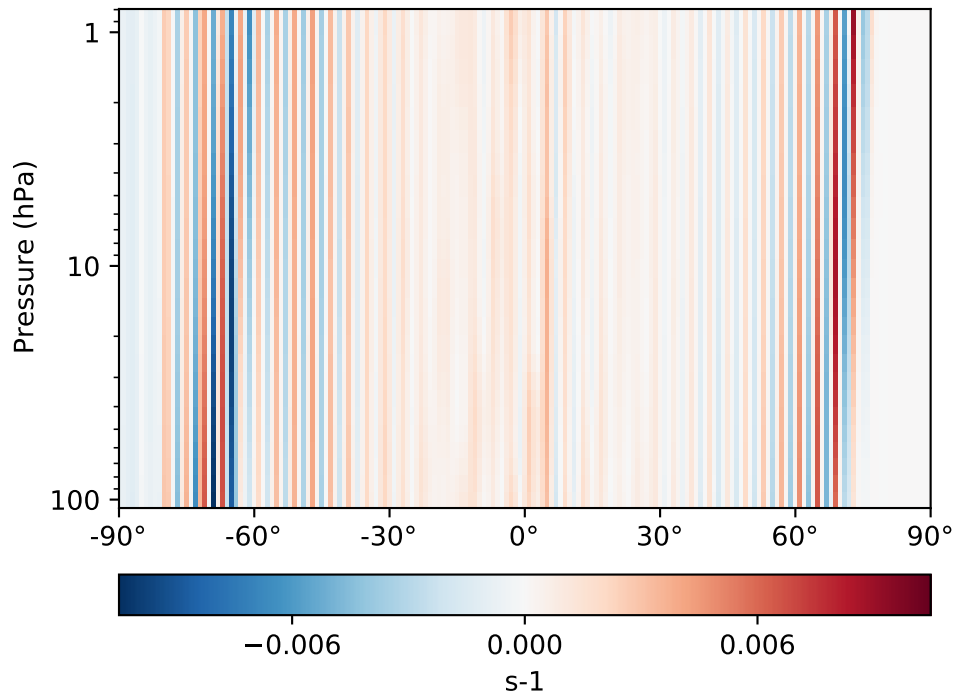
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



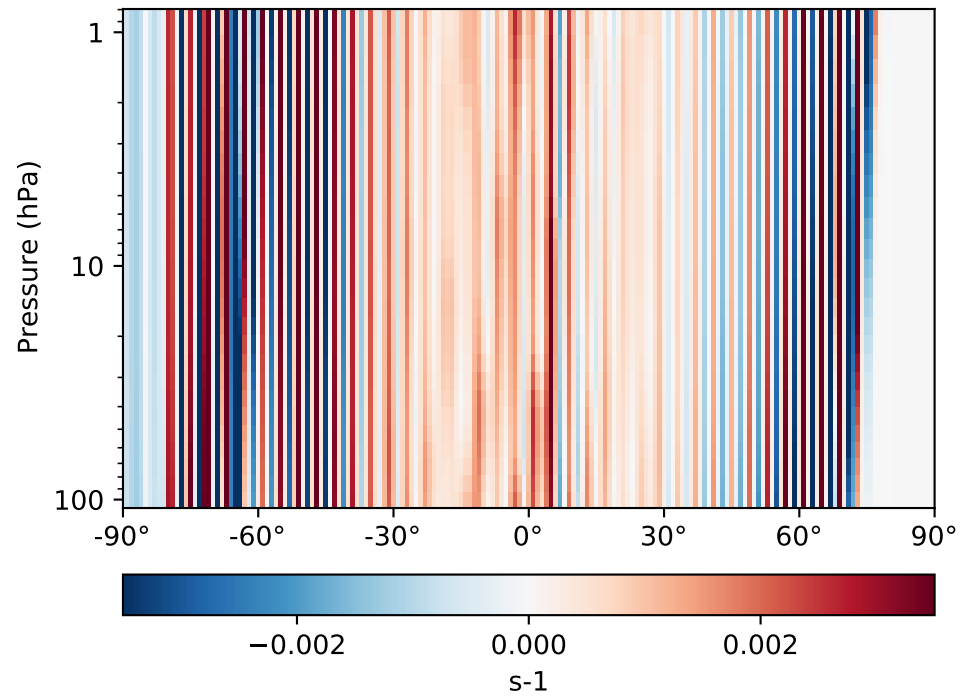
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



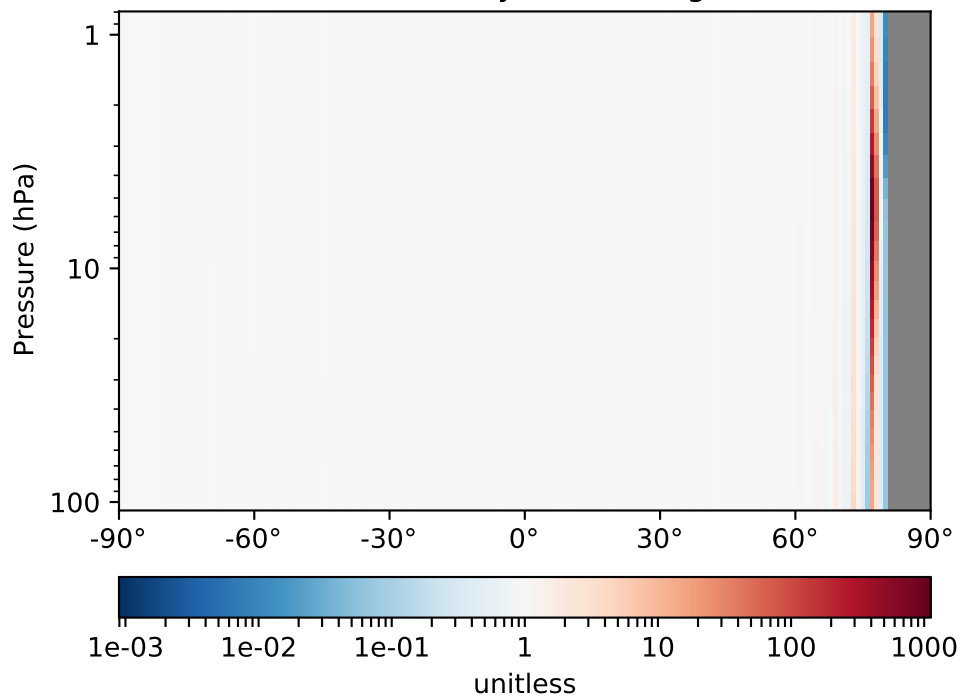
Difference (1x1.25)
Dev - Ref, Dynamic Range



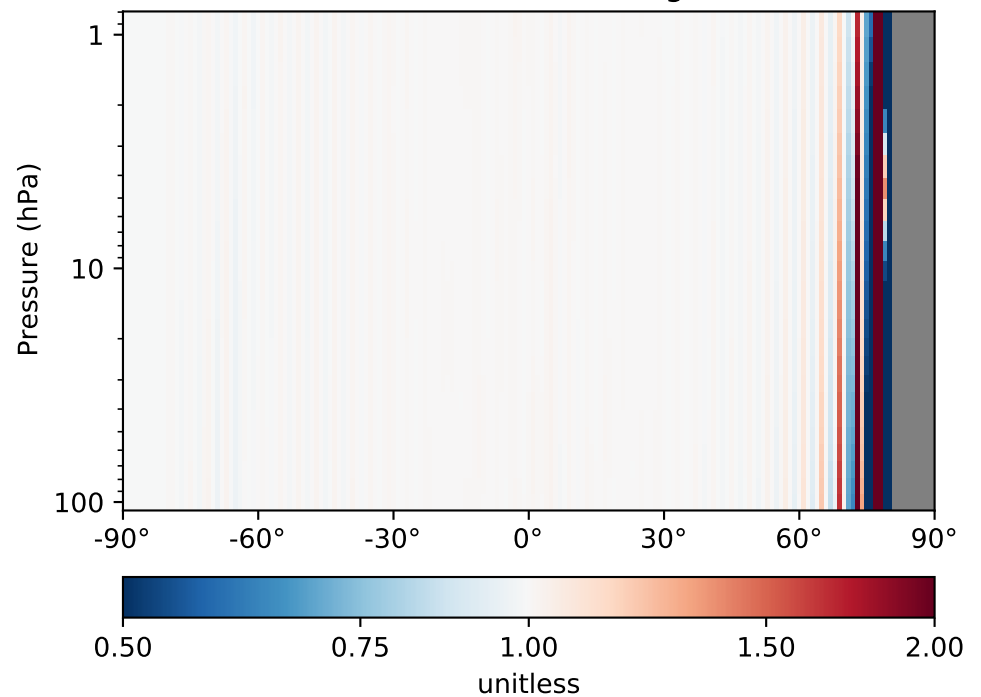
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

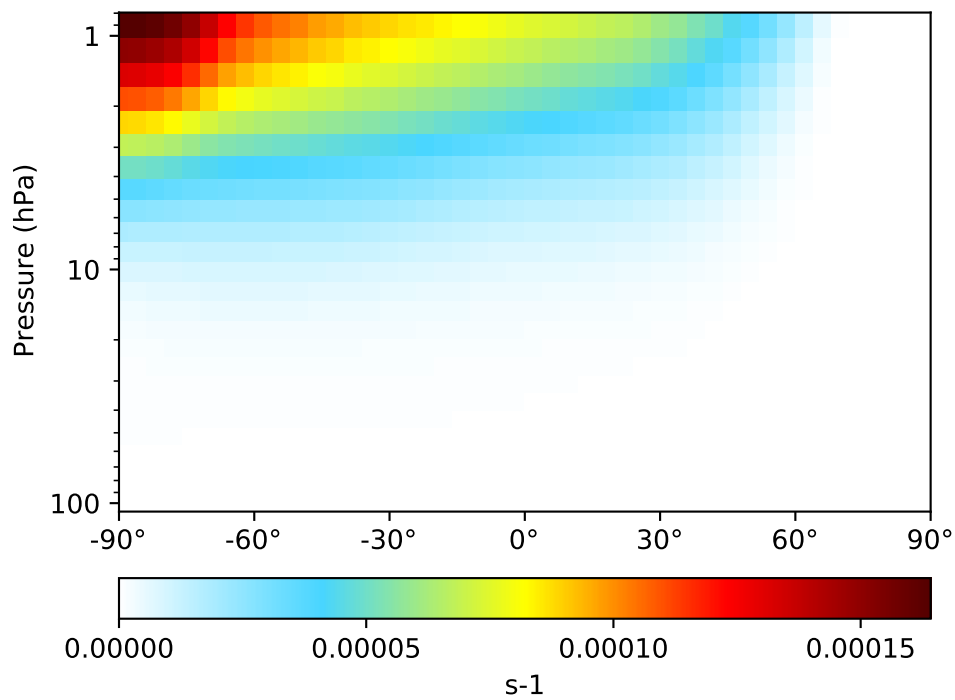


Ratio (1x1.25)
Dev/Ref, Fixed Range

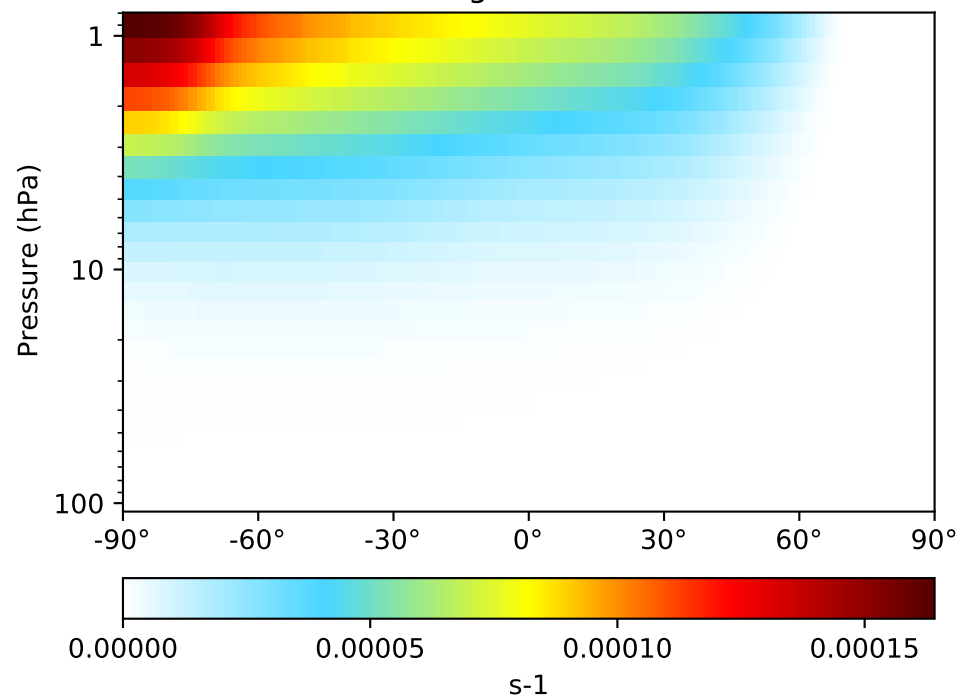


Jval_PAN, Zonal Mean (Jan2019)

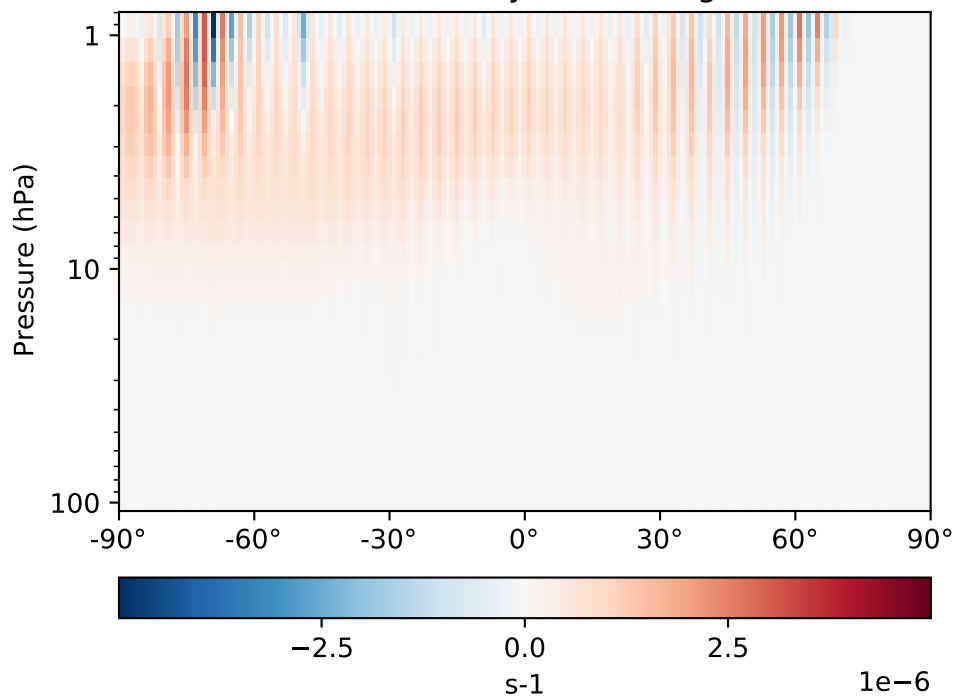
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



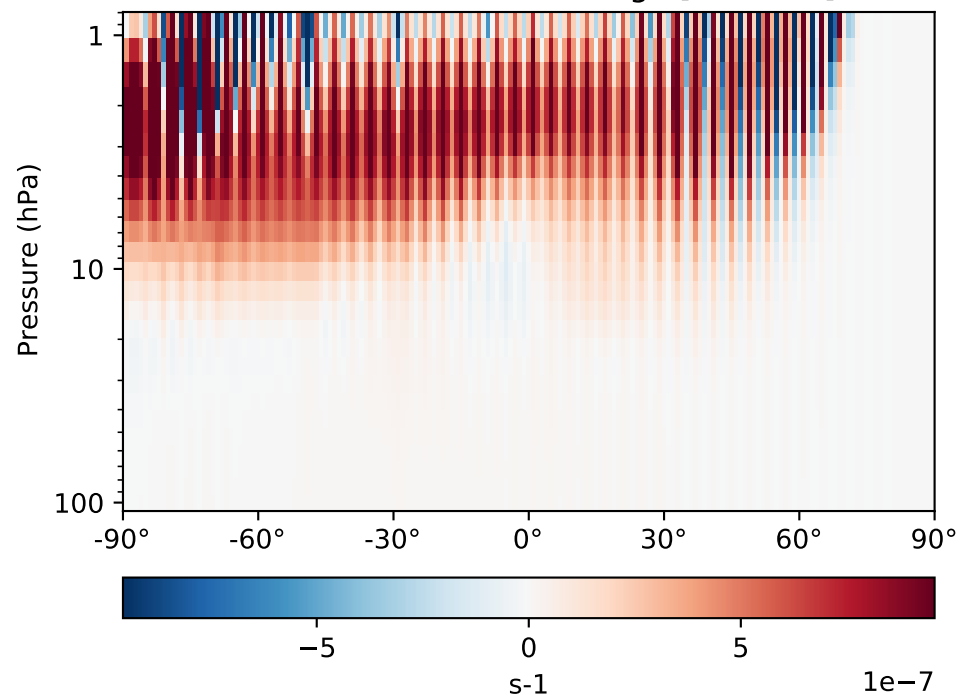
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regridged from c48



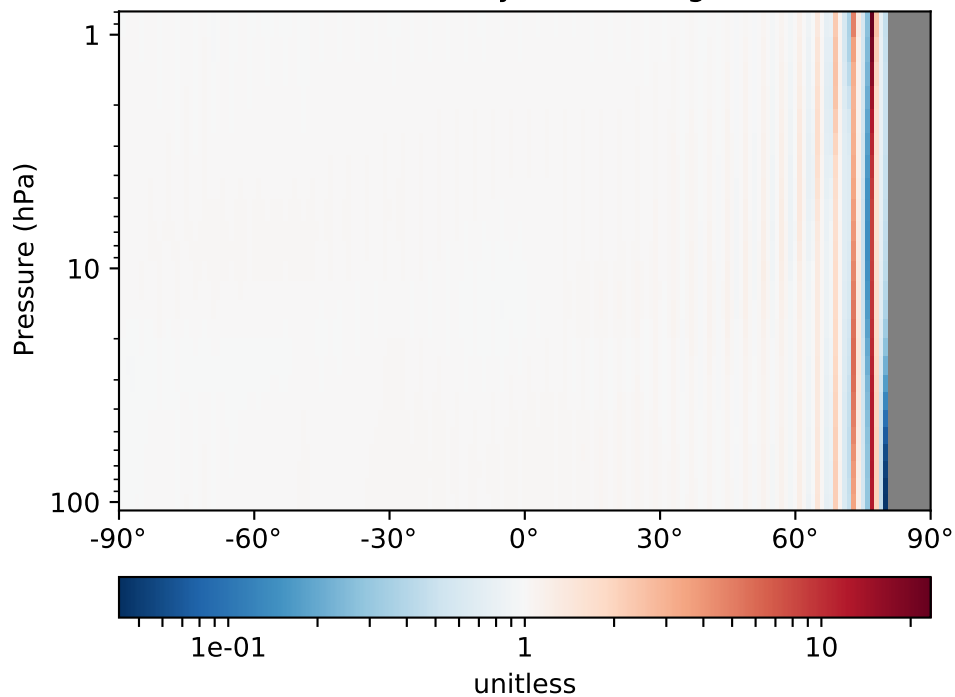
Difference (1x1.25)
Dev - Ref, Dynamic Range



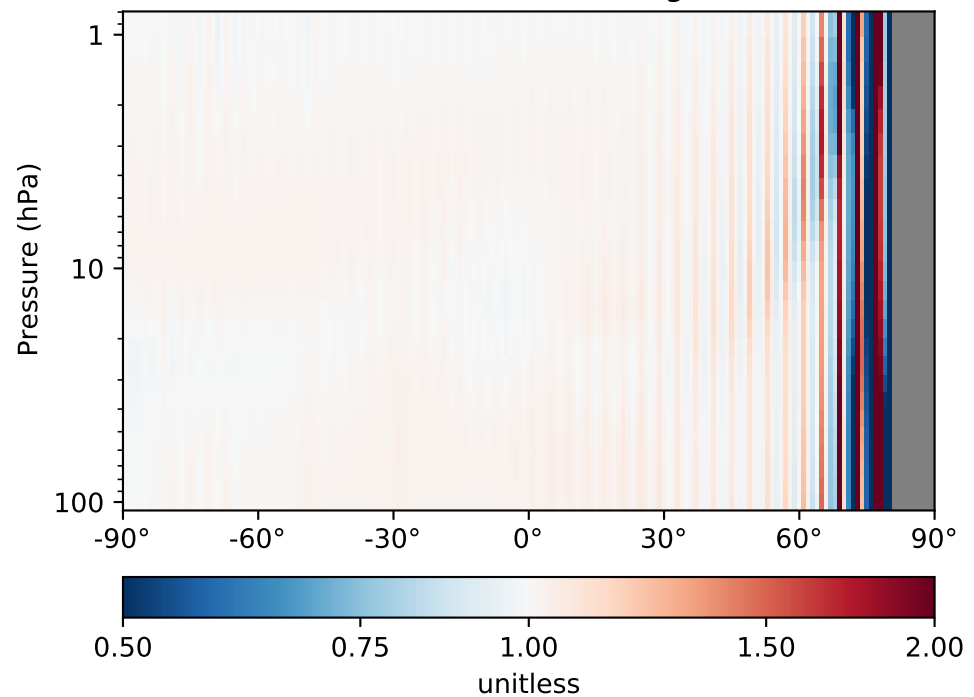
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

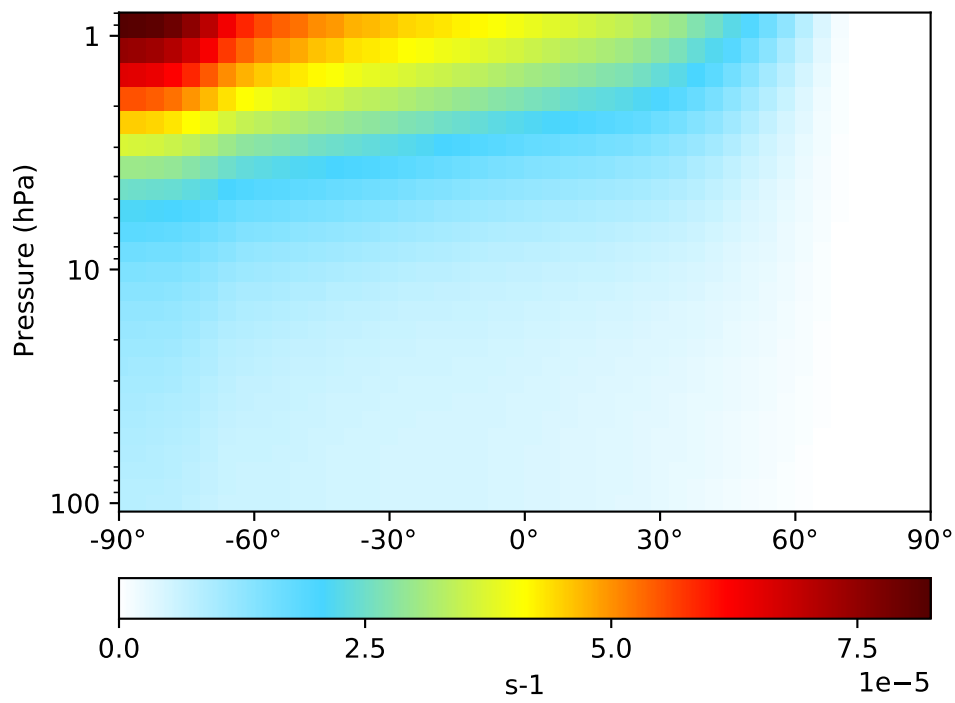


Ratio (1x1.25)
Dev/Ref, Fixed Range

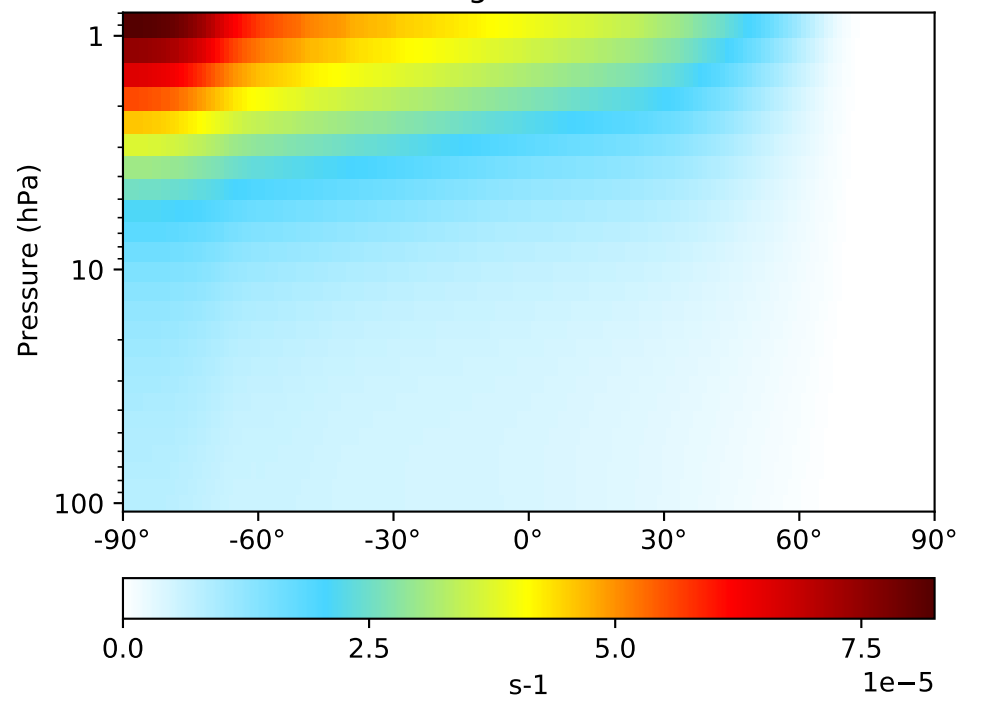


Jval_PIP, Zonal Mean (Jan2019)

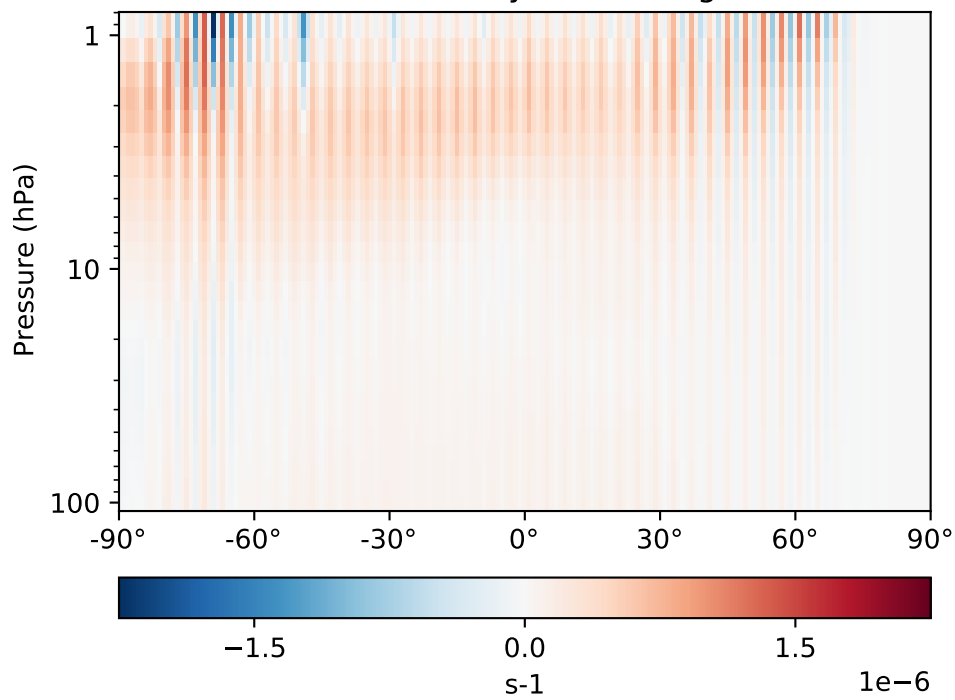
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



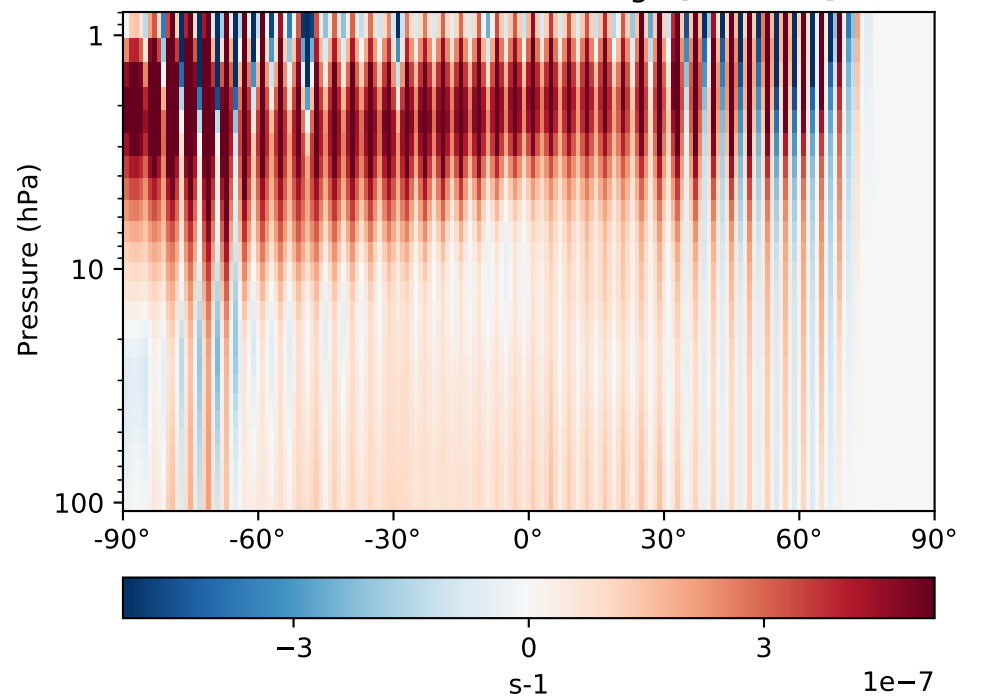
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regridged from c48



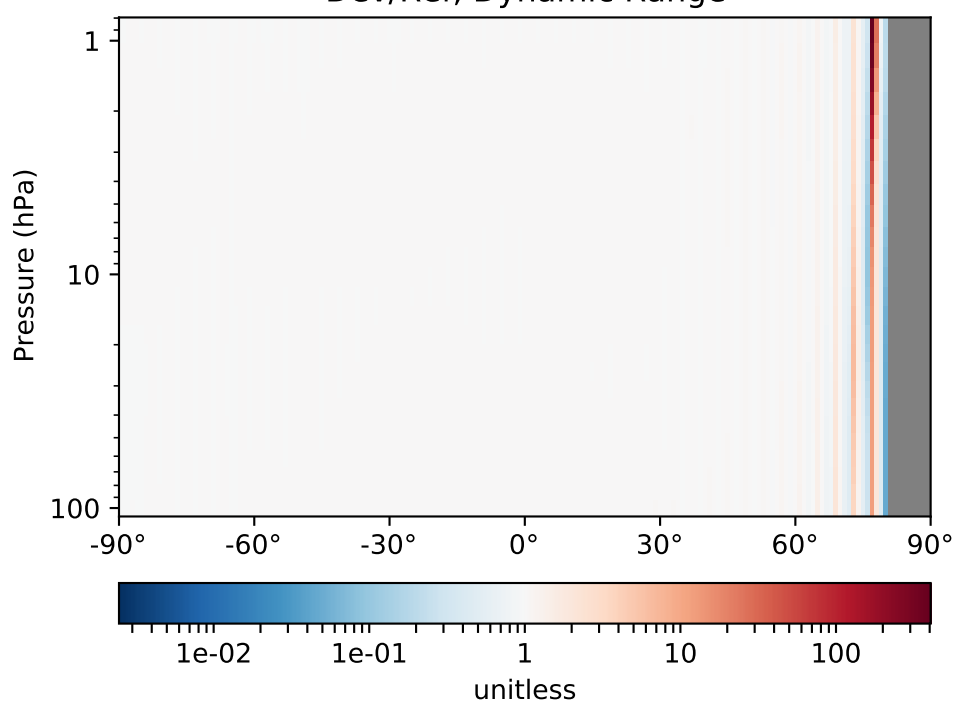
Difference (1x1.25)
Dev - Ref, Dynamic Range



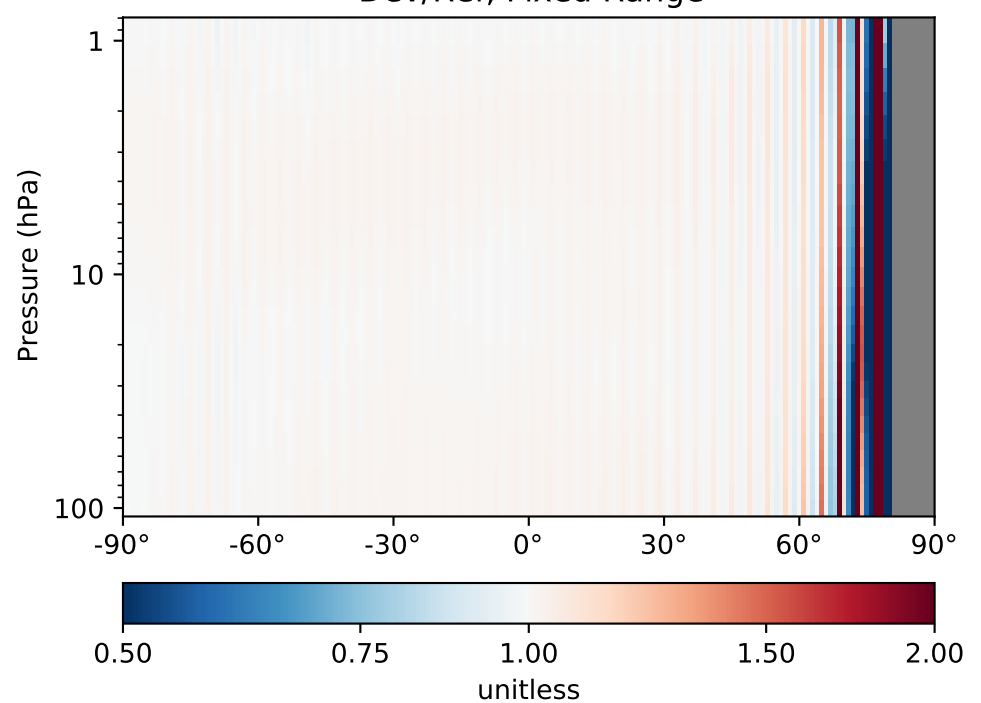
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

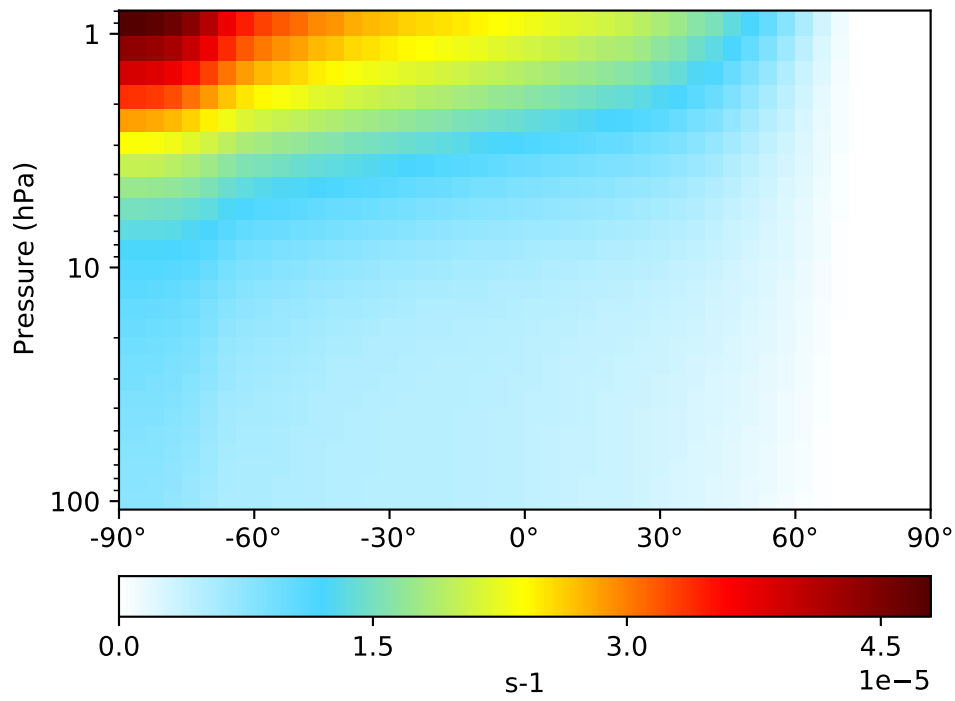


Ratio (1x1.25)
Dev/Ref, Fixed Range

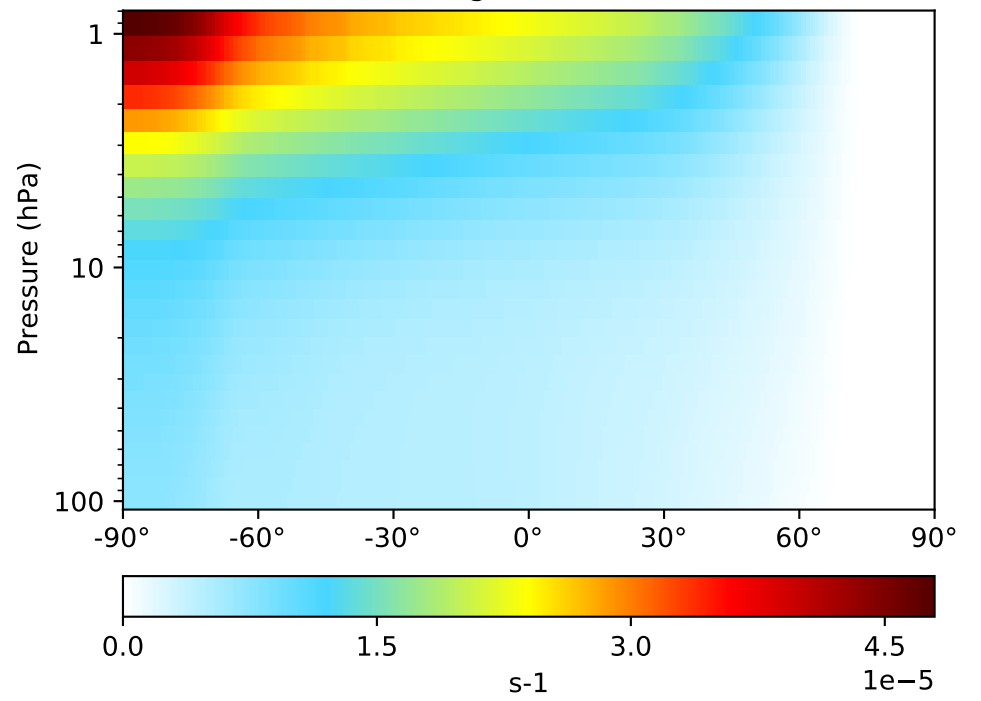


Jval_PP, Zonal Mean (Jan2019)

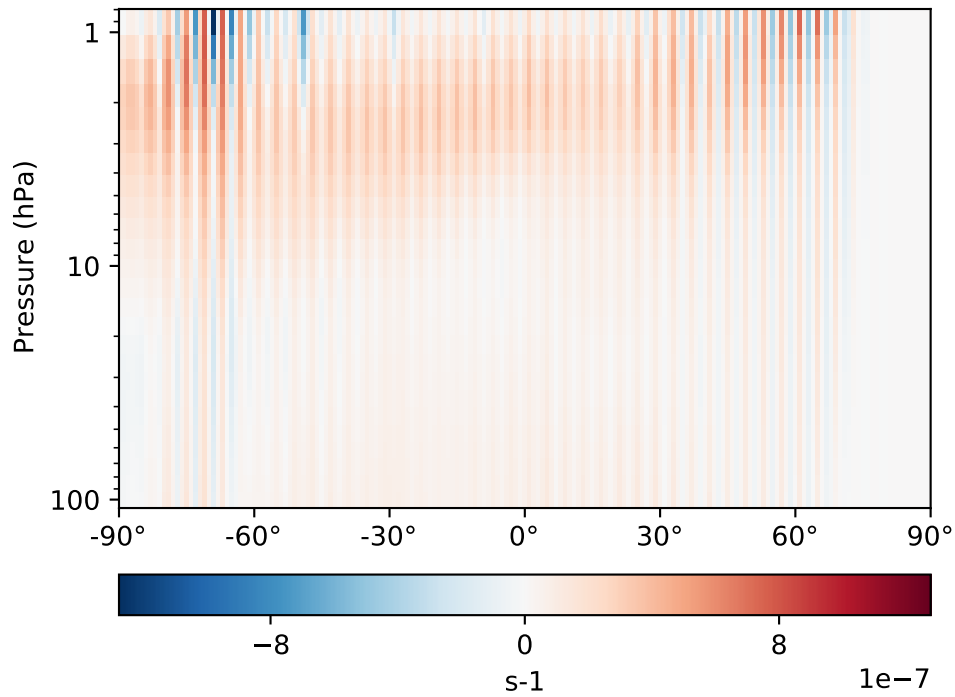
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



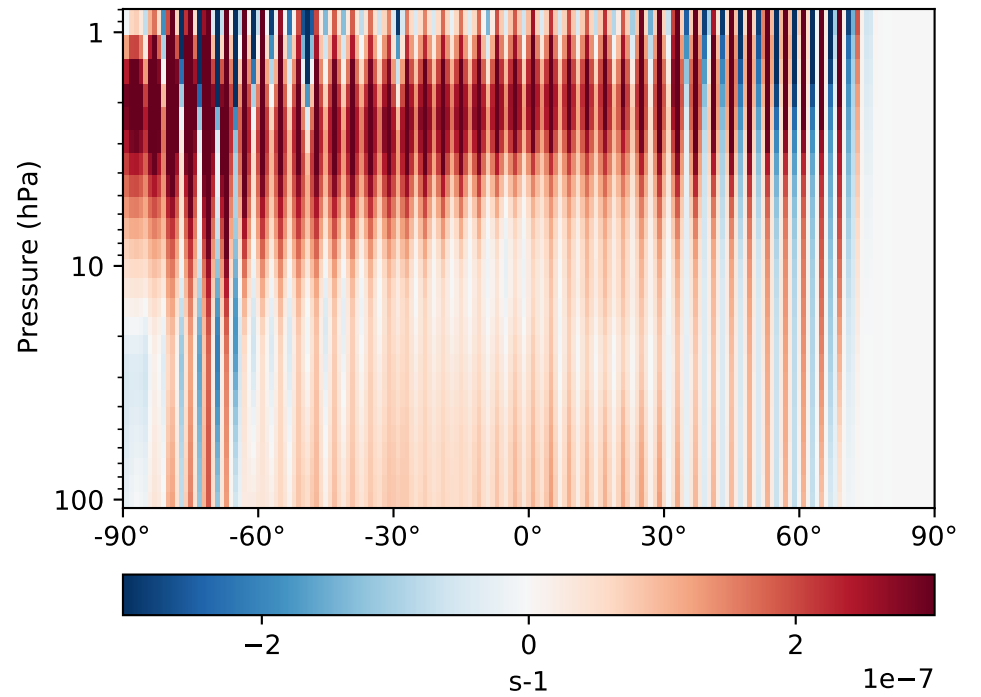
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



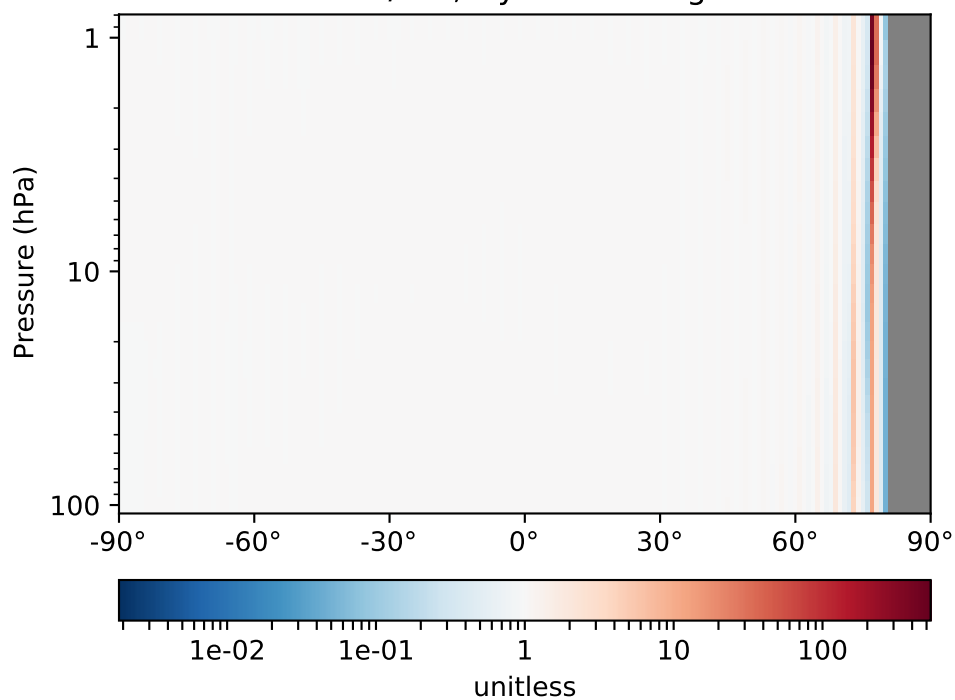
Difference (1x1.25)
Dev - Ref, Dynamic Range



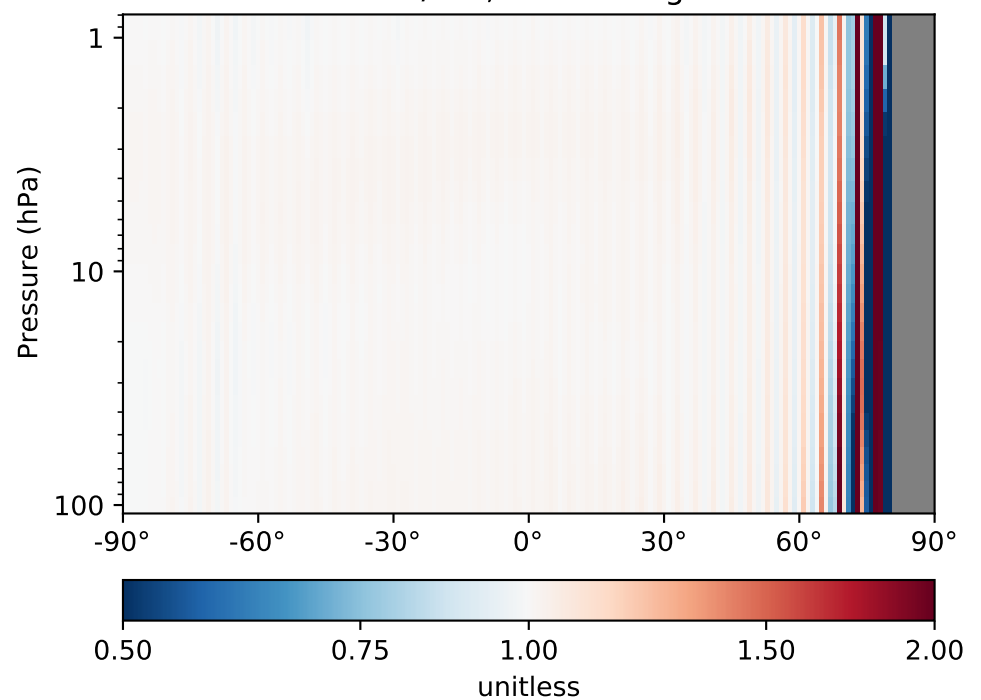
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

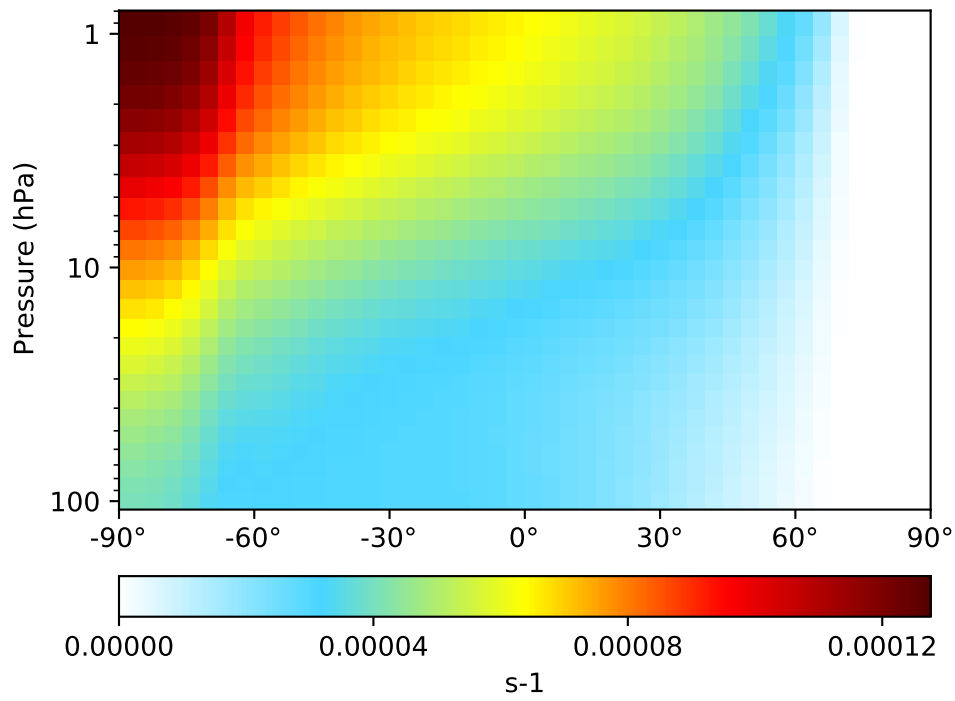


Ratio (1x1.25)
Dev/Ref, Fixed Range

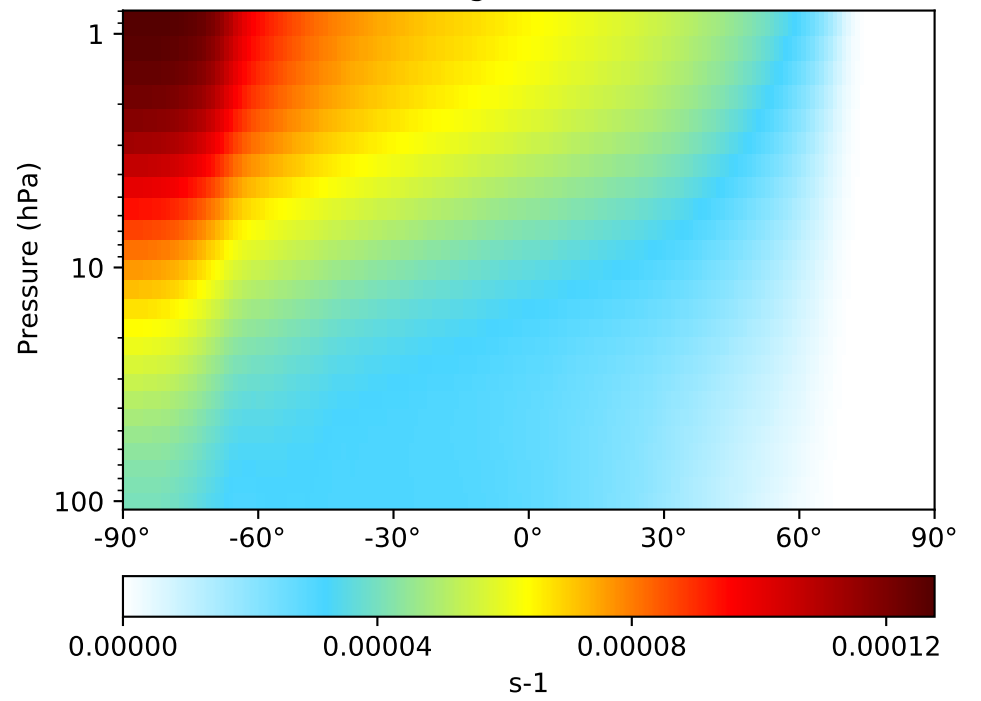


Jval_PROPNN, Zonal Mean (Jan2019)

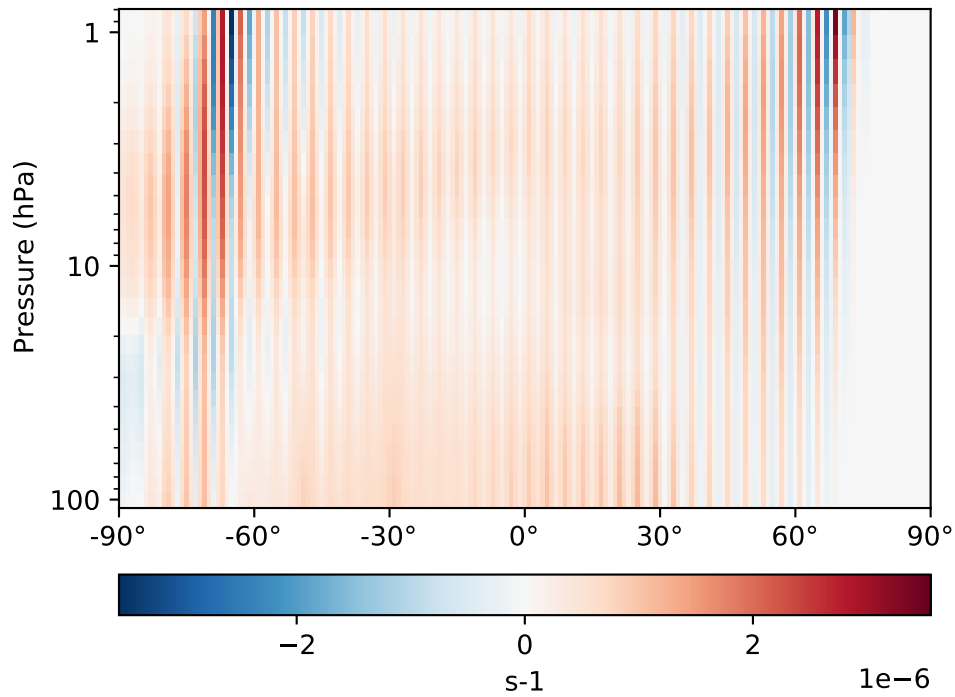
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



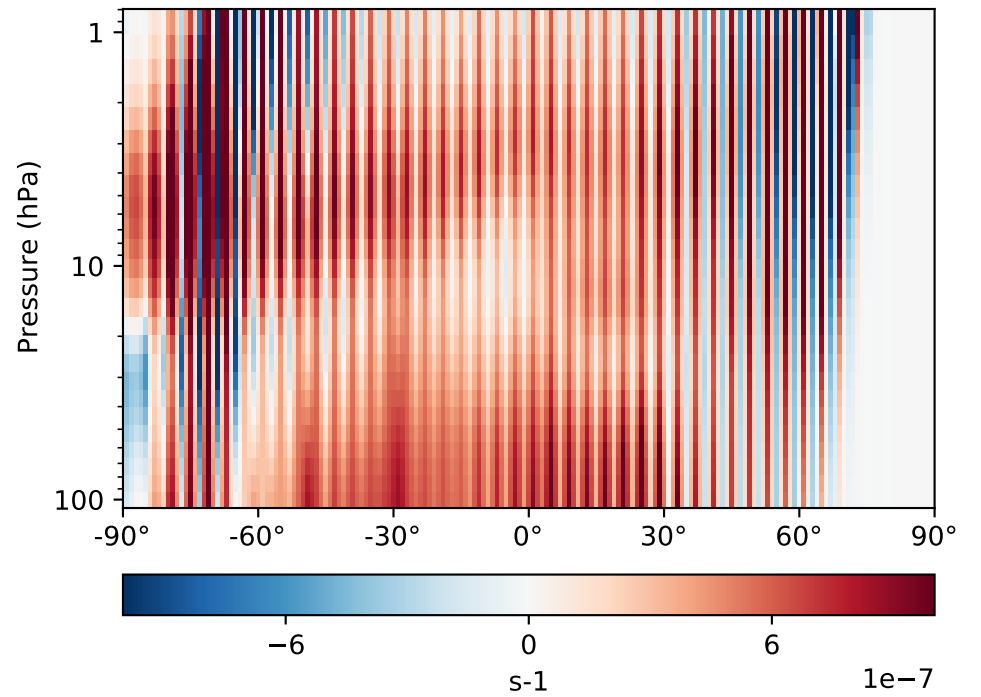
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



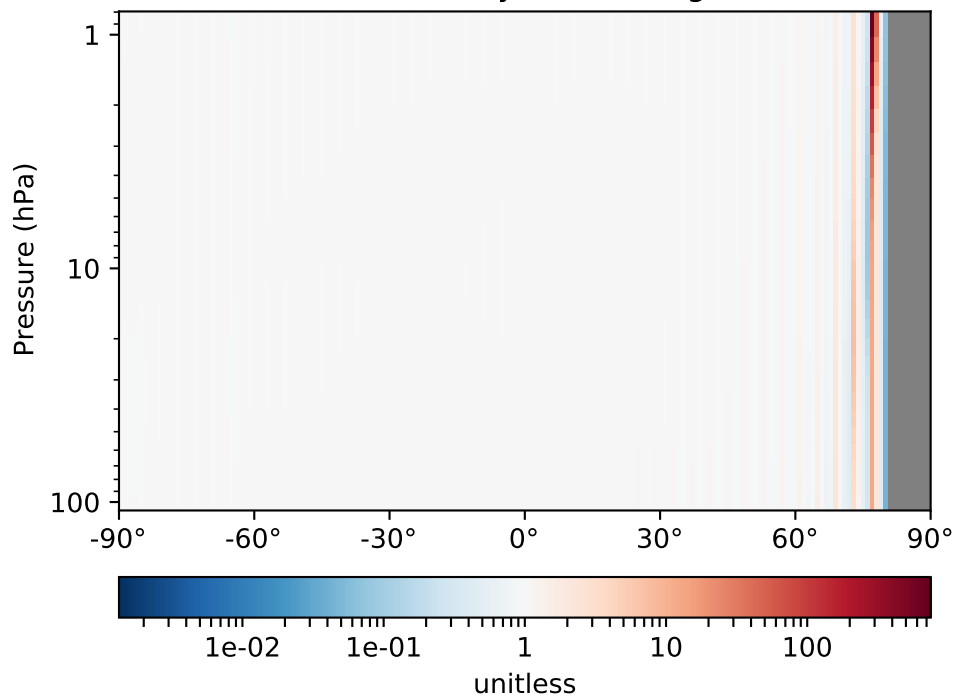
Difference (1x1.25)
Dev - Ref, Dynamic Range



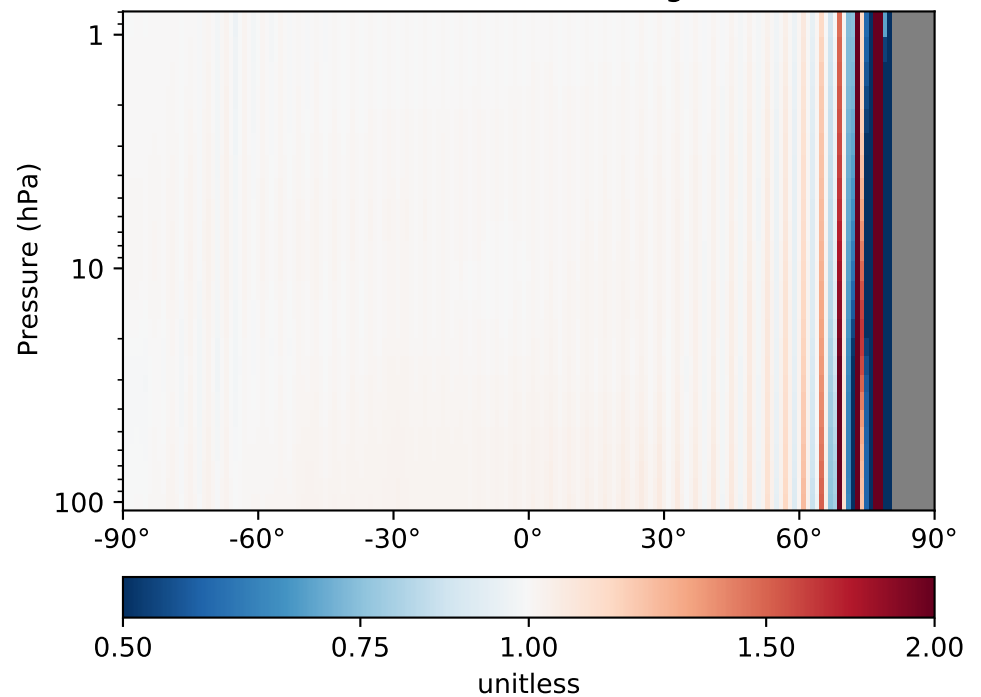
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

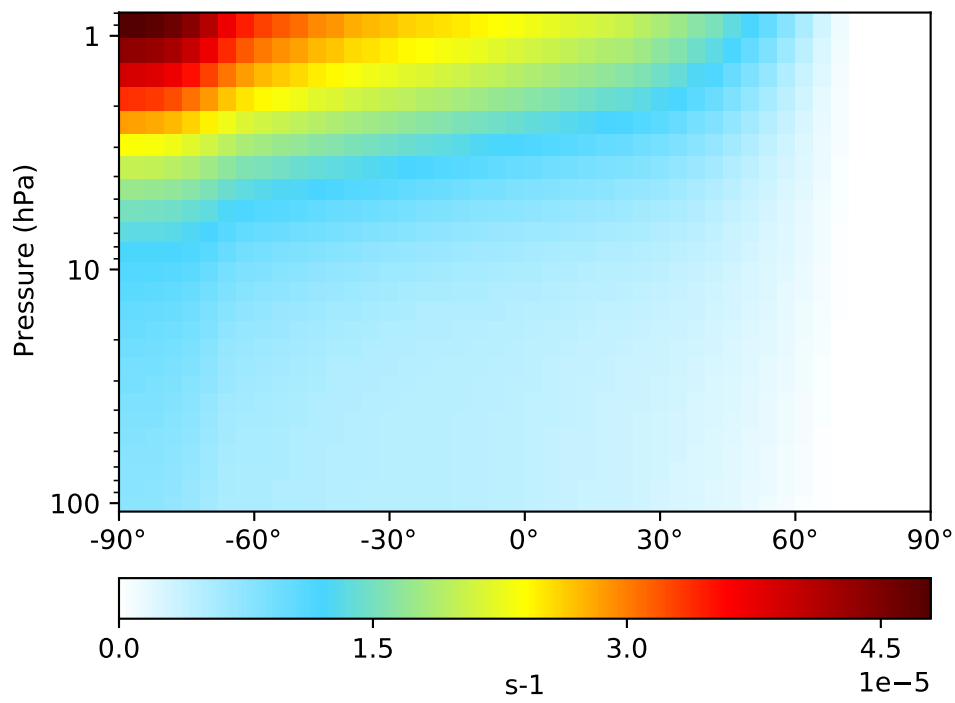


Ratio (1x1.25)
Dev/Ref, Fixed Range

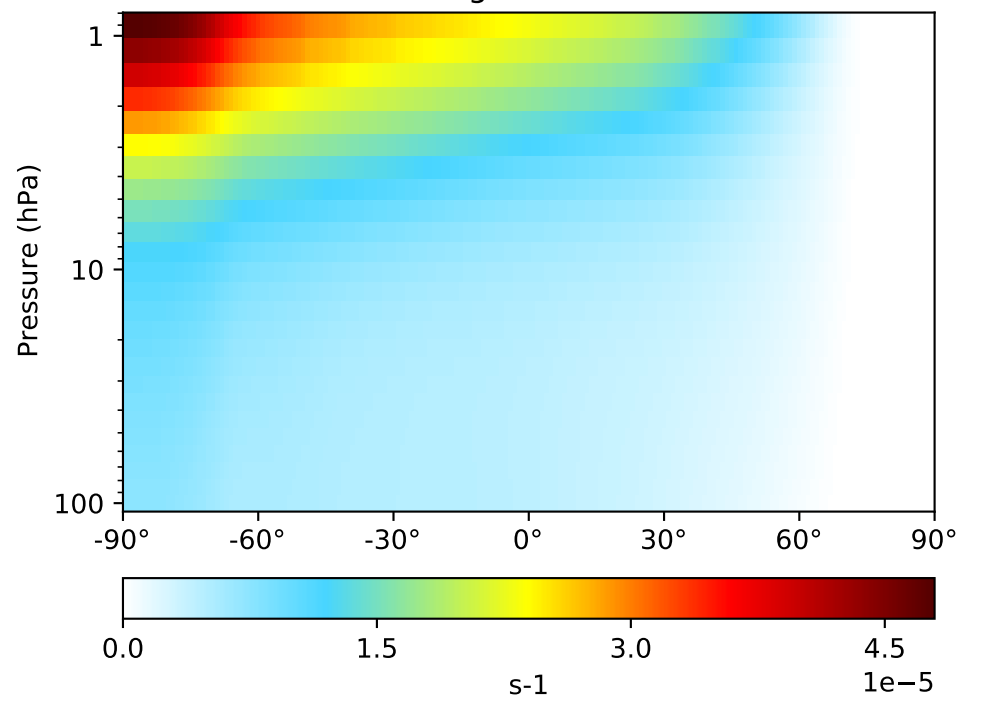


Jval_PRPN, Zonal Mean (Jan2019)

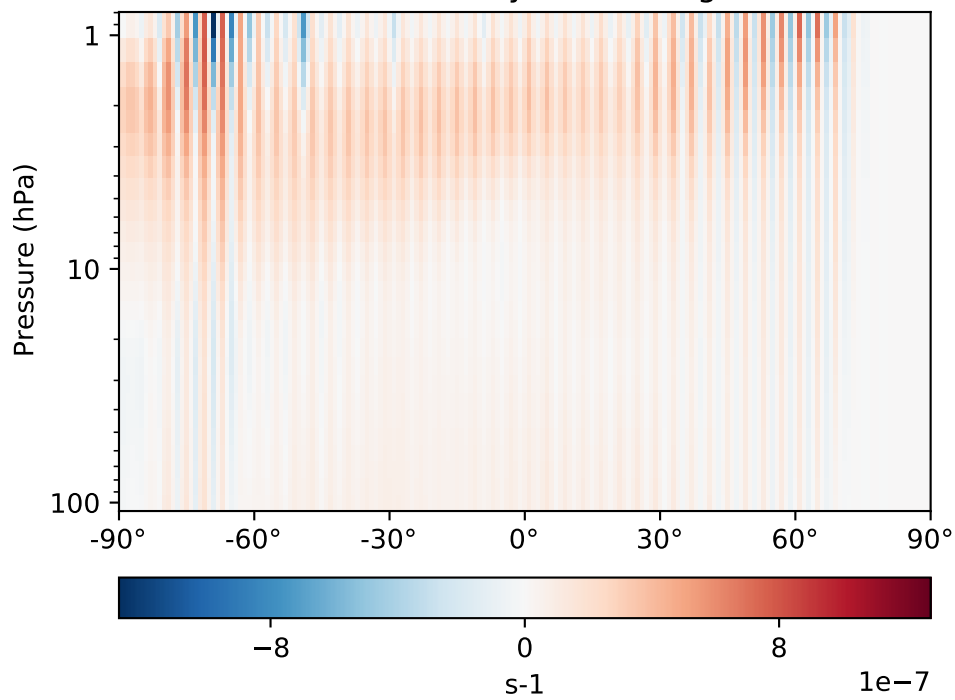
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



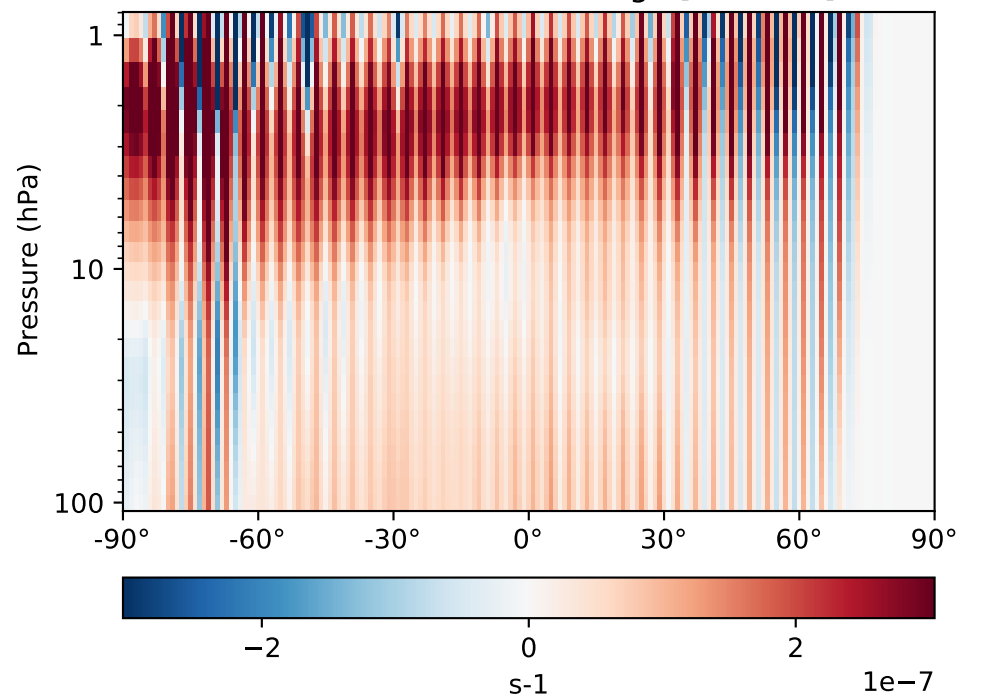
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



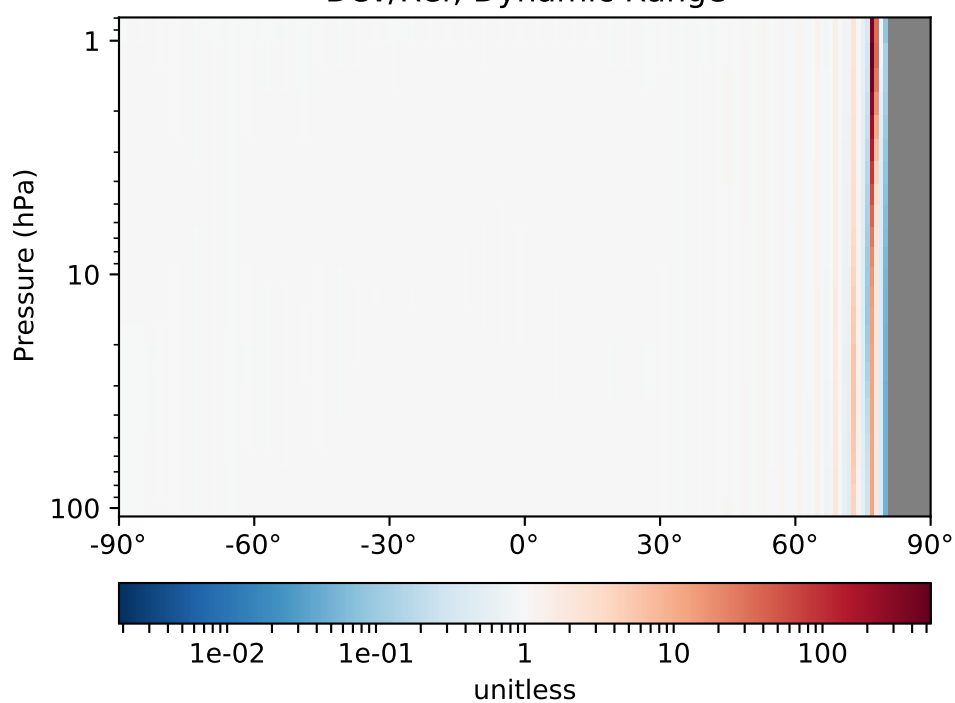
Difference (1x1.25)
Dev - Ref, Dynamic Range



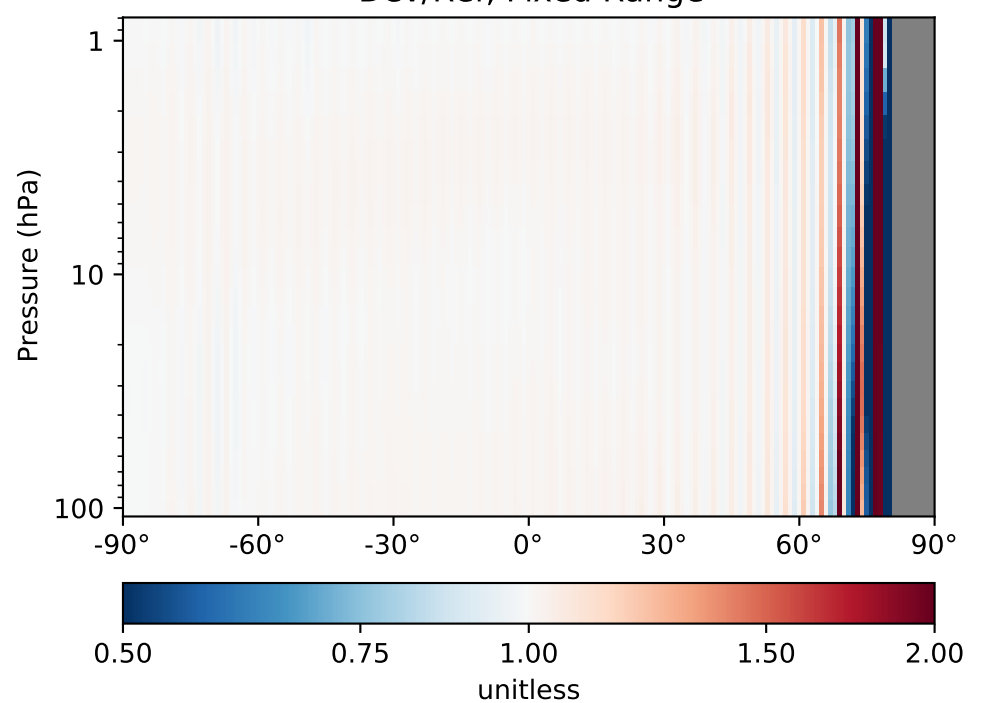
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

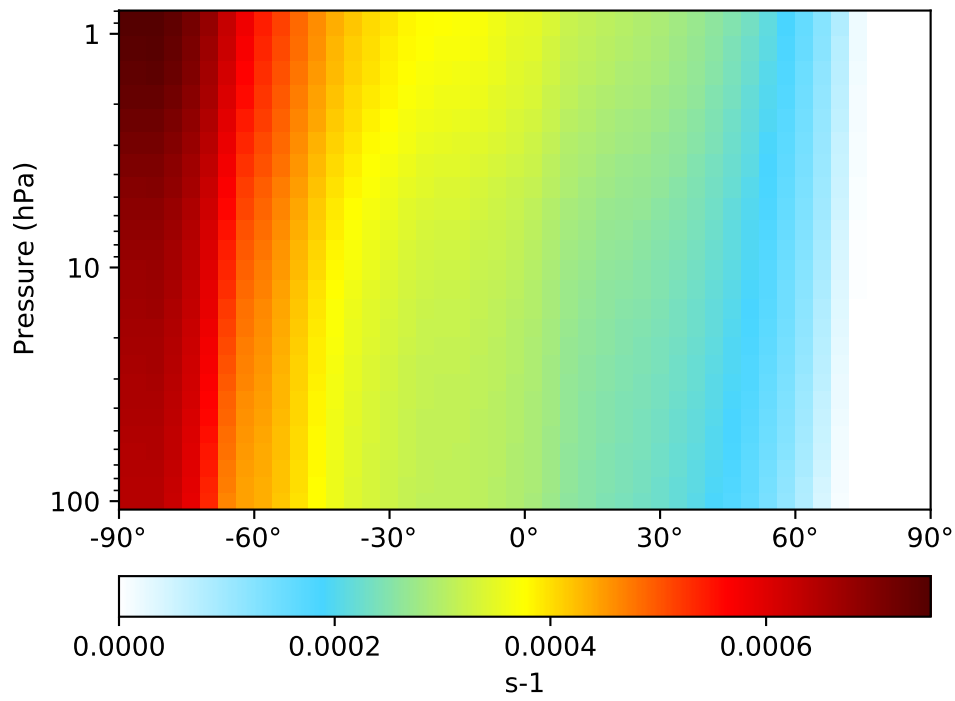


Ratio (1x1.25)
Dev/Ref, Fixed Range

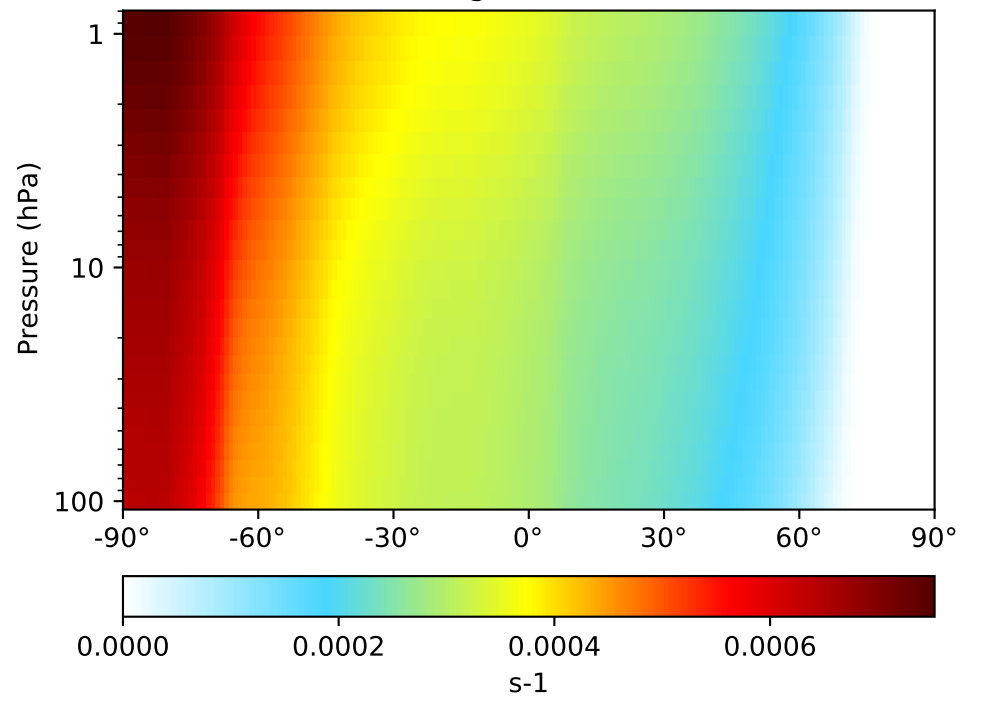


Jval_PYAC, Zonal Mean (Jan2019)

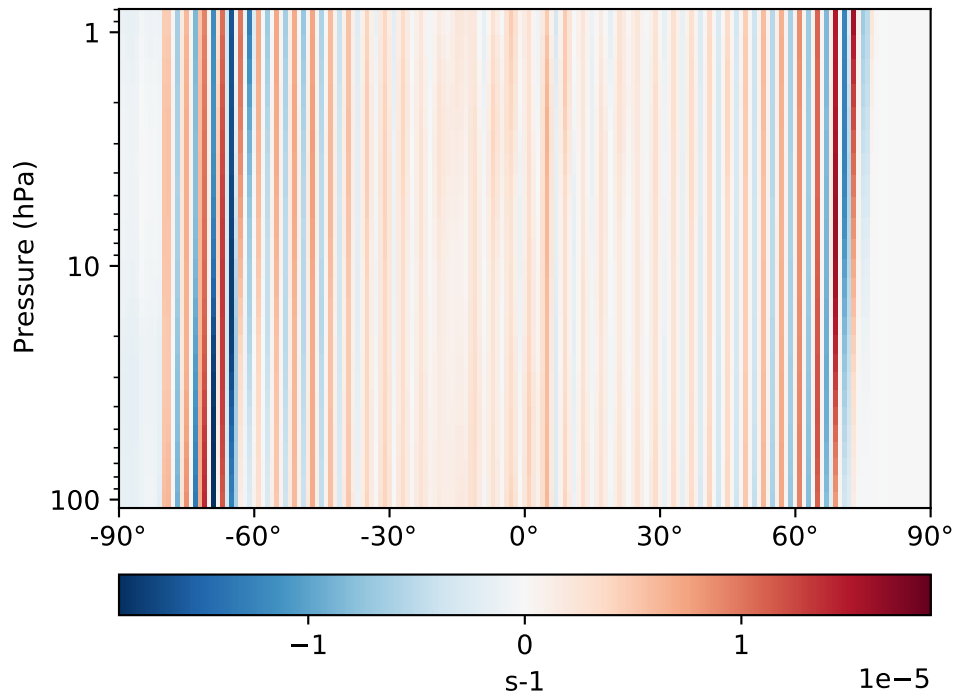
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



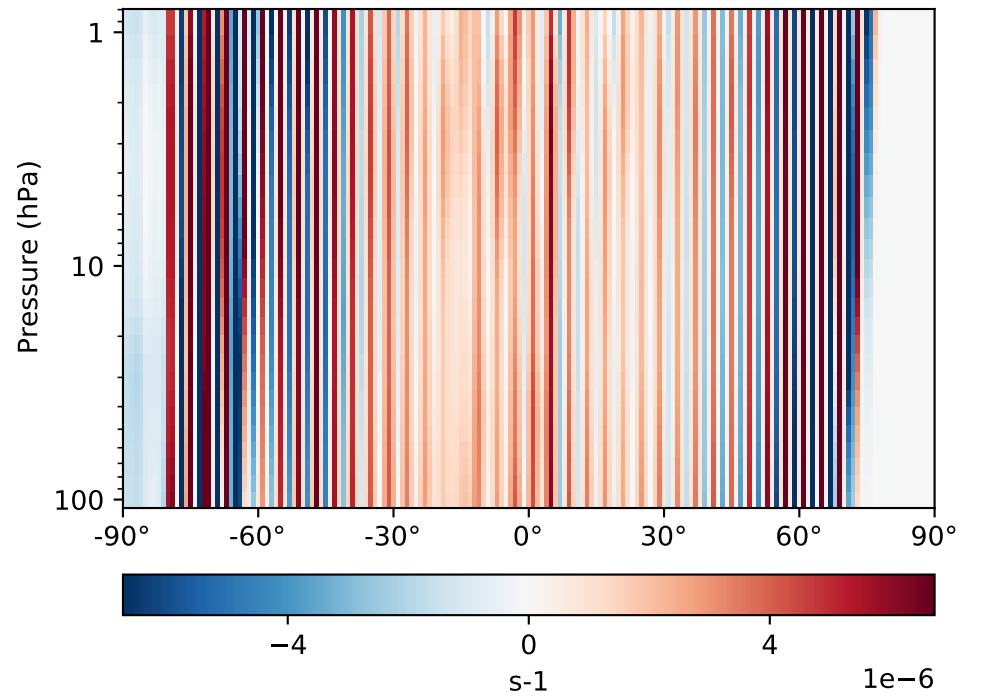
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



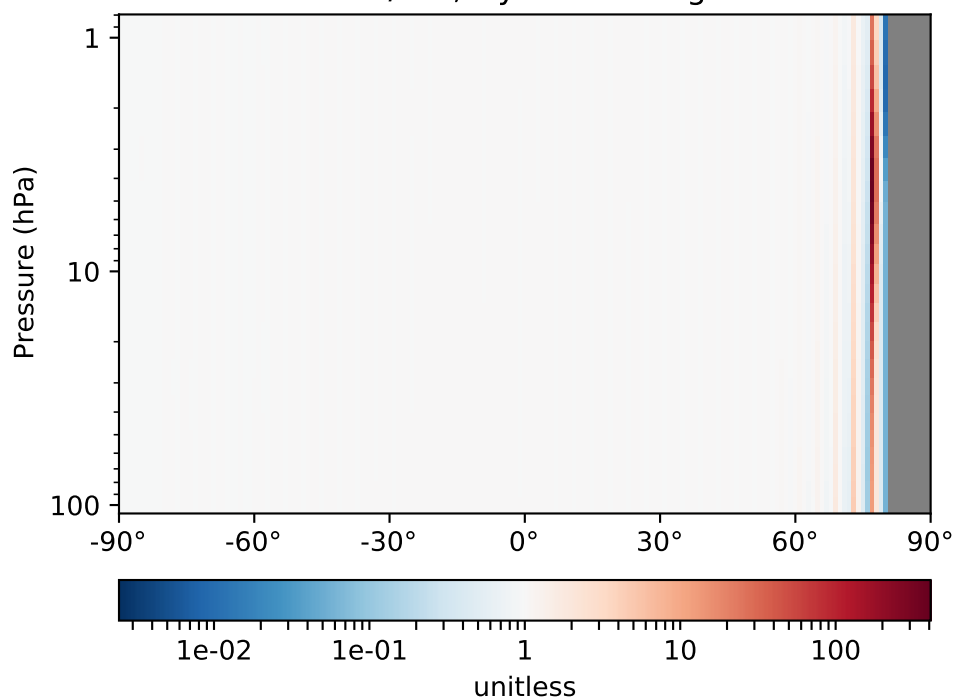
Difference (1x1.25)
Dev - Ref, Dynamic Range



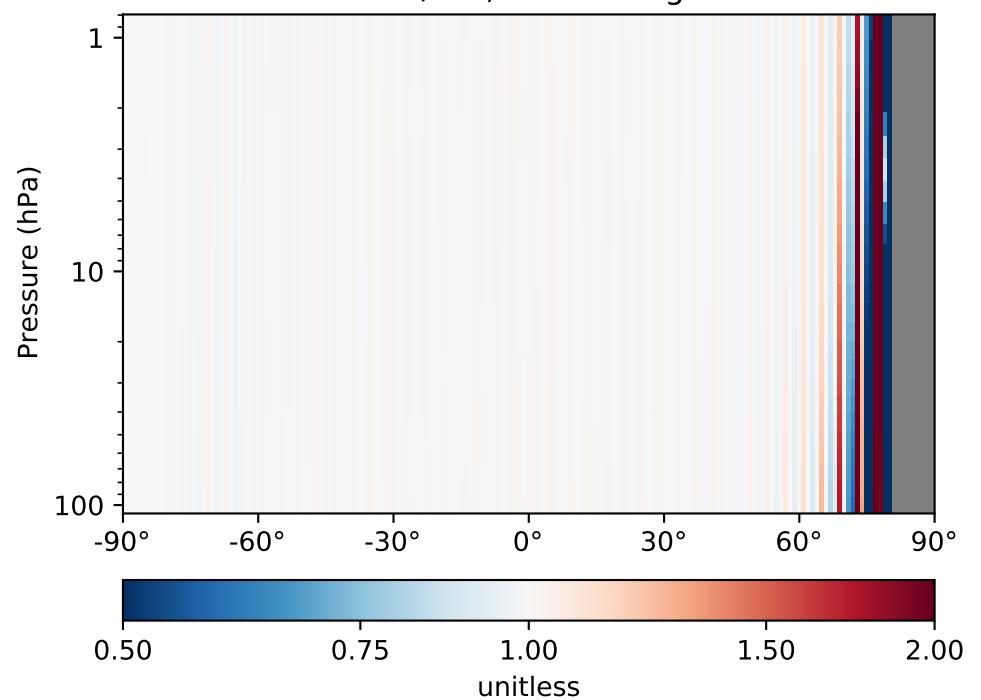
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

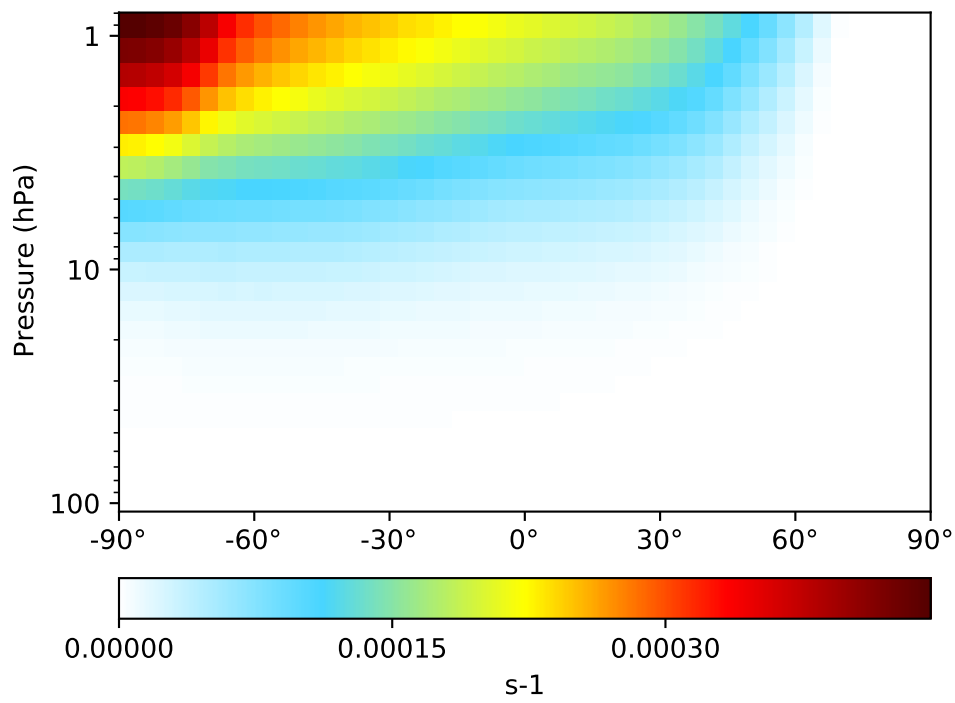


Ratio (1x1.25)
Dev/Ref, Fixed Range

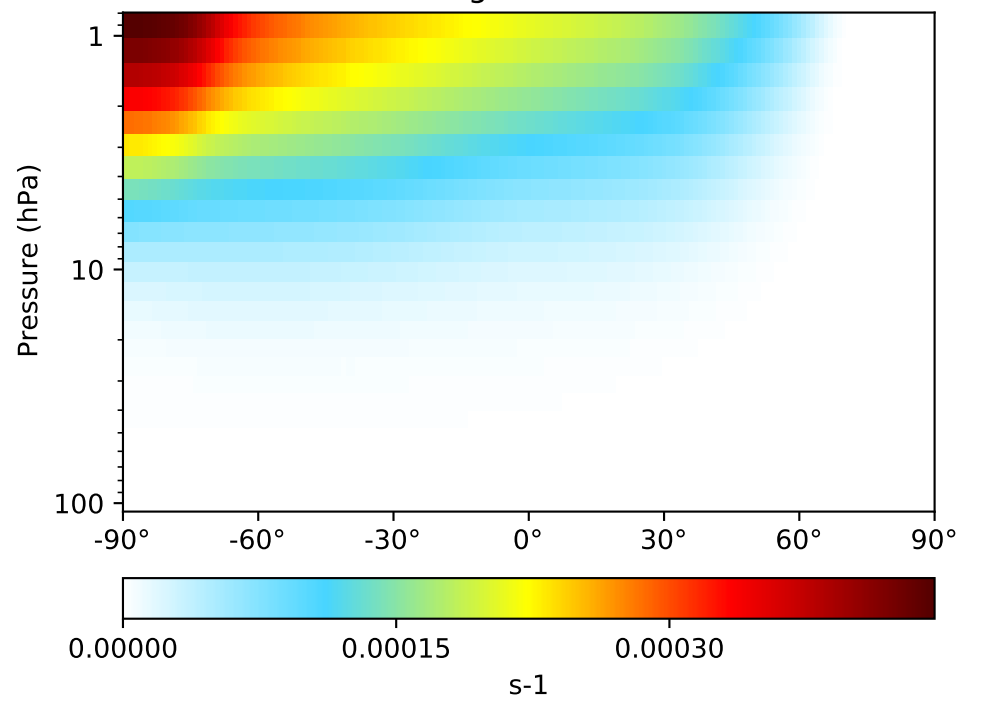


Jval_R4N2, Zonal Mean (Jan2019)

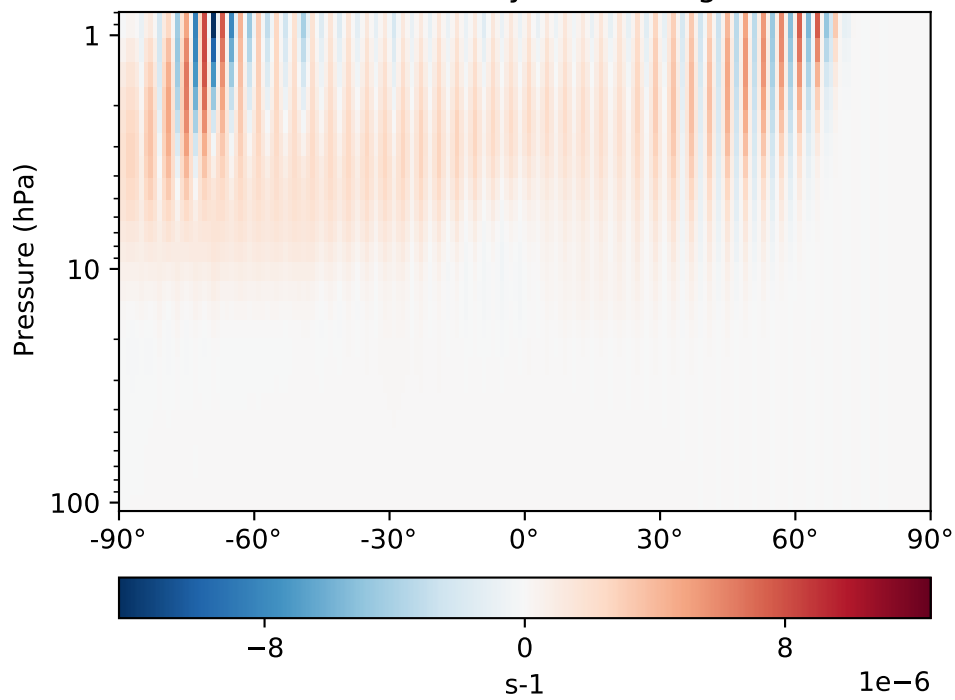
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



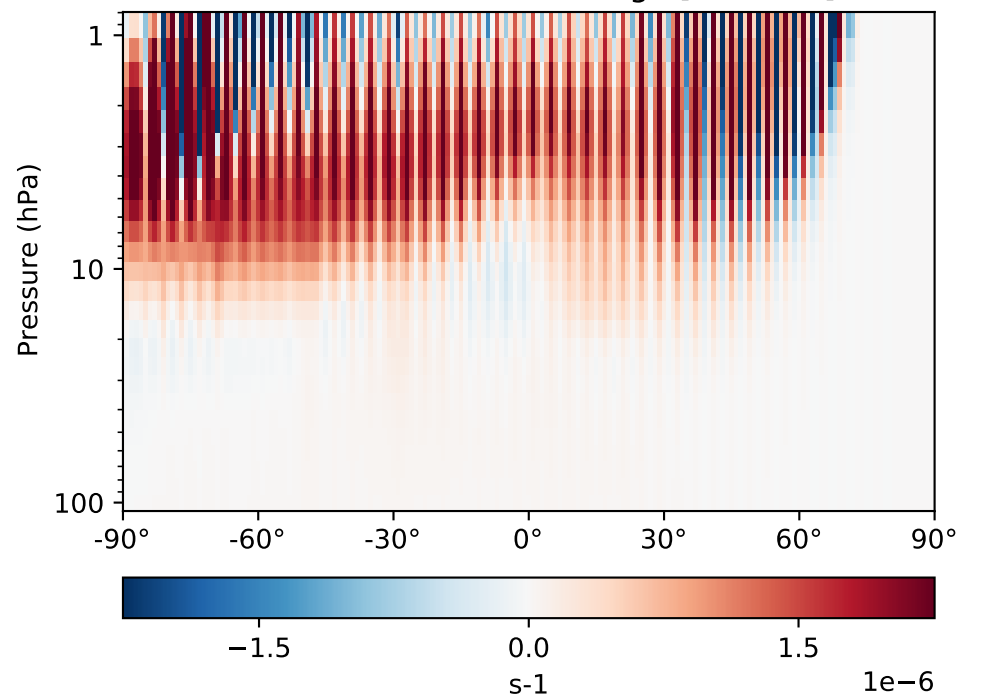
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



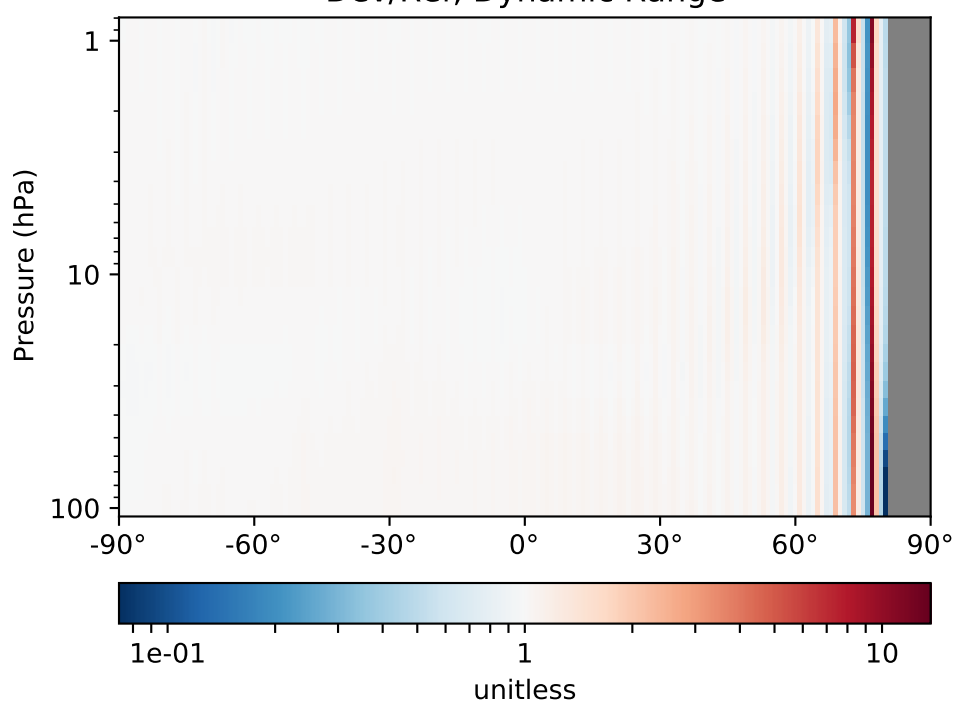
Difference (1x1.25)
Dev - Ref, Dynamic Range



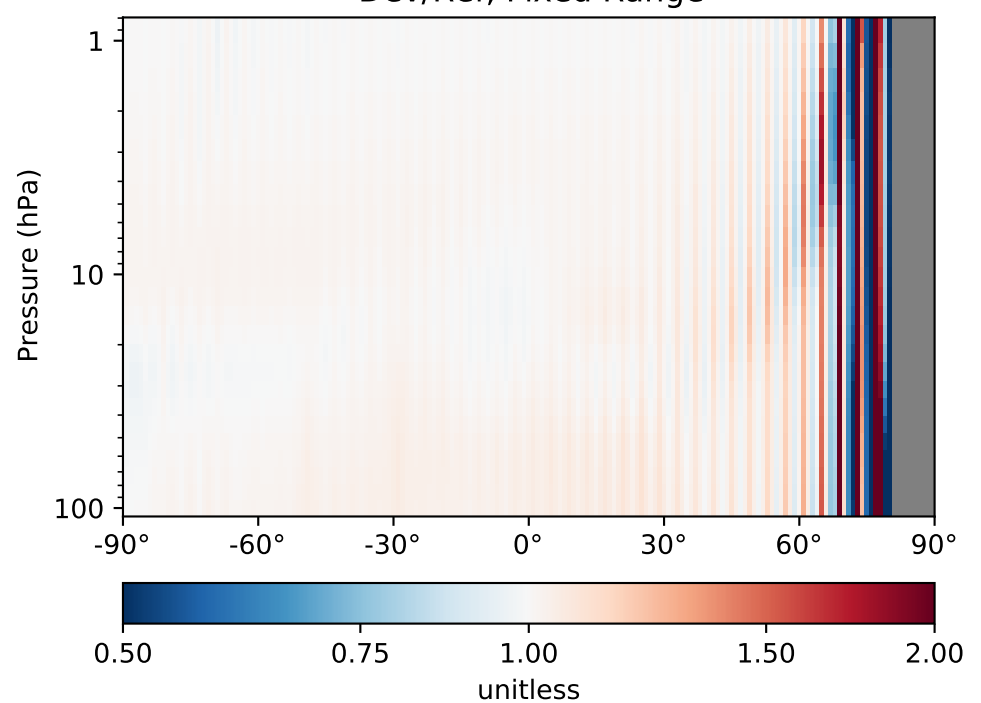
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

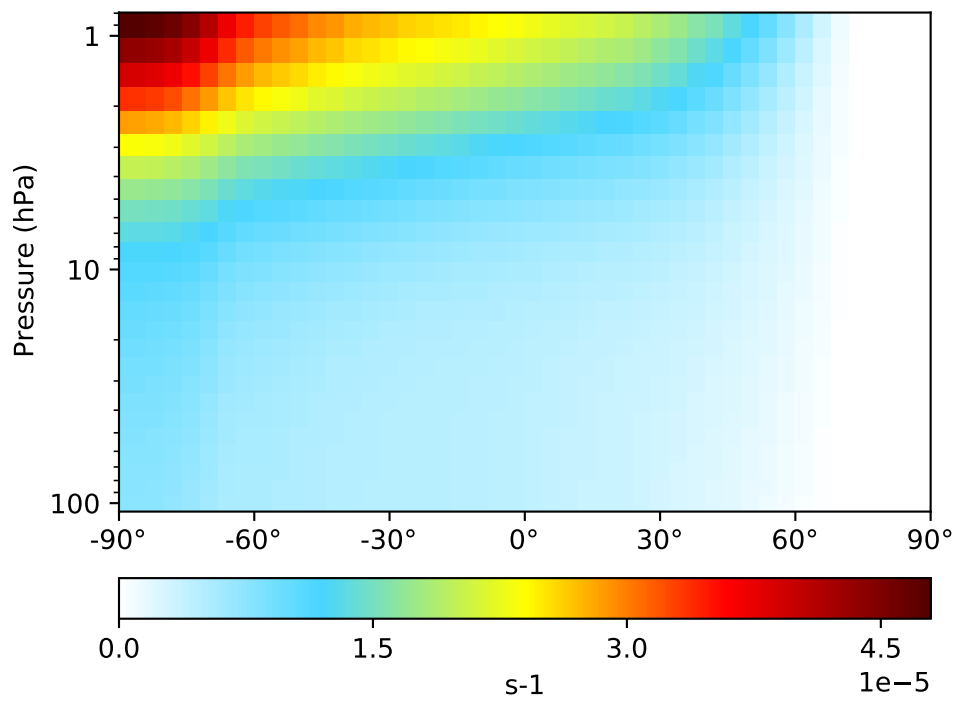


Ratio (1x1.25)
Dev/Ref, Fixed Range

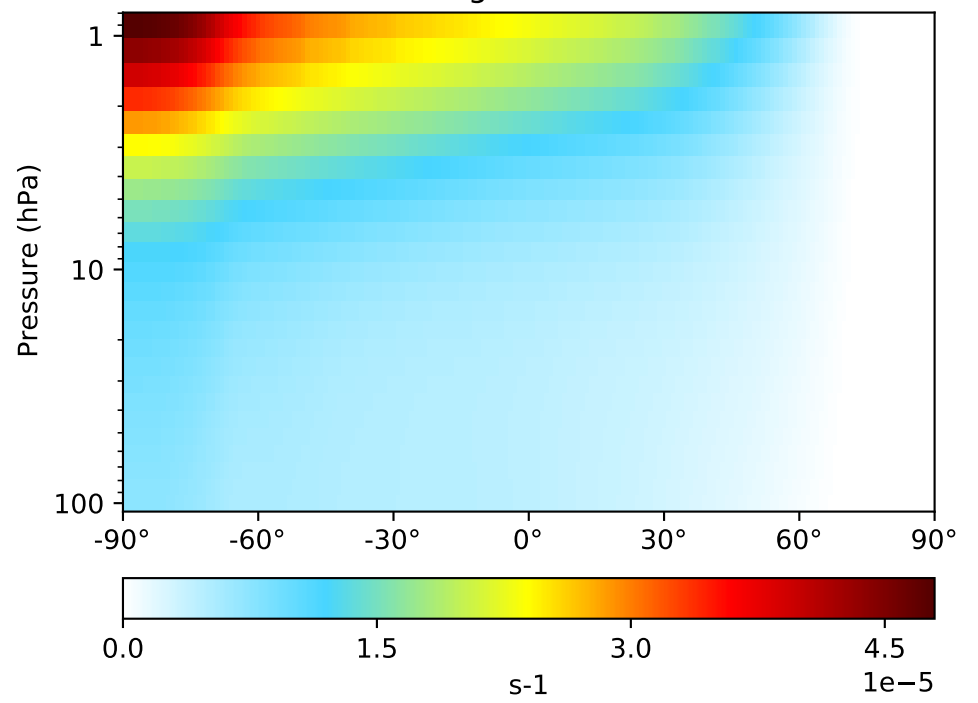


Jval_R4P, Zonal Mean (Jan2019)

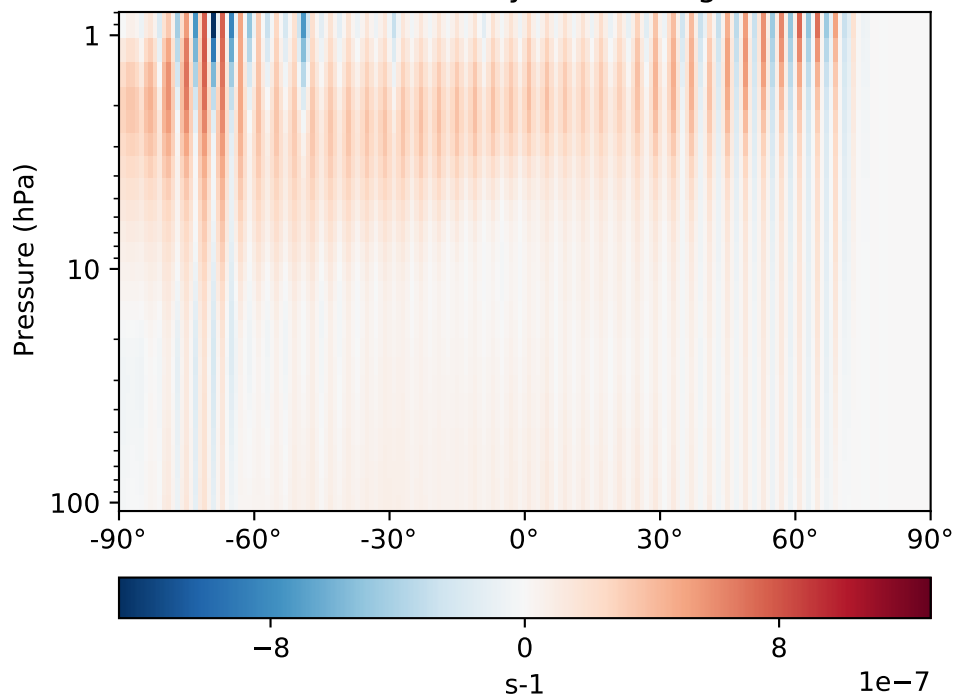
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



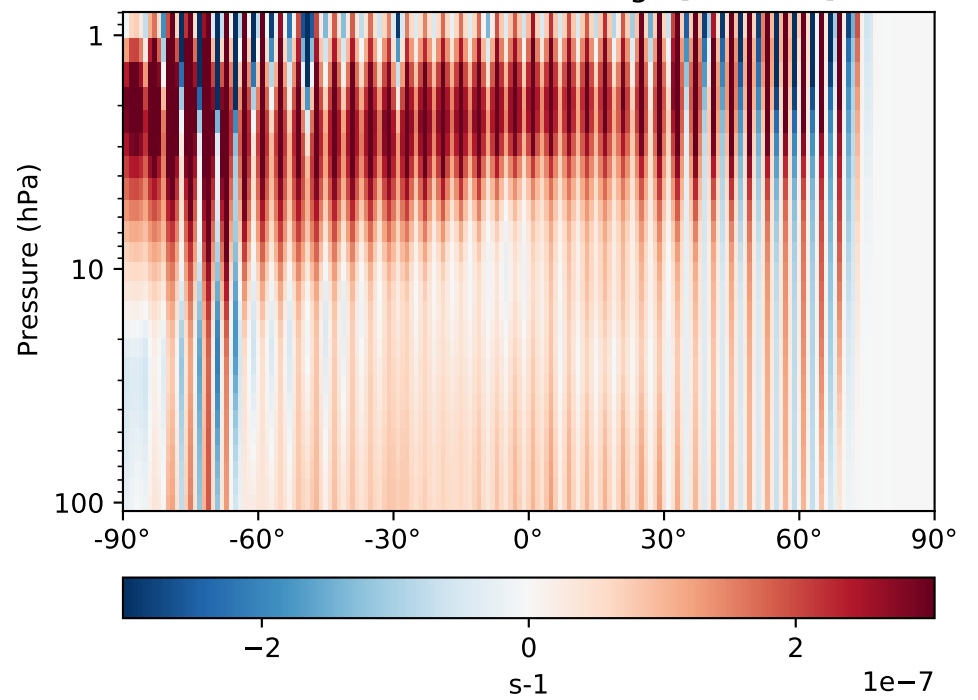
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



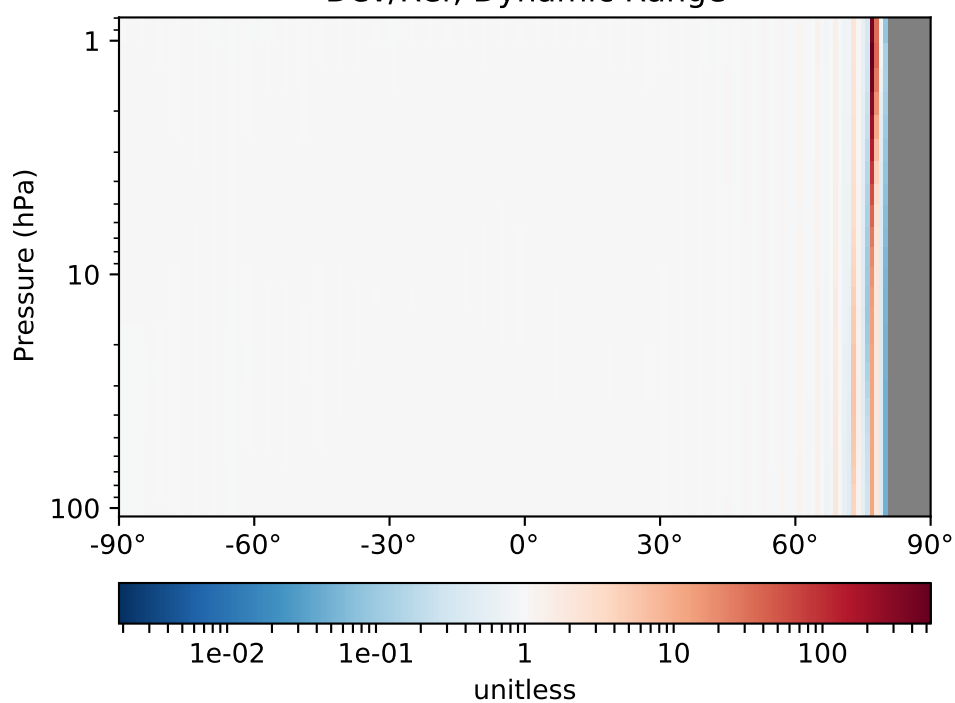
Difference (1x1.25)
Dev - Ref, Dynamic Range



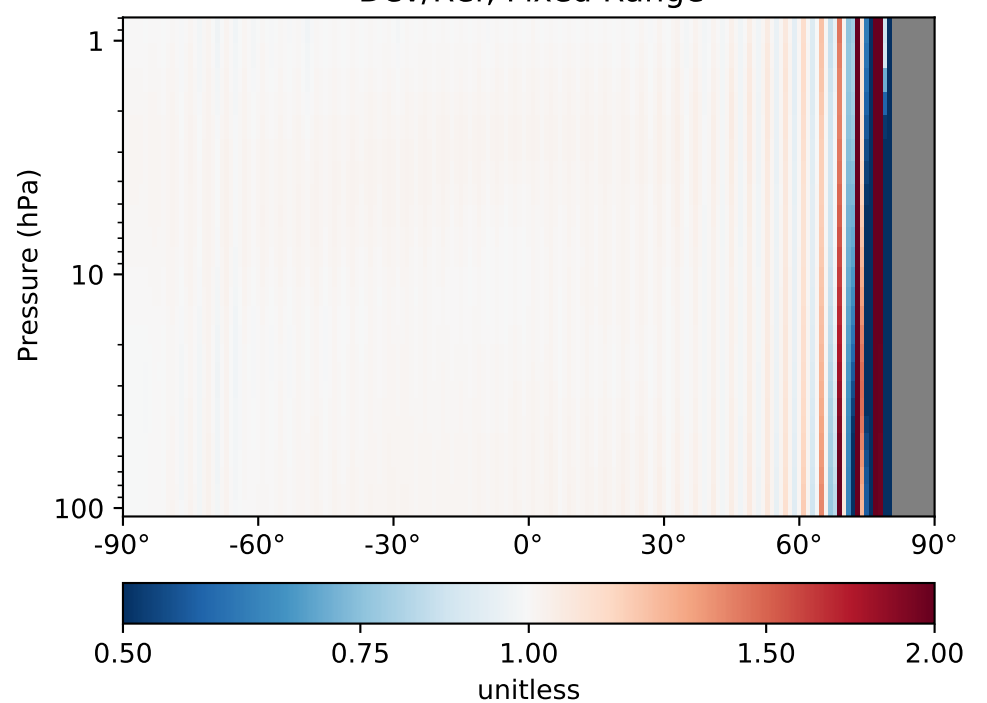
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

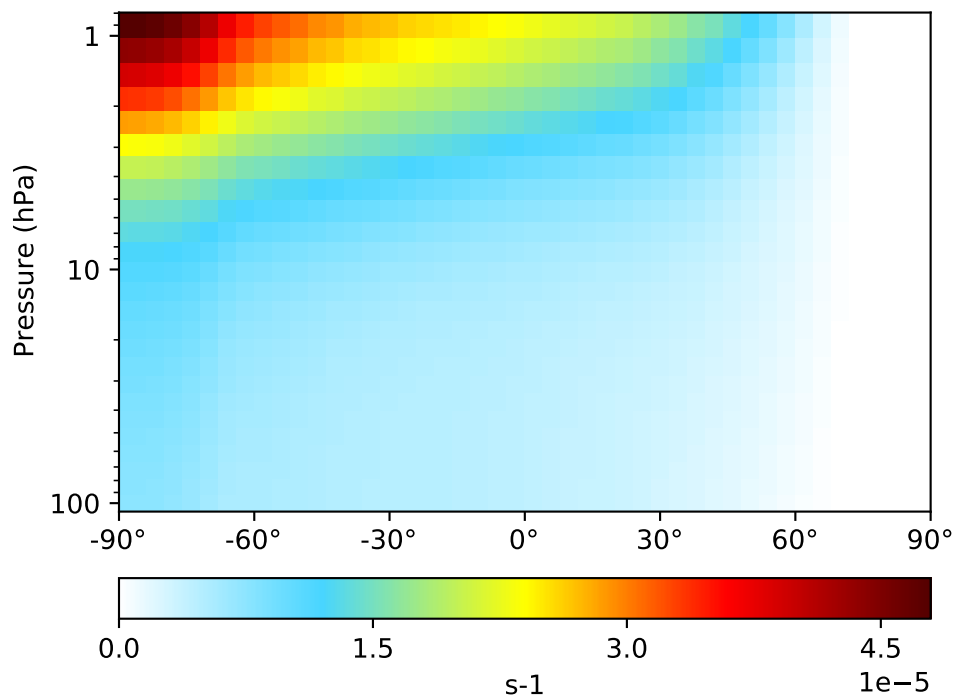


Ratio (1x1.25)
Dev/Ref, Fixed Range

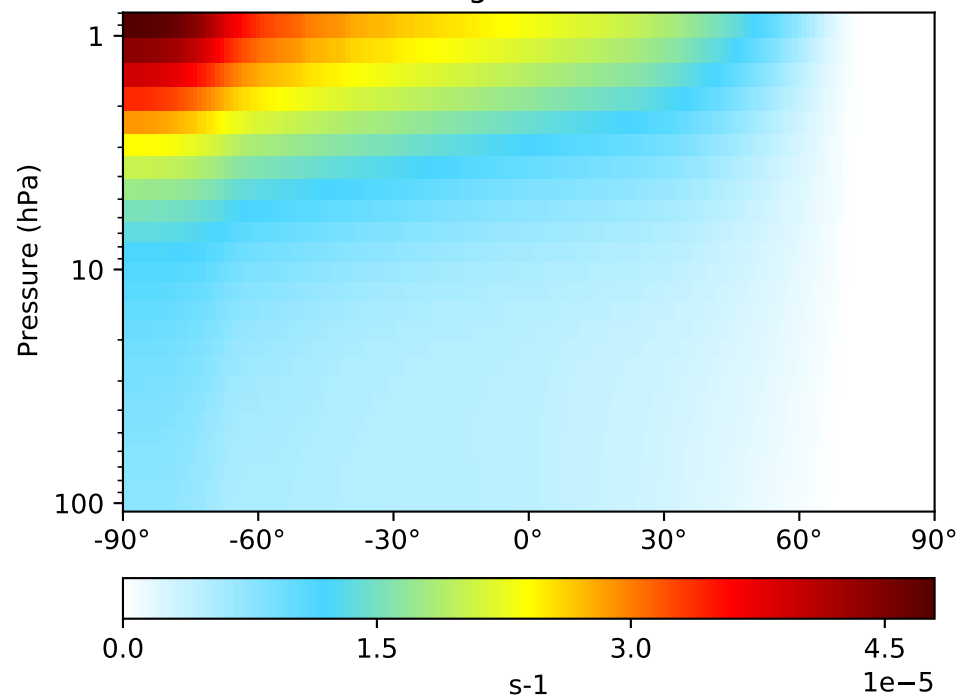


Jval_RA3P, Zonal Mean (Jan2019)

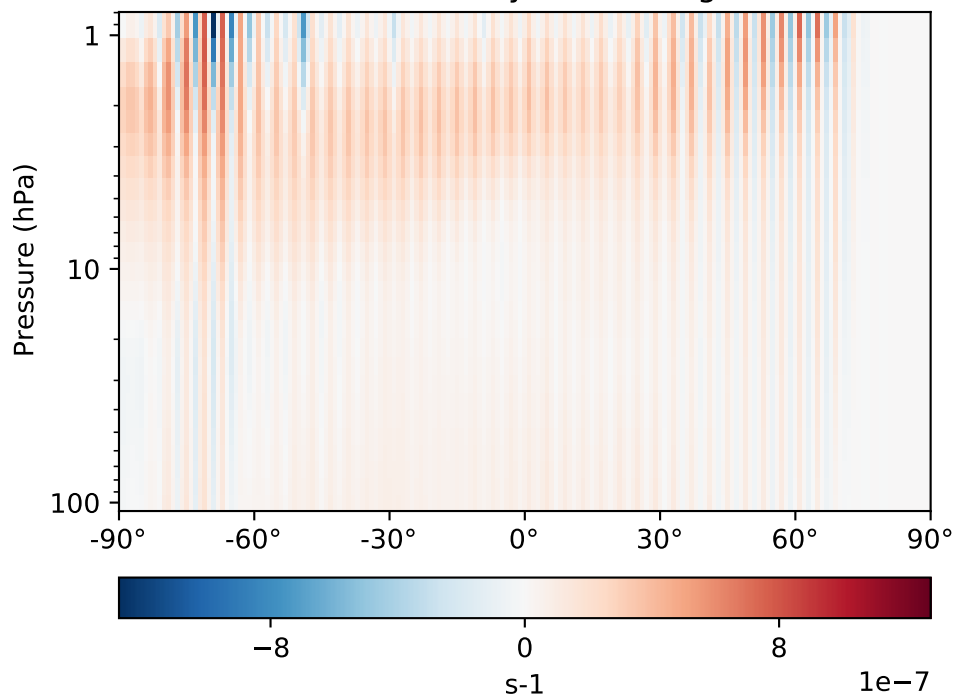
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



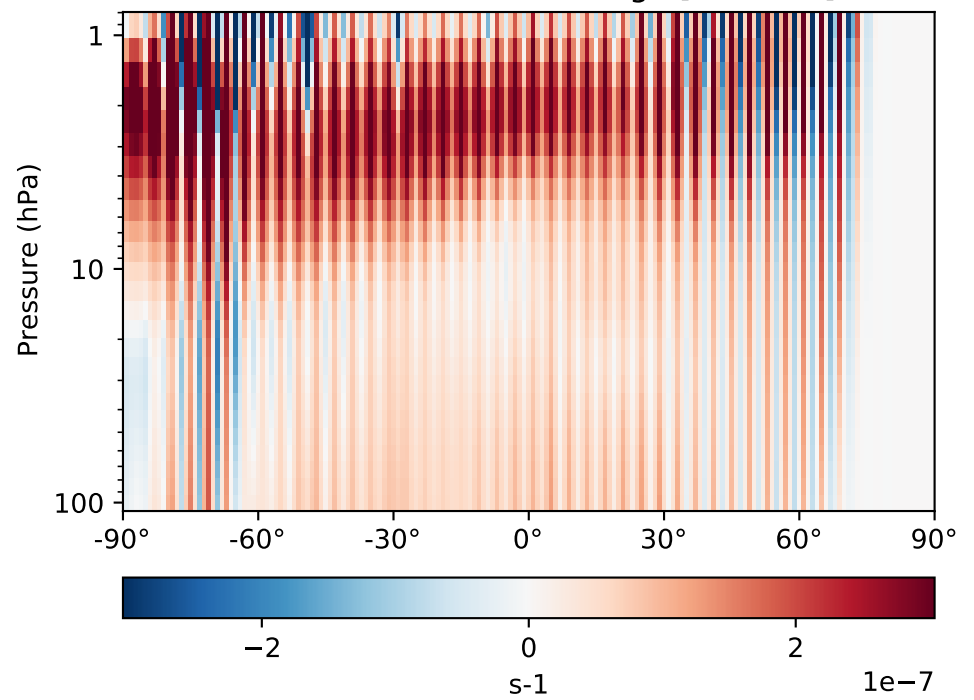
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



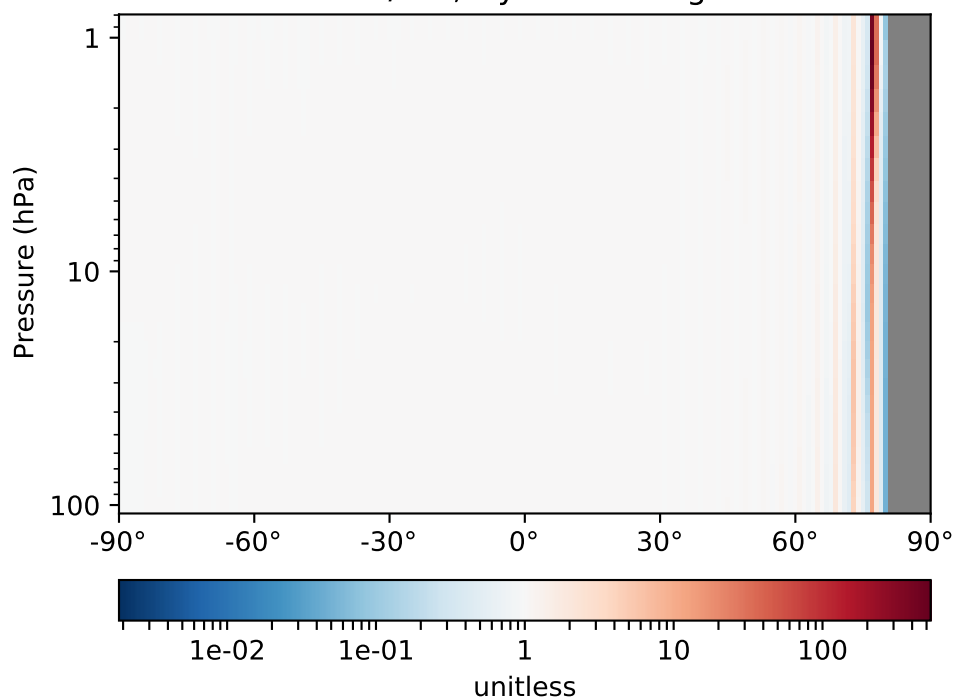
Difference (1x1.25)
Dev - Ref, Dynamic Range



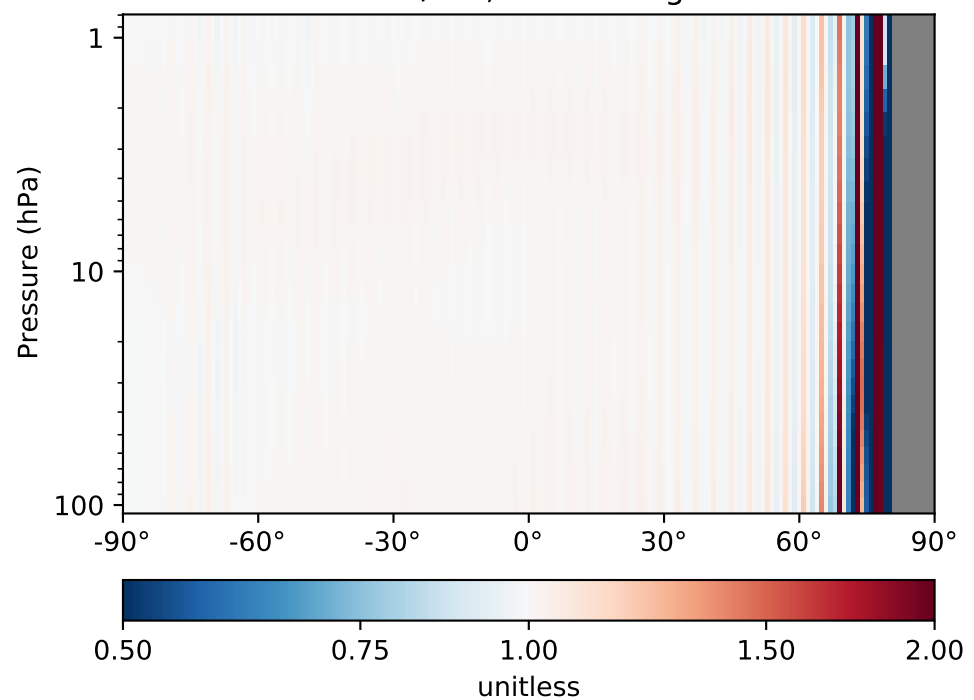
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

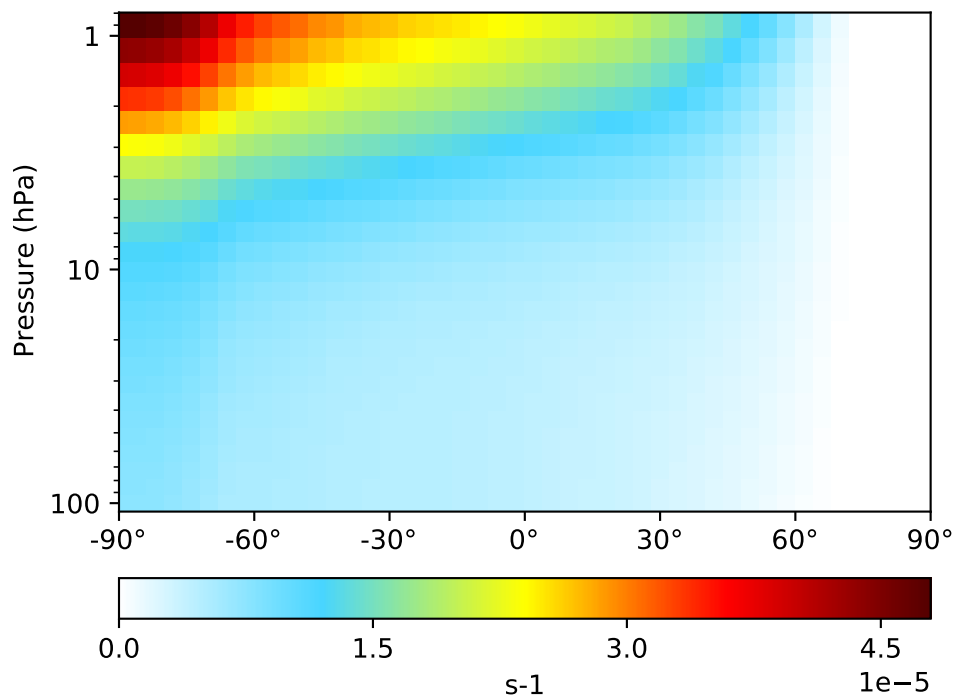


Ratio (1x1.25)
Dev/Ref, Fixed Range

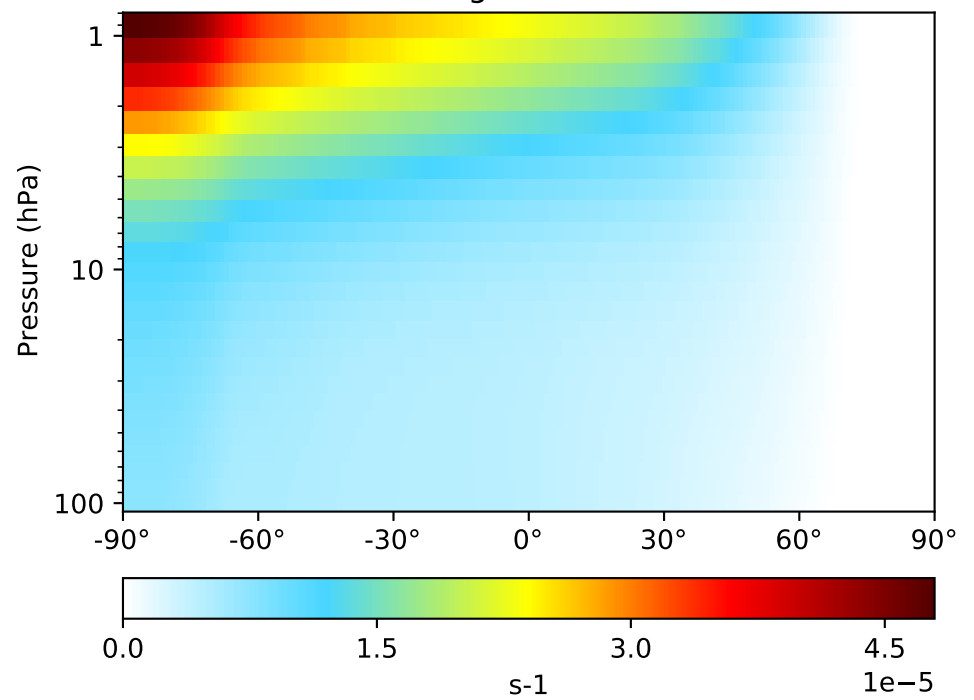


Jval_RB3P, Zonal Mean (Jan2019)

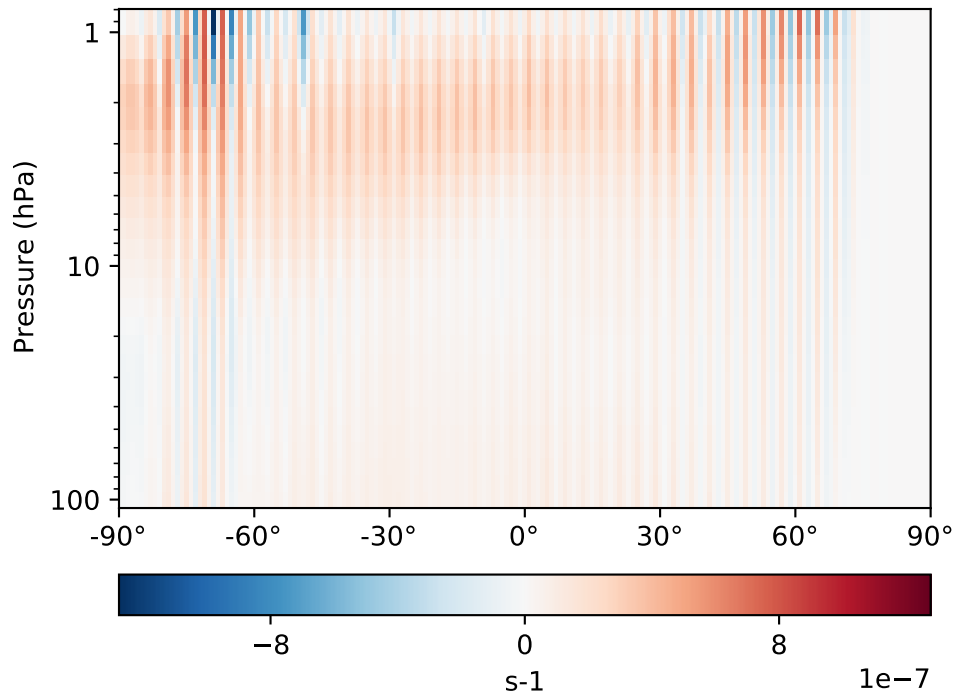
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



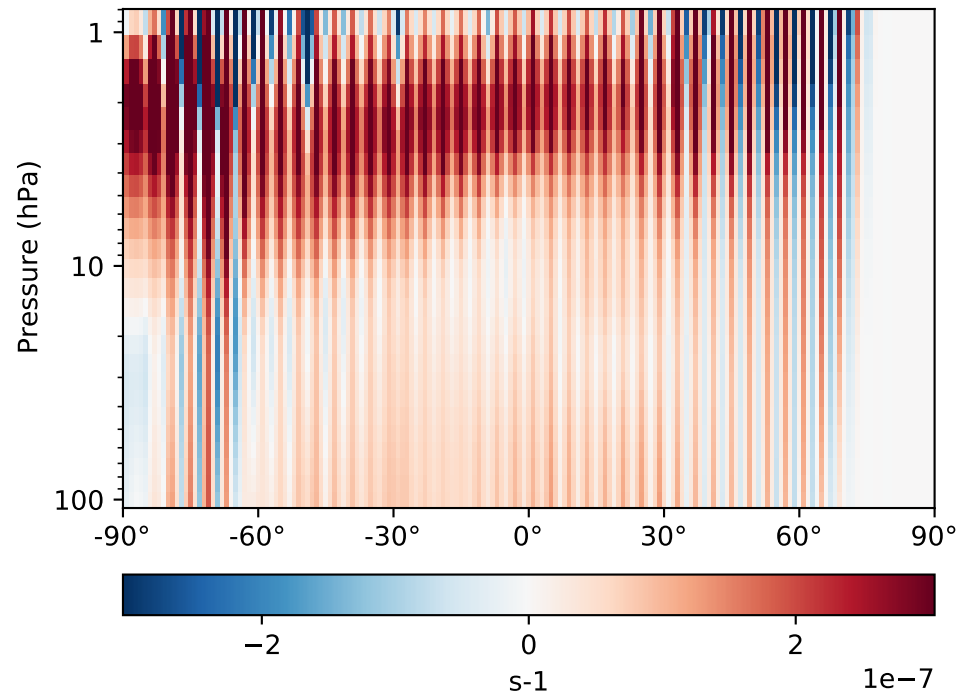
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



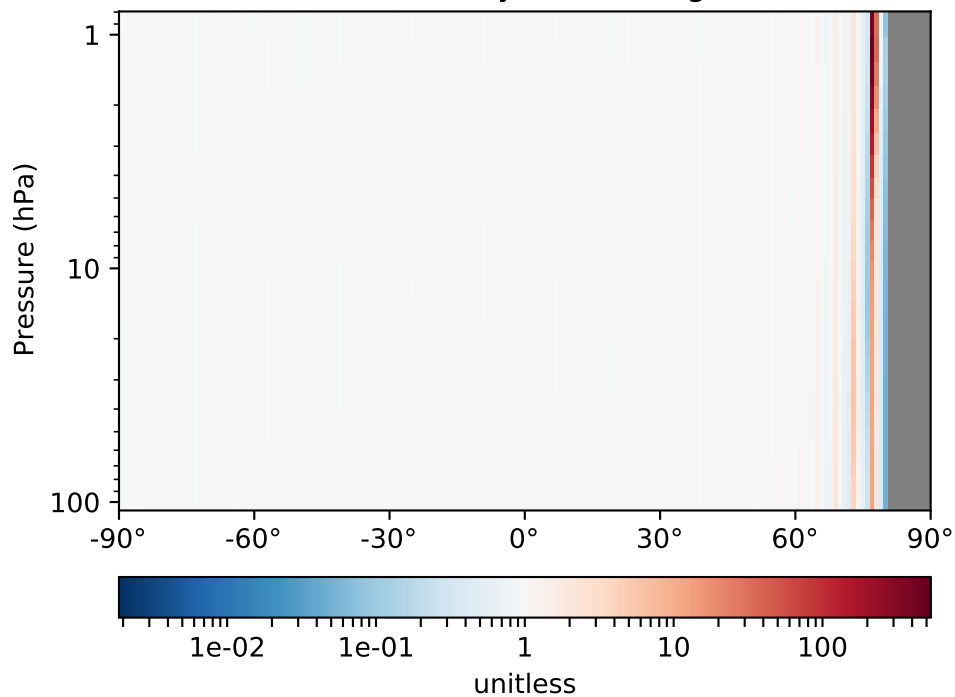
Difference (1x1.25)
Dev - Ref, Dynamic Range



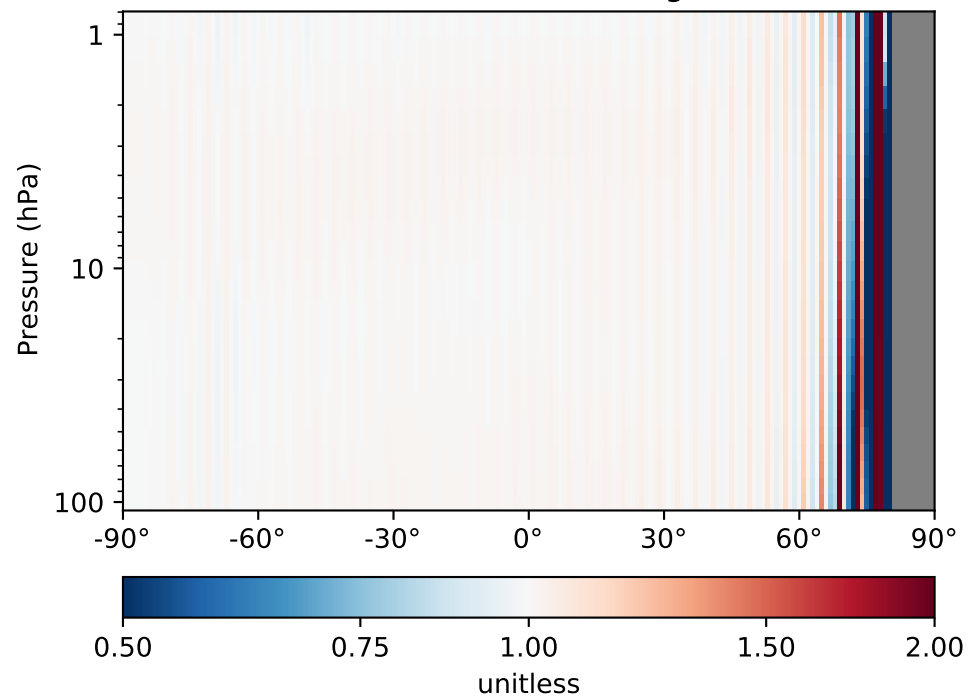
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

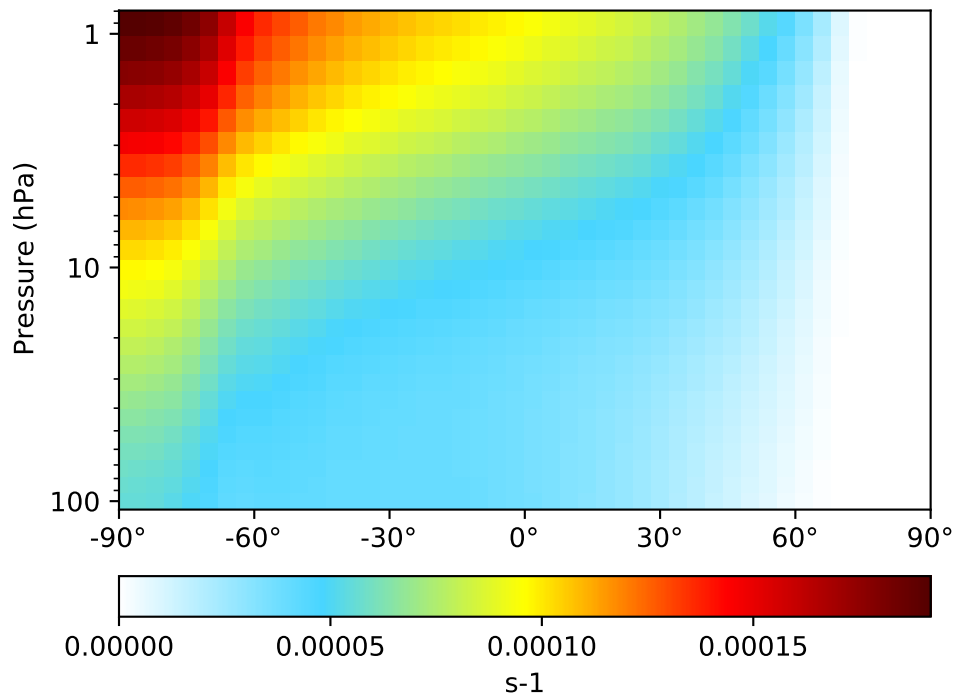


Ratio (1x1.25)
Dev/Ref, Fixed Range

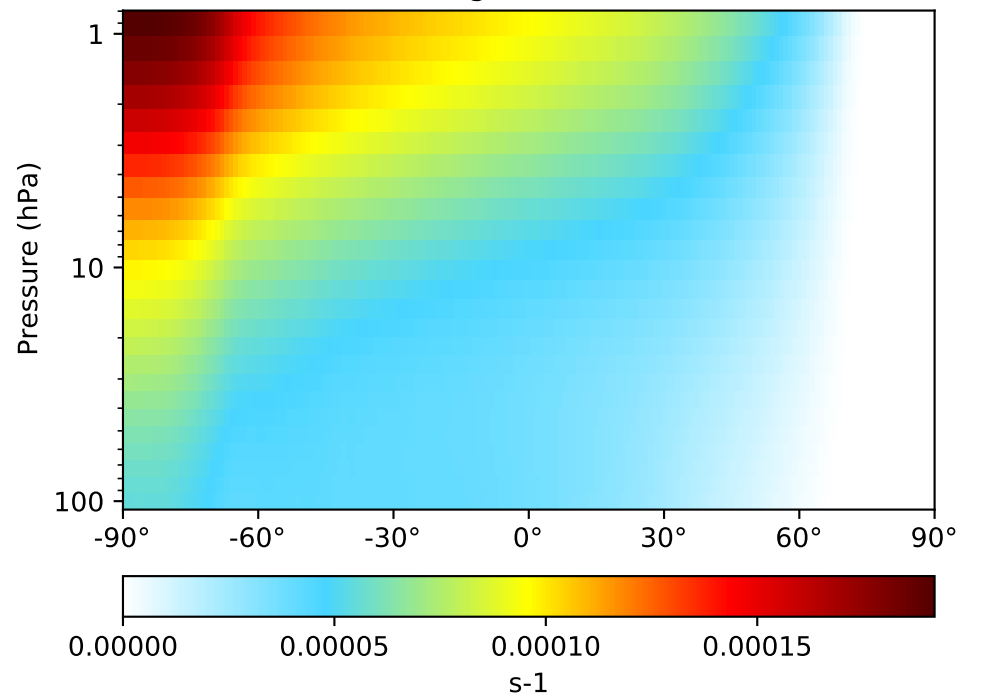


Jval_RCHO, Zonal Mean (Jan2019)

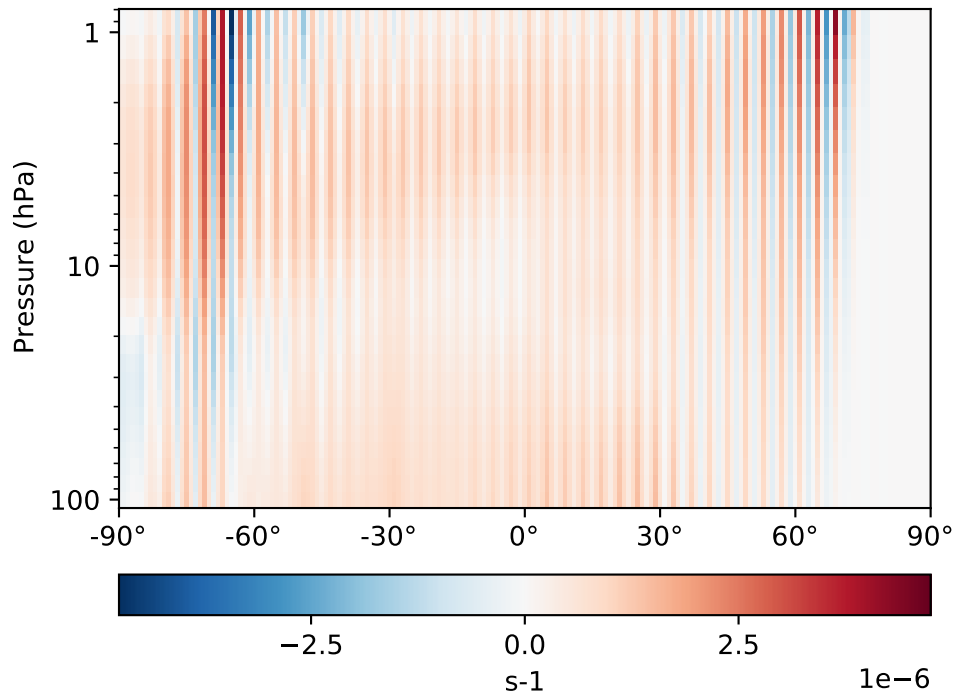
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



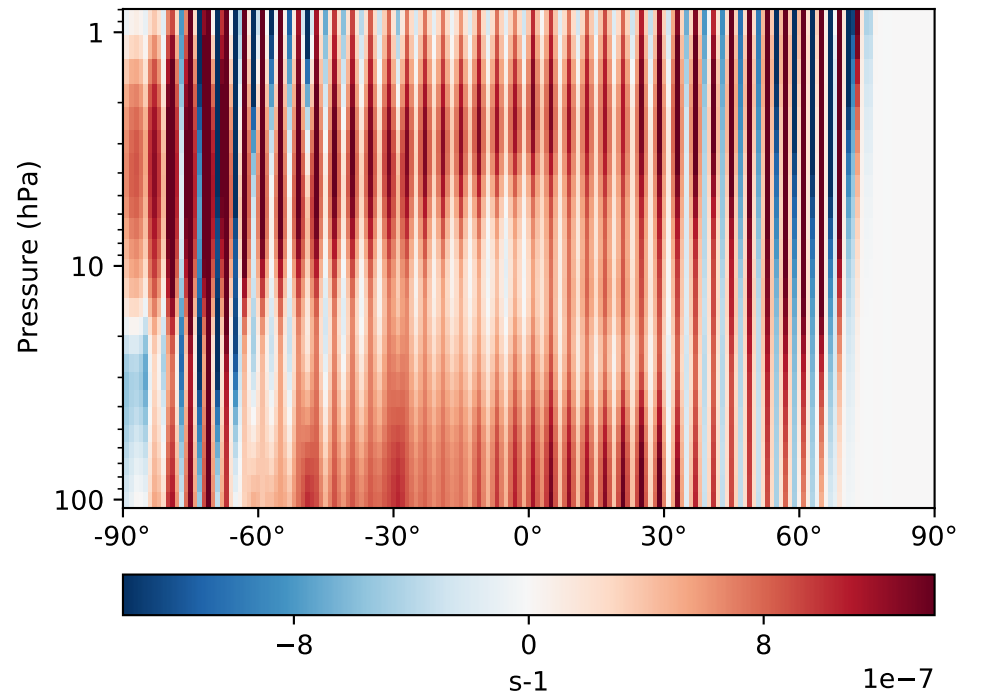
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



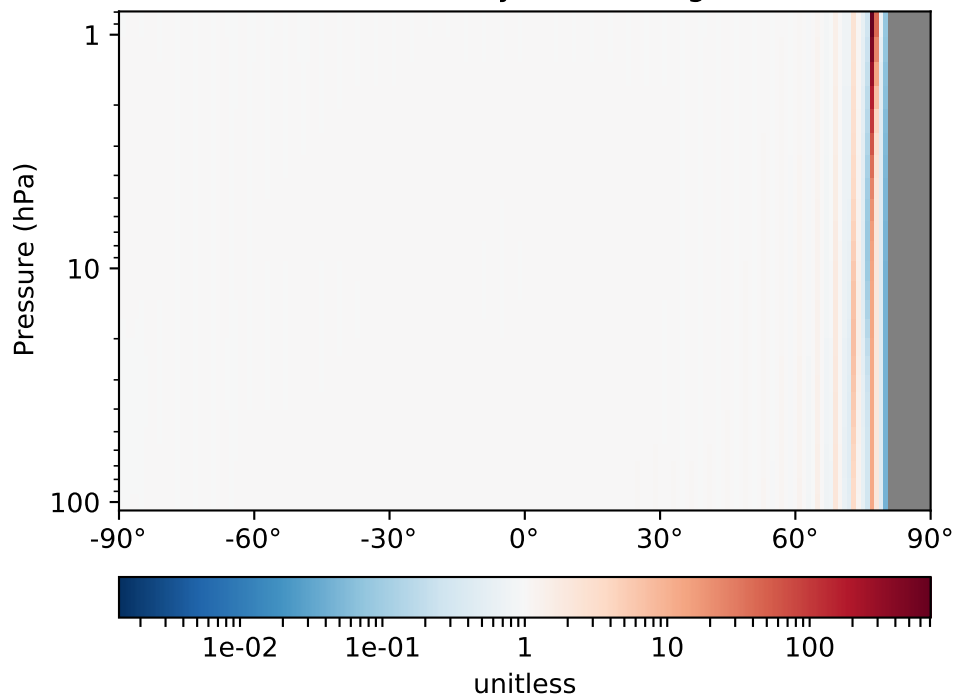
Difference (1x1.25)
Dev - Ref, Dynamic Range



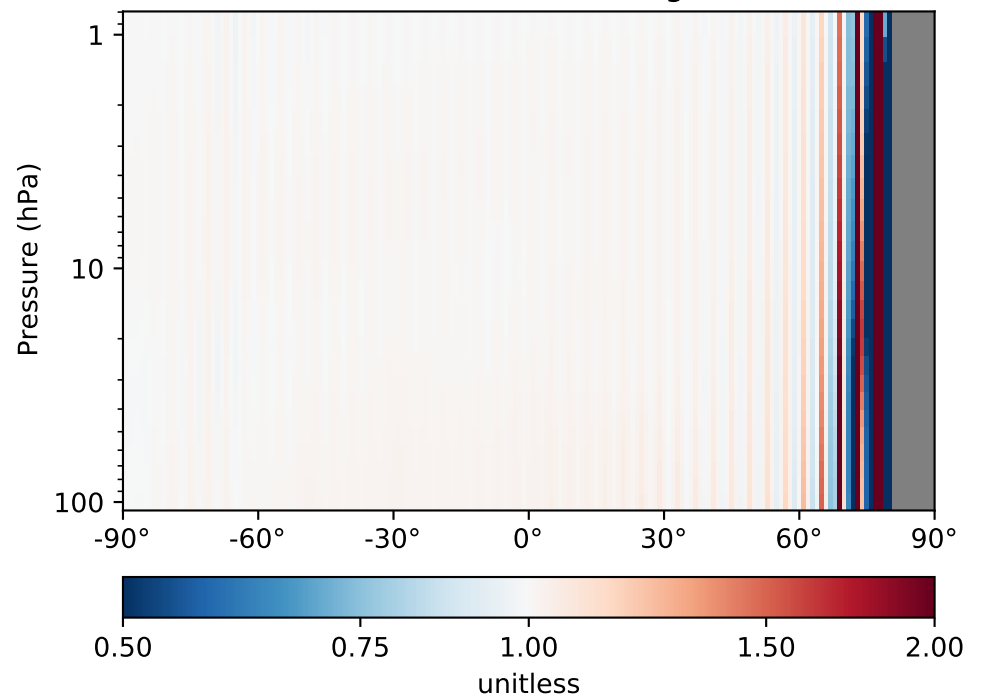
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

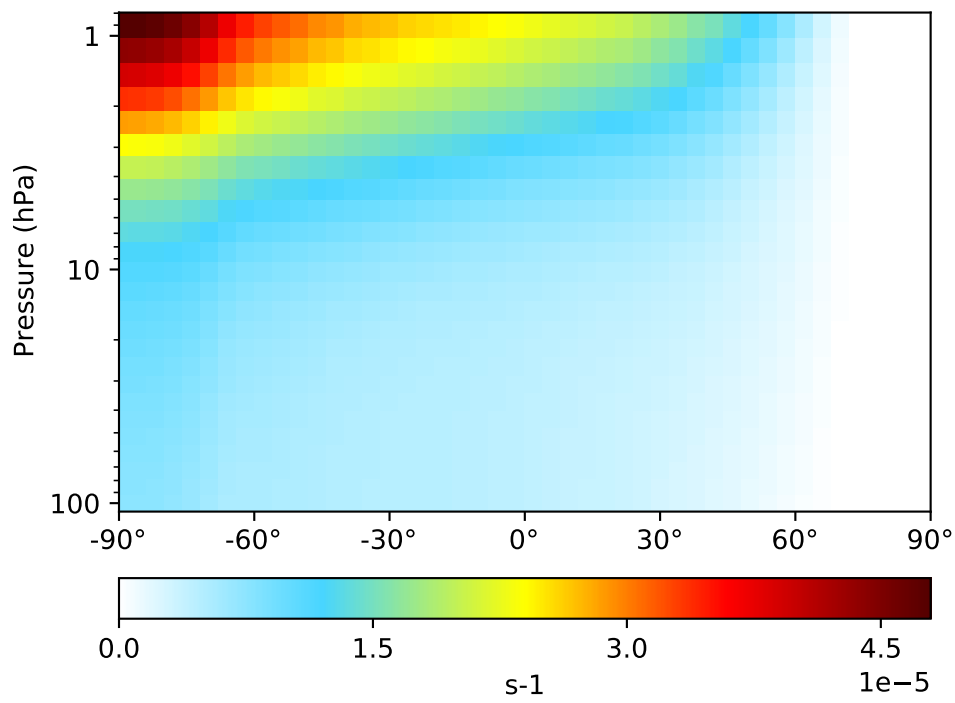


Ratio (1x1.25)
Dev/Ref, Fixed Range

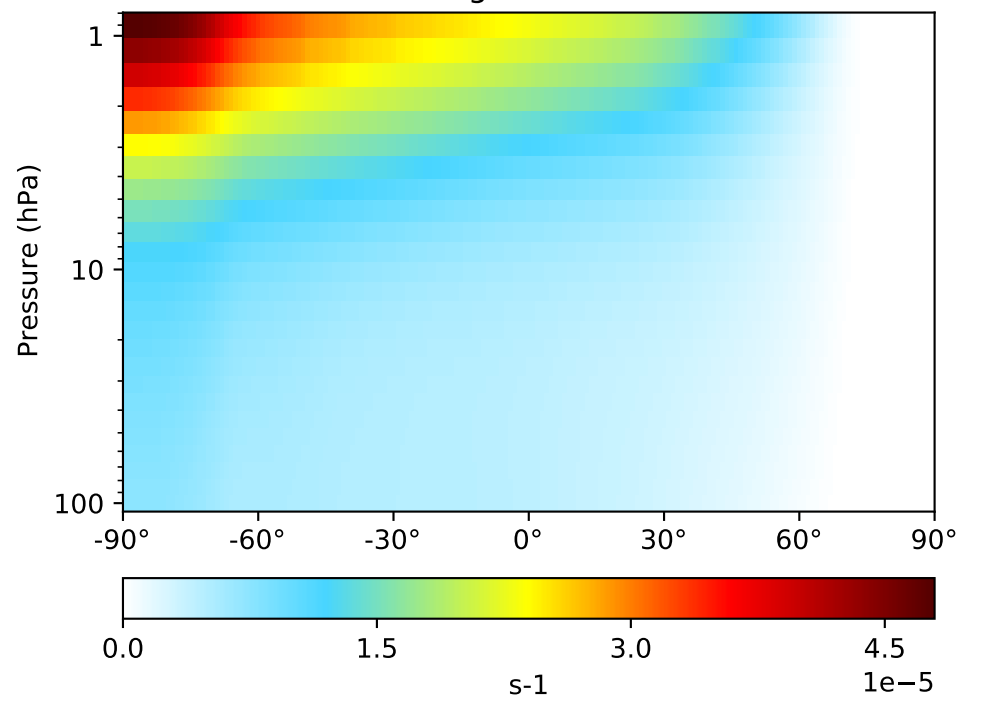


Jval_RIPA, Zonal Mean (Jan2019)

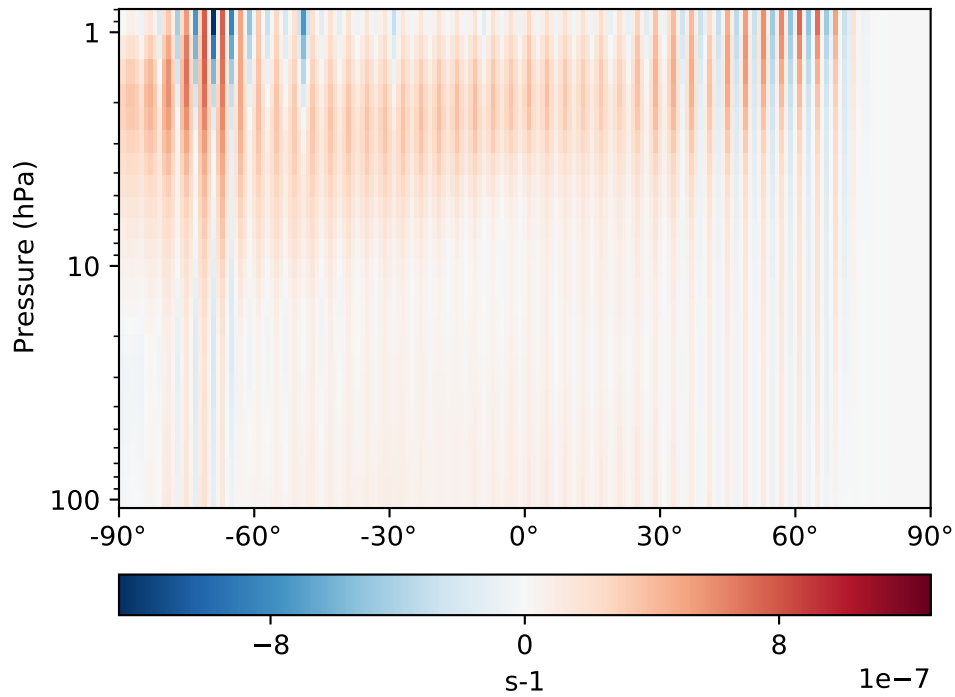
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



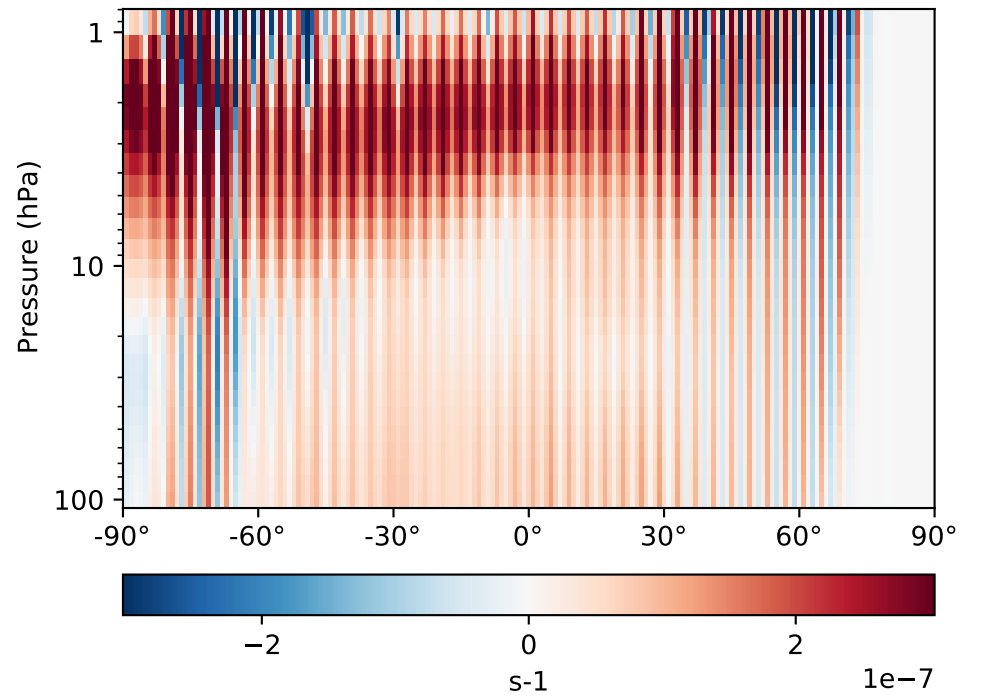
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



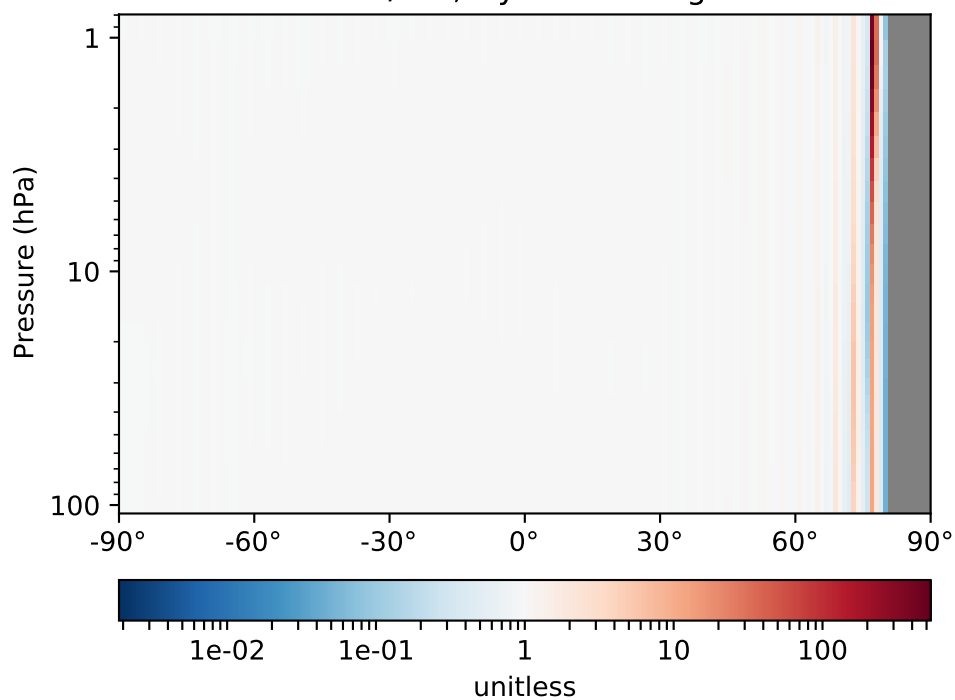
Difference (1x1.25)
Dev - Ref, Dynamic Range



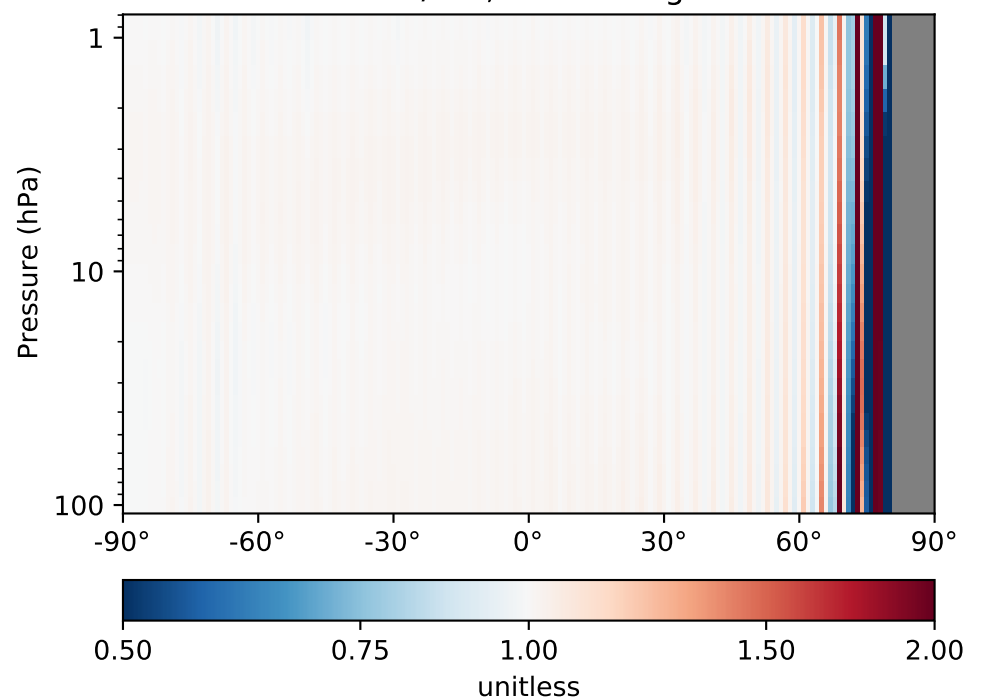
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

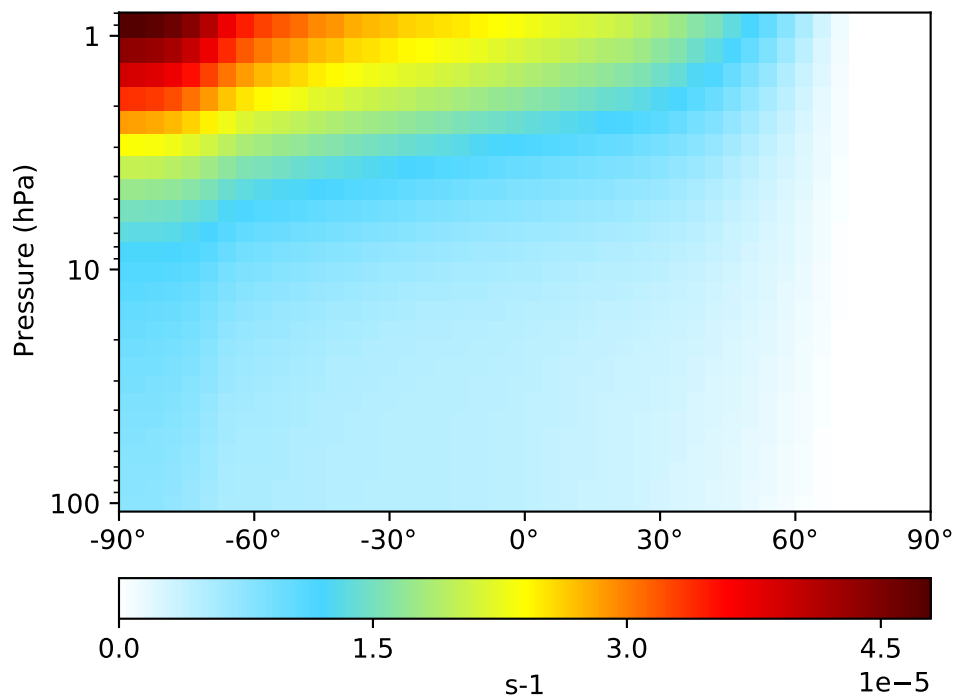


Ratio (1x1.25)
Dev/Ref, Fixed Range

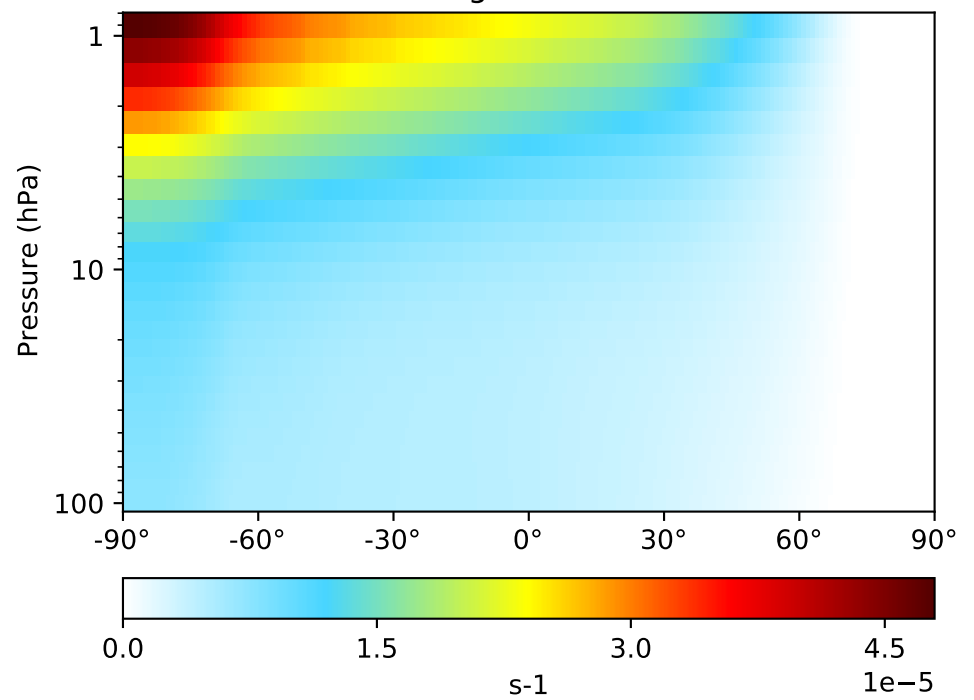


Jval_RIPB, Zonal Mean (Jan2019)

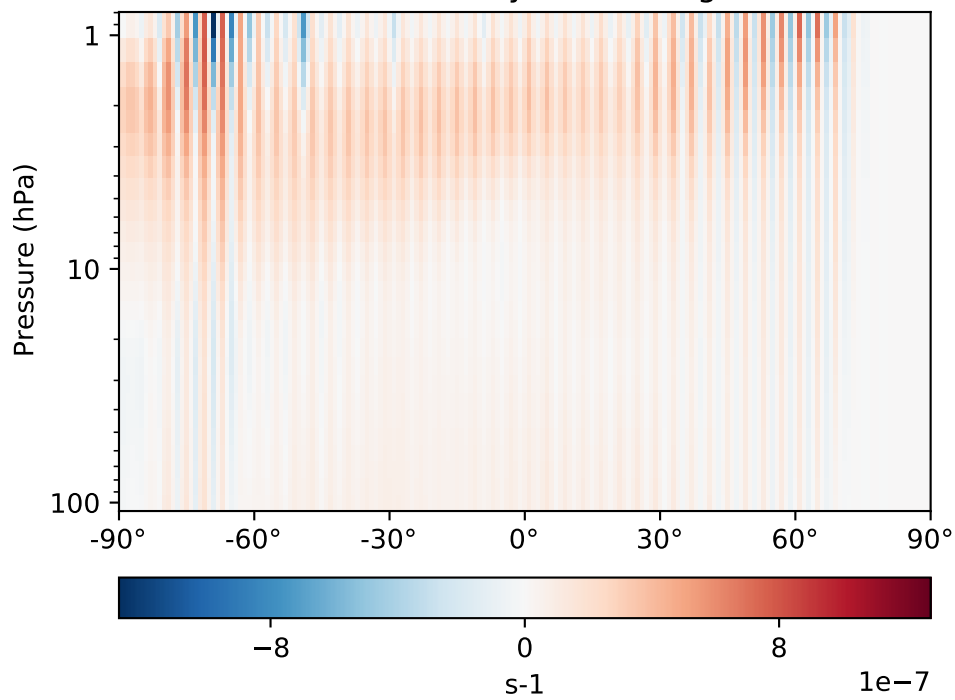
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



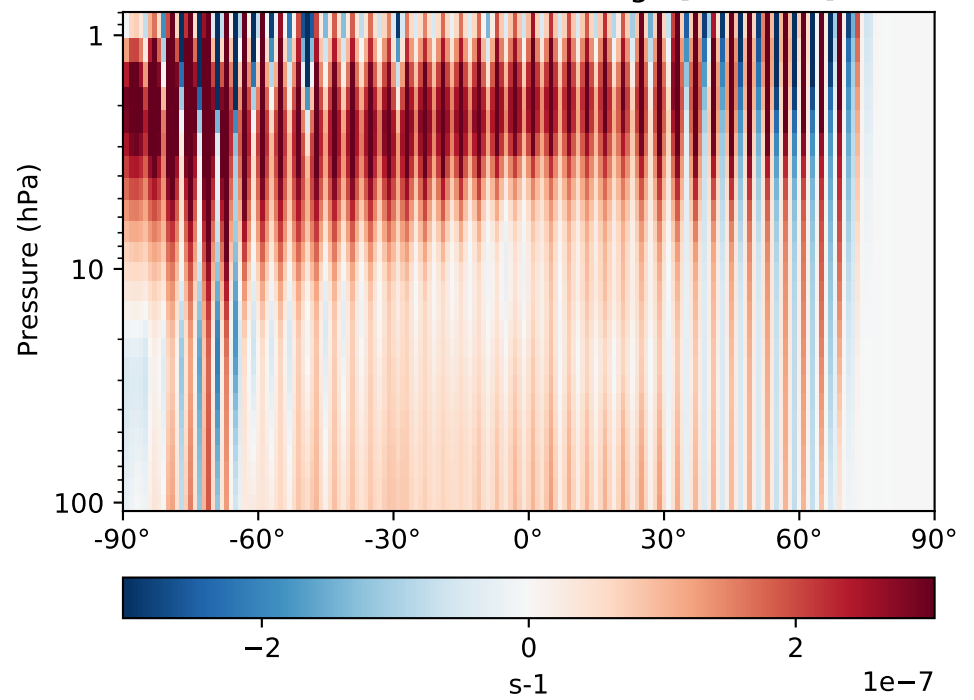
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regridged from c48



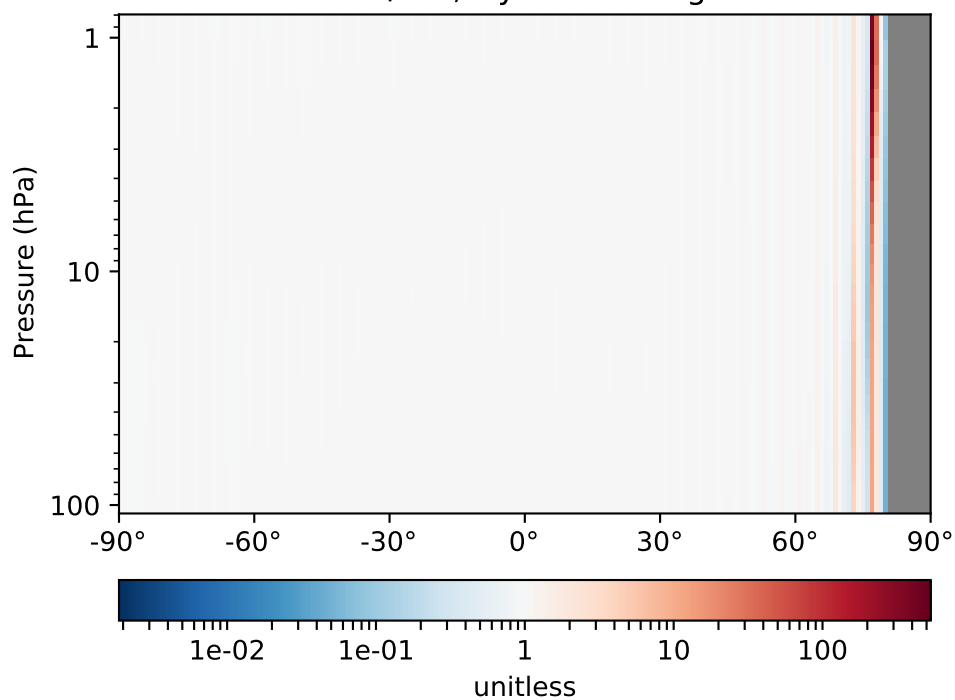
Difference (1x1.25)
Dev - Ref, Dynamic Range



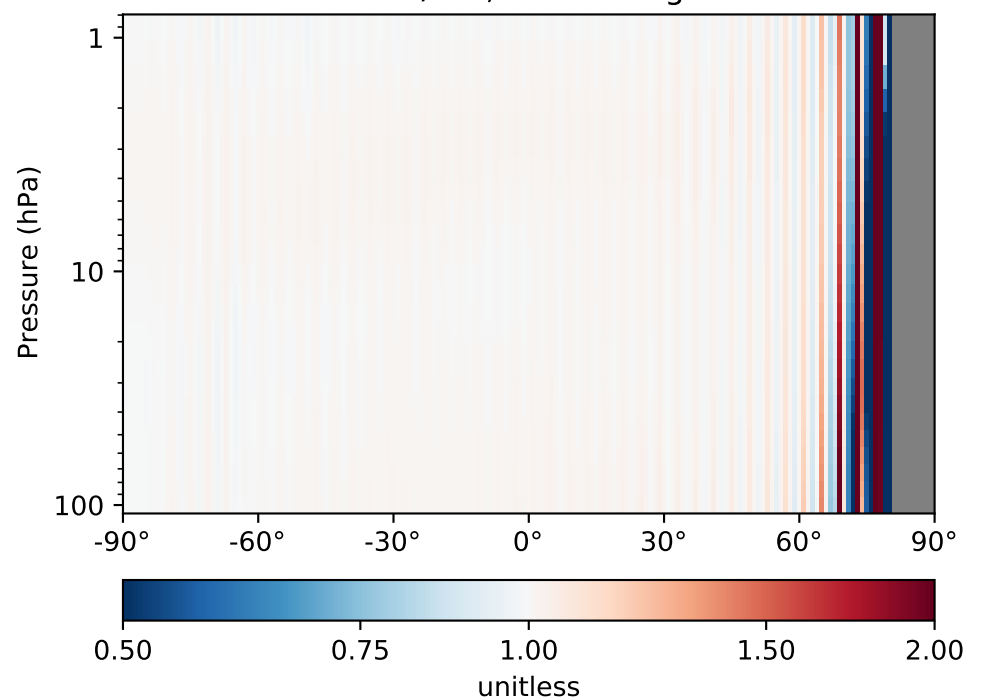
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

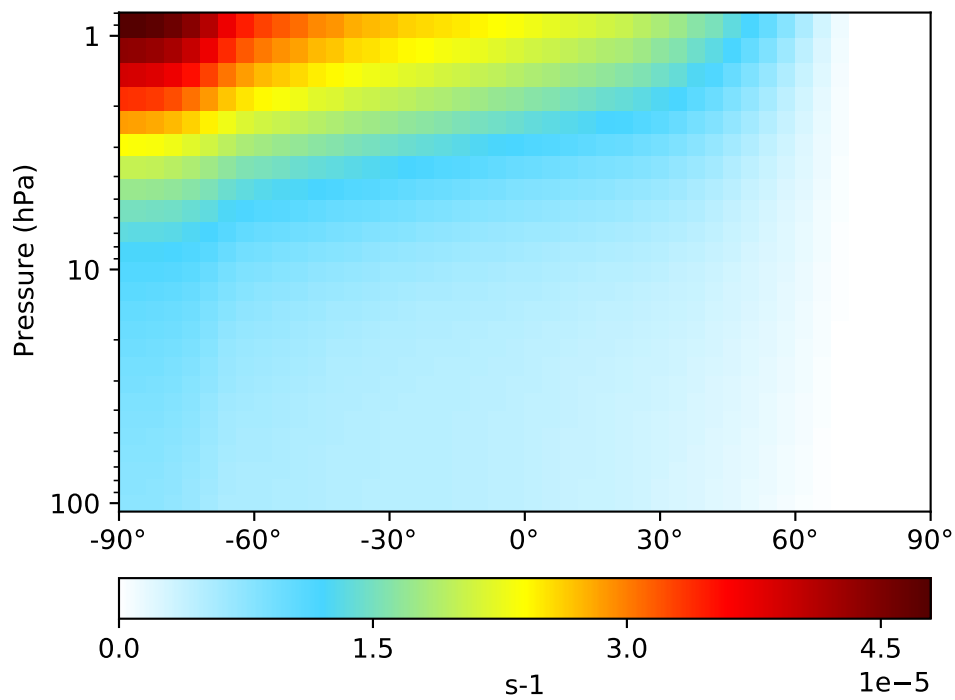


Ratio (1x1.25)
Dev/Ref, Fixed Range

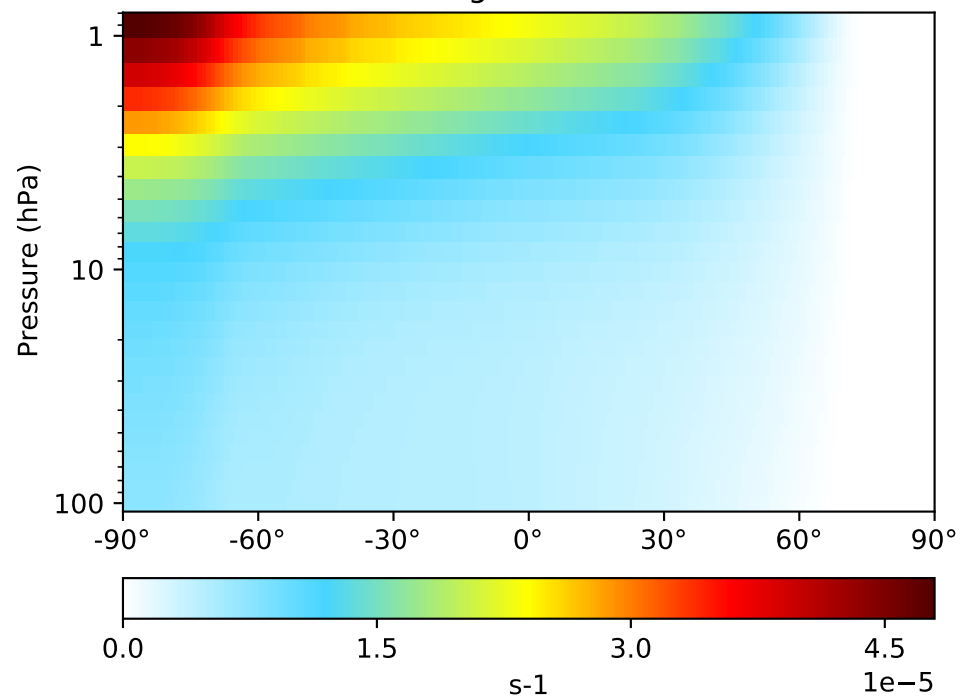


Jval_RIPC, Zonal Mean (Jan2019)

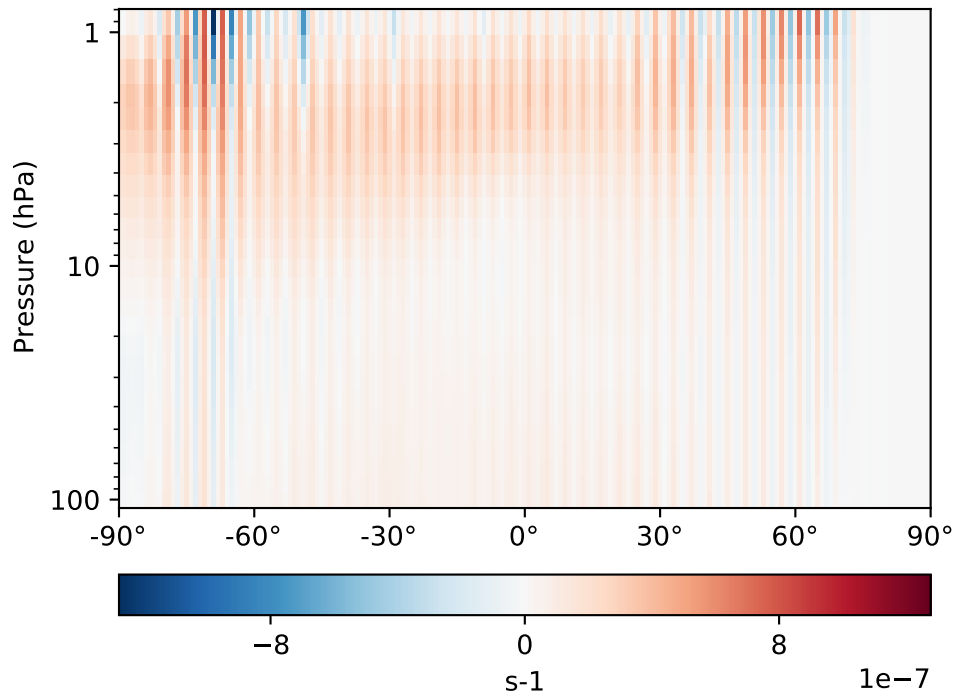
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



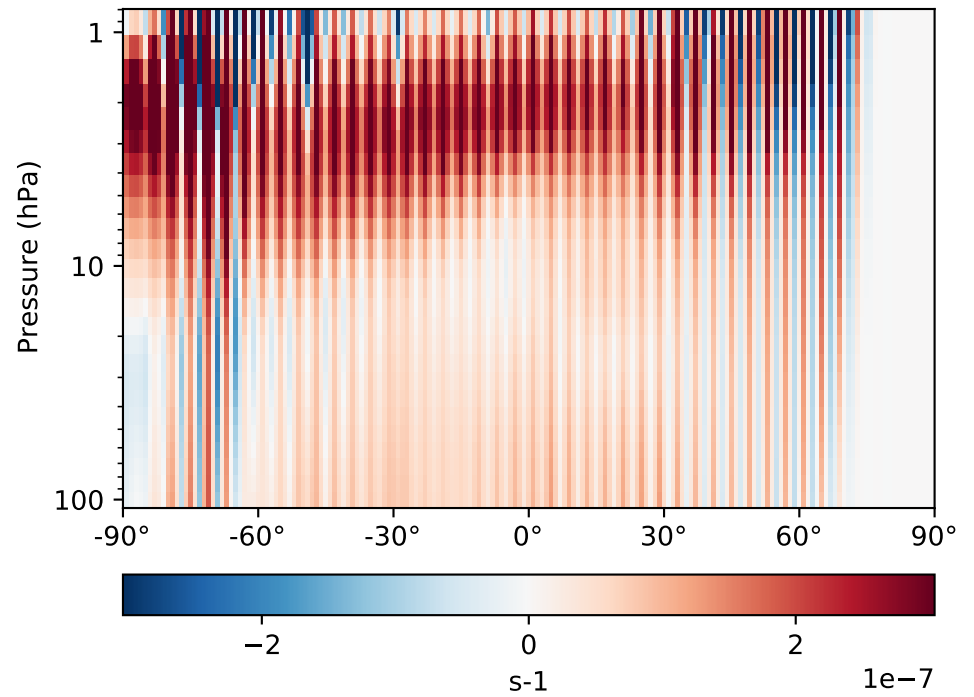
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



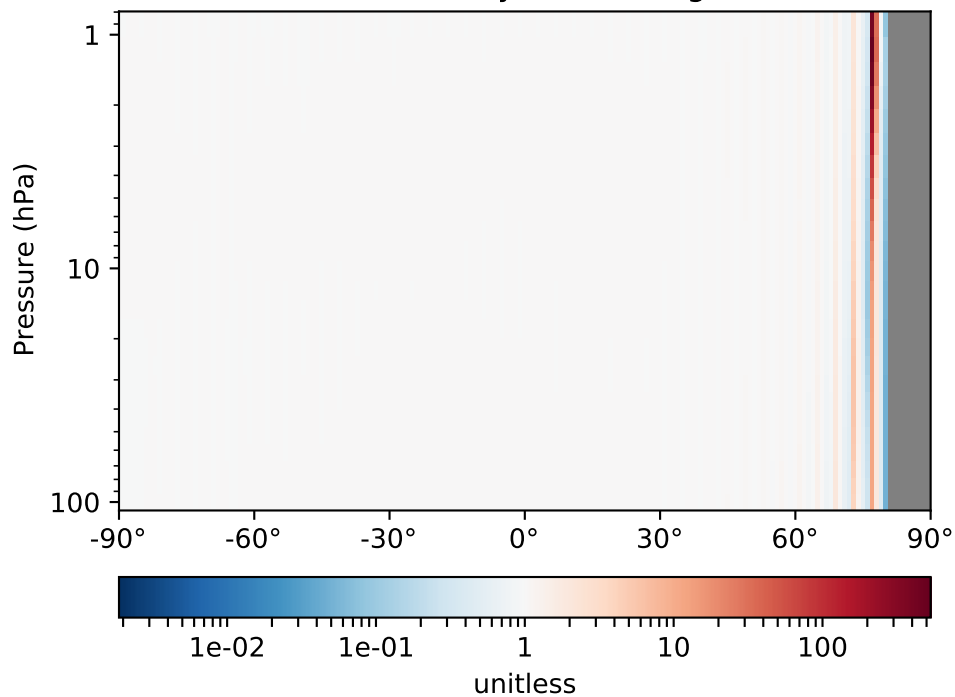
Difference (1x1.25)
Dev - Ref, Dynamic Range



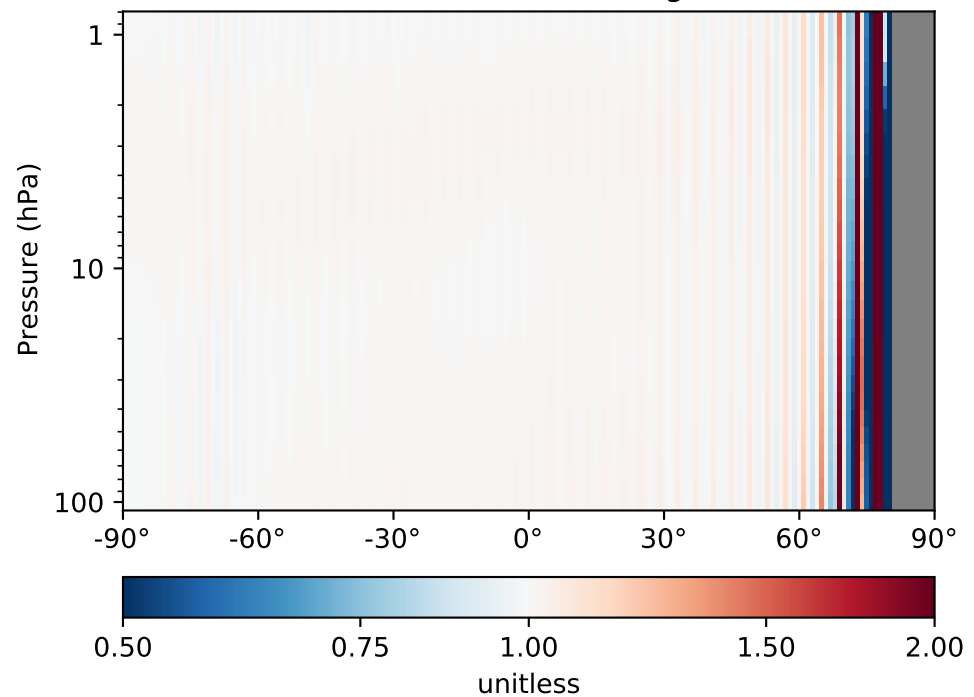
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

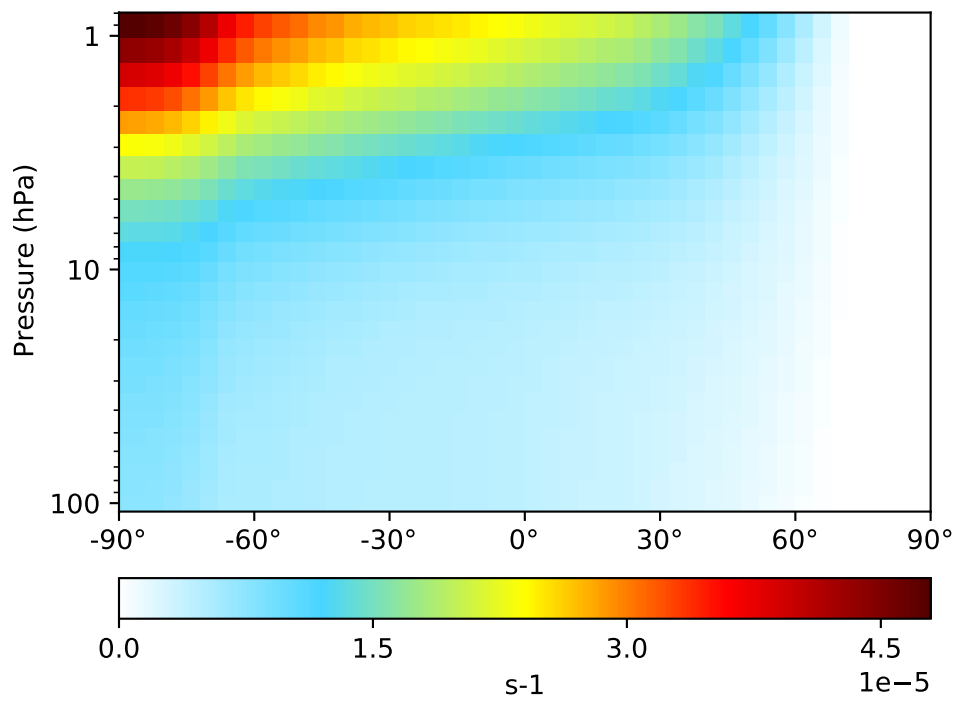


Ratio (1x1.25)
Dev/Ref, Fixed Range

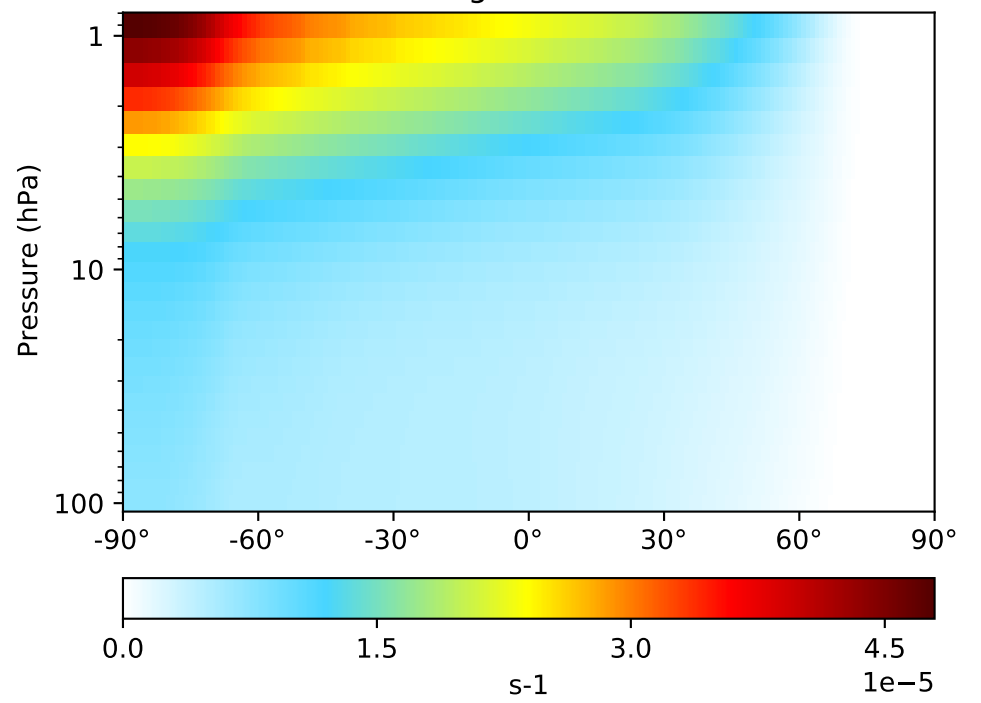


Jval_RIPD, Zonal Mean (Jan2019)

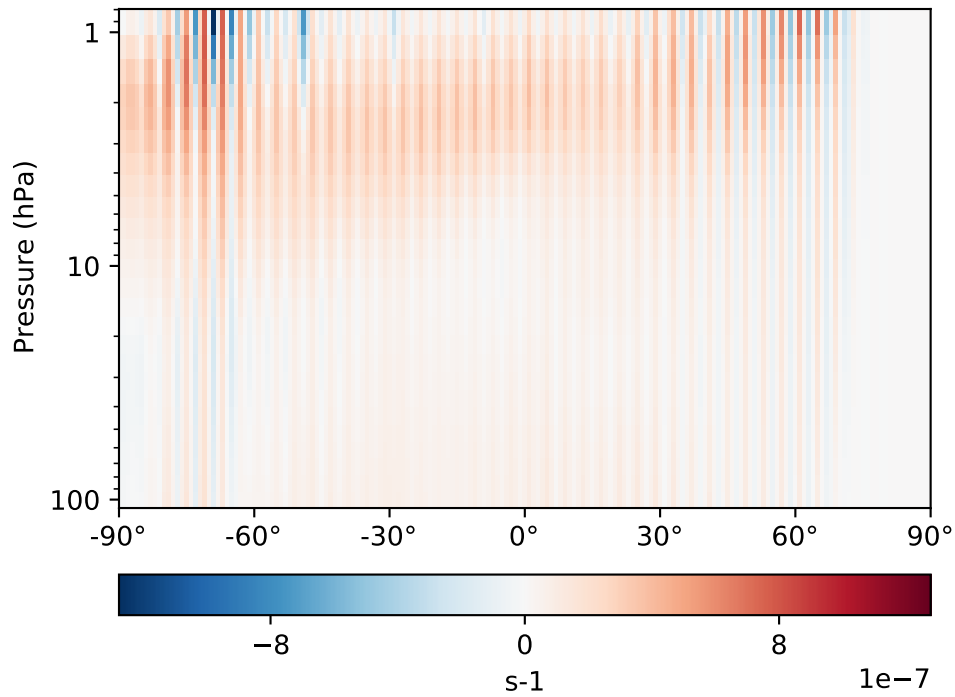
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



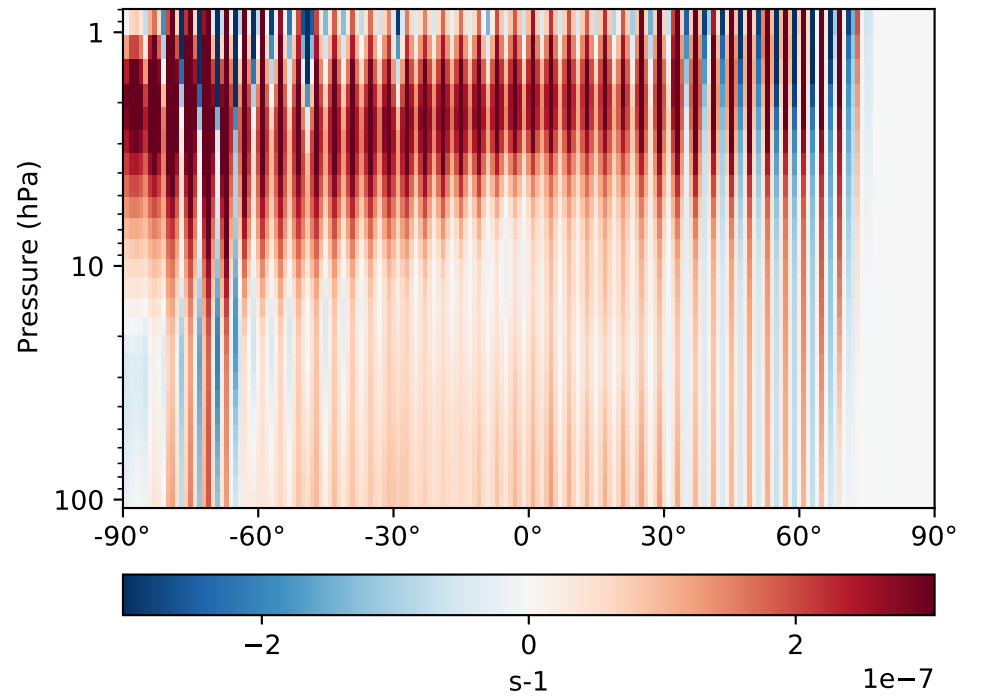
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regridged from c48



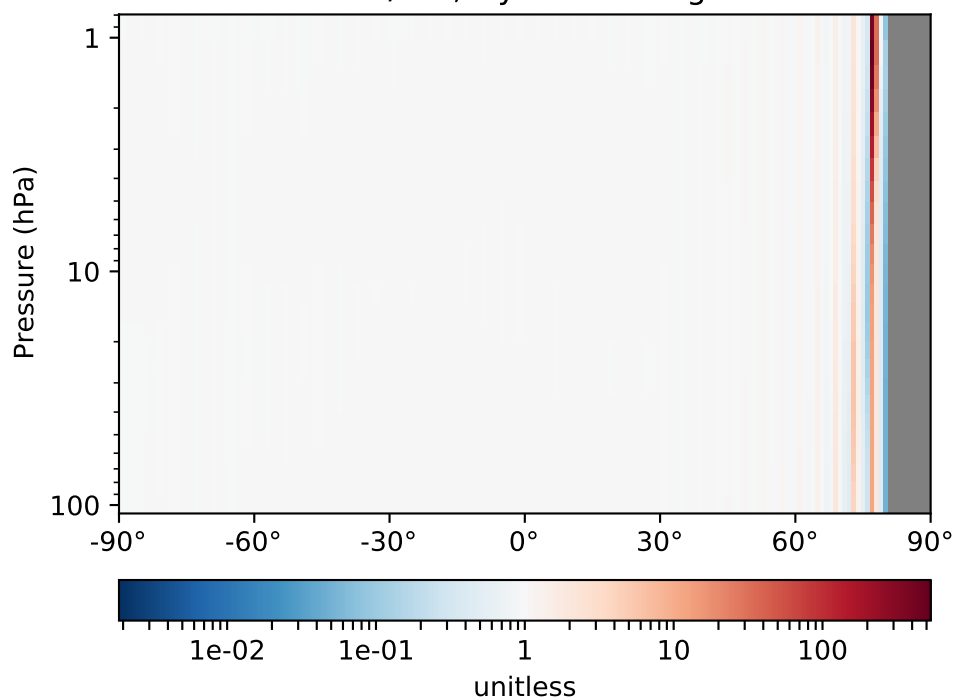
Difference (1x1.25)
Dev - Ref, Dynamic Range



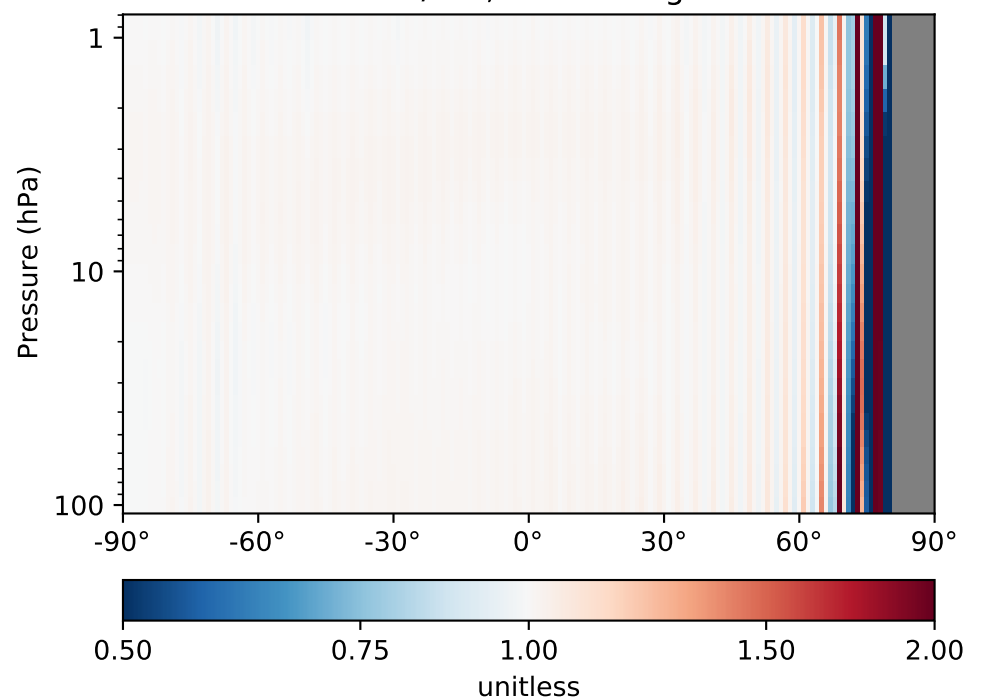
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

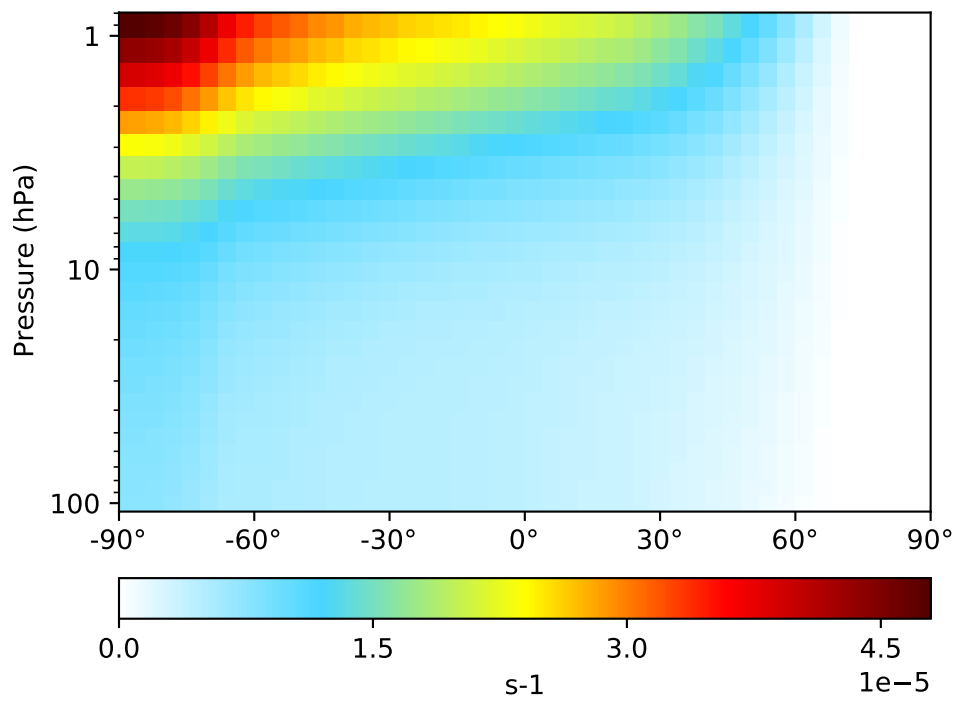


Ratio (1x1.25)
Dev/Ref, Fixed Range

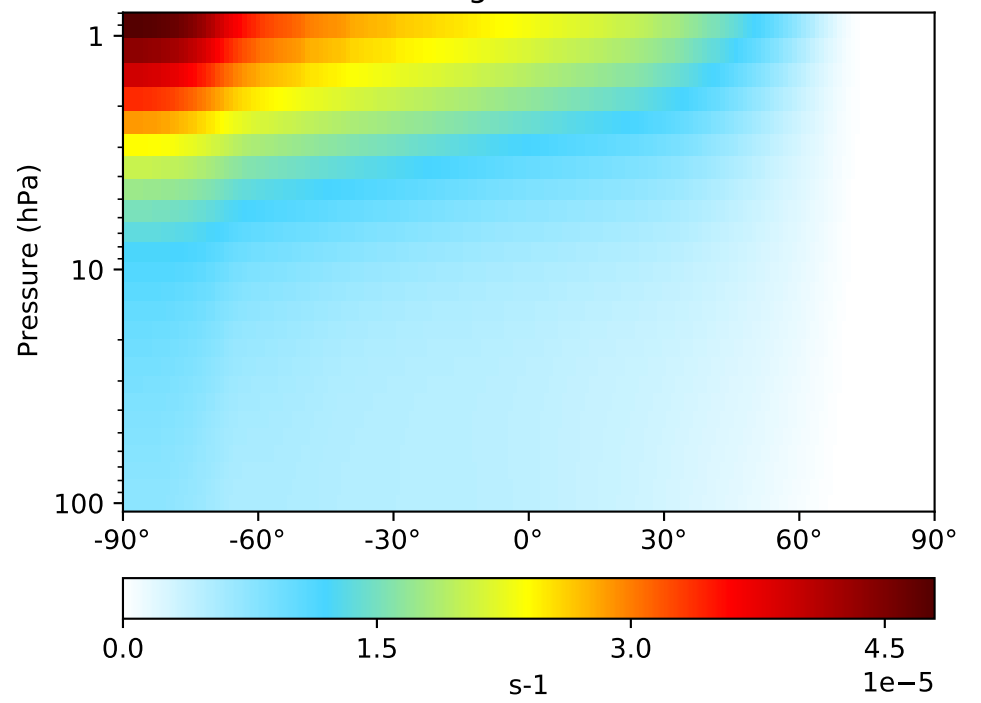


Jval_RP, Zonal Mean (Jan2019)

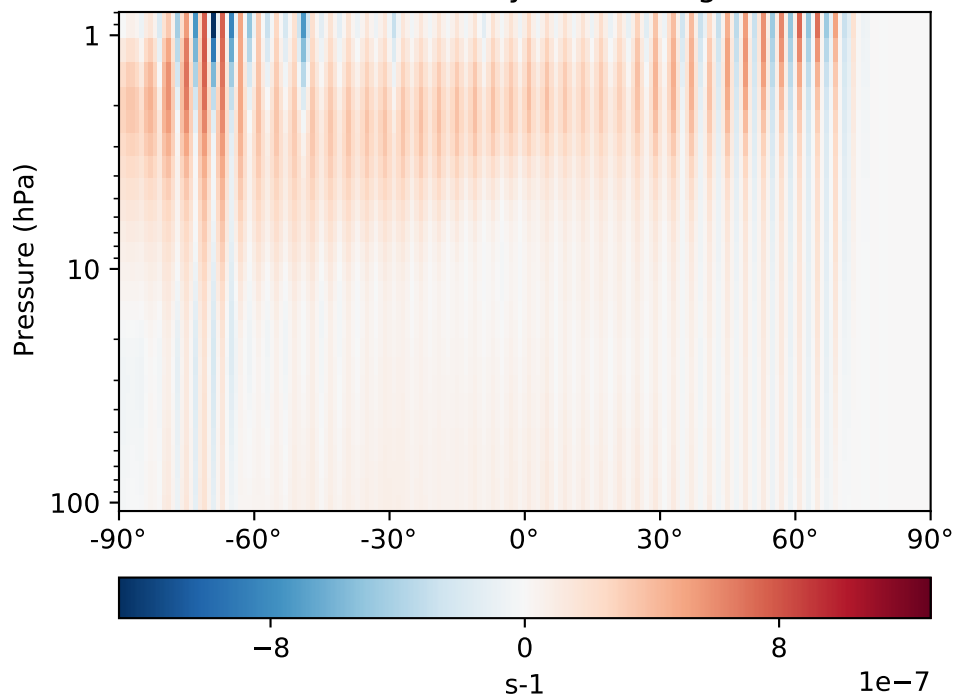
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



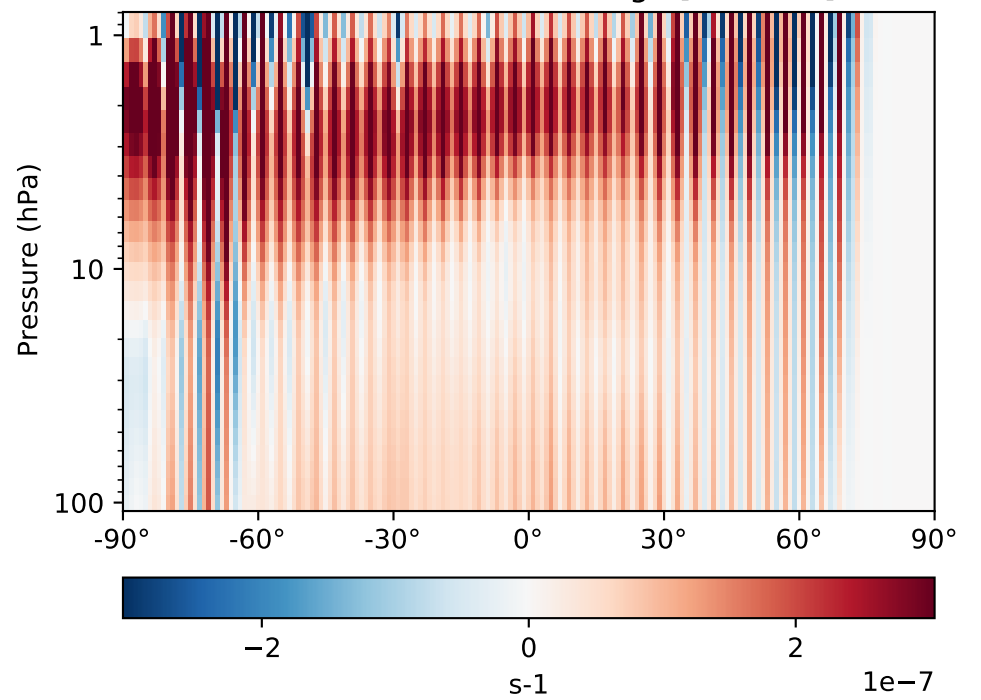
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



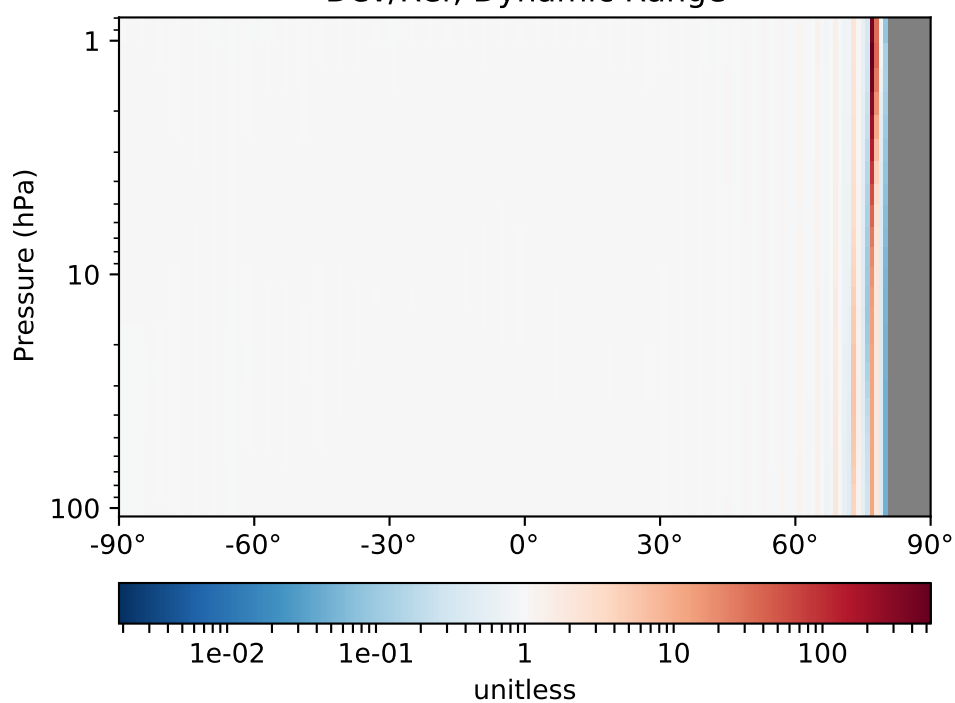
Difference (1x1.25)
Dev - Ref, Dynamic Range



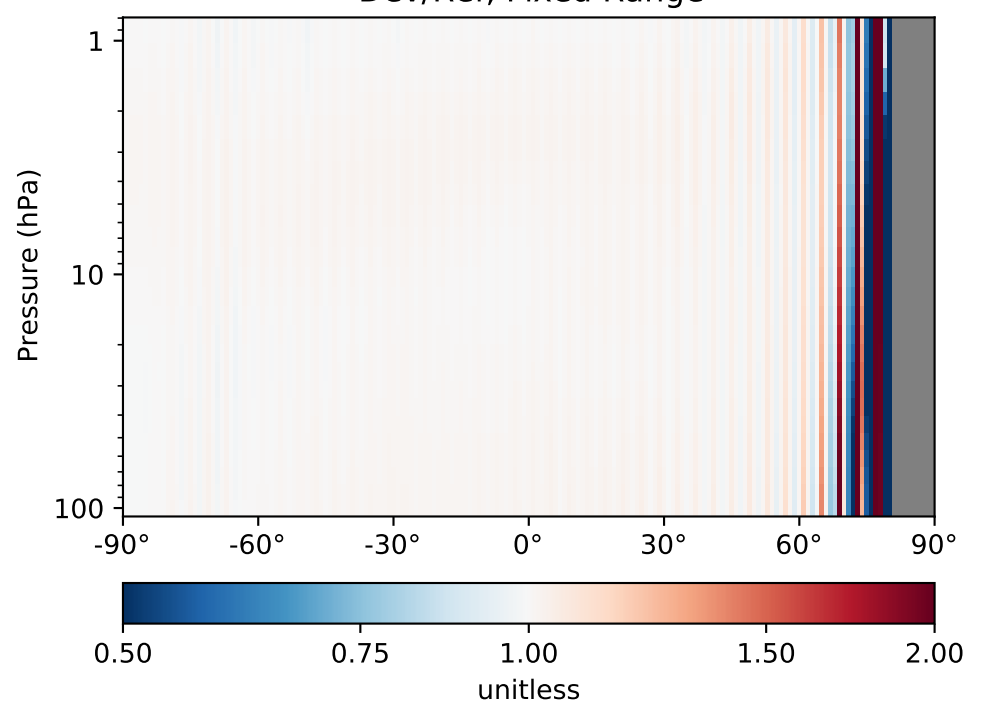
Difference (1x1.25)
Dev - Ref, Restricted Range [5%,95%]



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

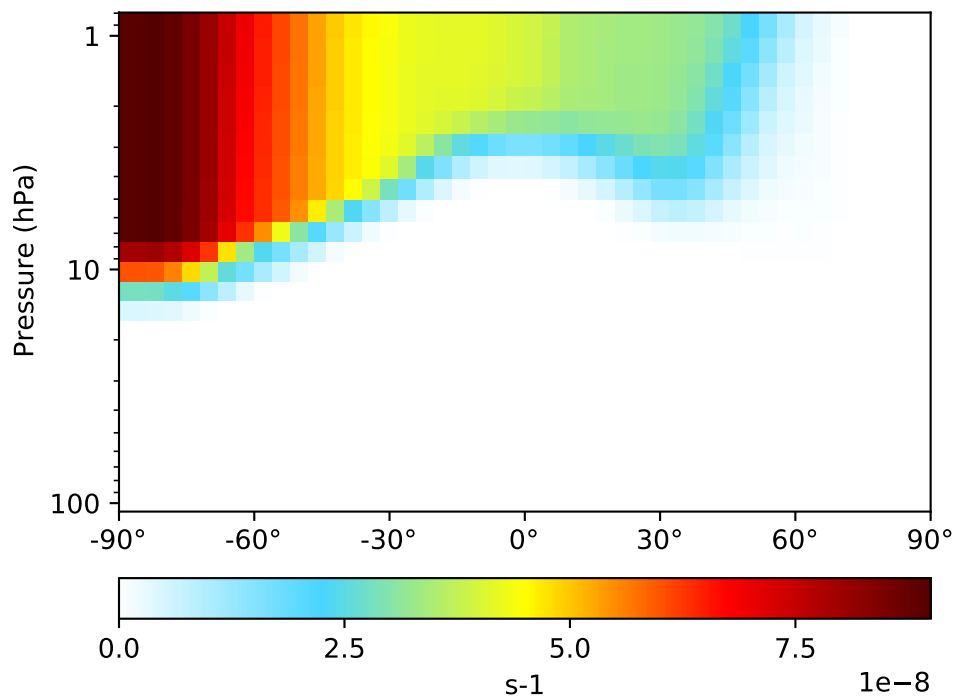


Ratio (1x1.25)
Dev/Ref, Fixed Range

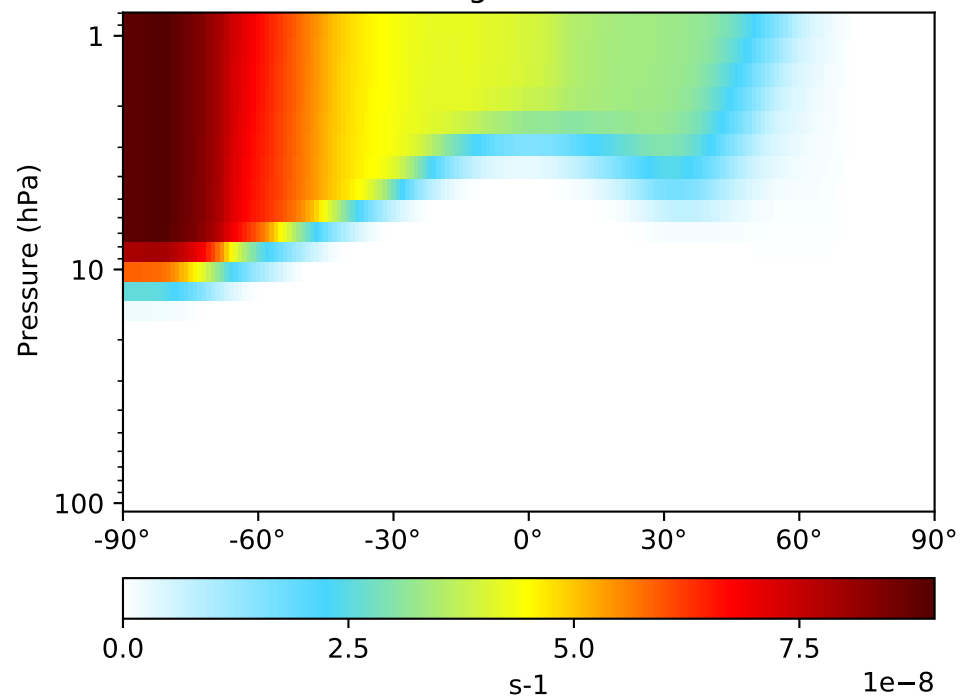


Jval_SO4, Zonal Mean (Jan2019)

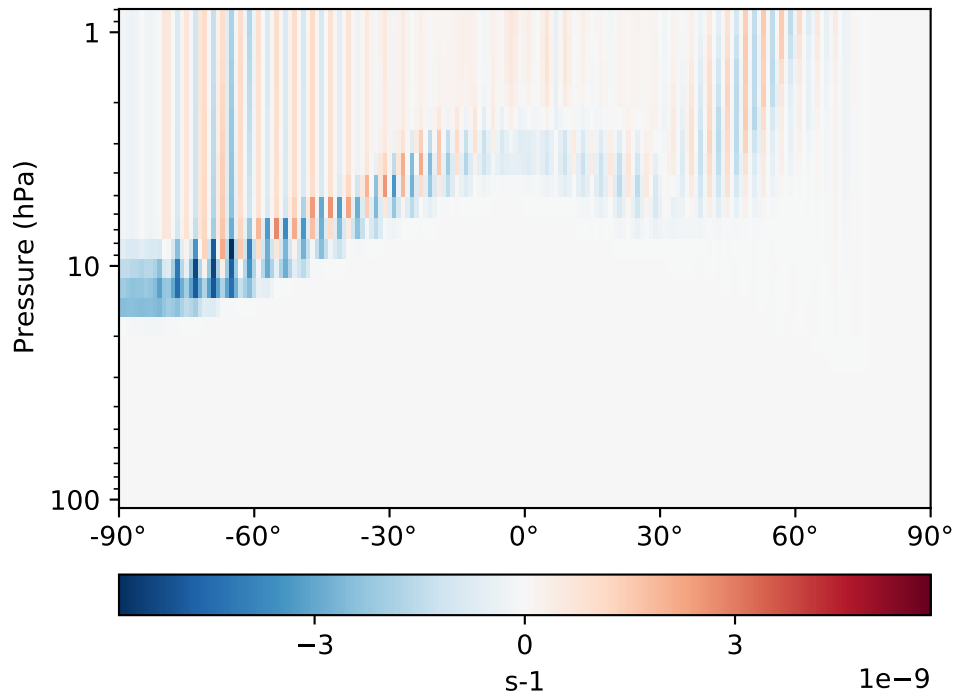
GCC_13.0.0-rc.0 (Ref)
4.0x5.0



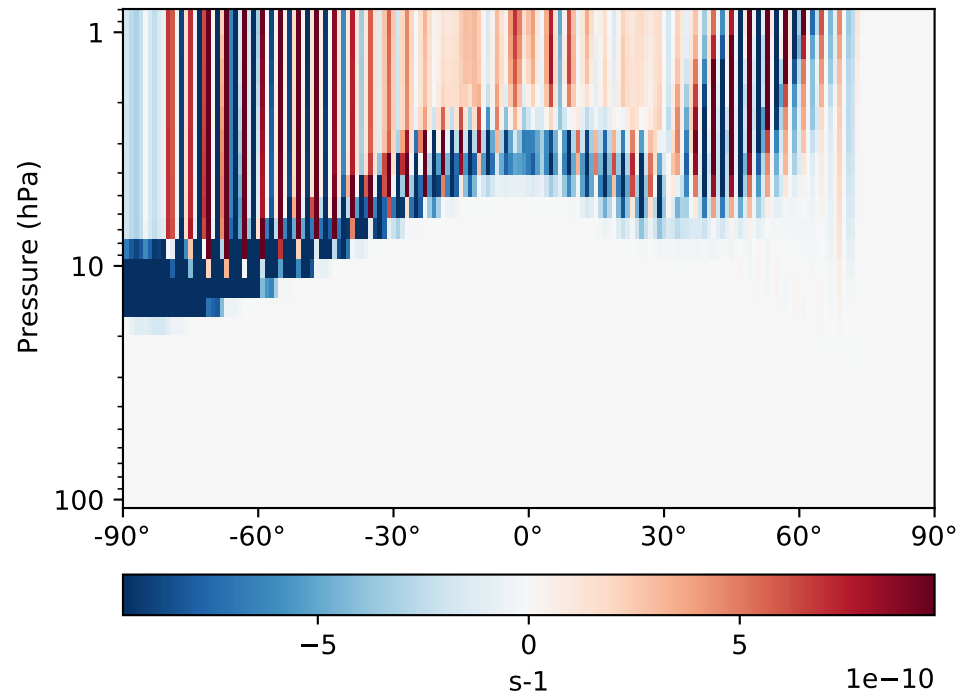
GCHP_13.0.0-rc.0 (Dev)
1x1.25 regrided from c48



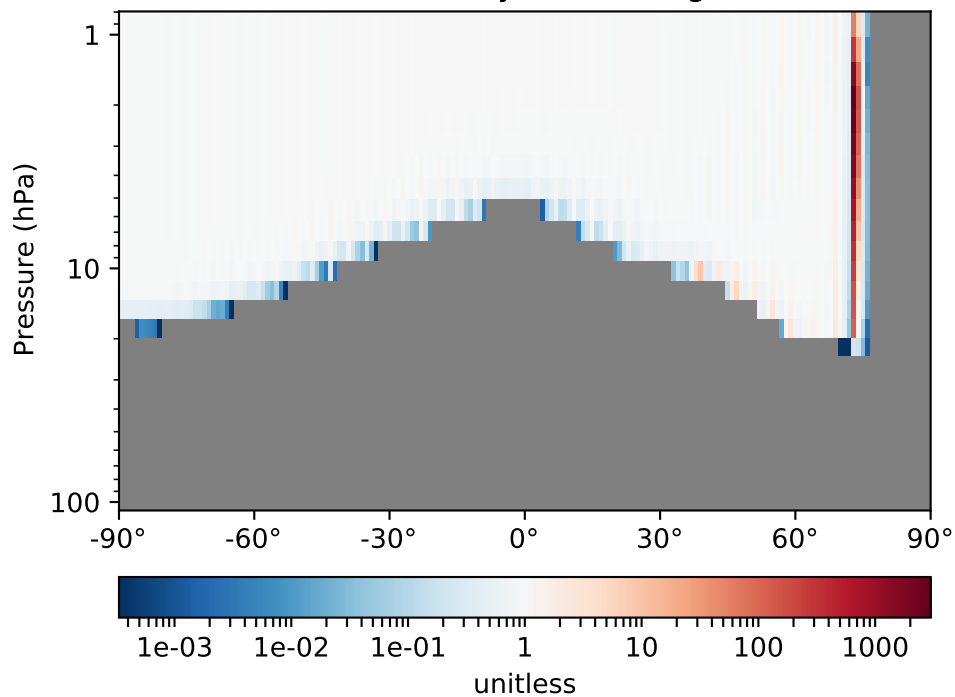
Difference (1x1.25)
Dev - Ref, Dynamic Range



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



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



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

