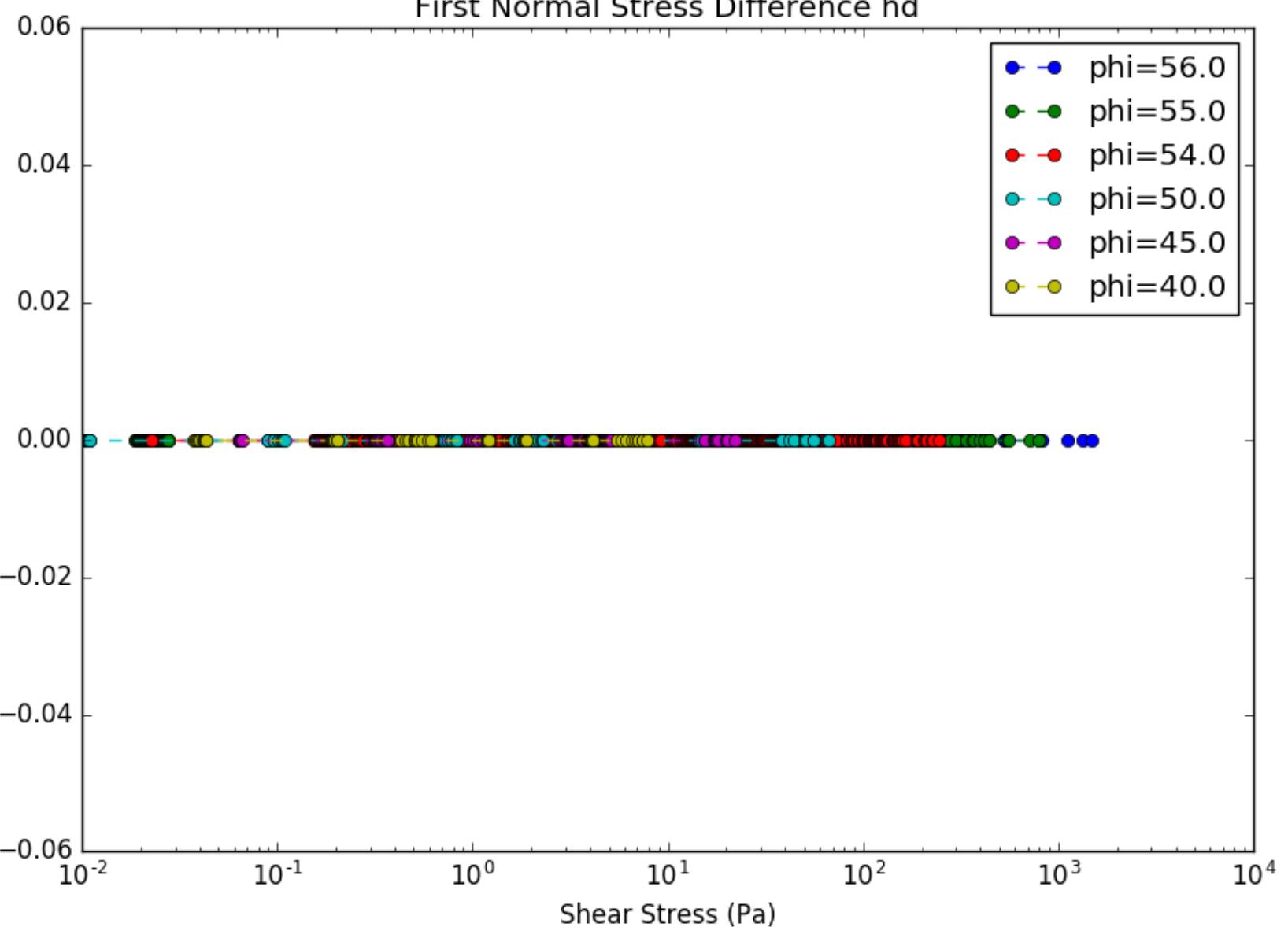


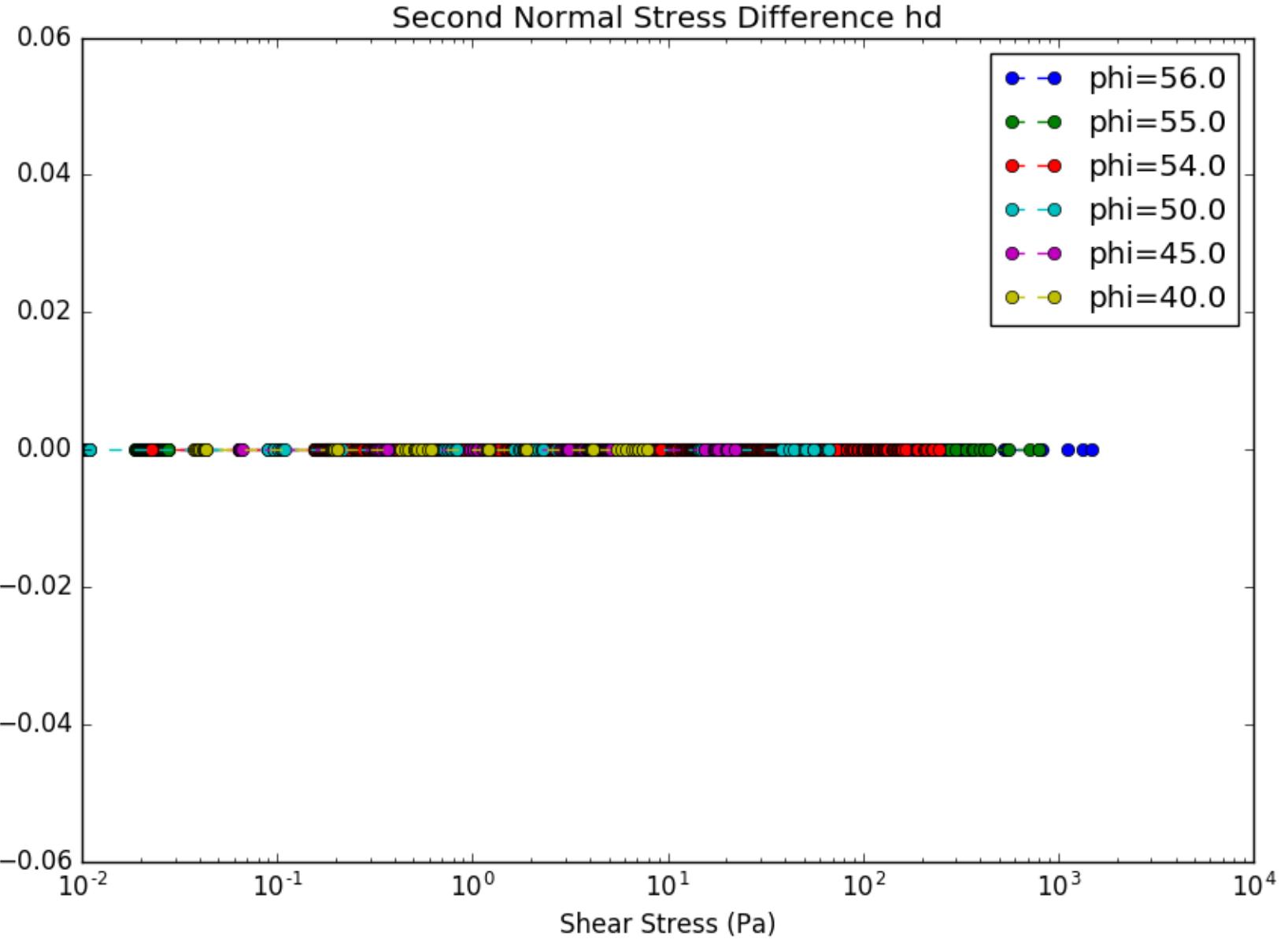
First Normal Stress Difference hd

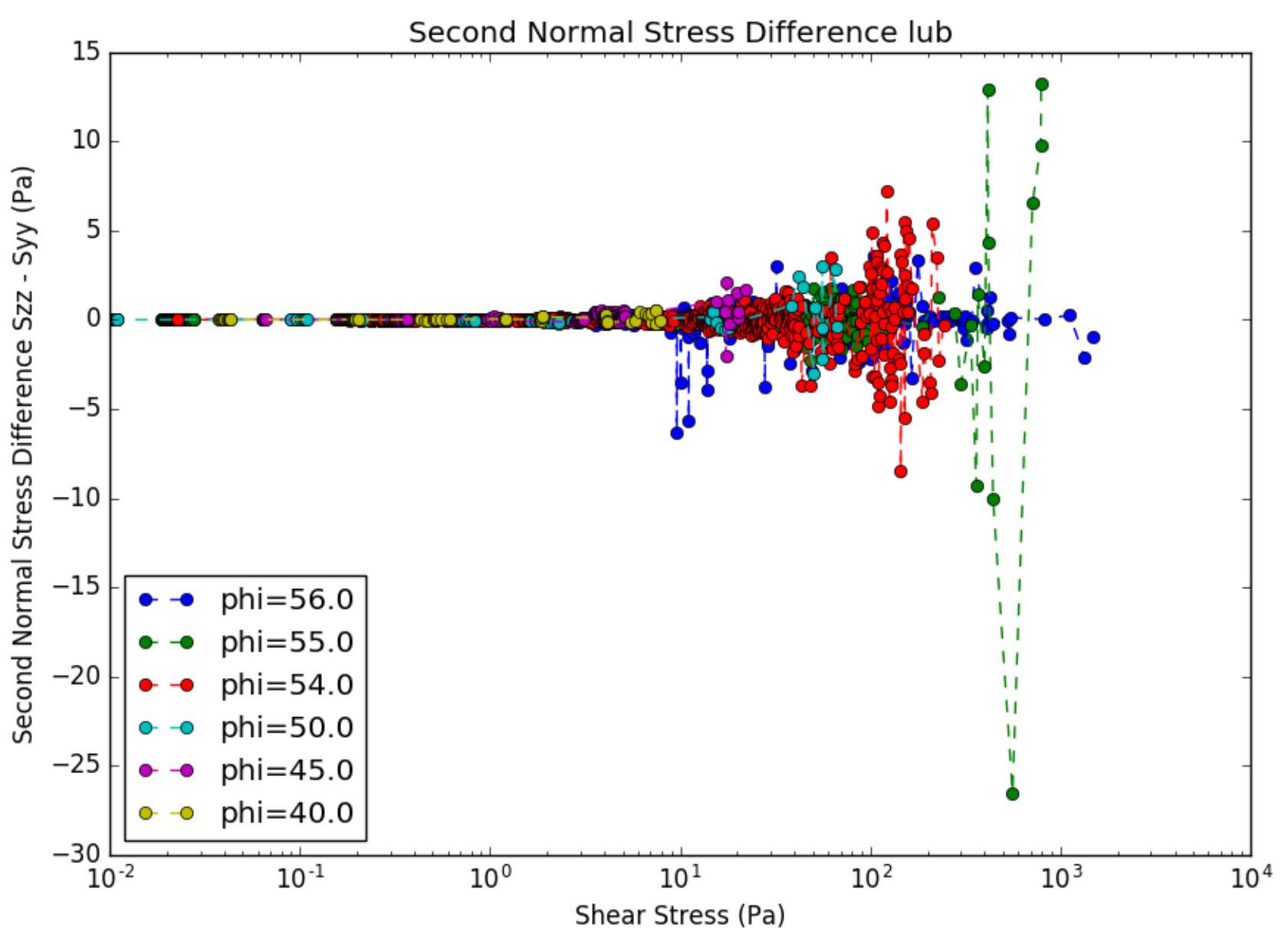
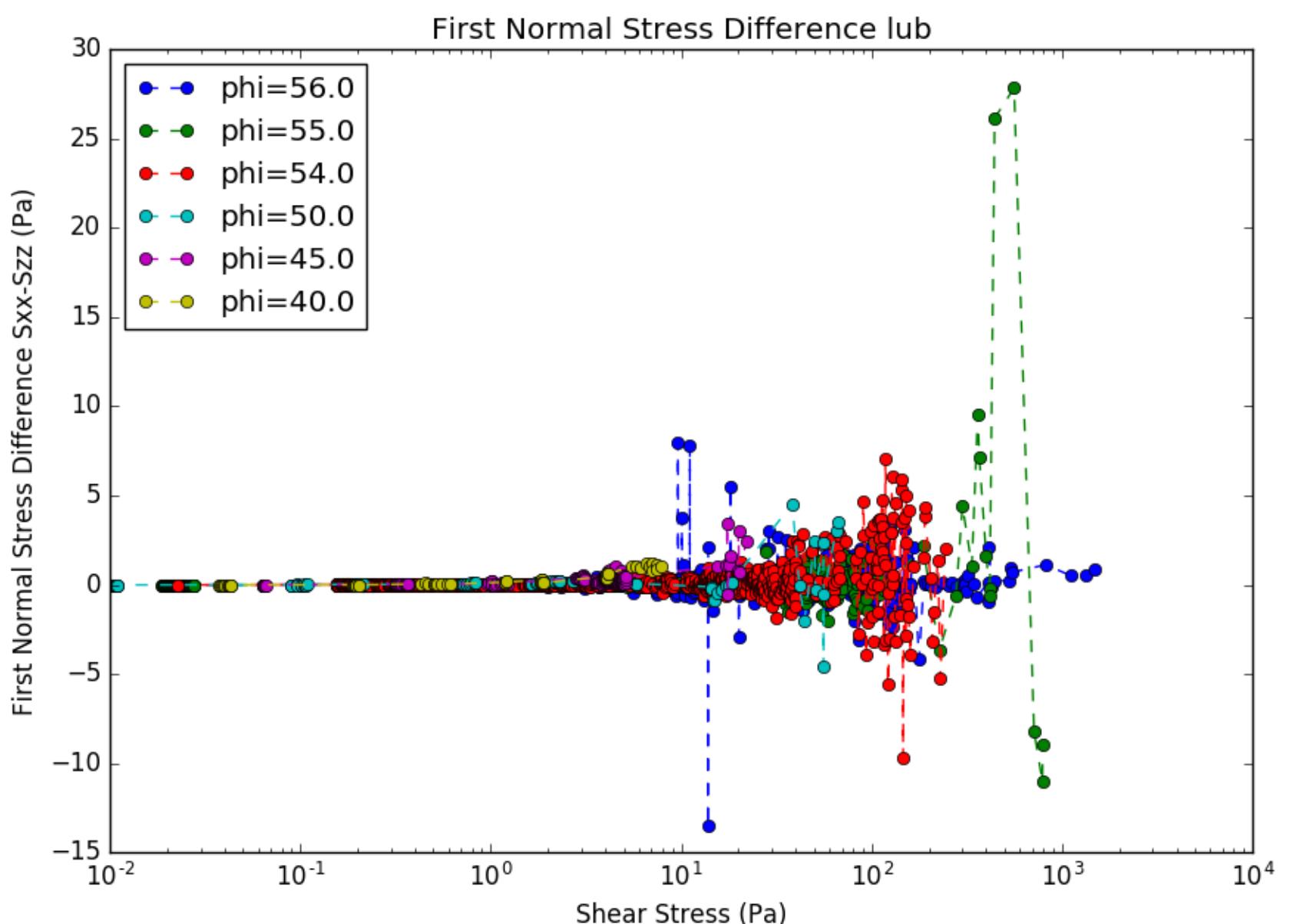
First Normal Stress Difference $S_{xx} - S_{zz}$ (Pa)

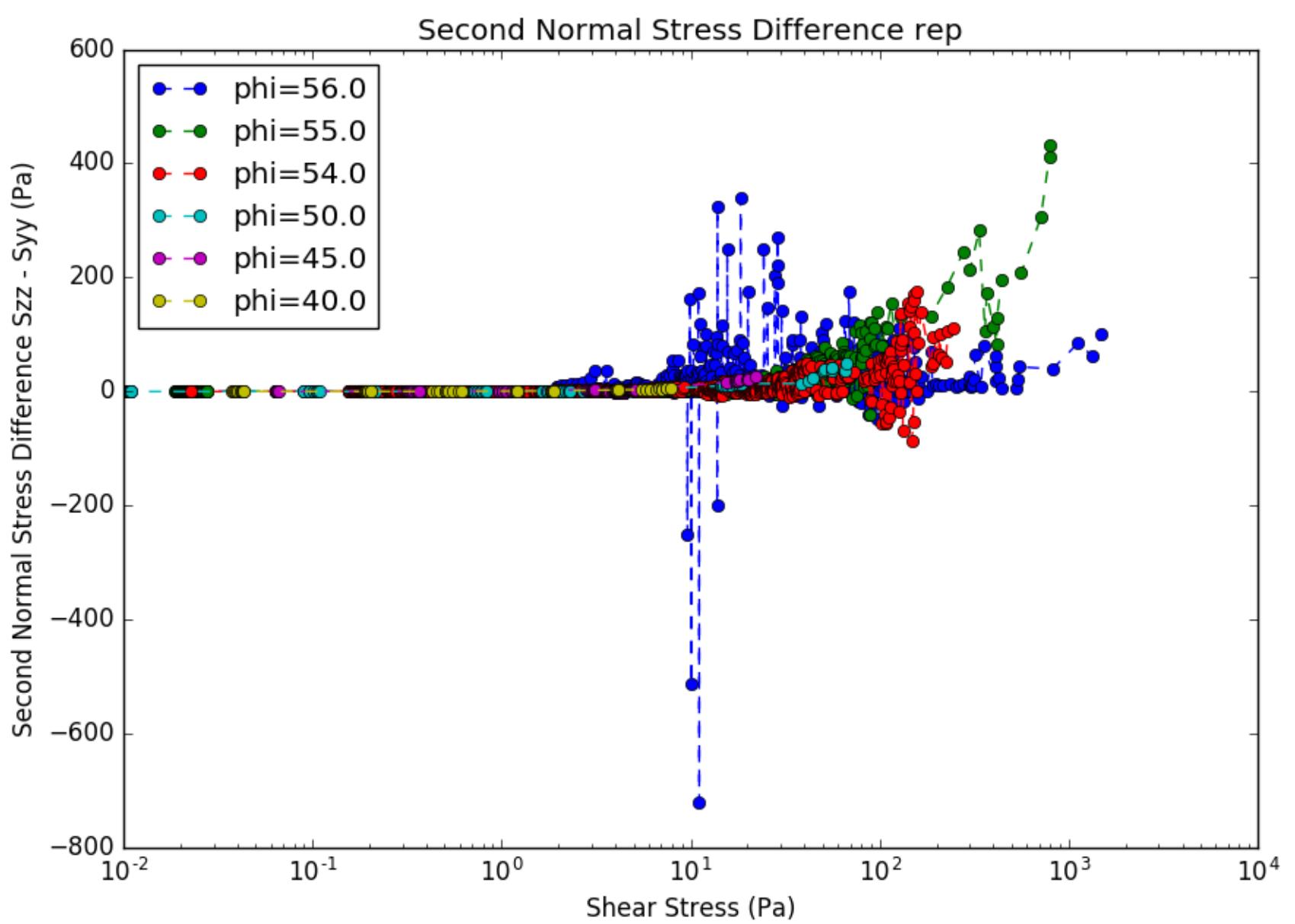
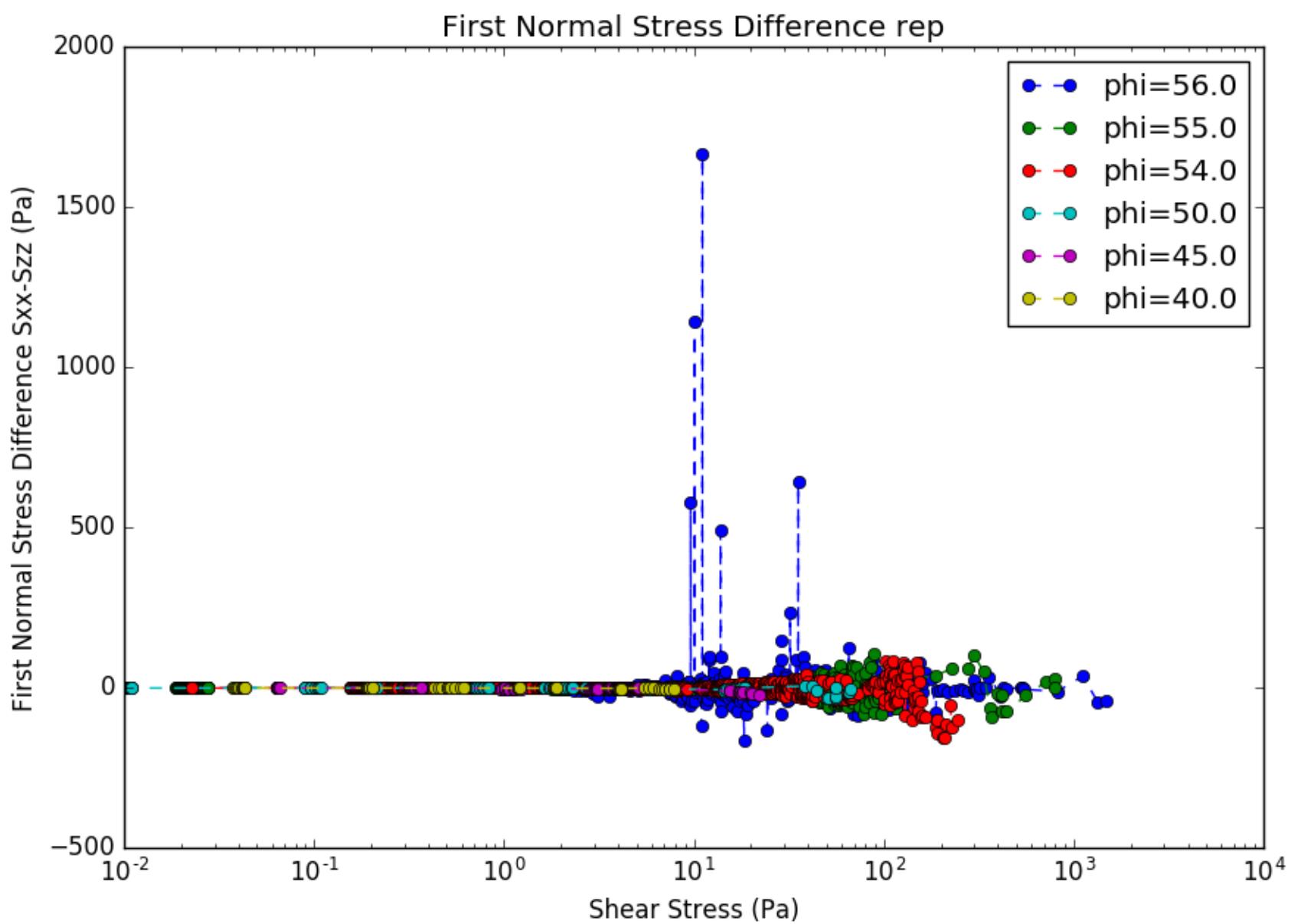


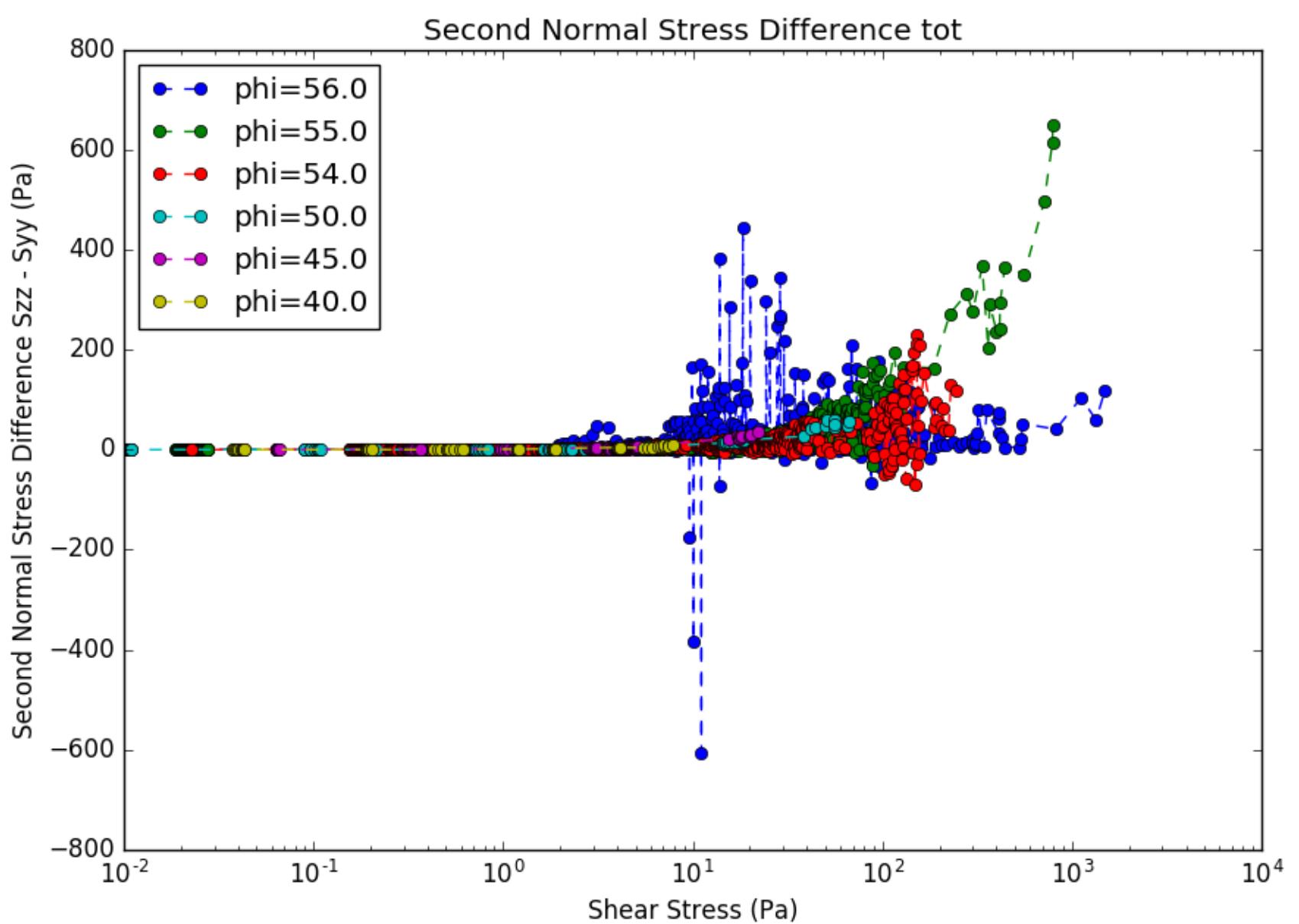
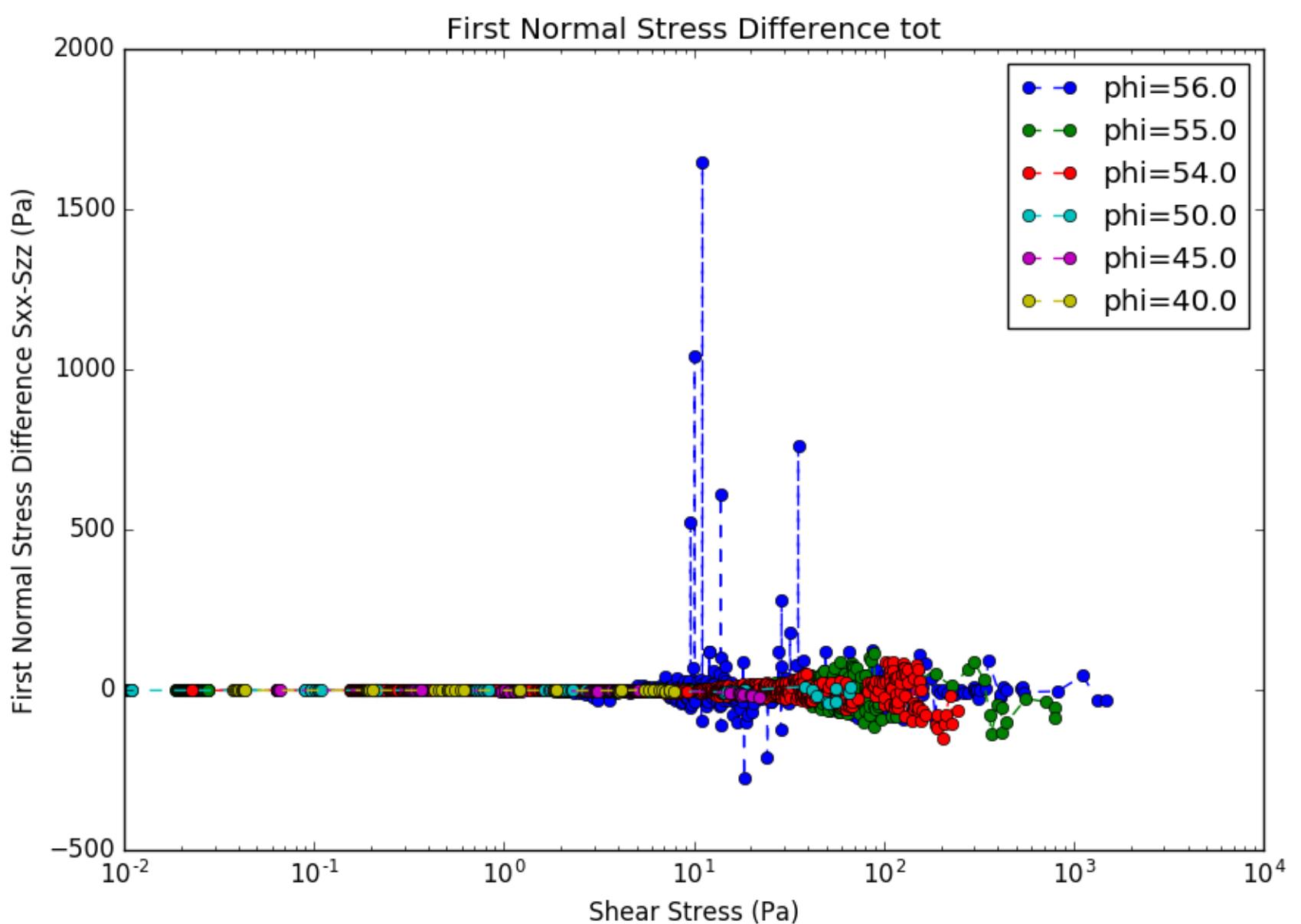
Second Normal Stress Difference hd

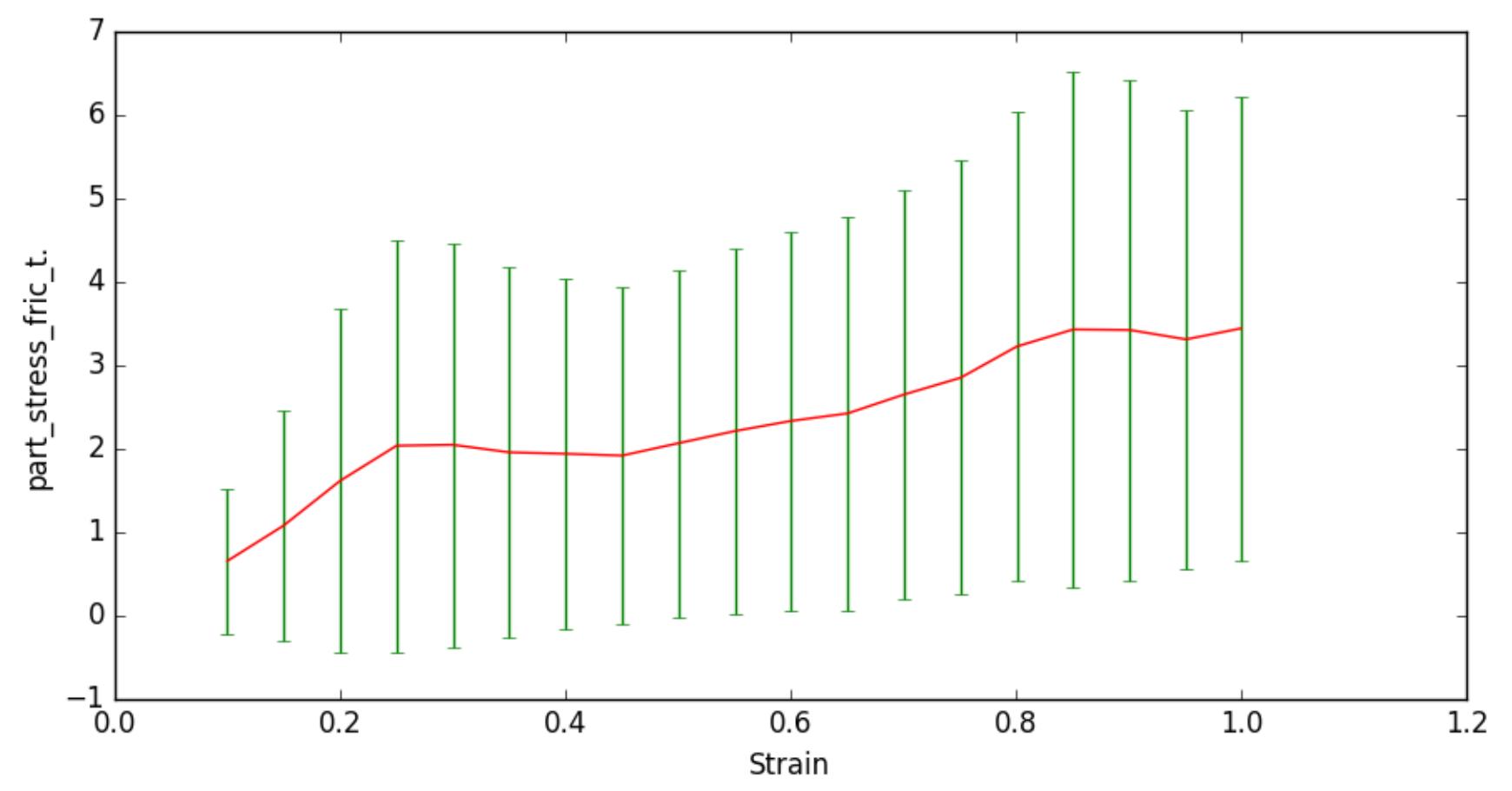
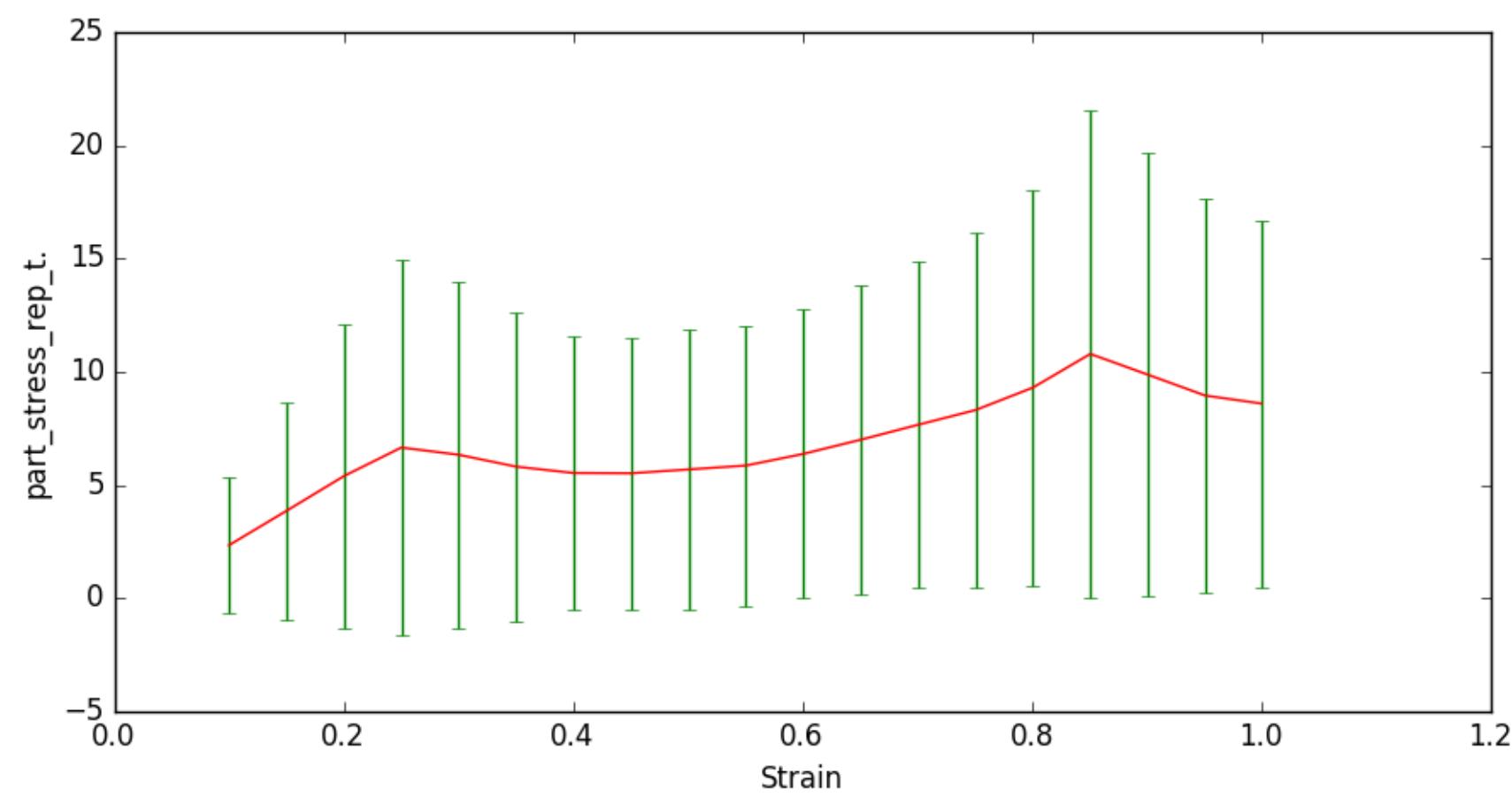
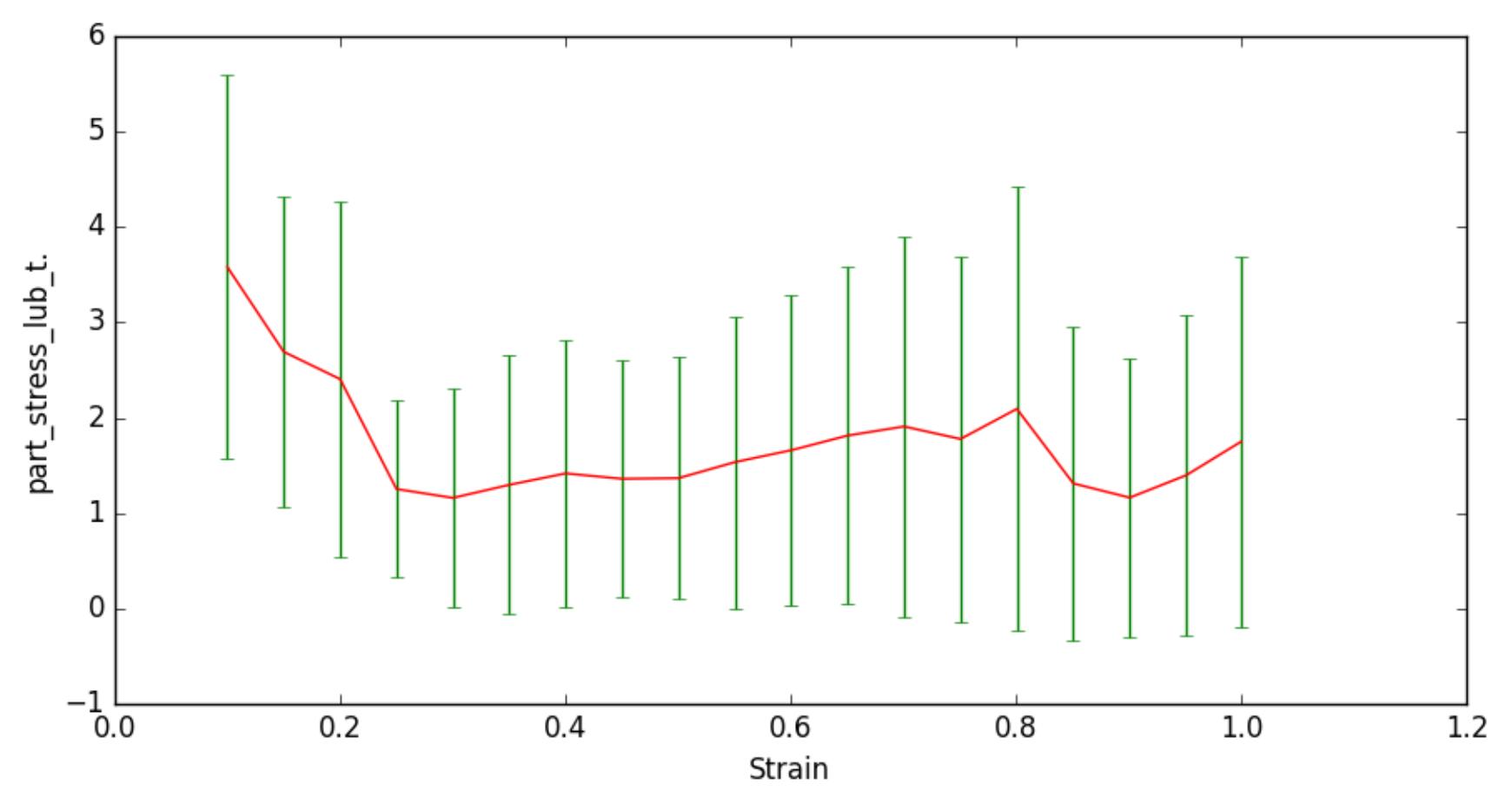
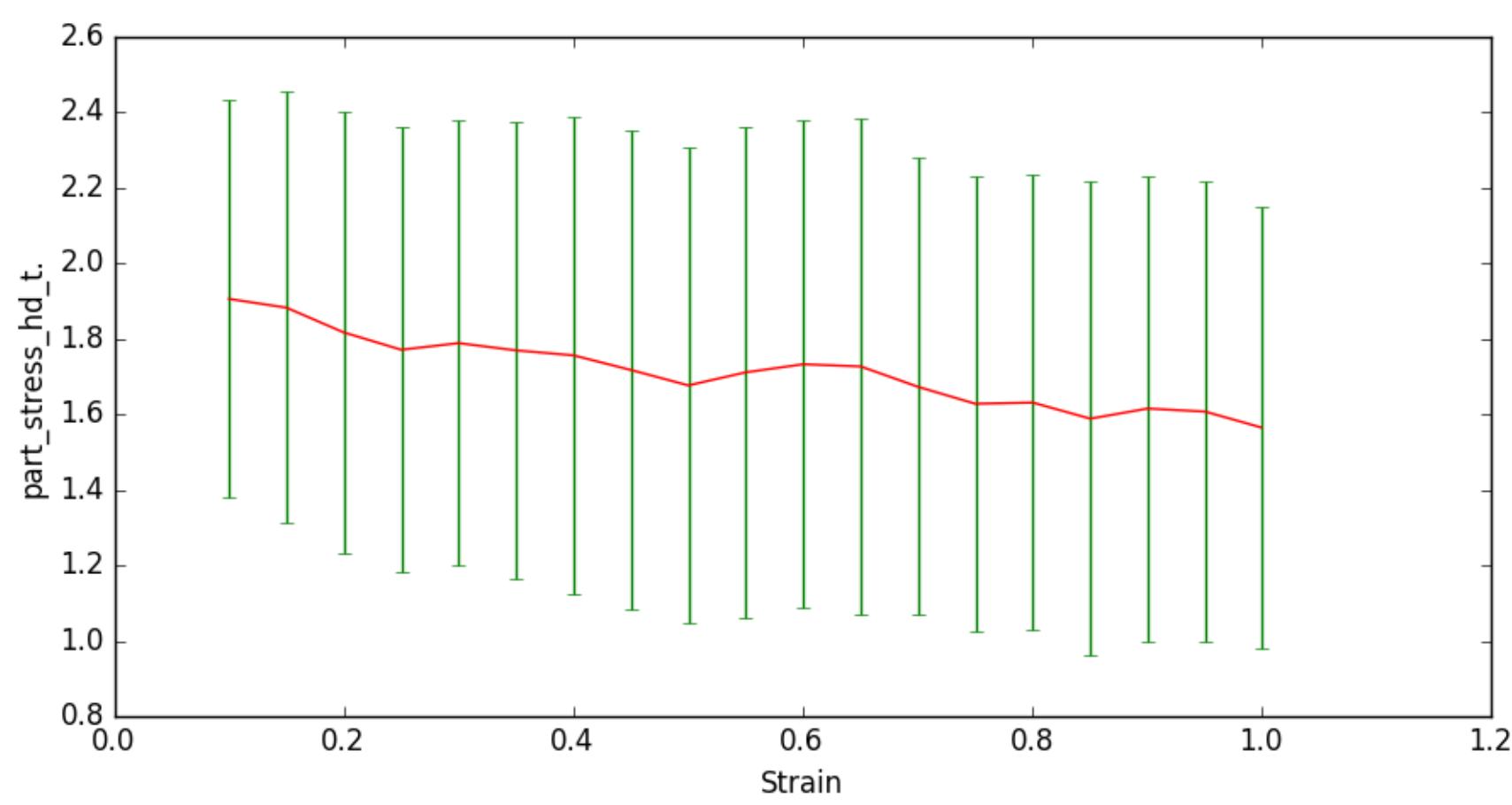
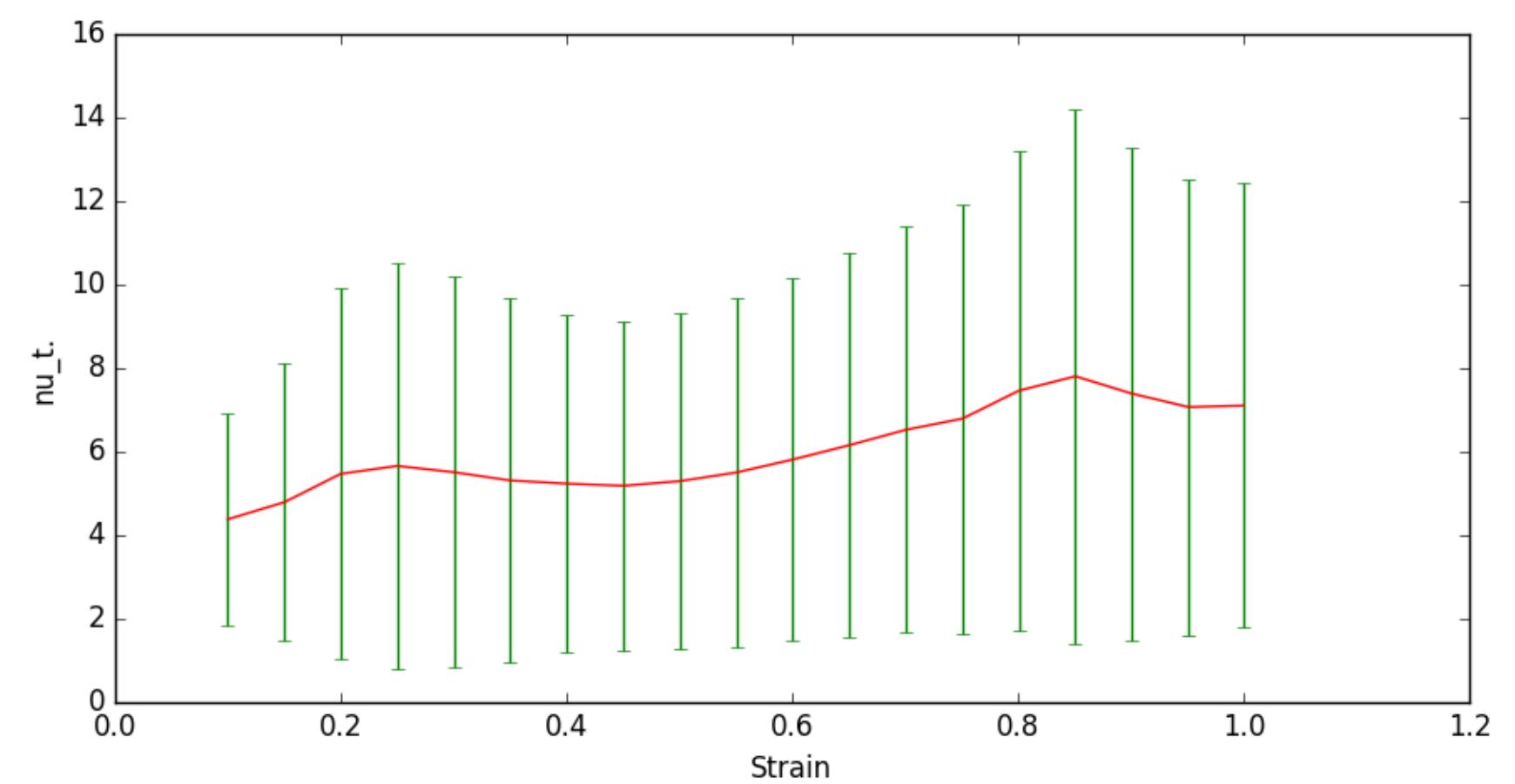
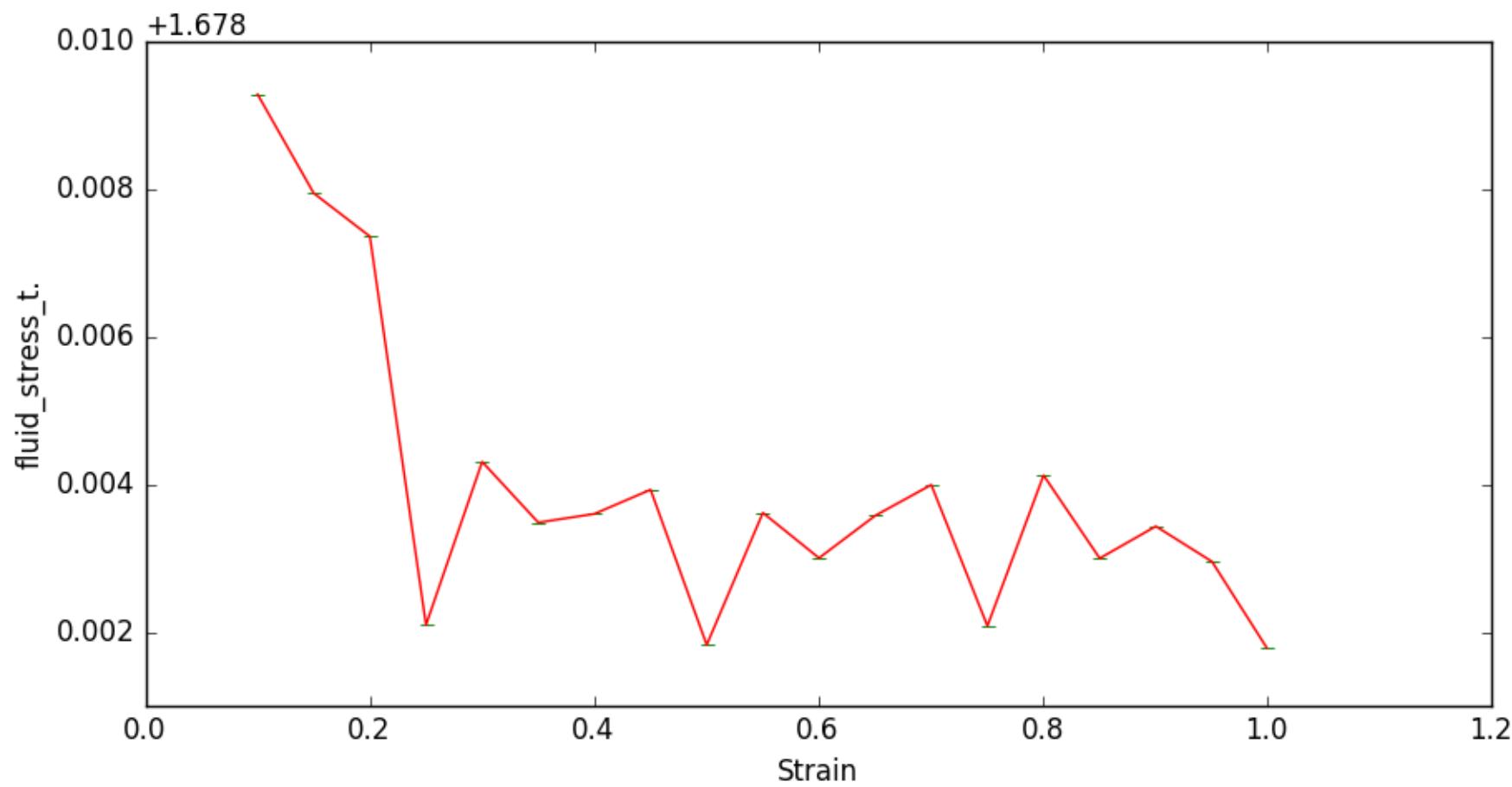
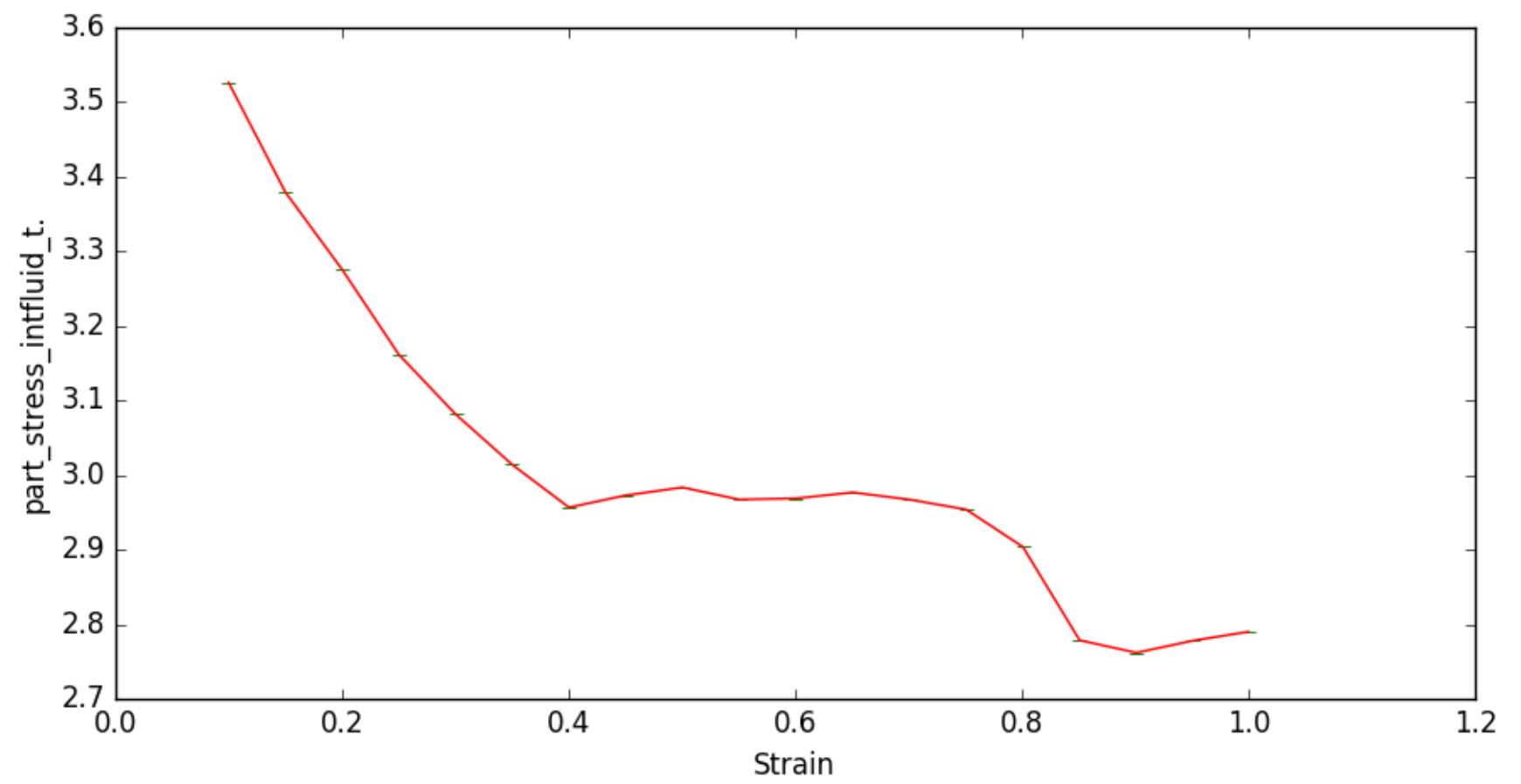
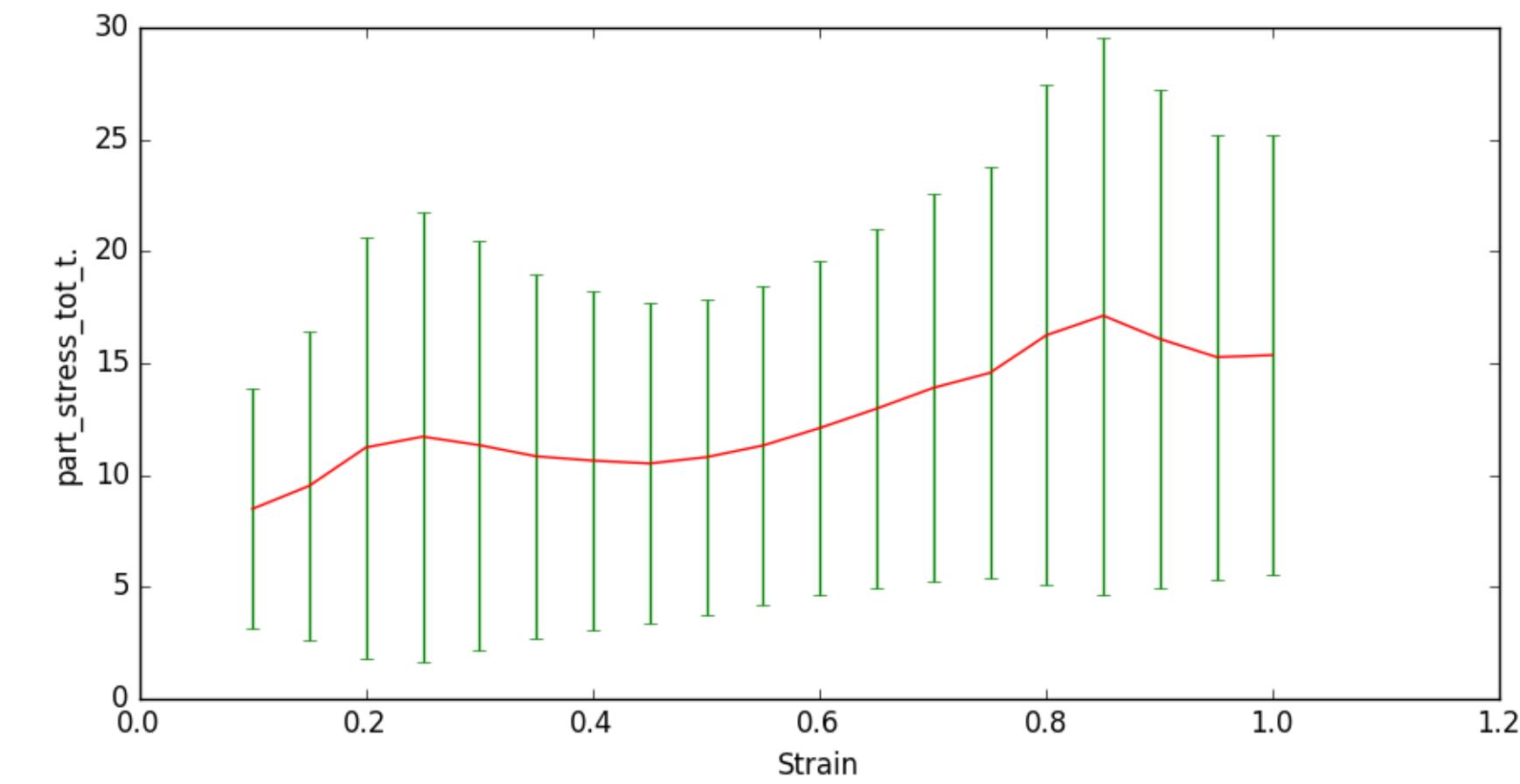
Second Normal Stress Difference $S_{zz} - S_{yy}$ (Pa)

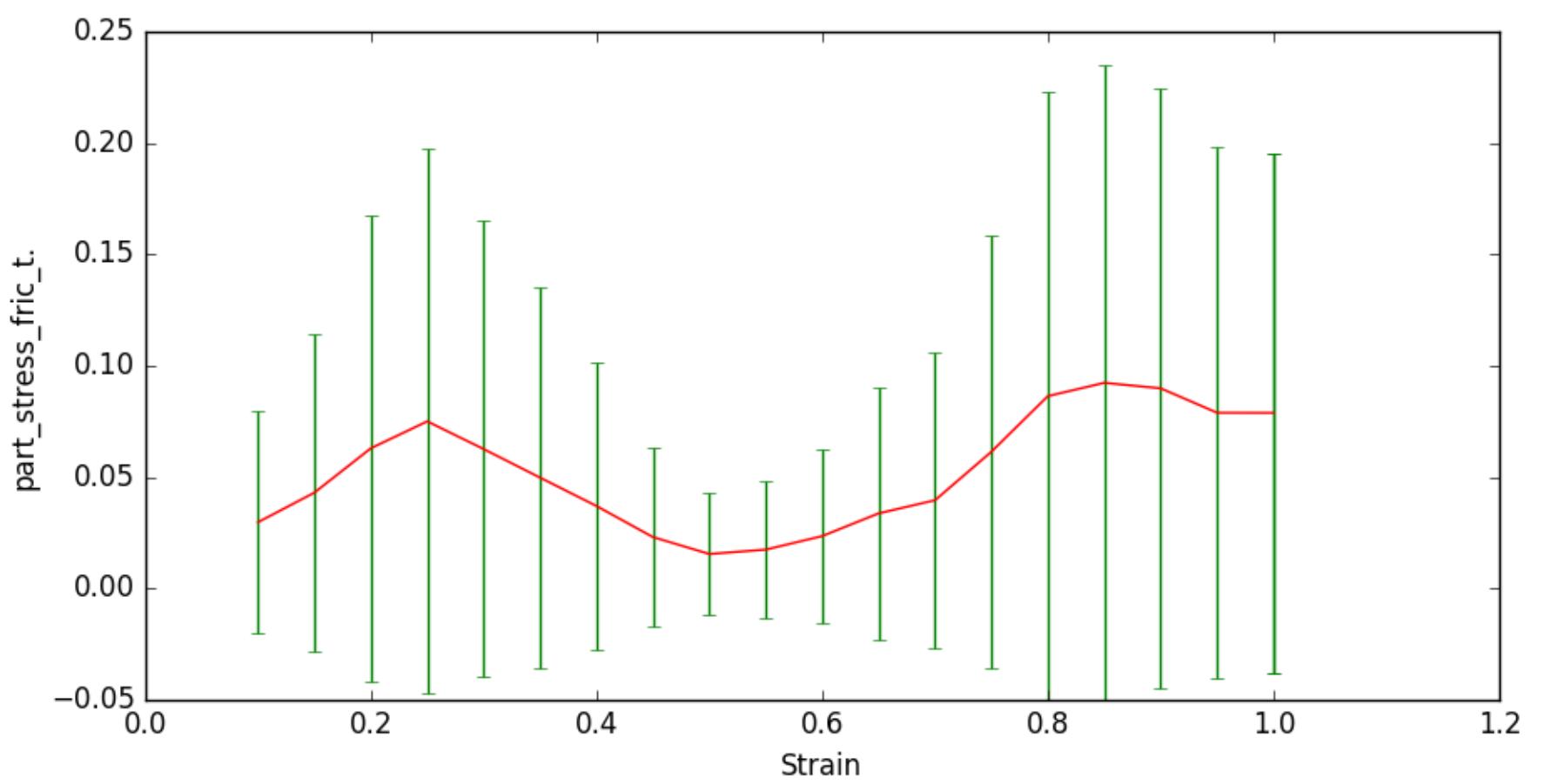
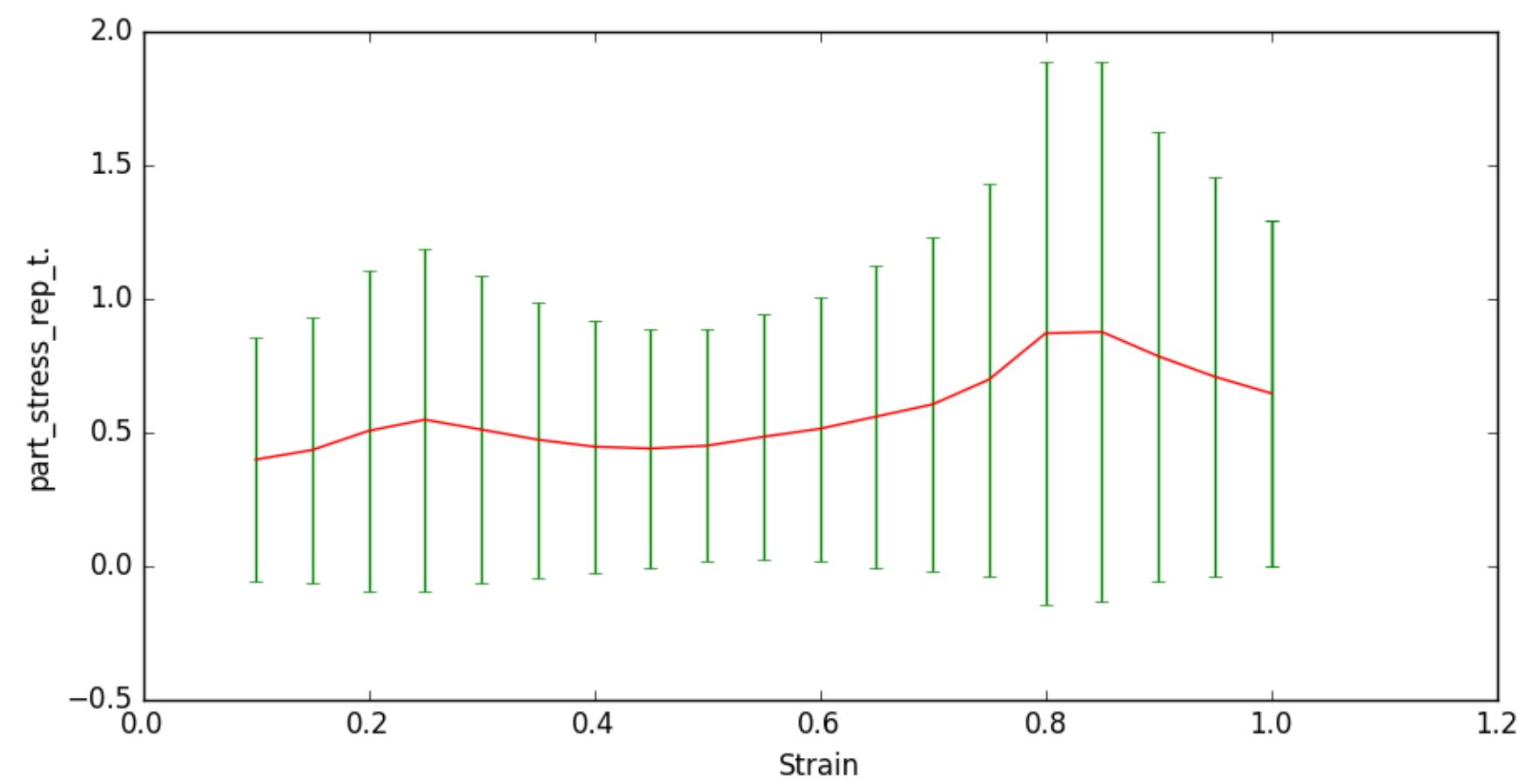
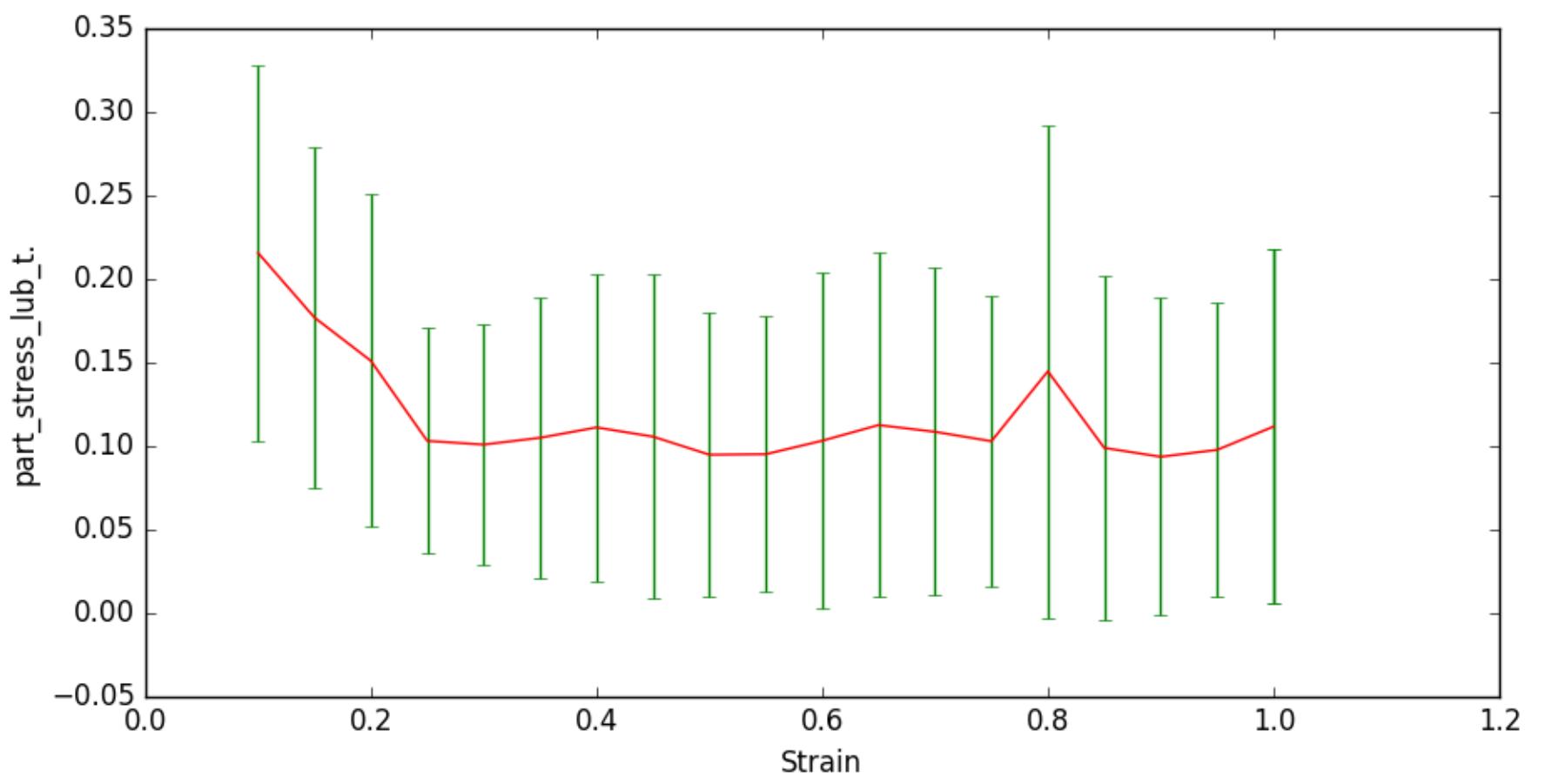
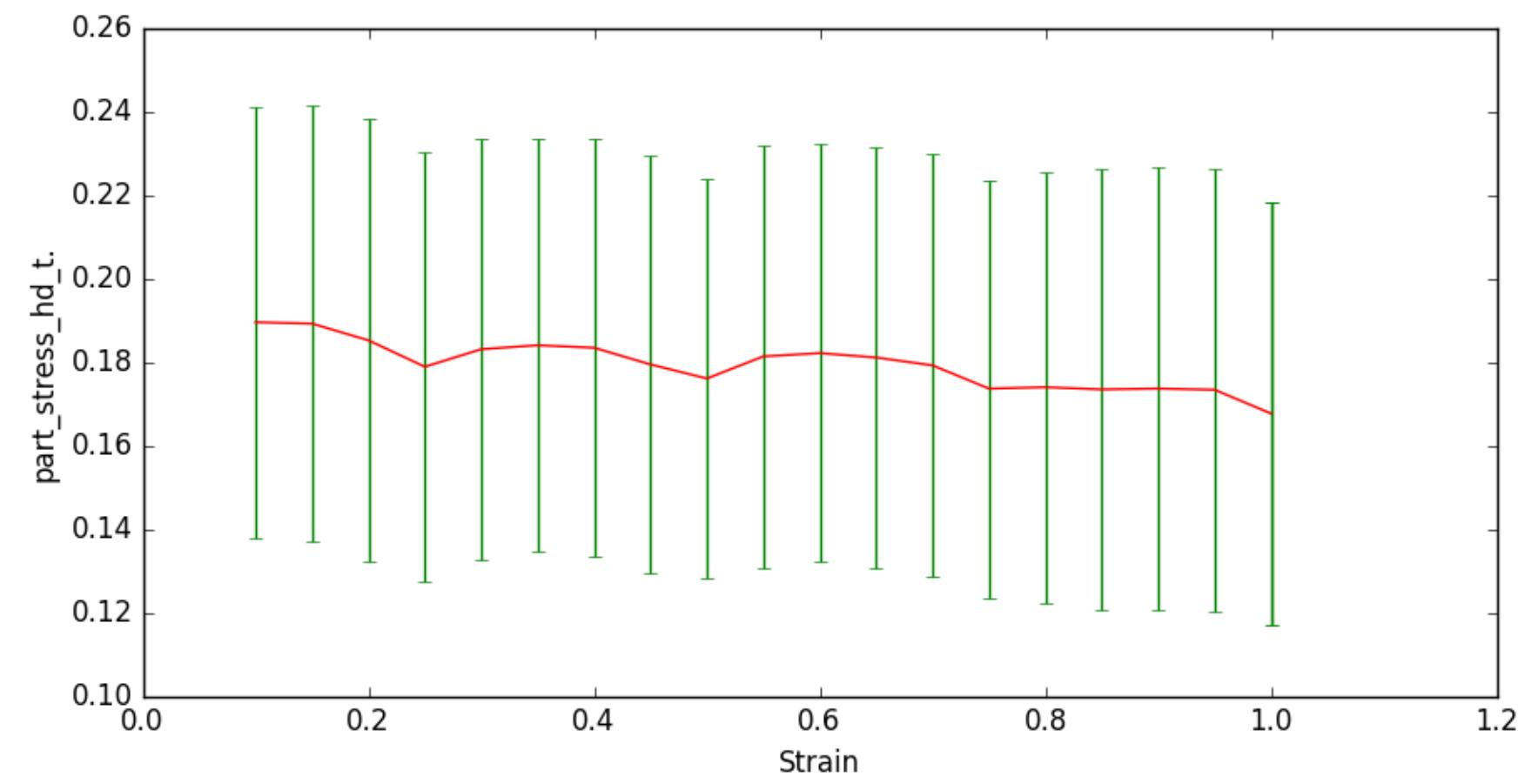
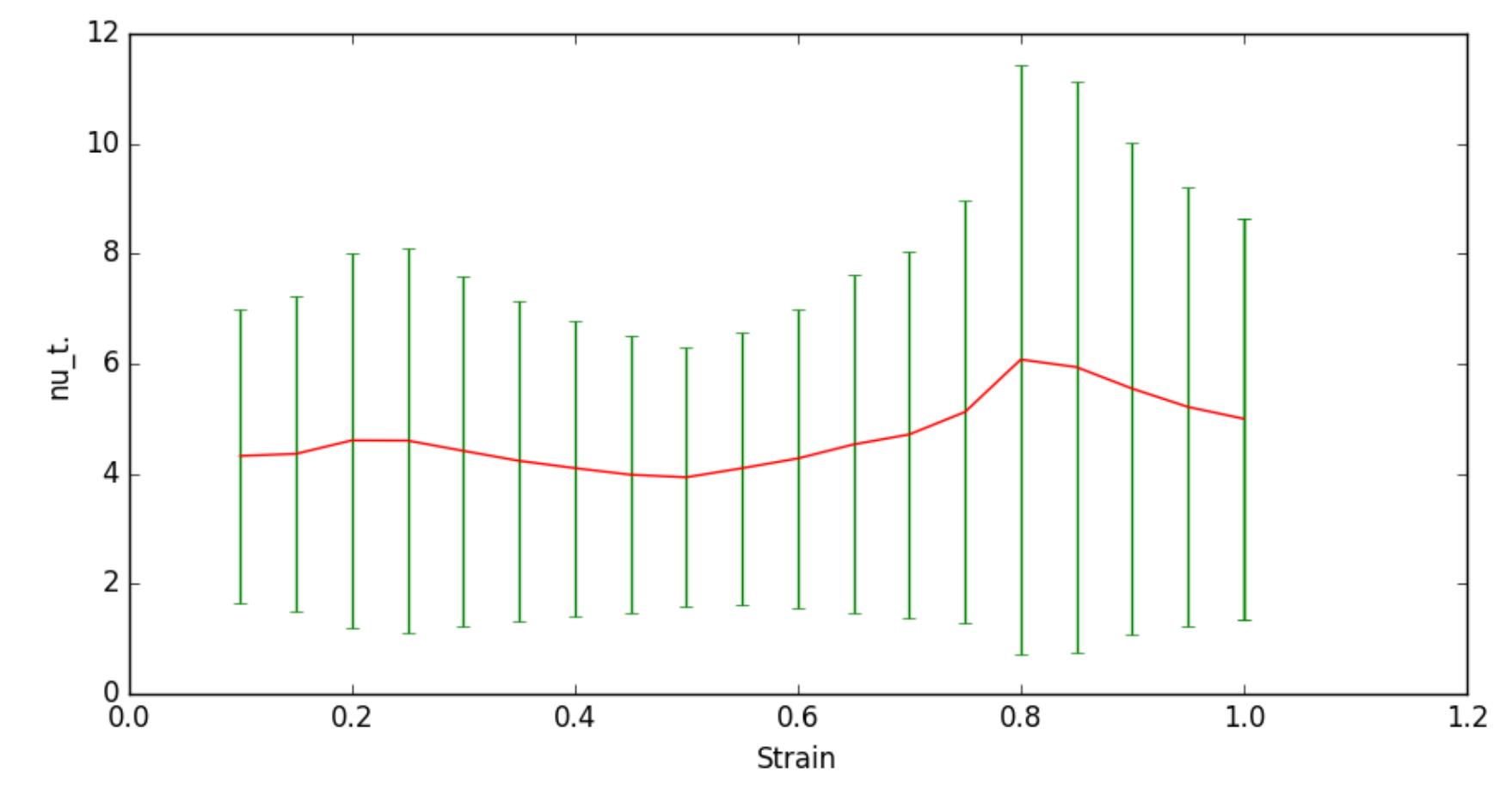
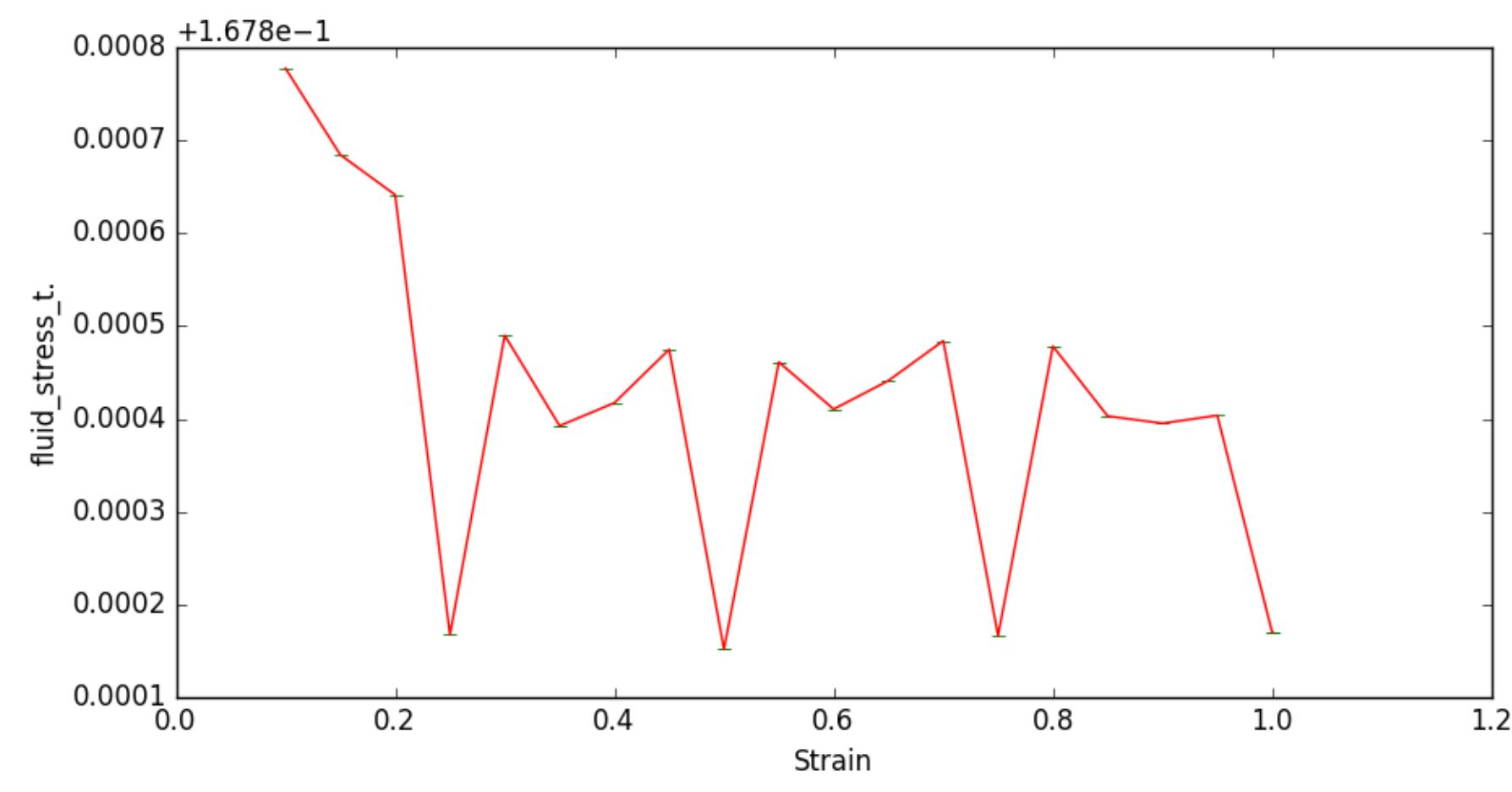
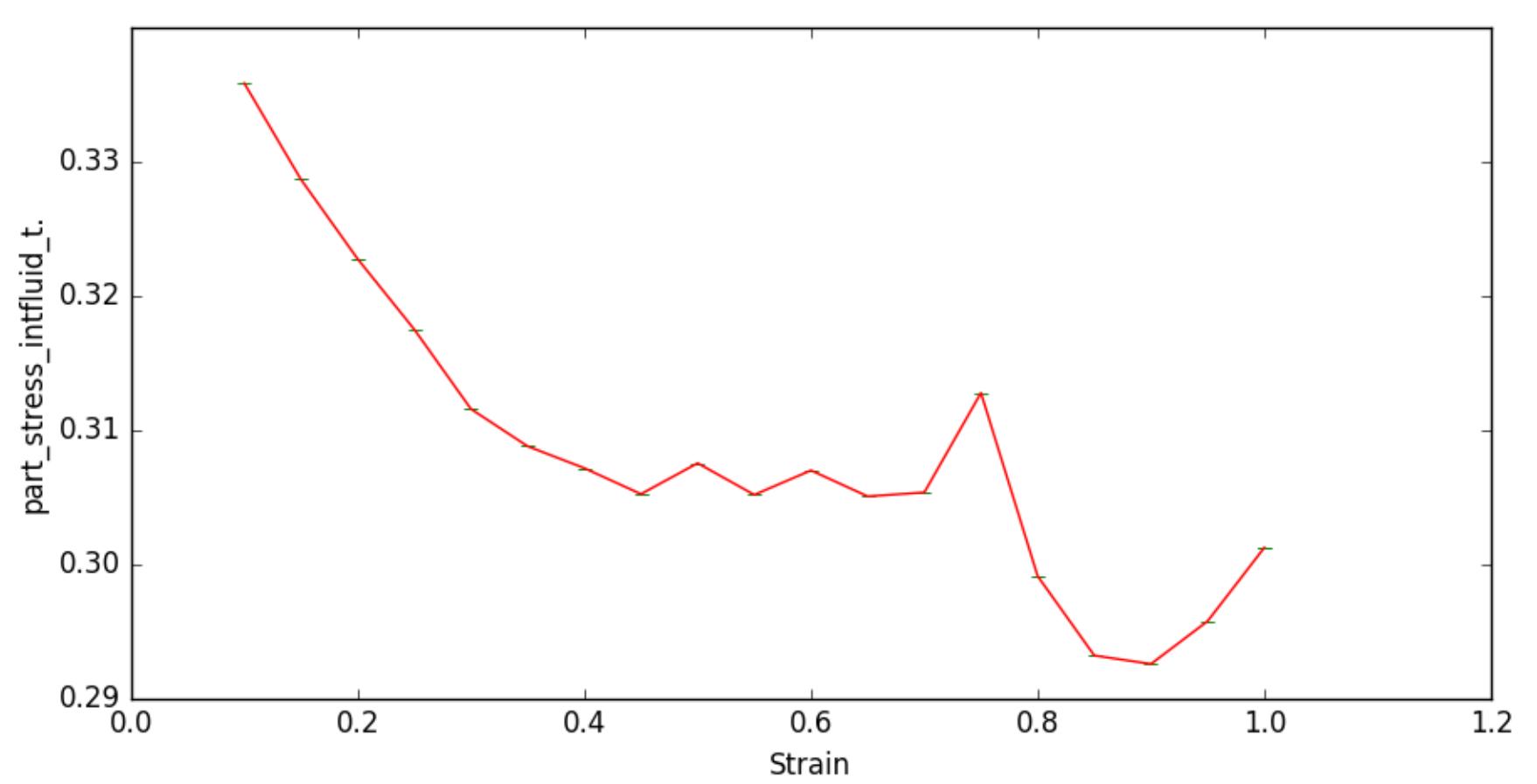
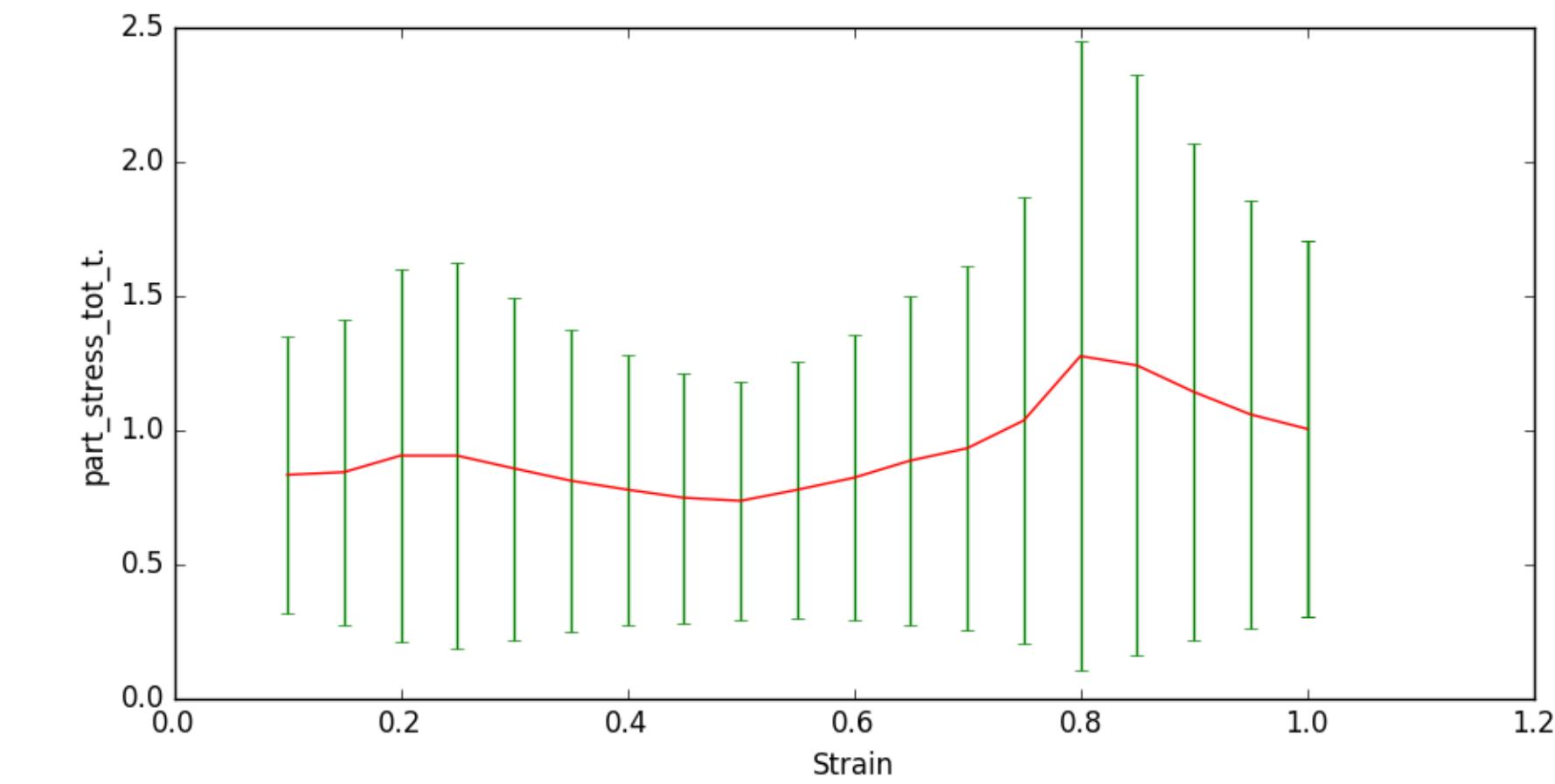


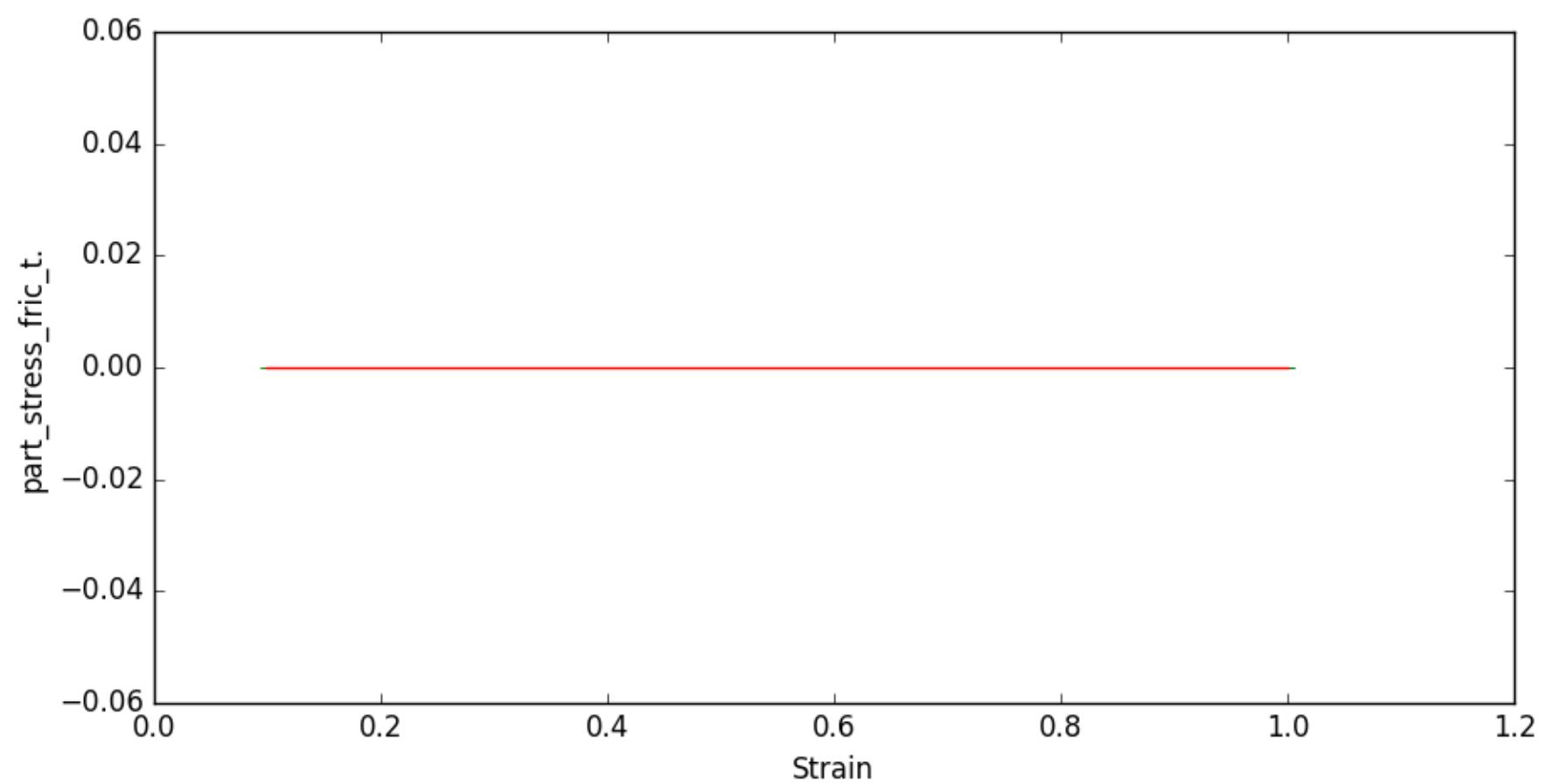
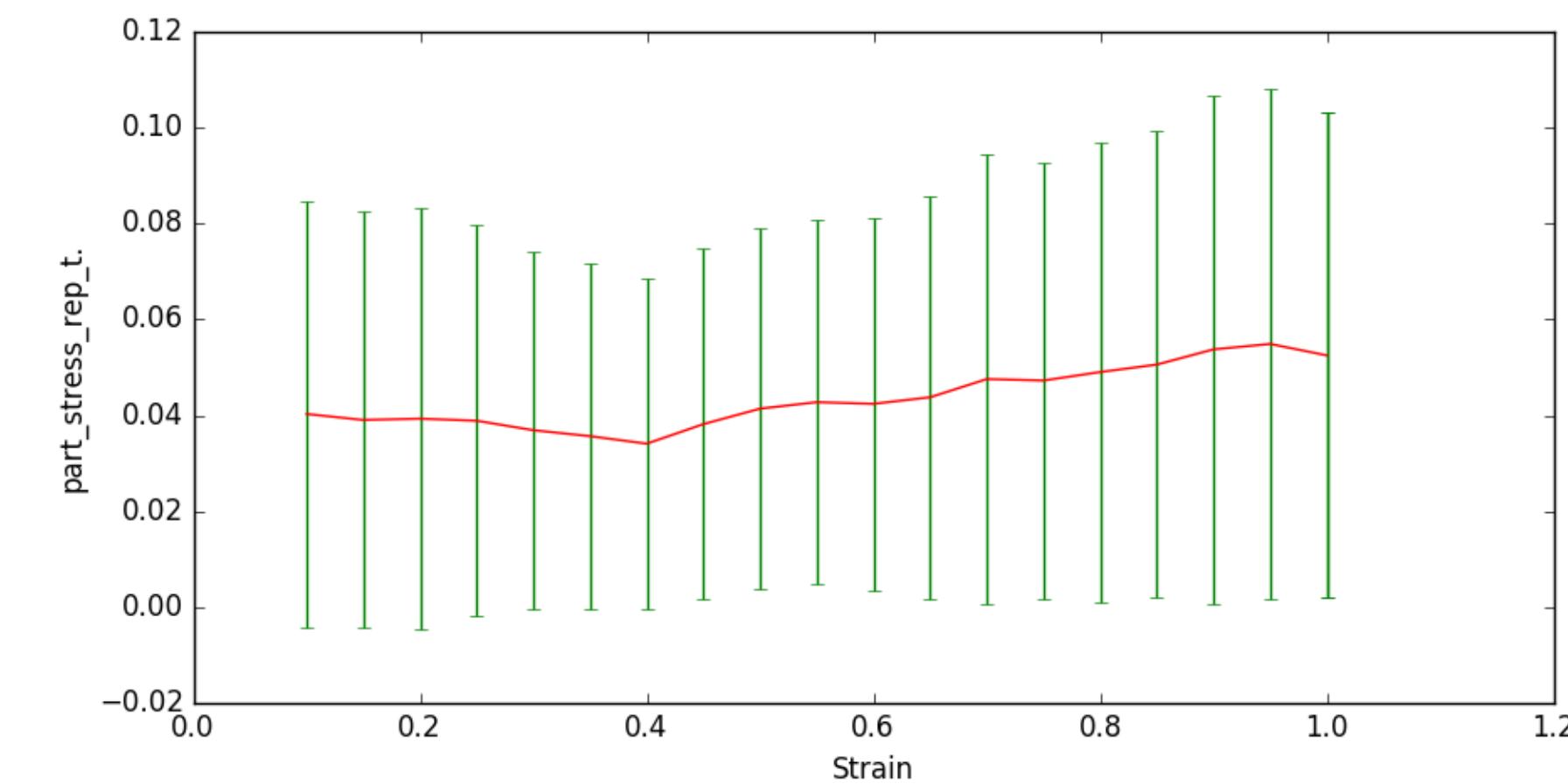
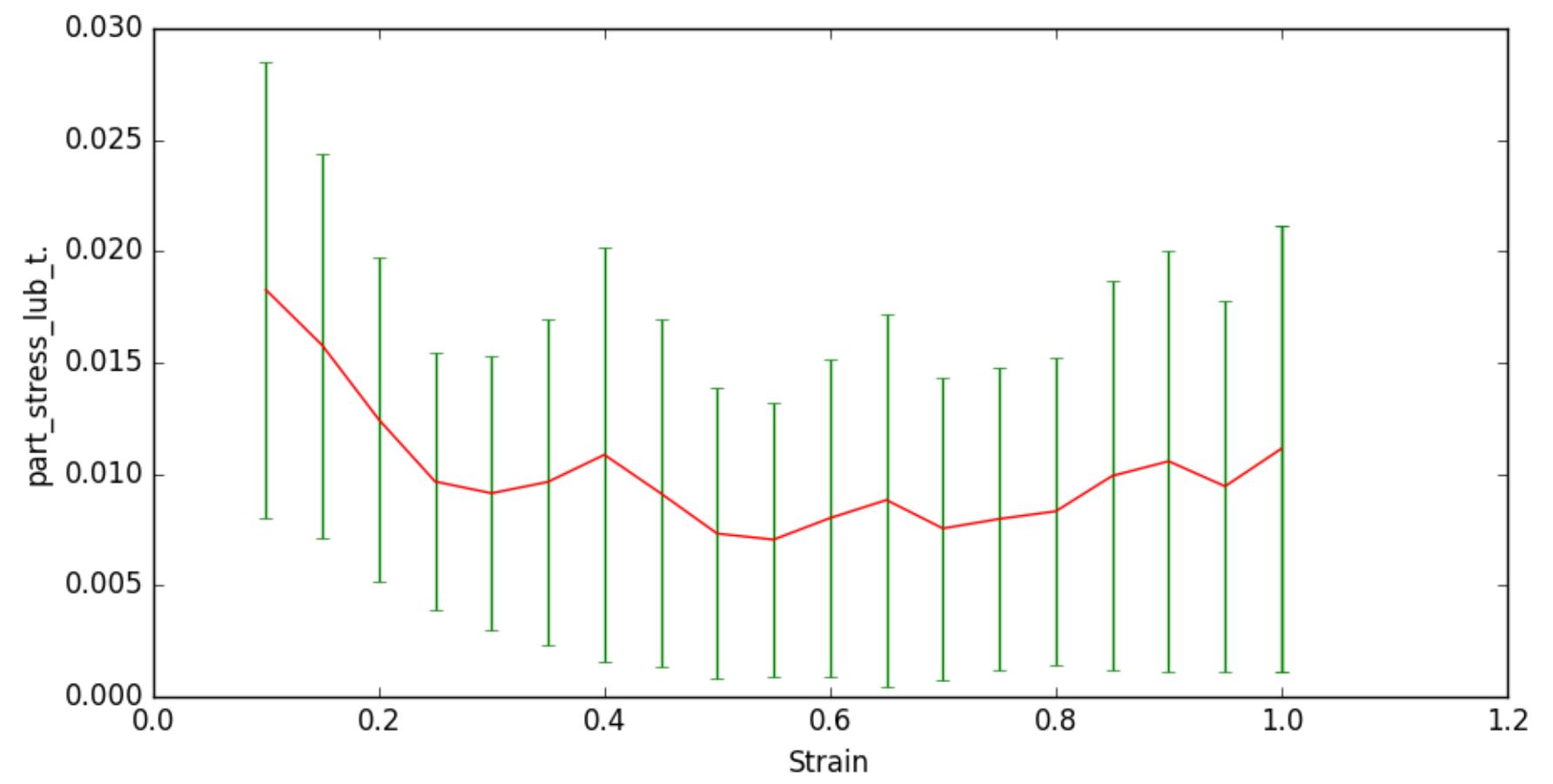
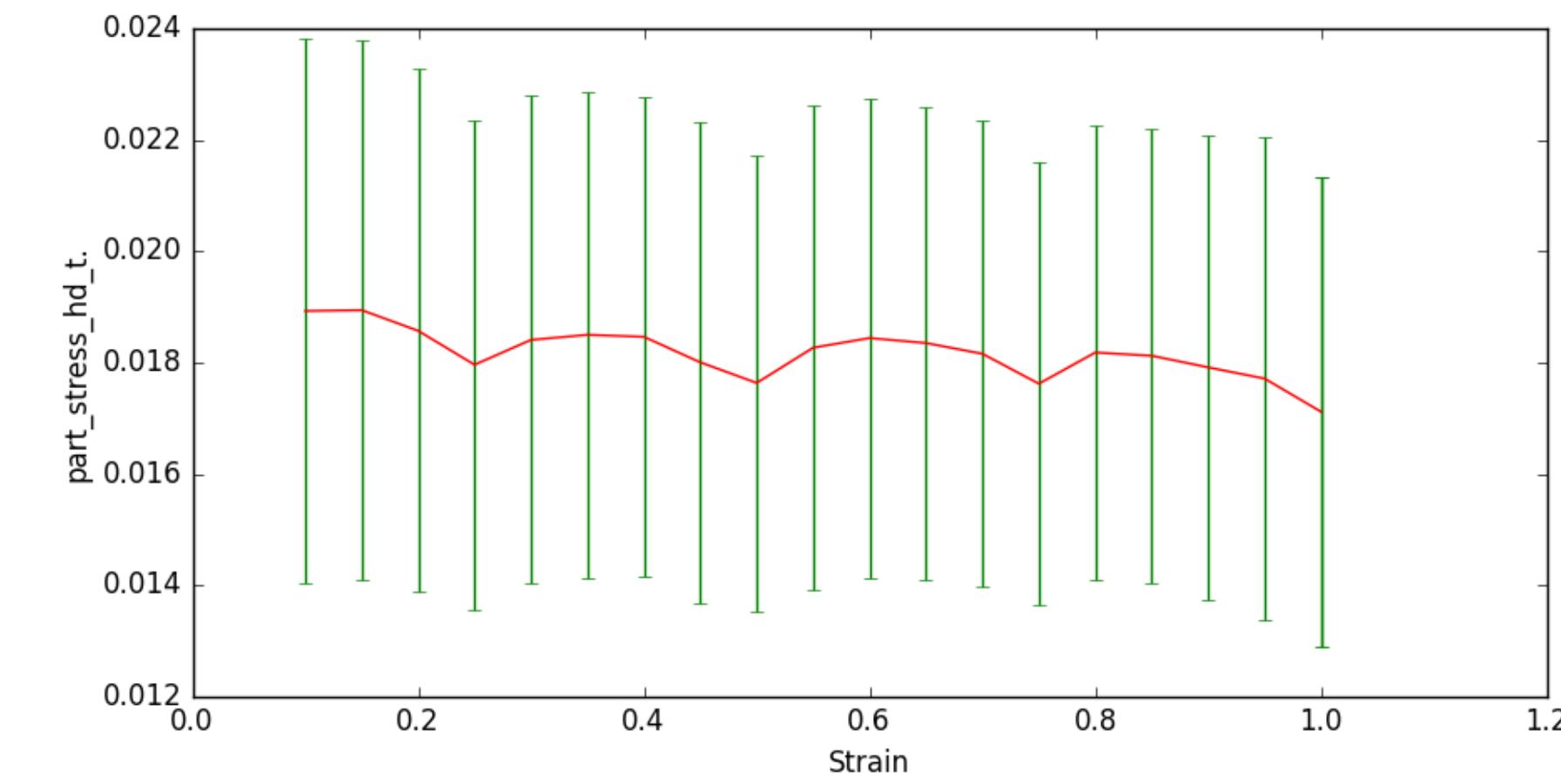
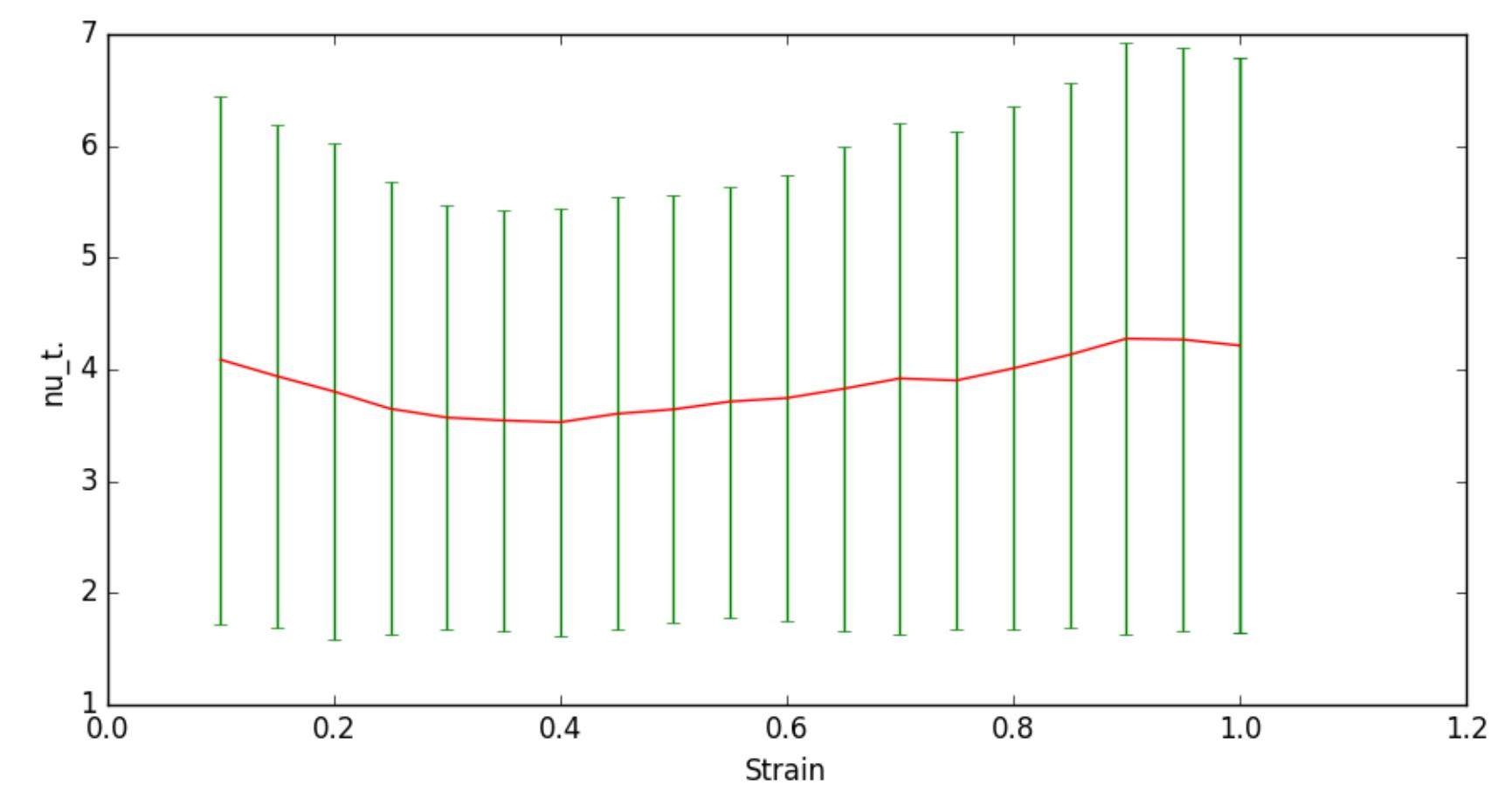
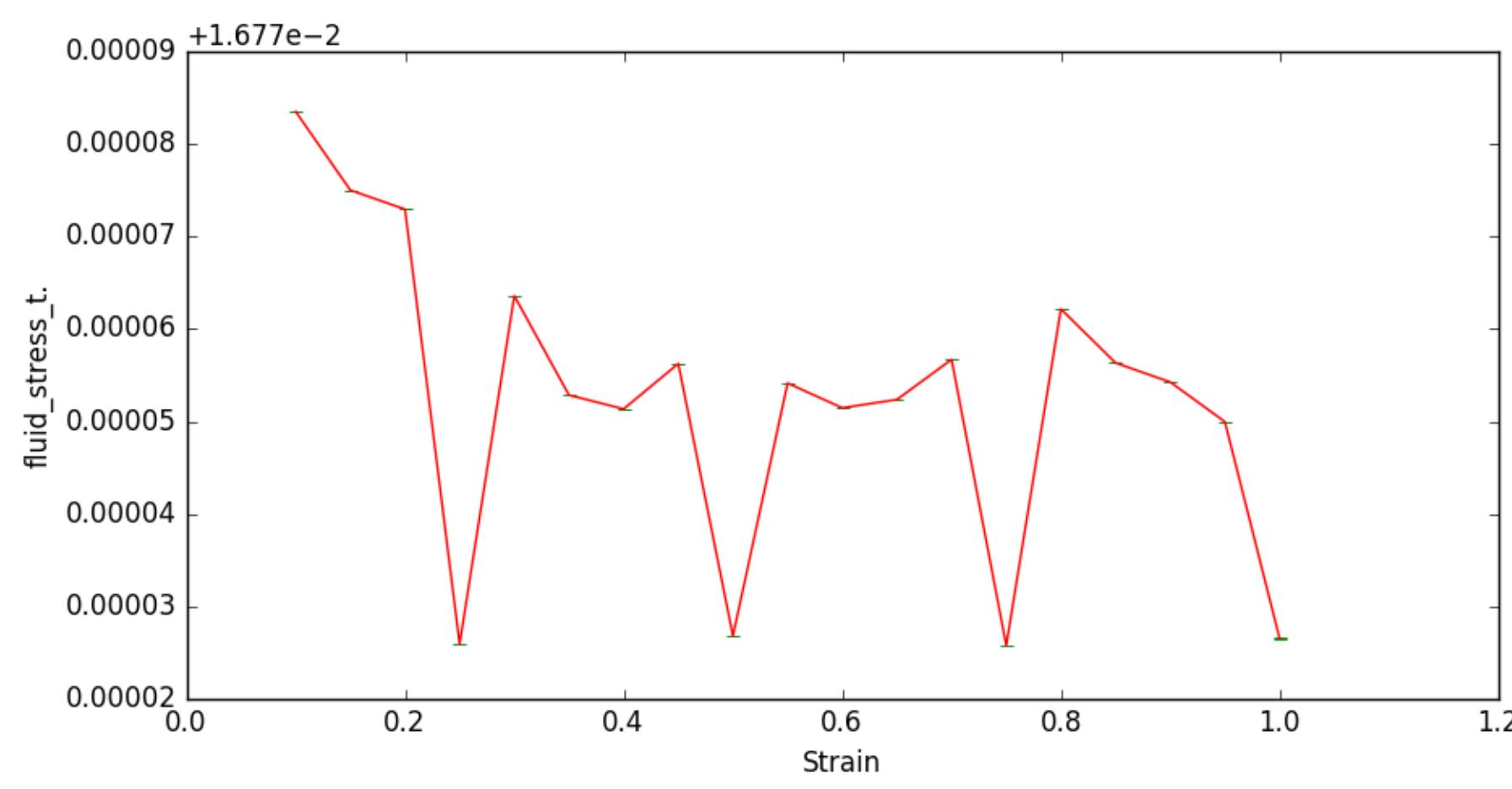
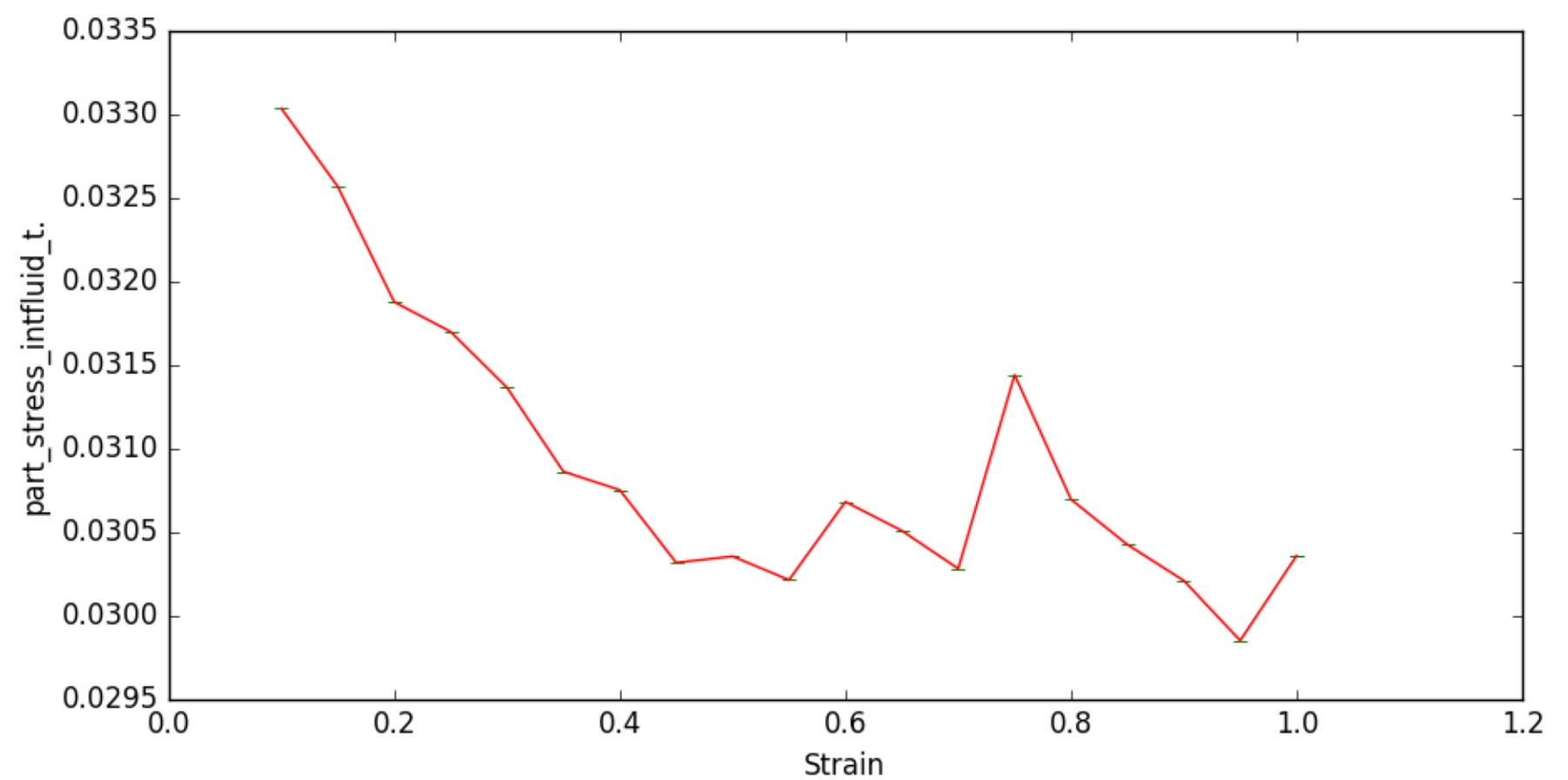
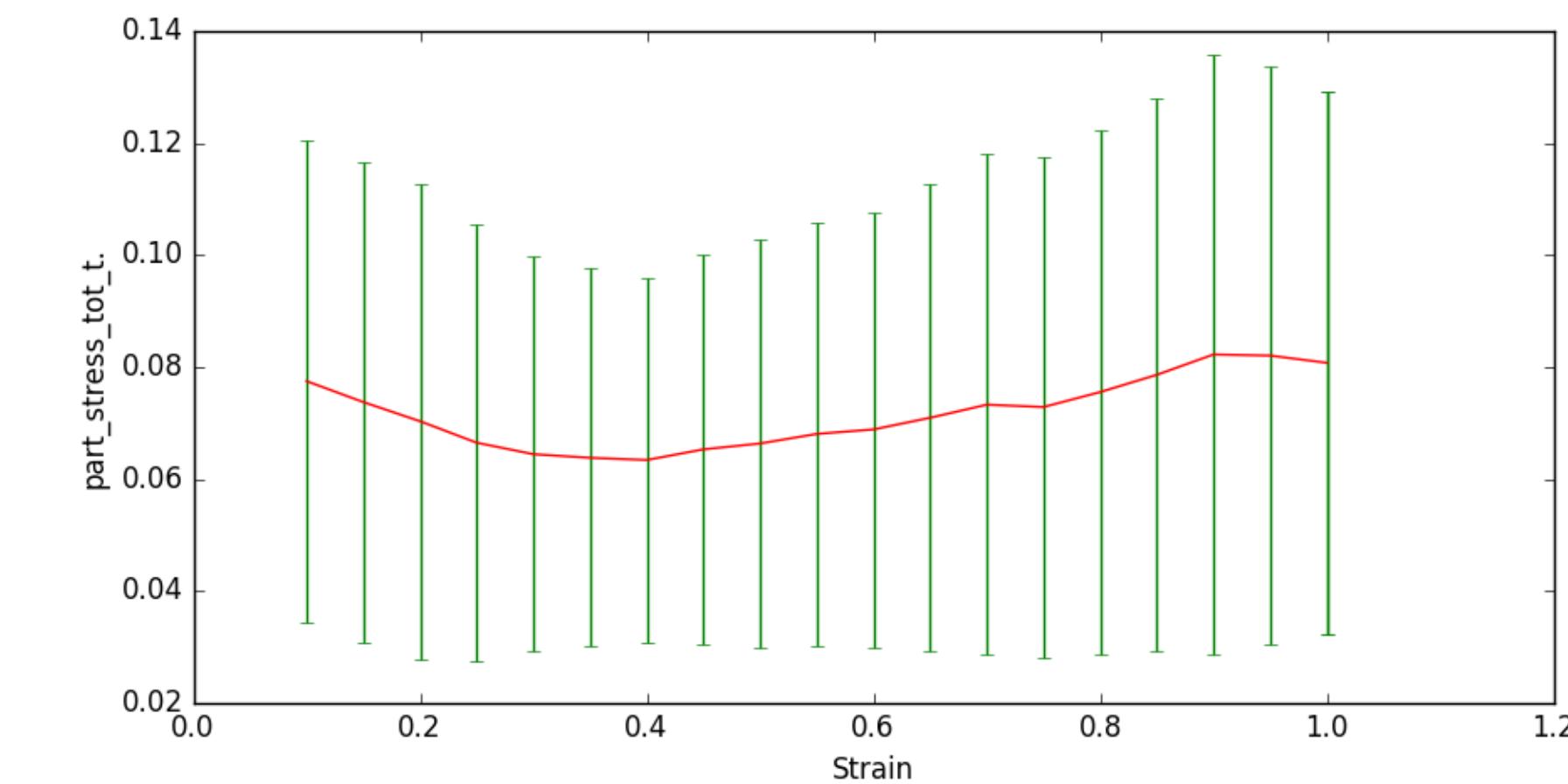


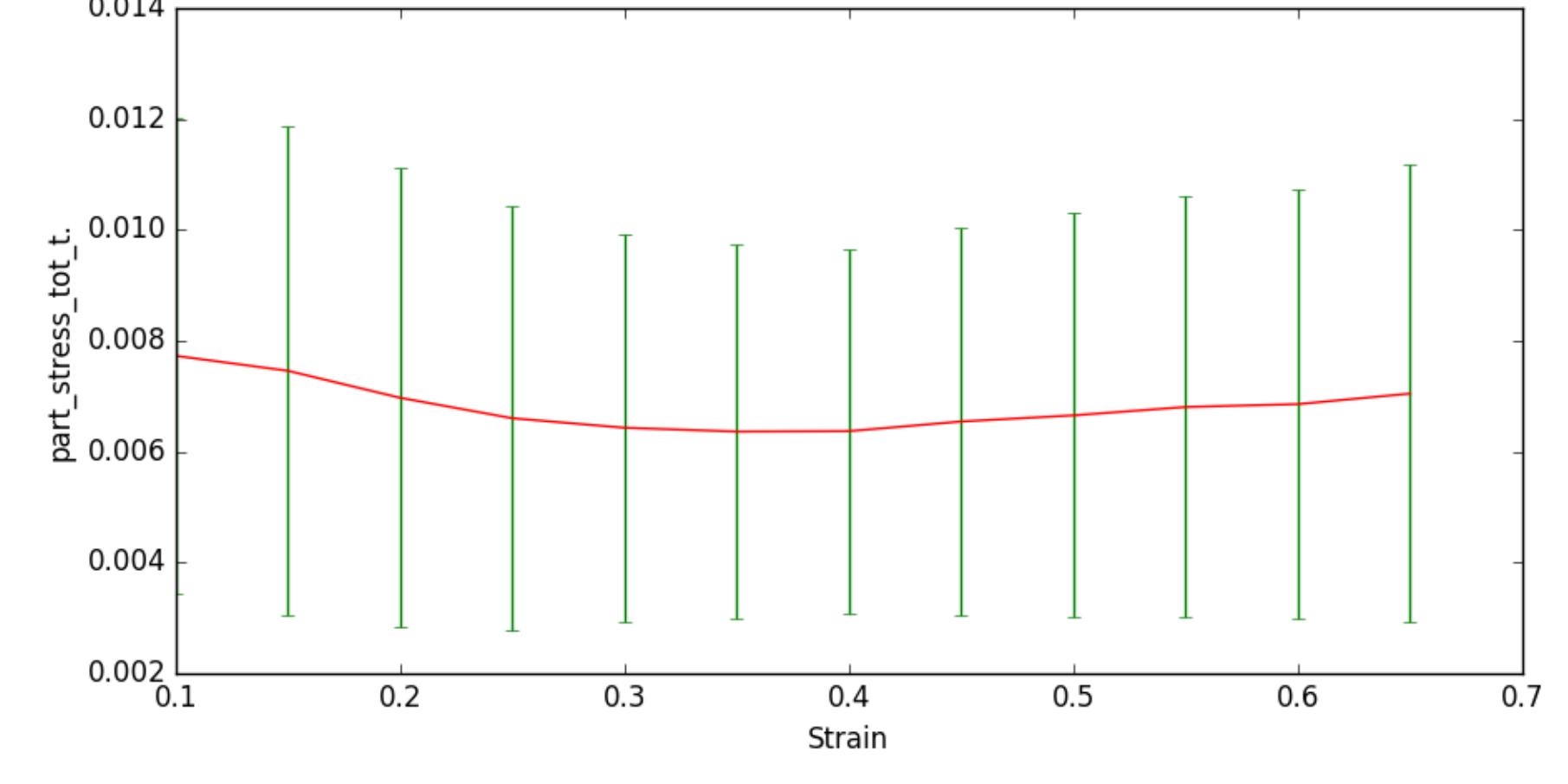
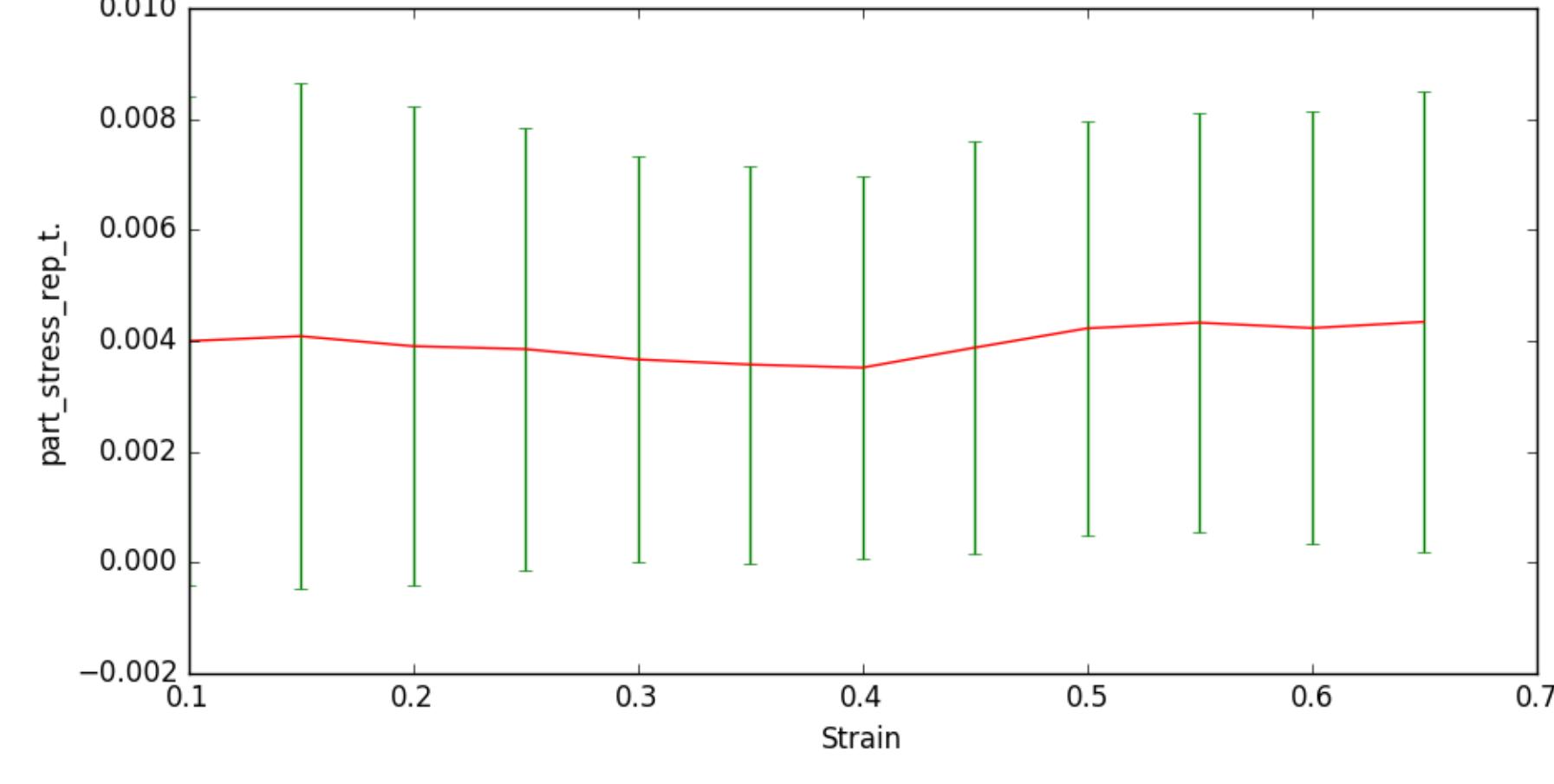
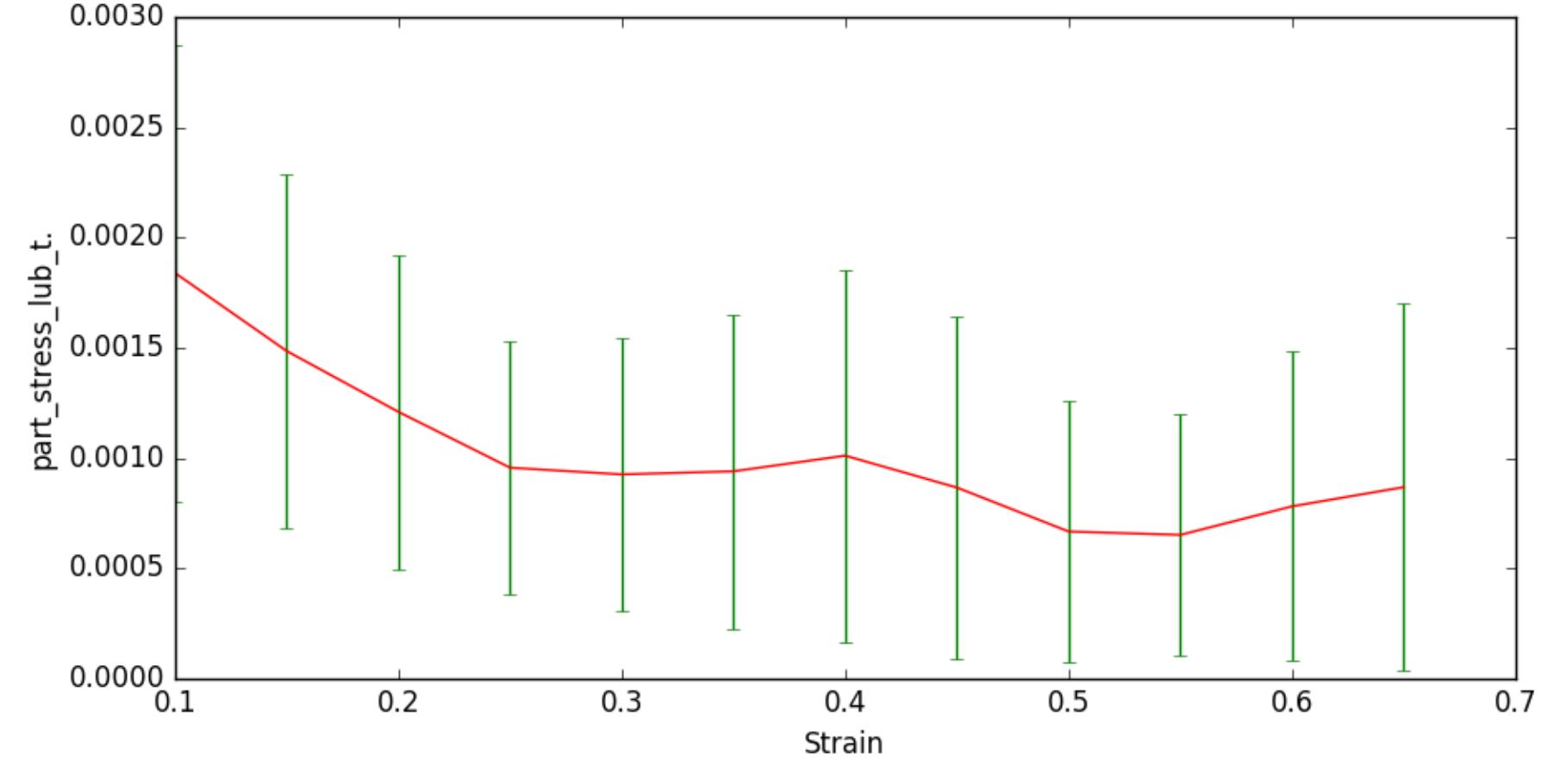
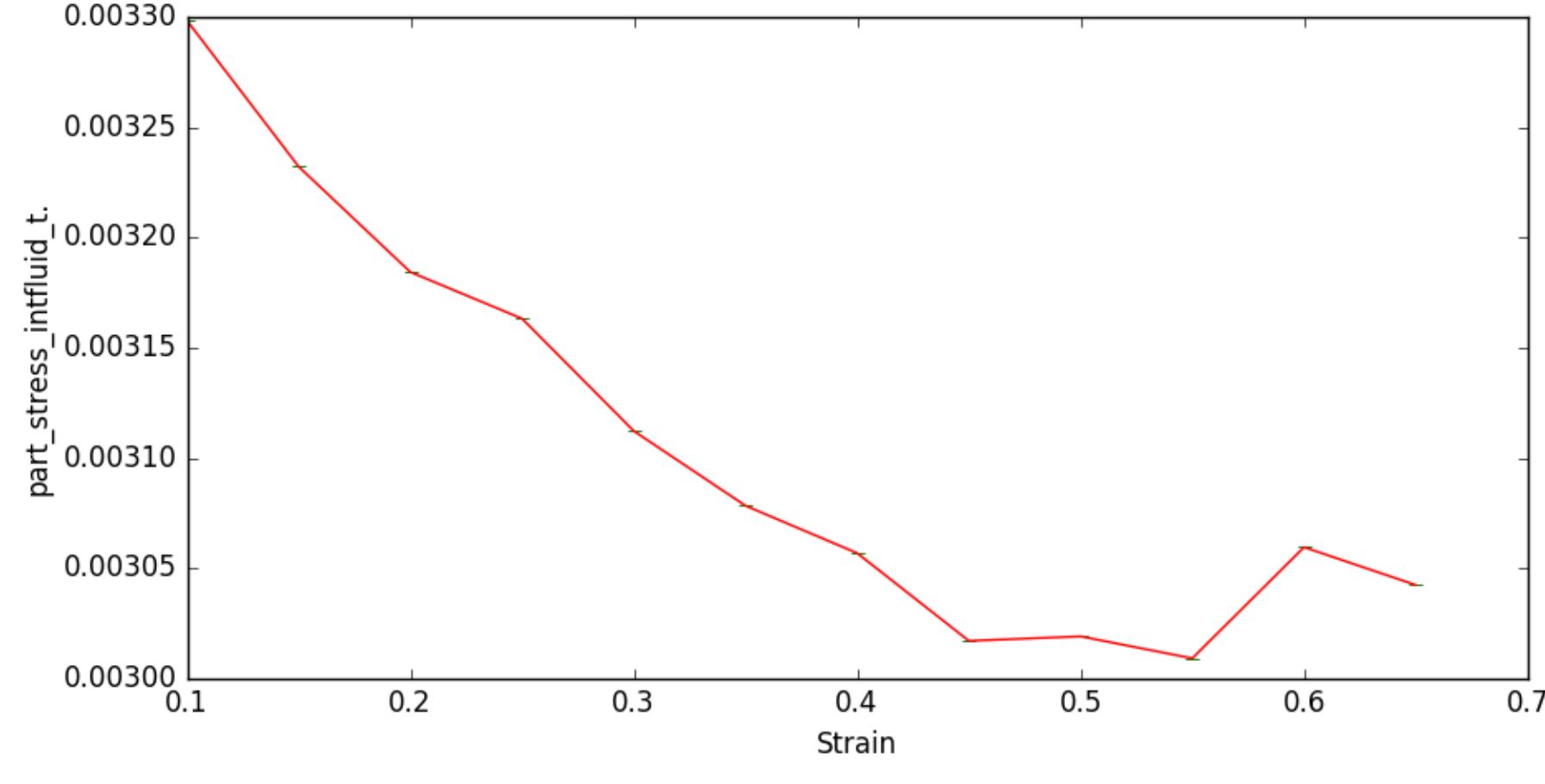
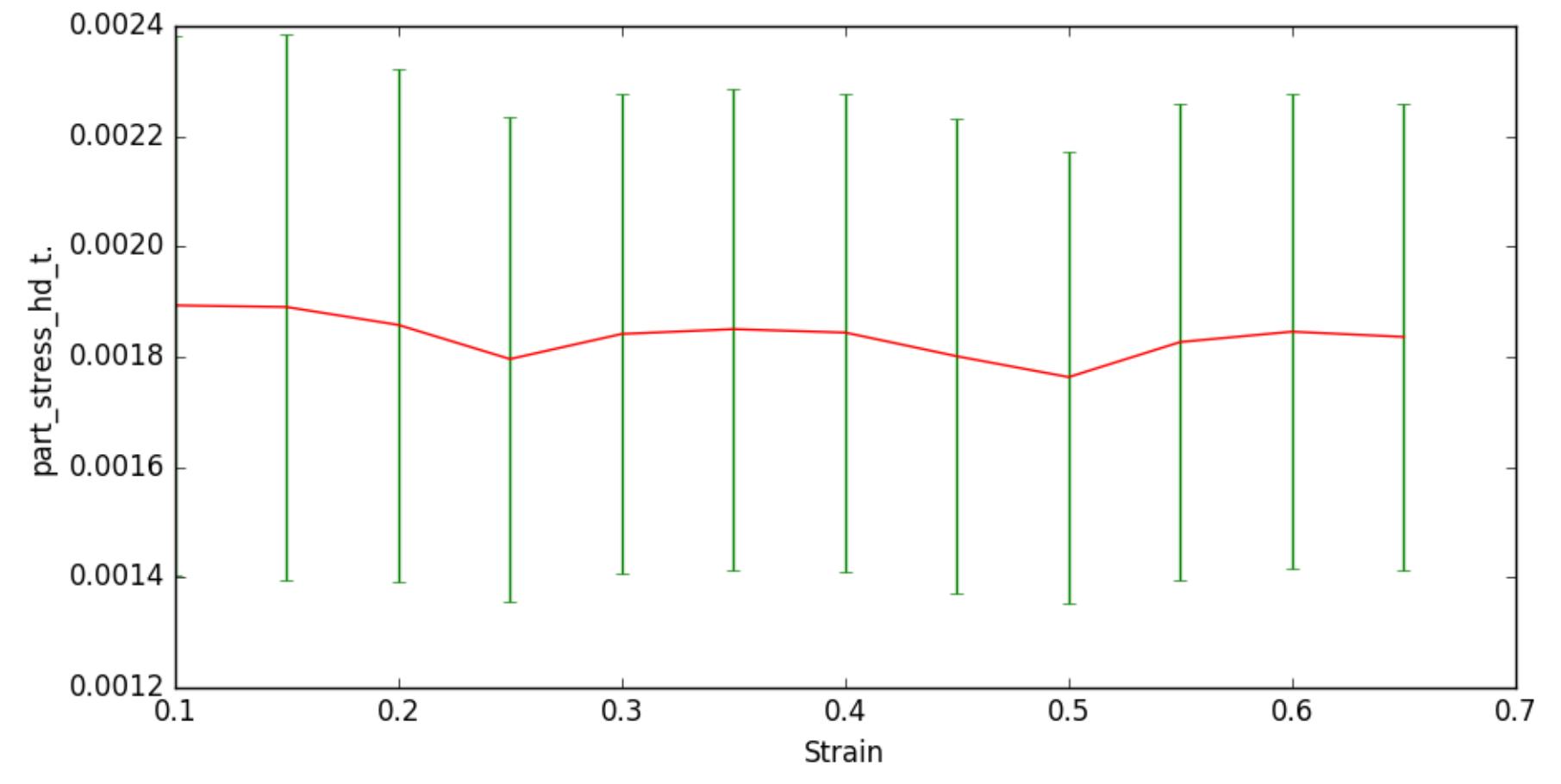
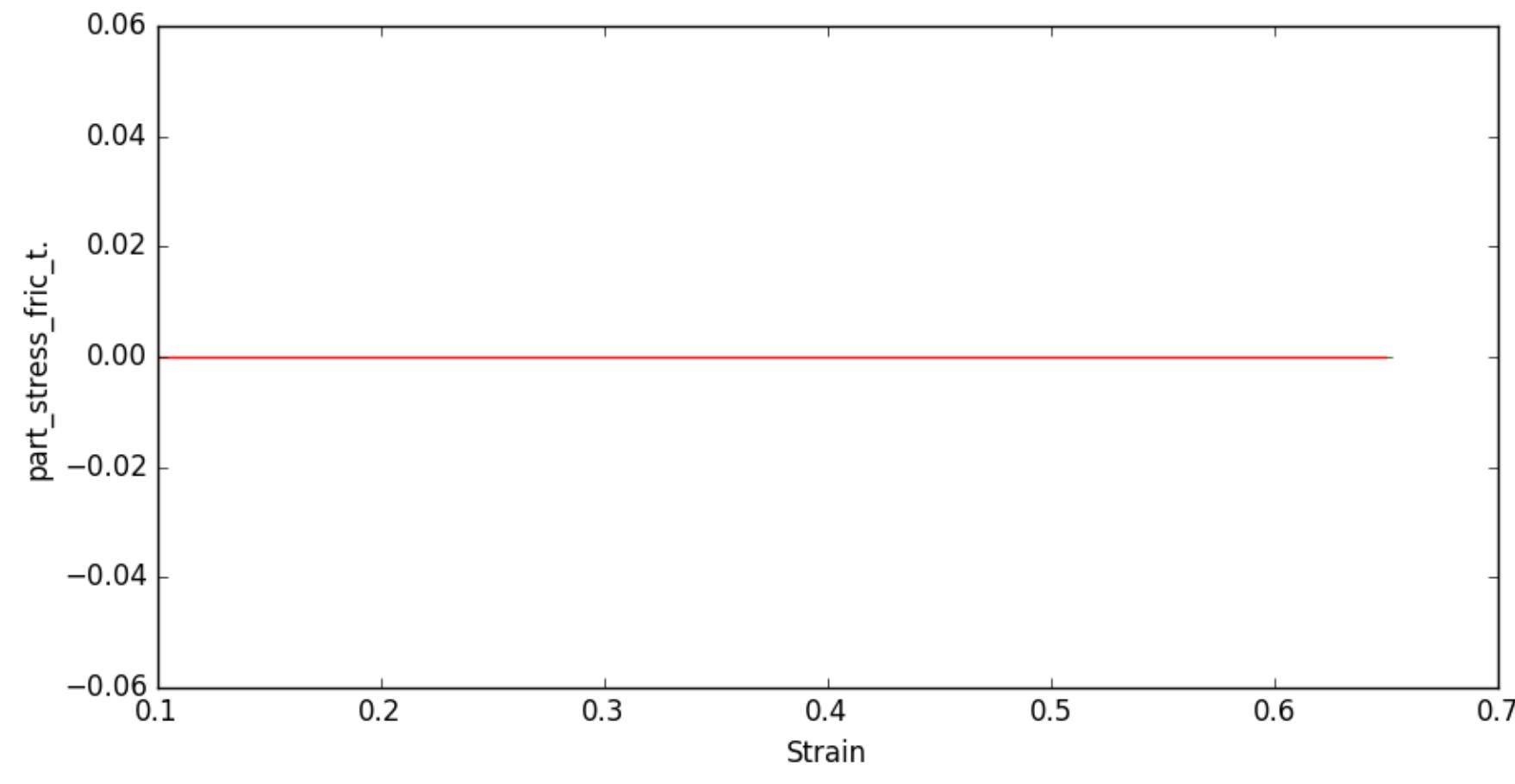
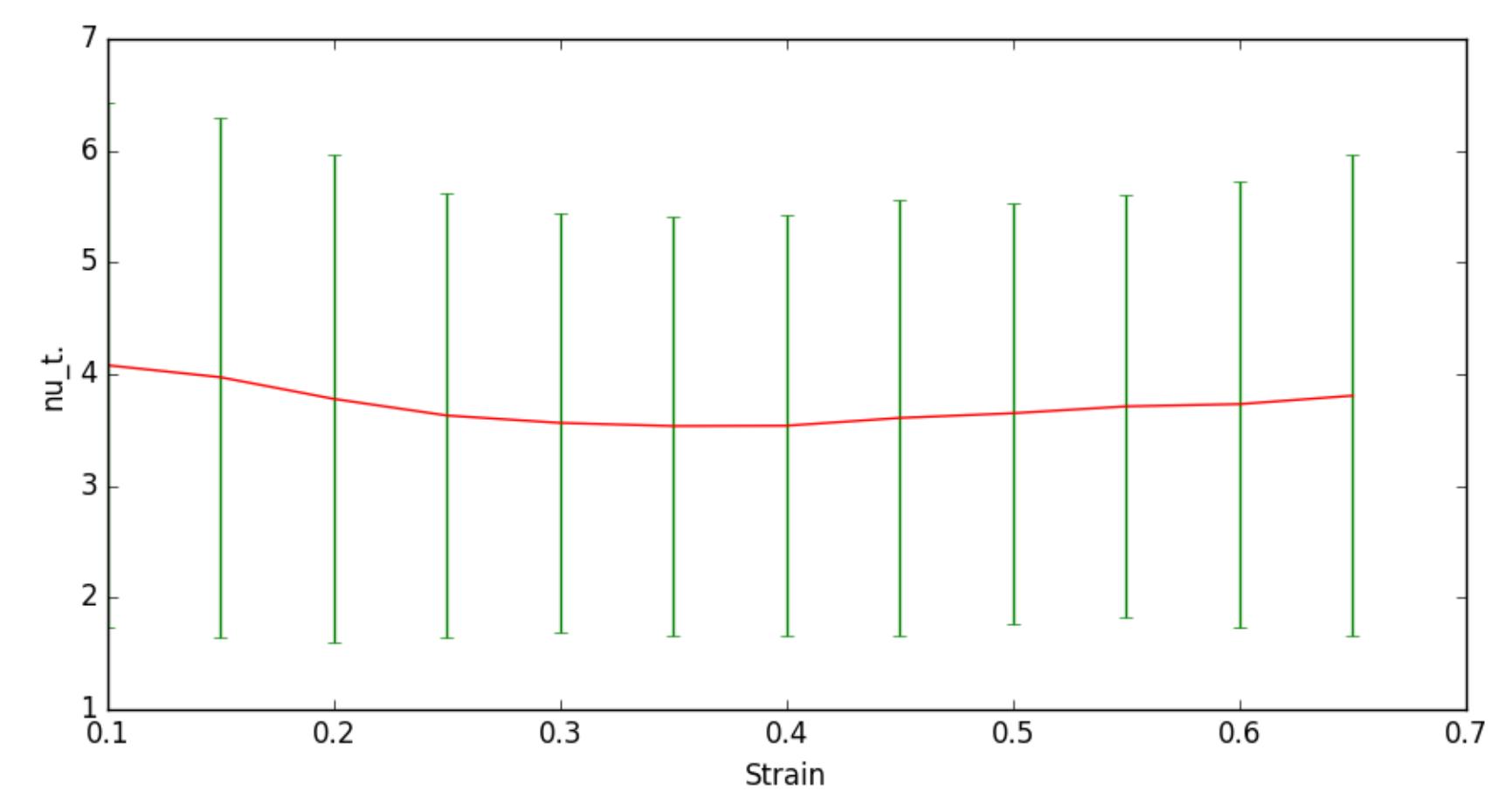
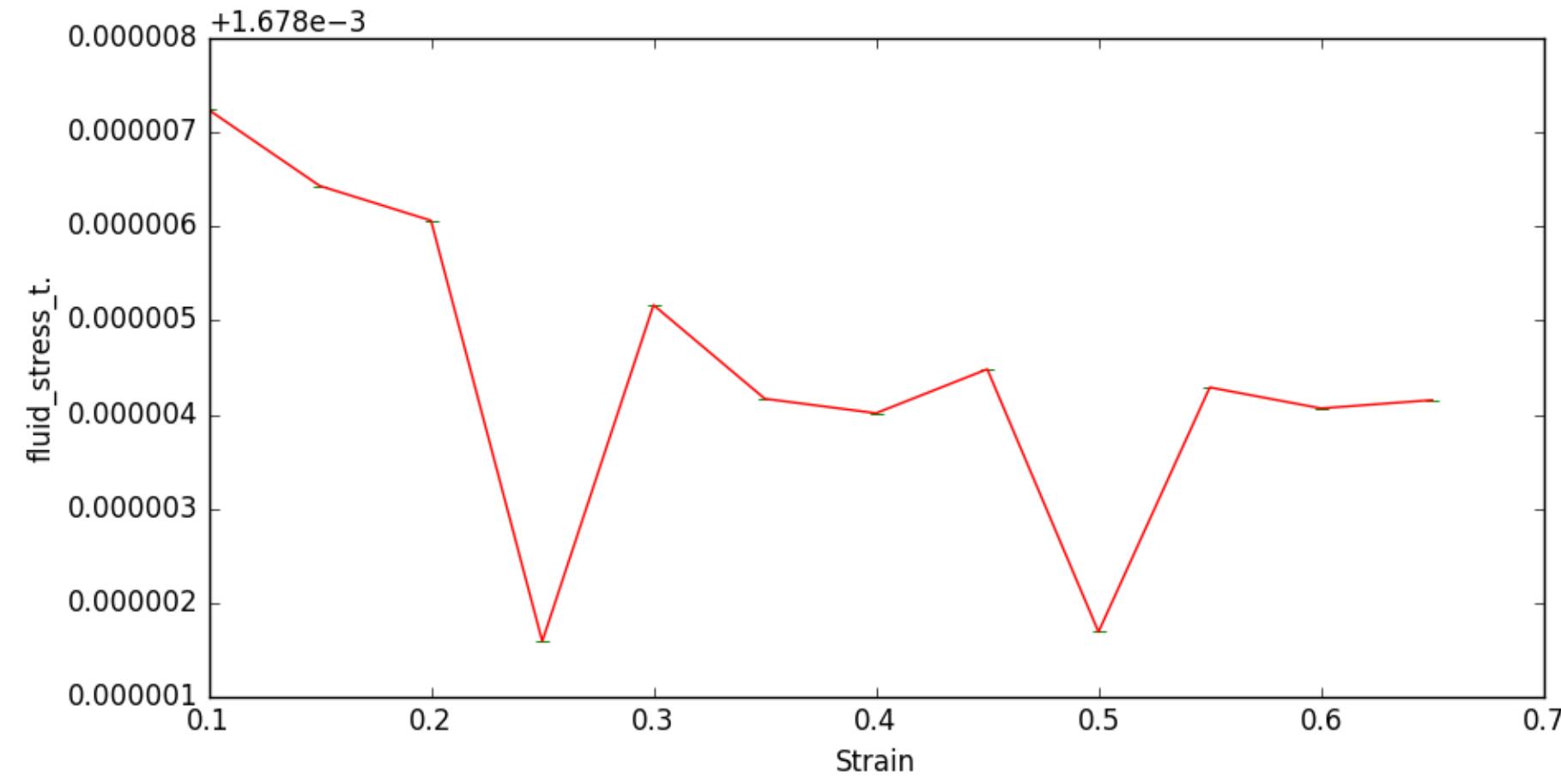


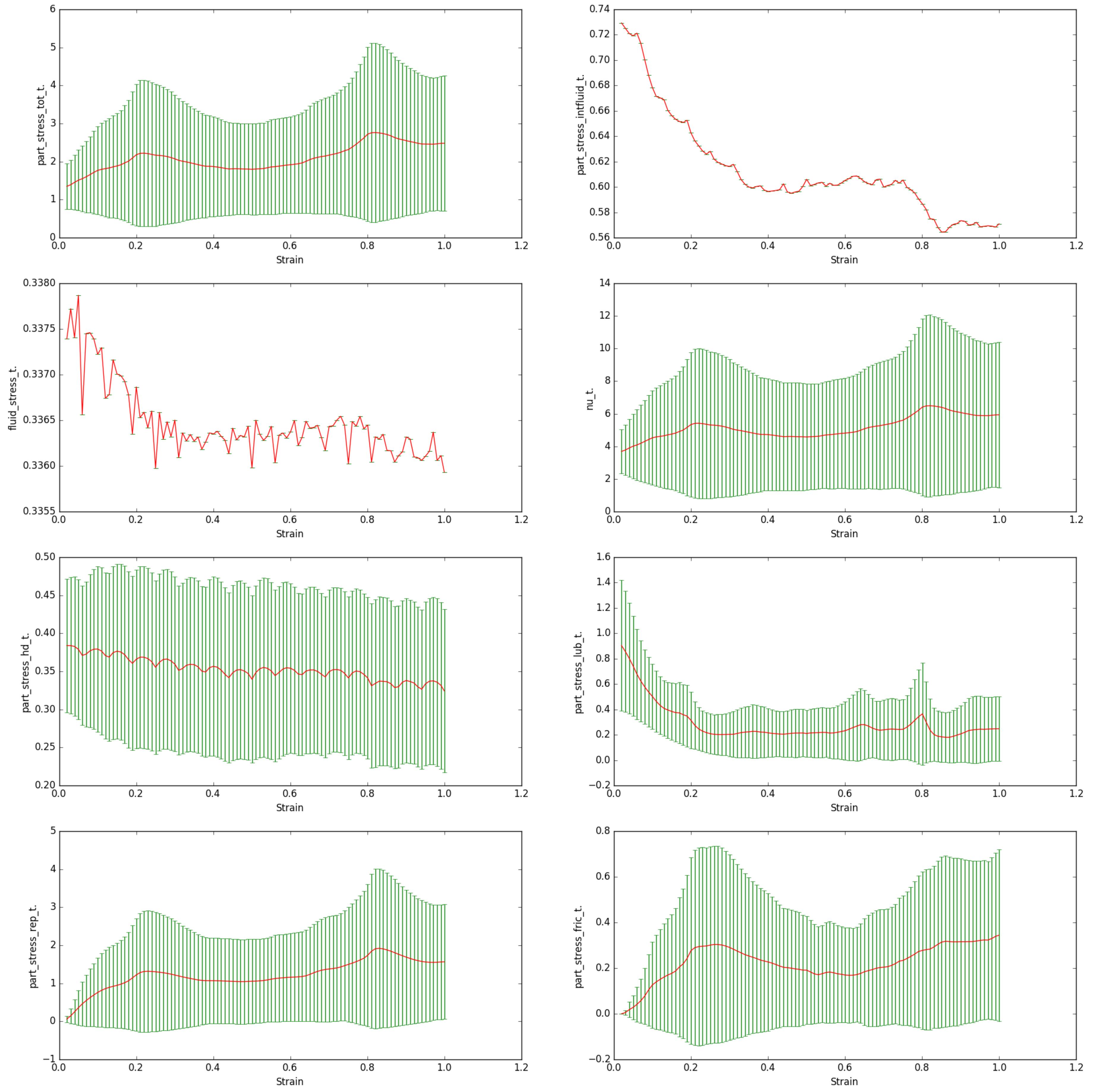


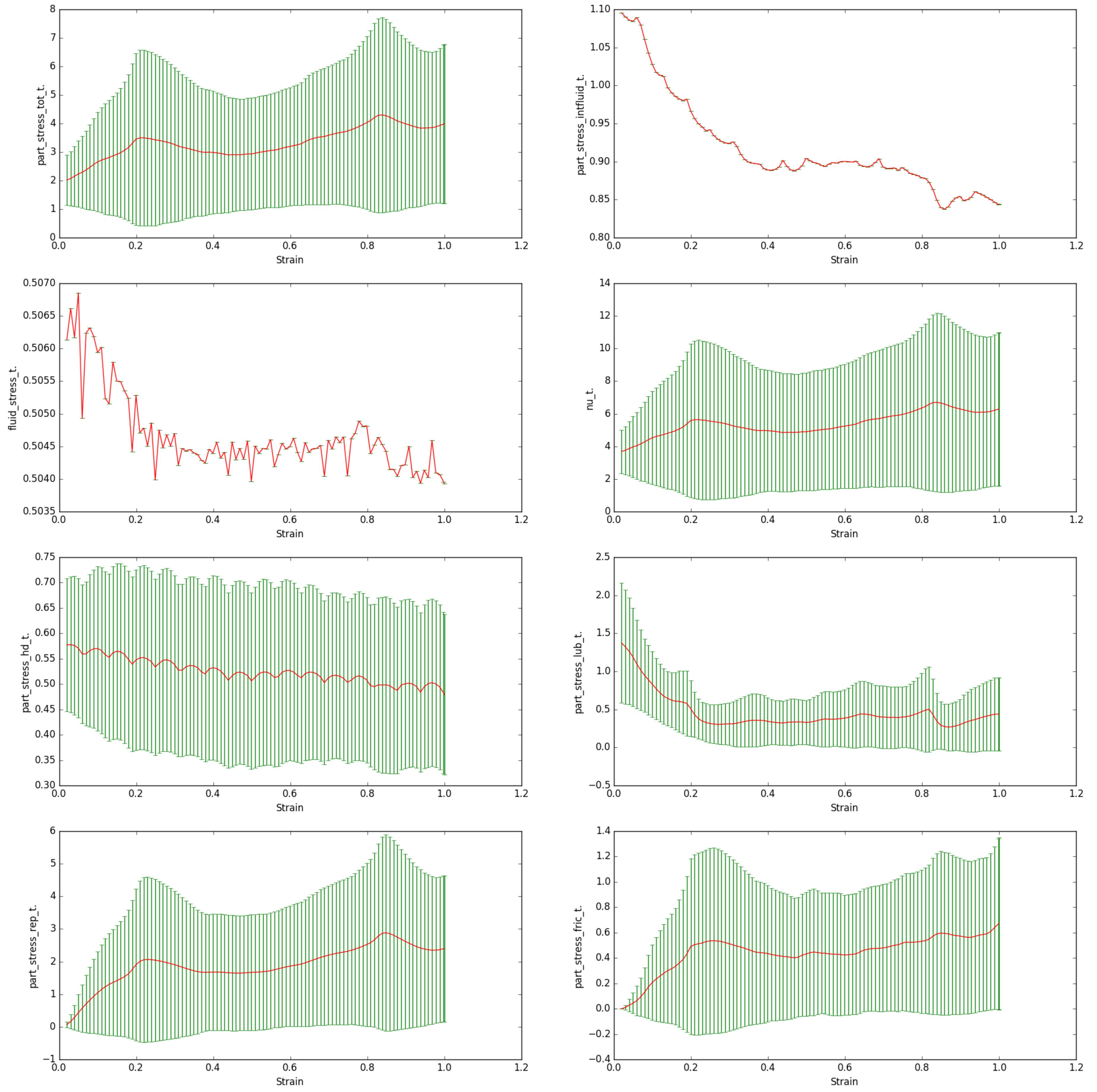


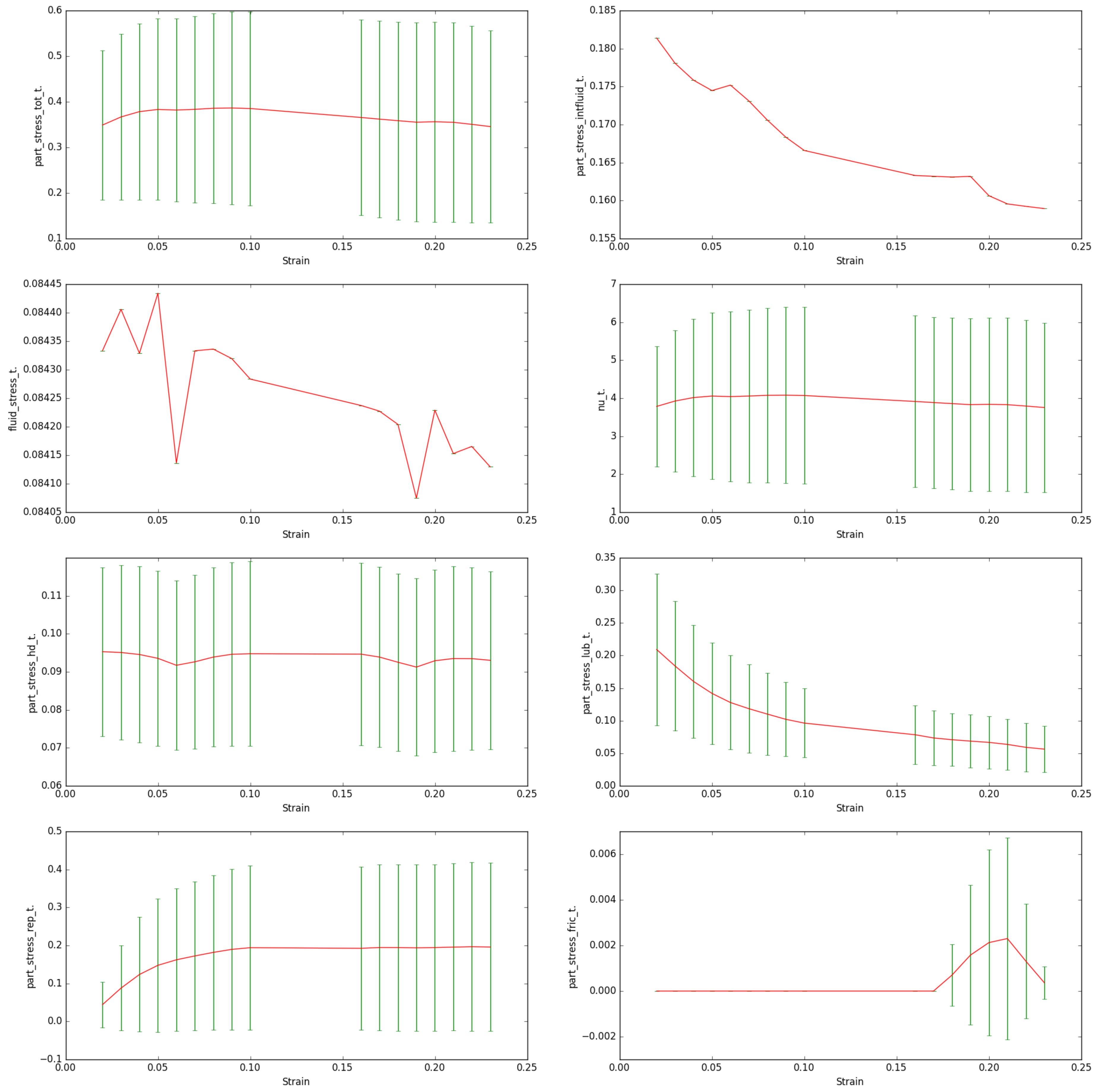


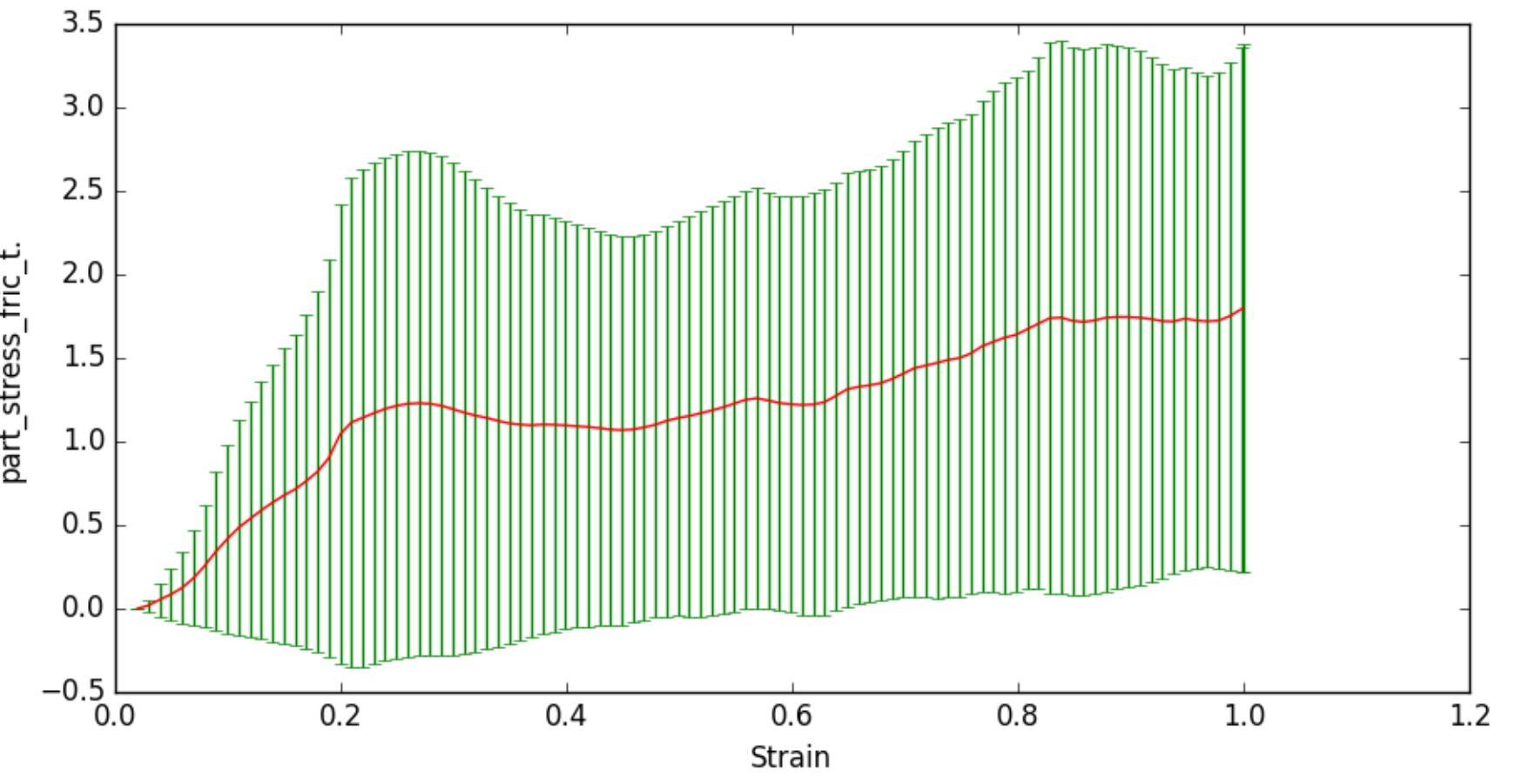
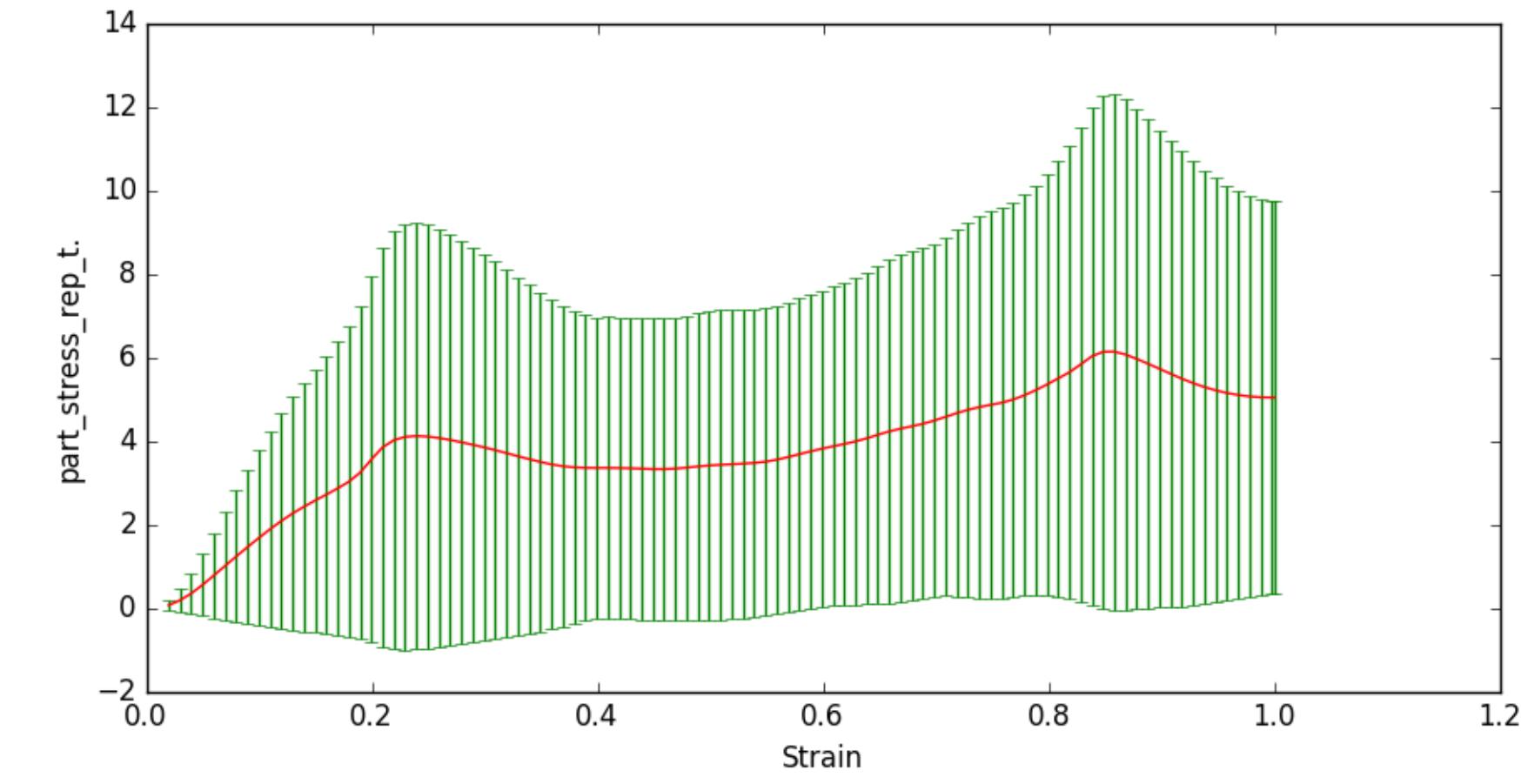
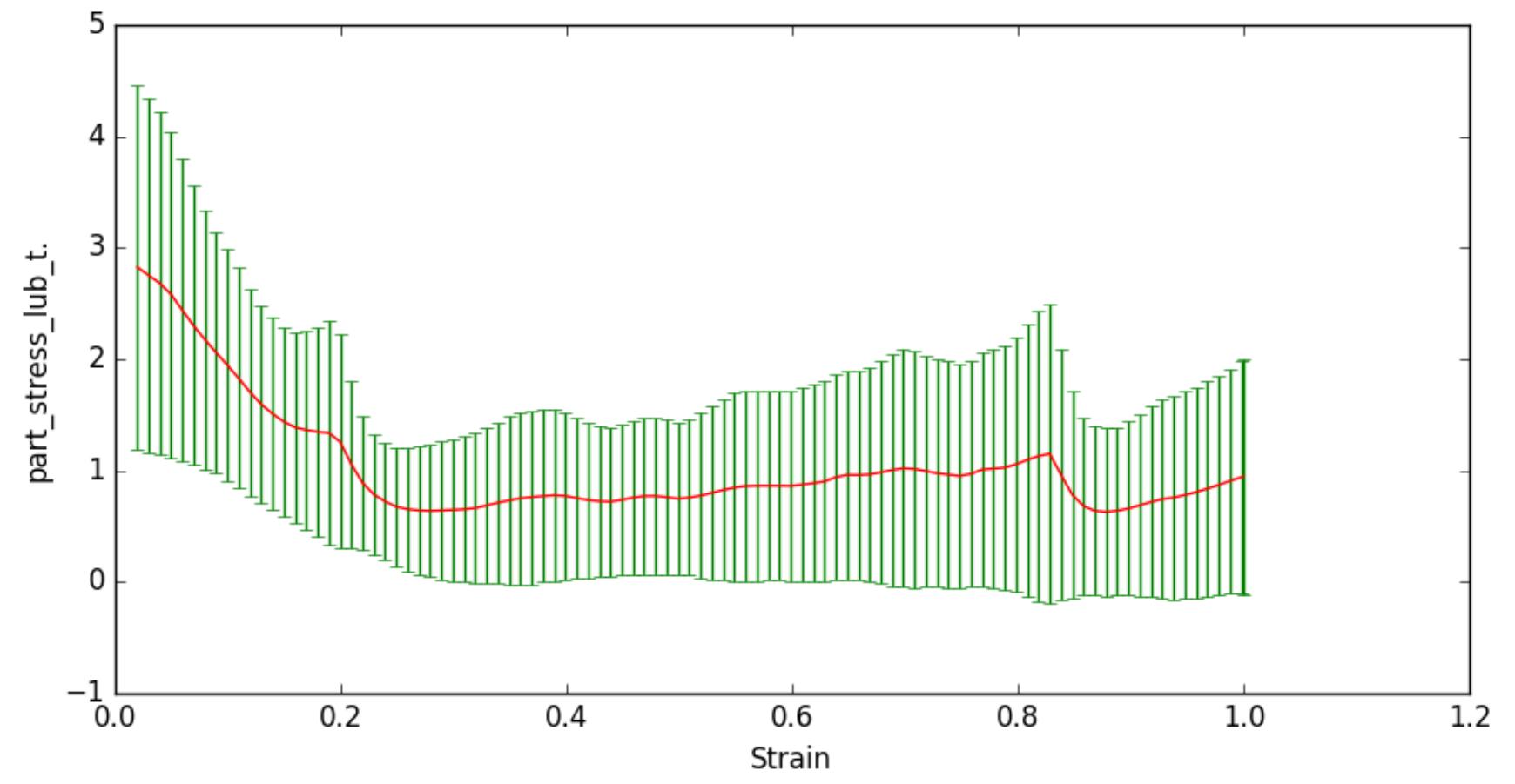
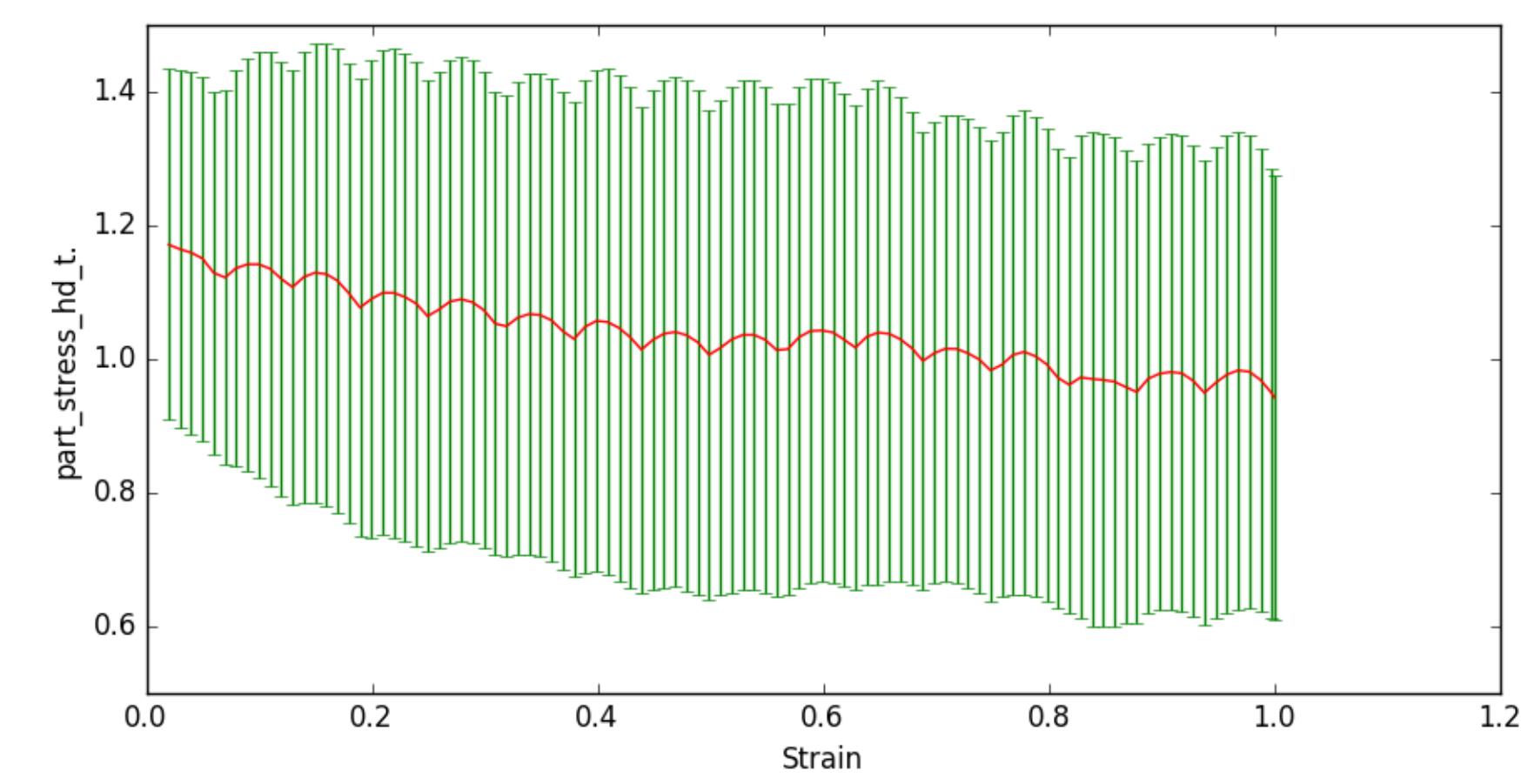
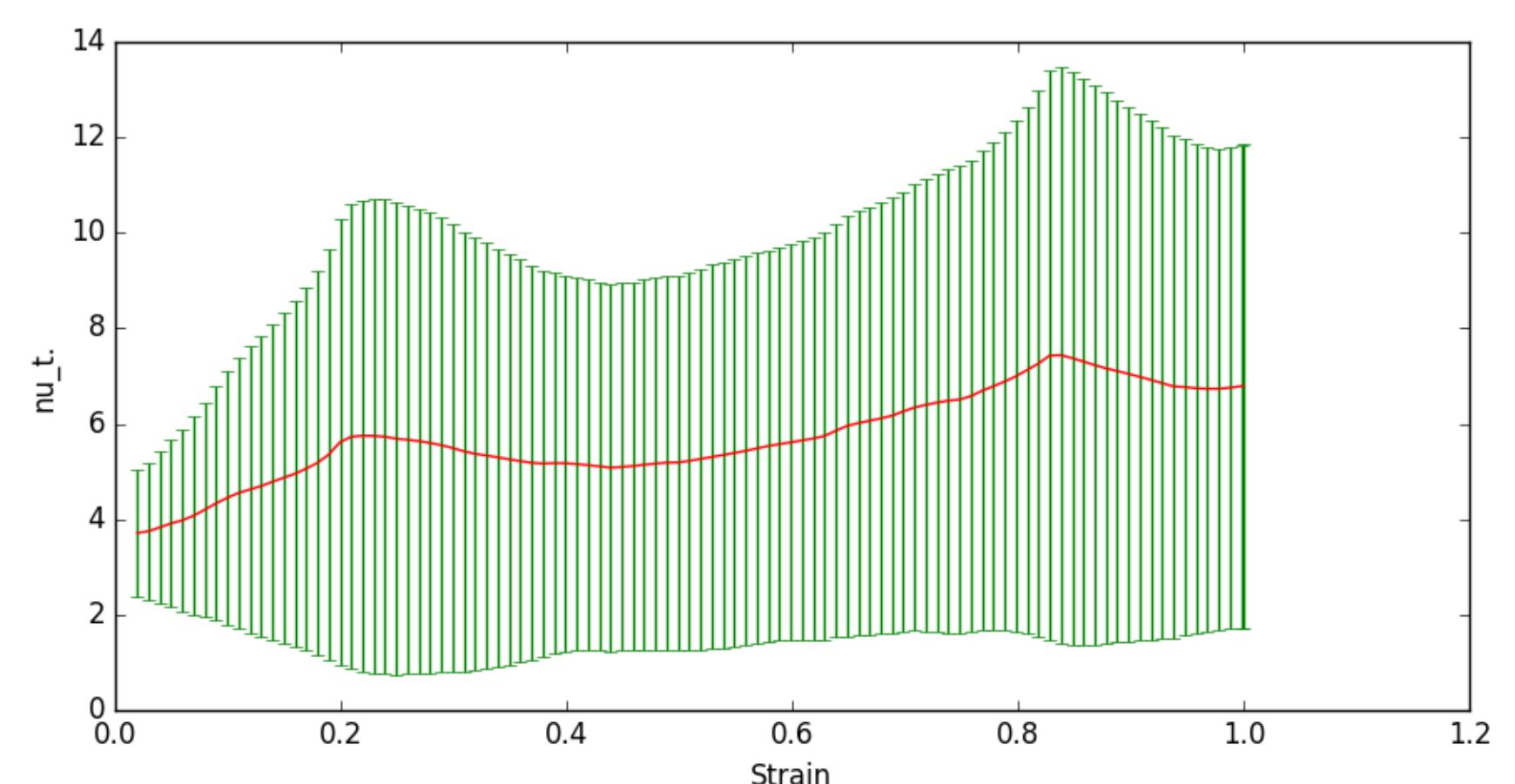
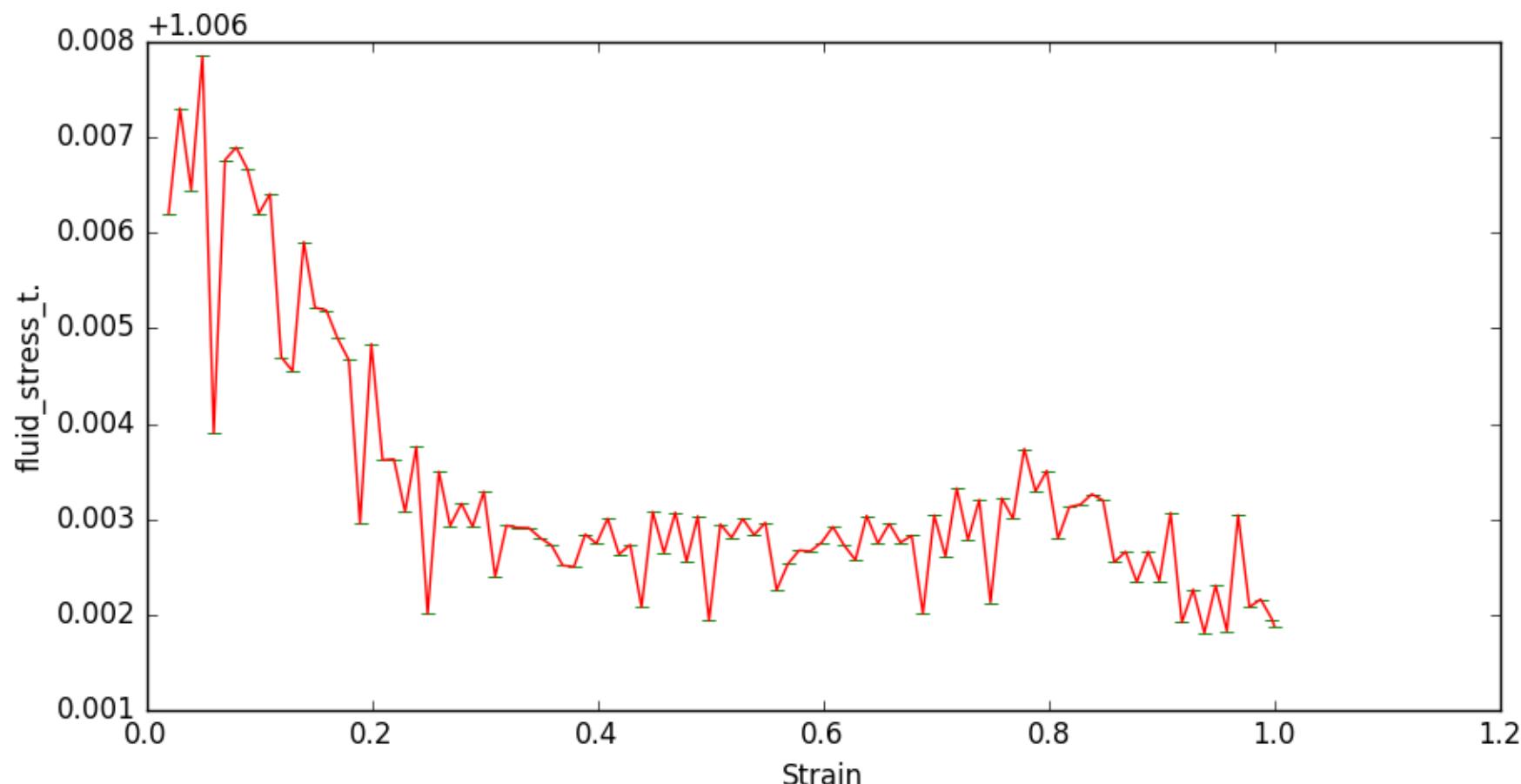
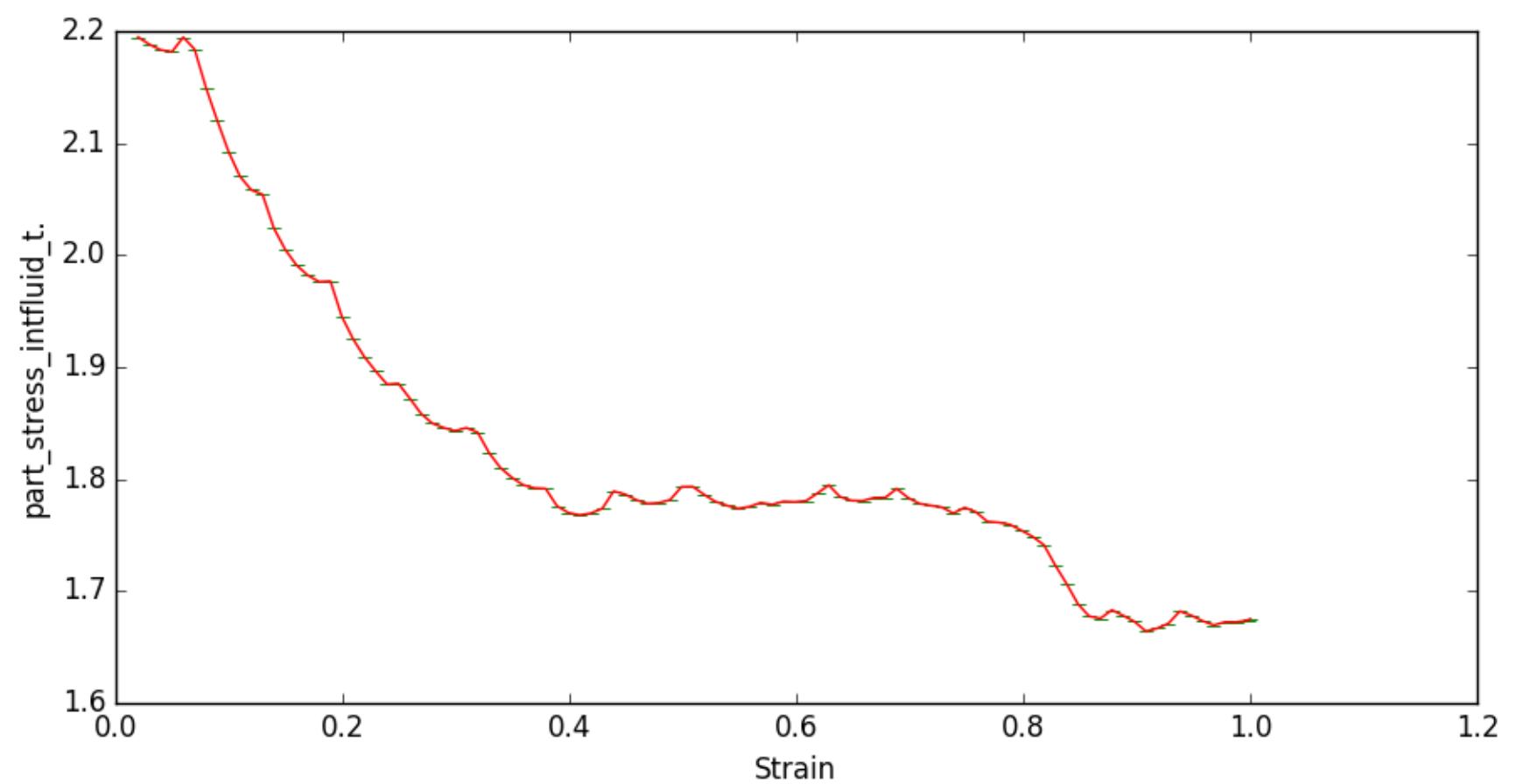
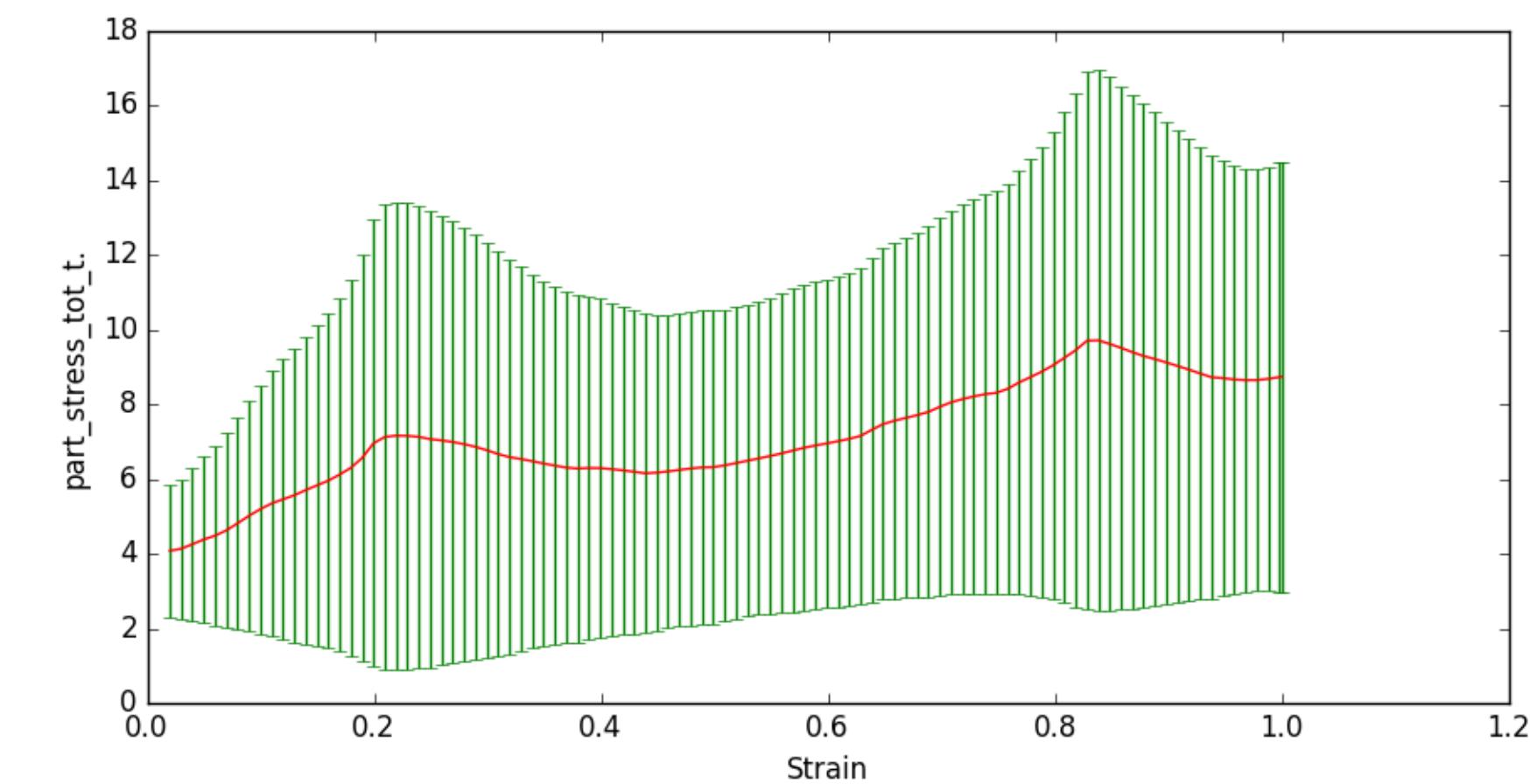


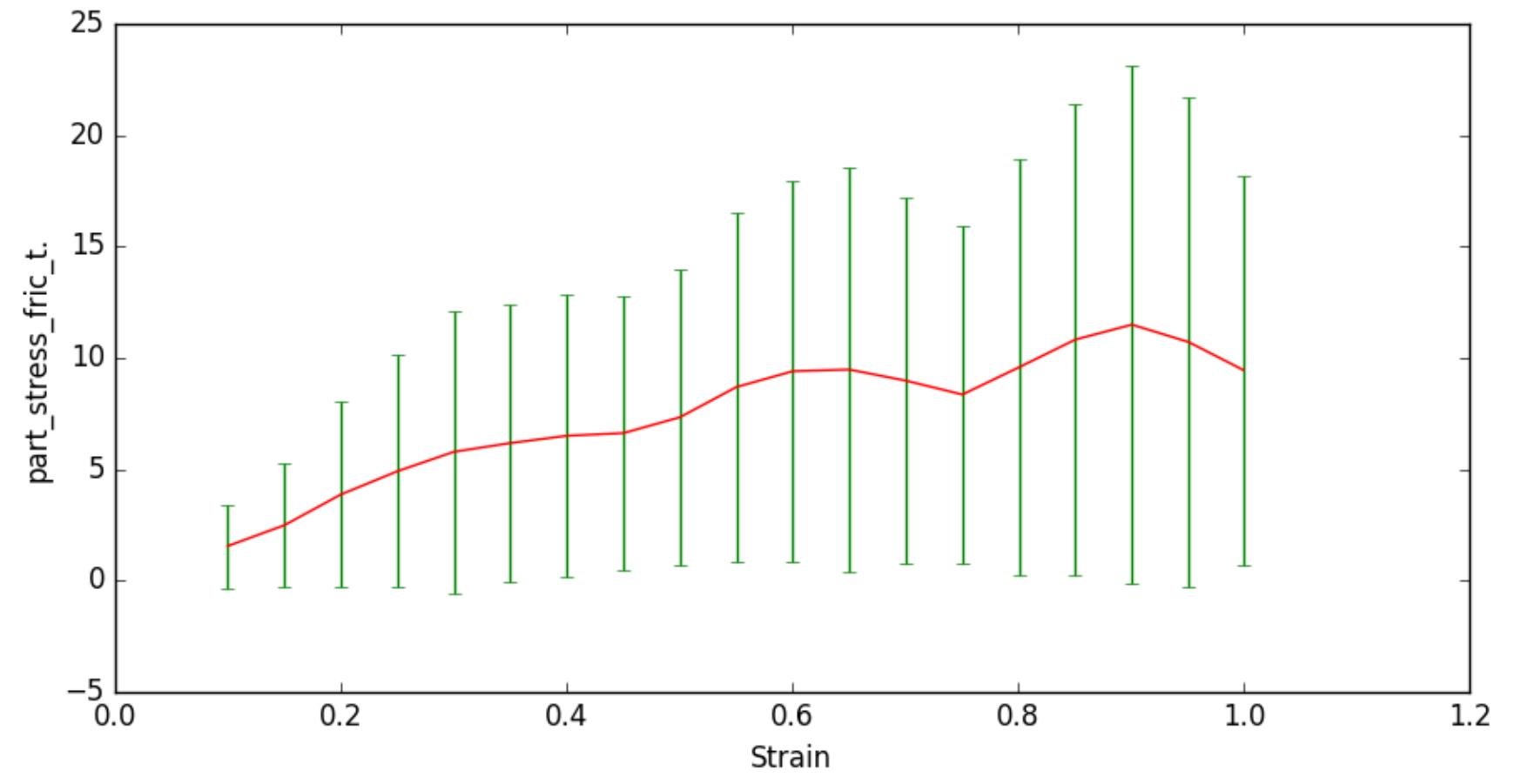
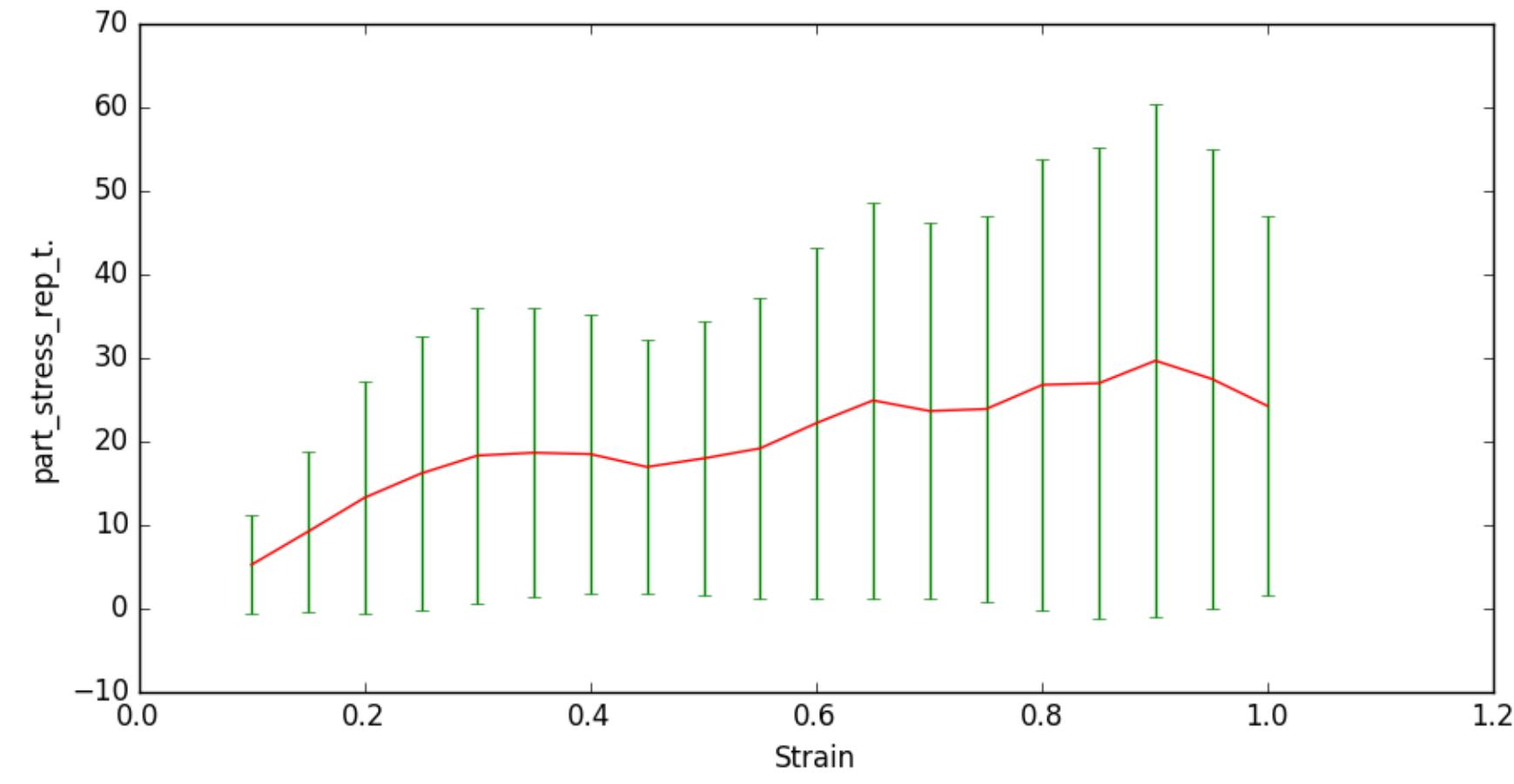
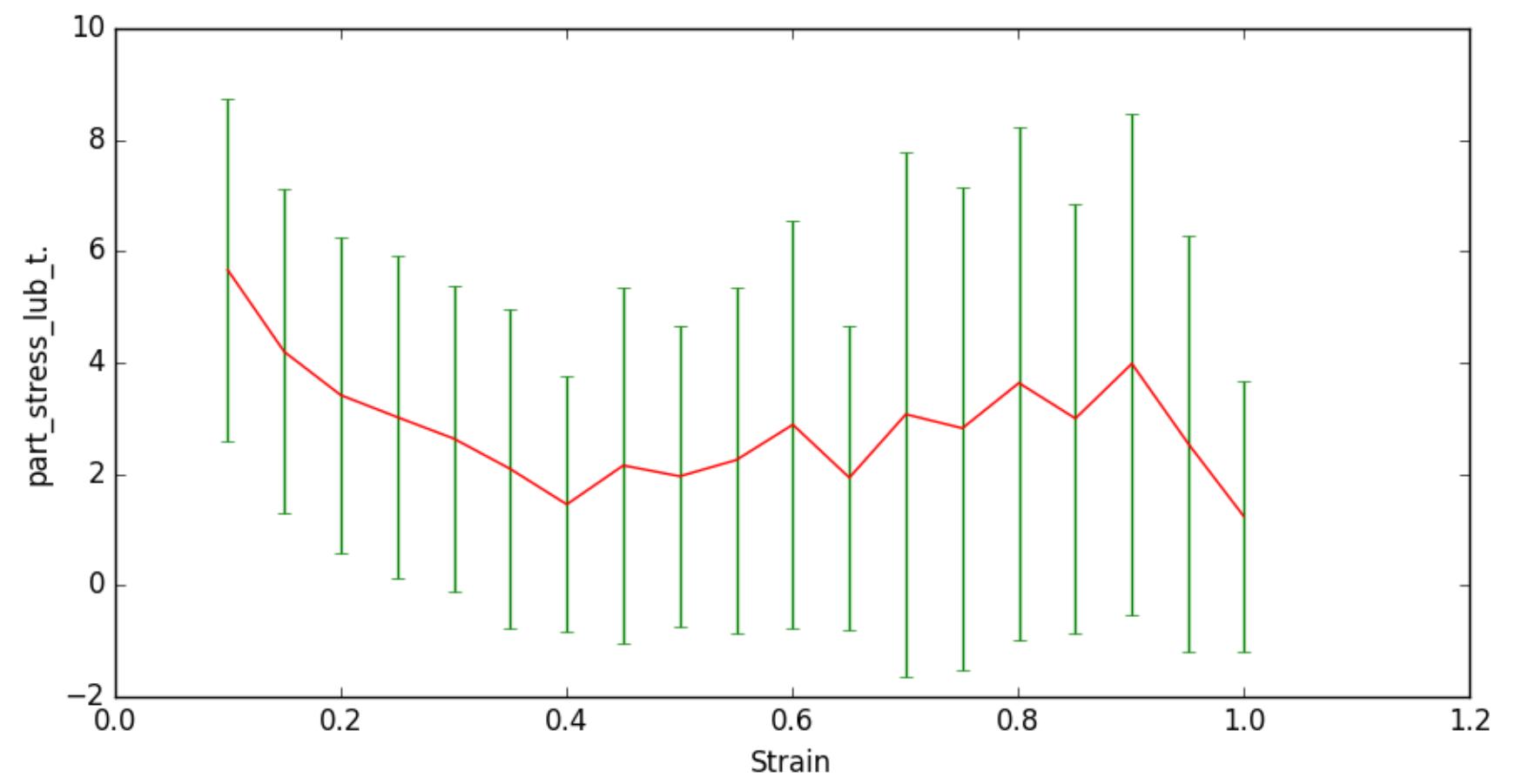
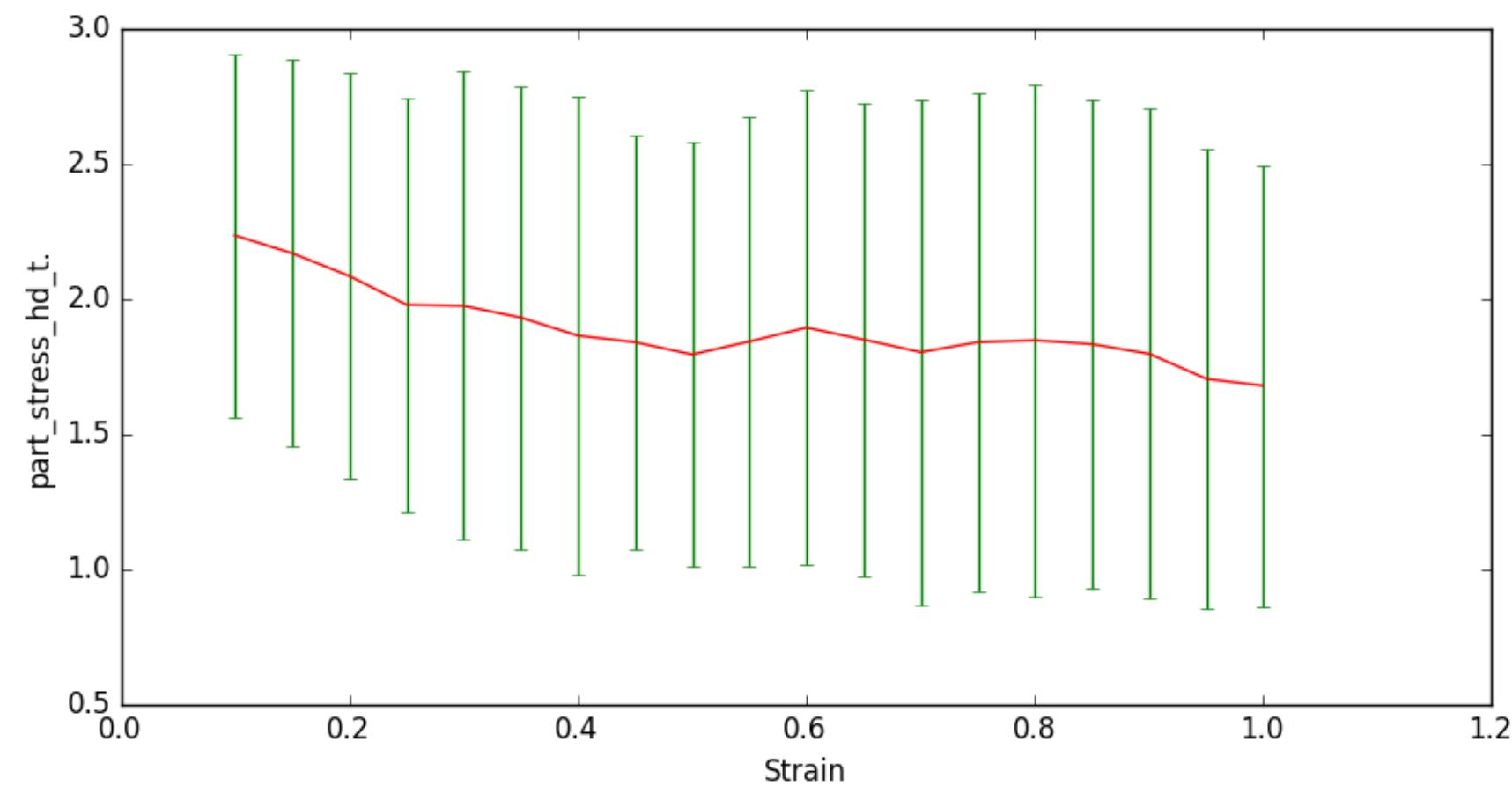
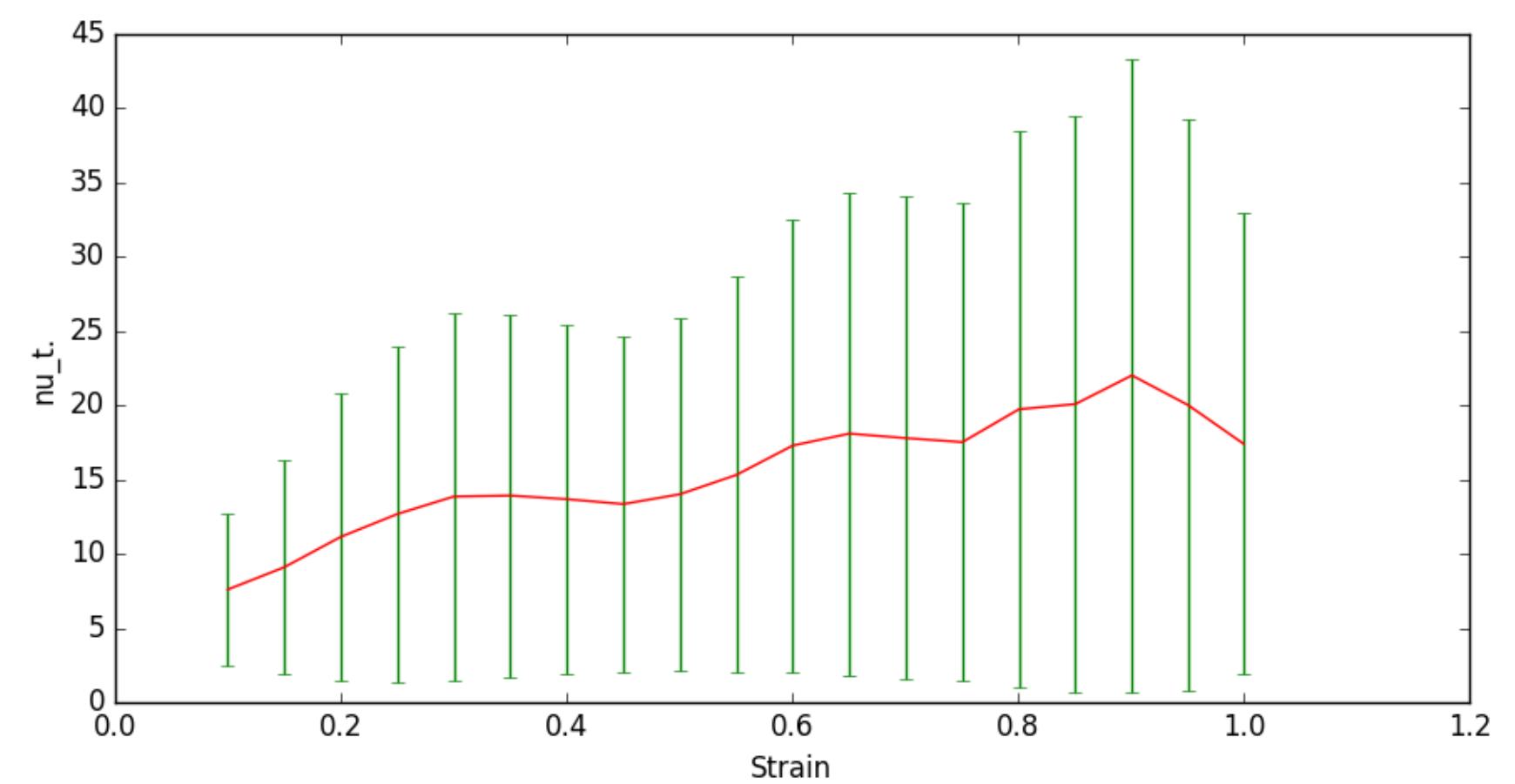
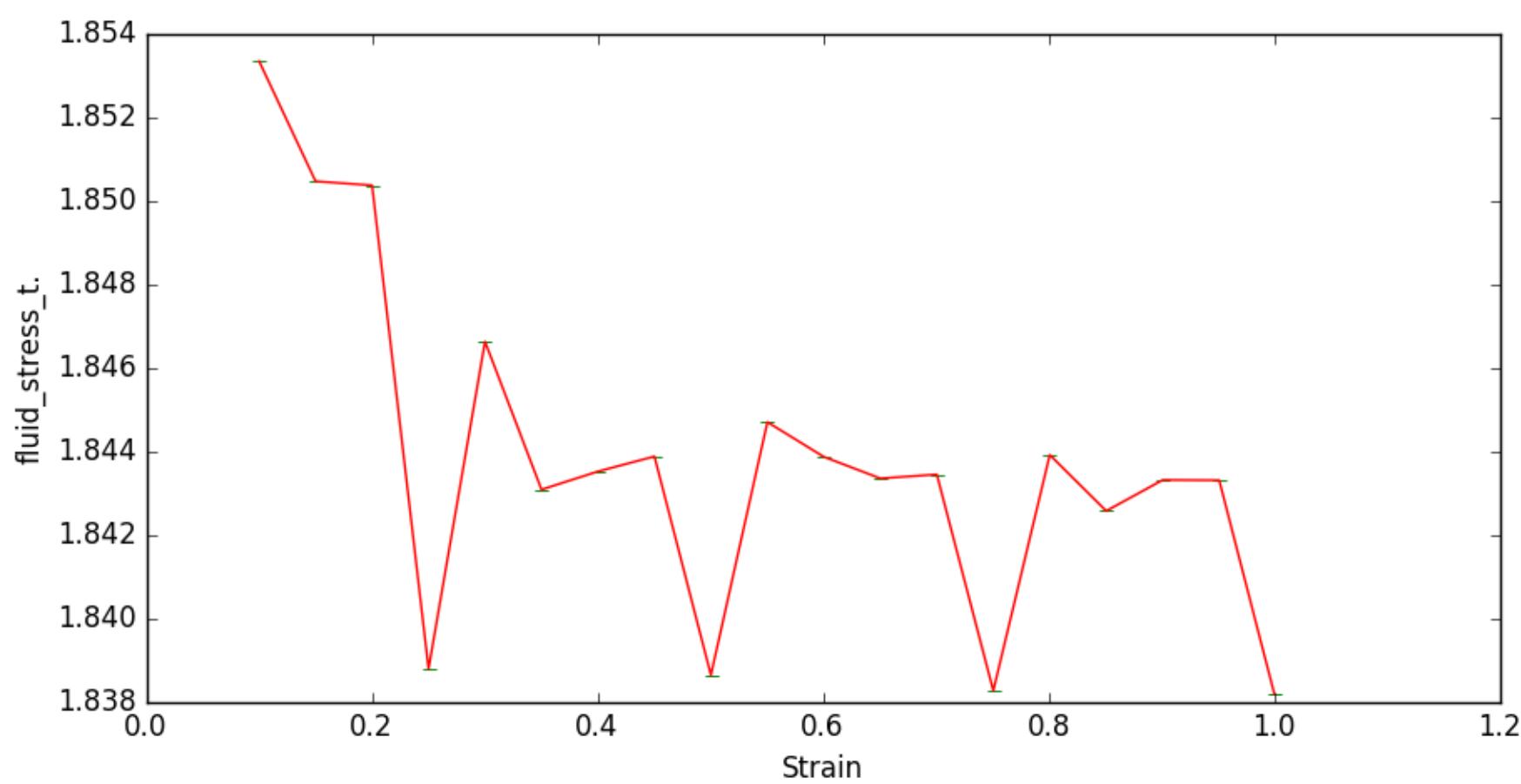
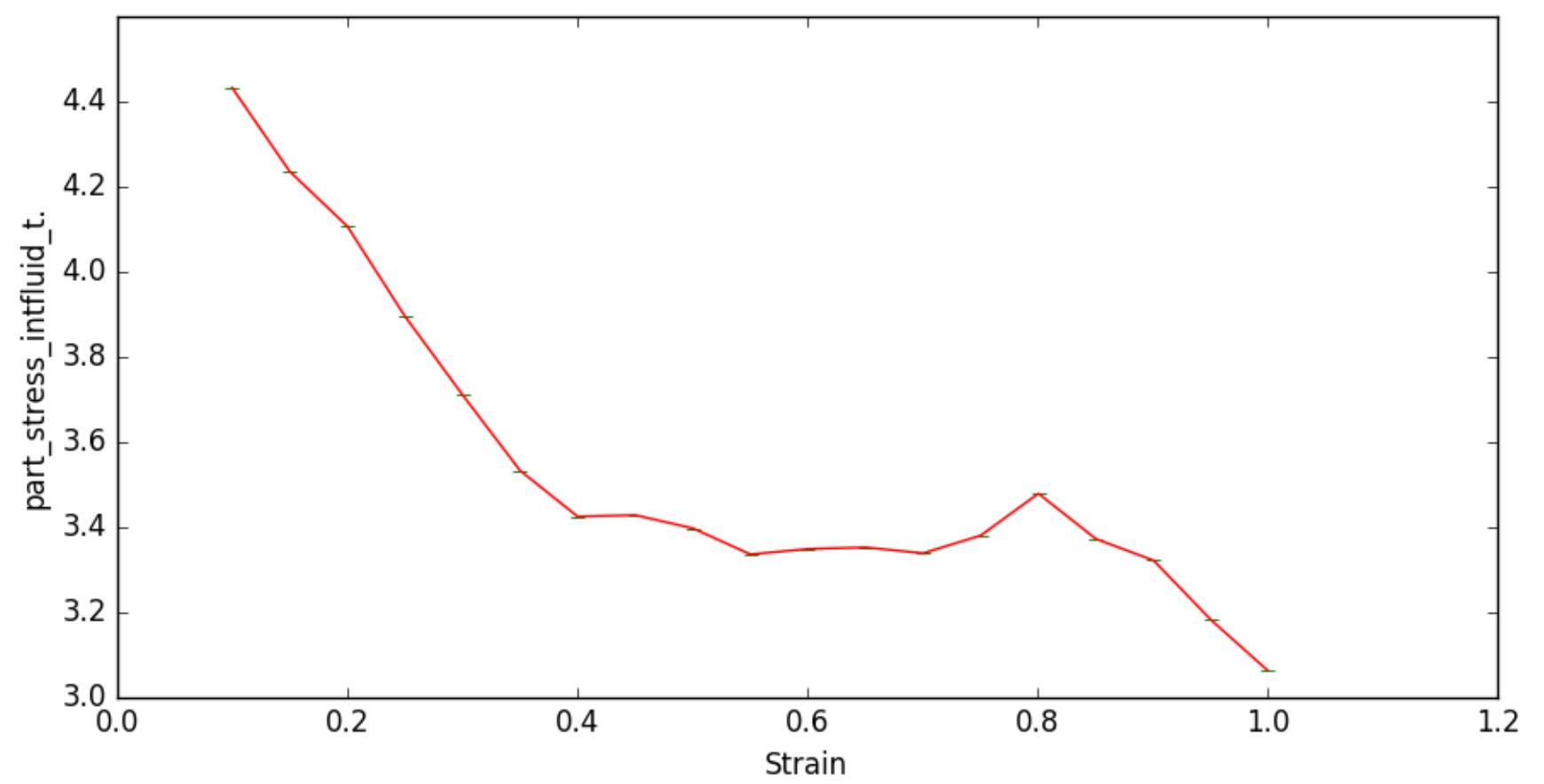
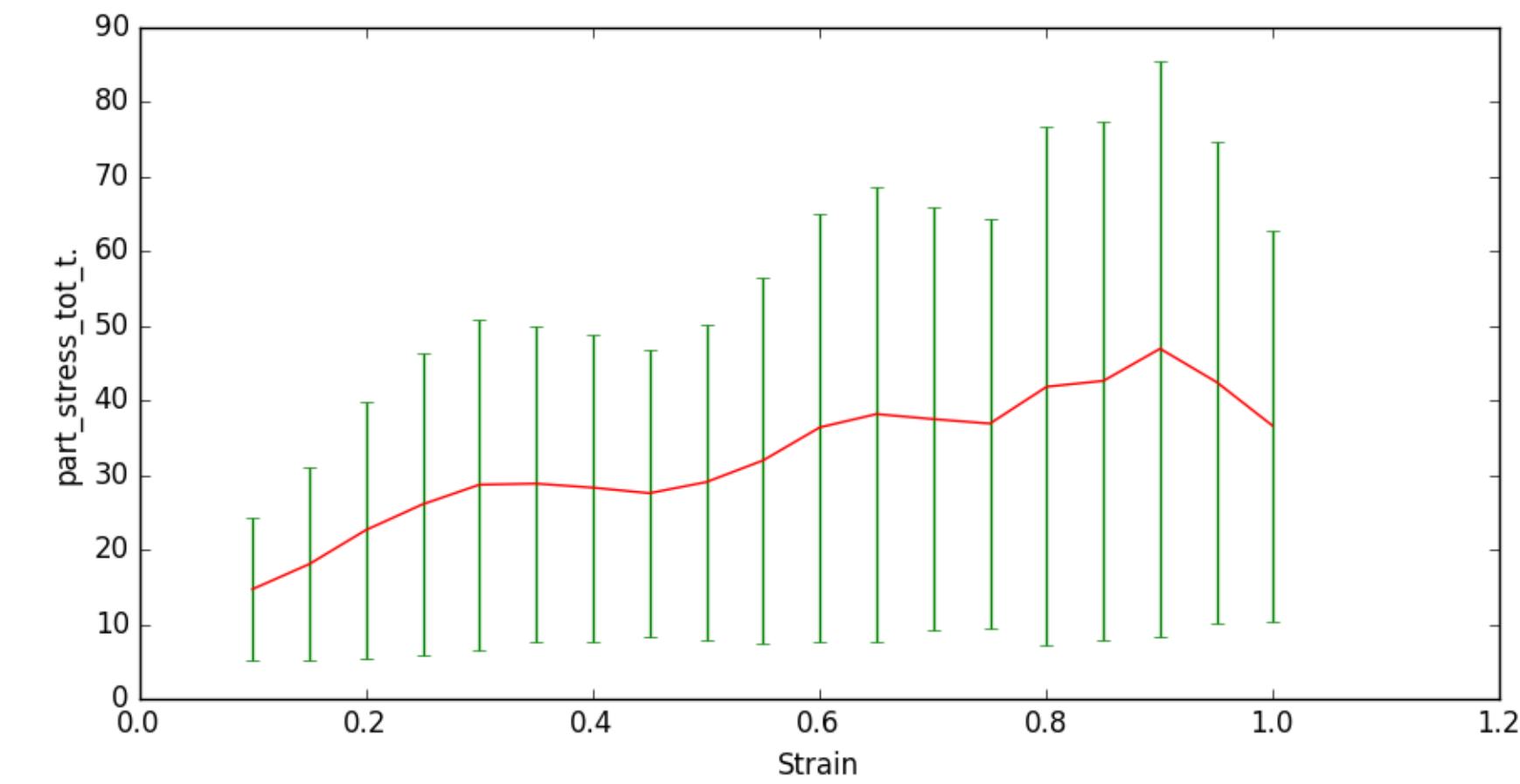


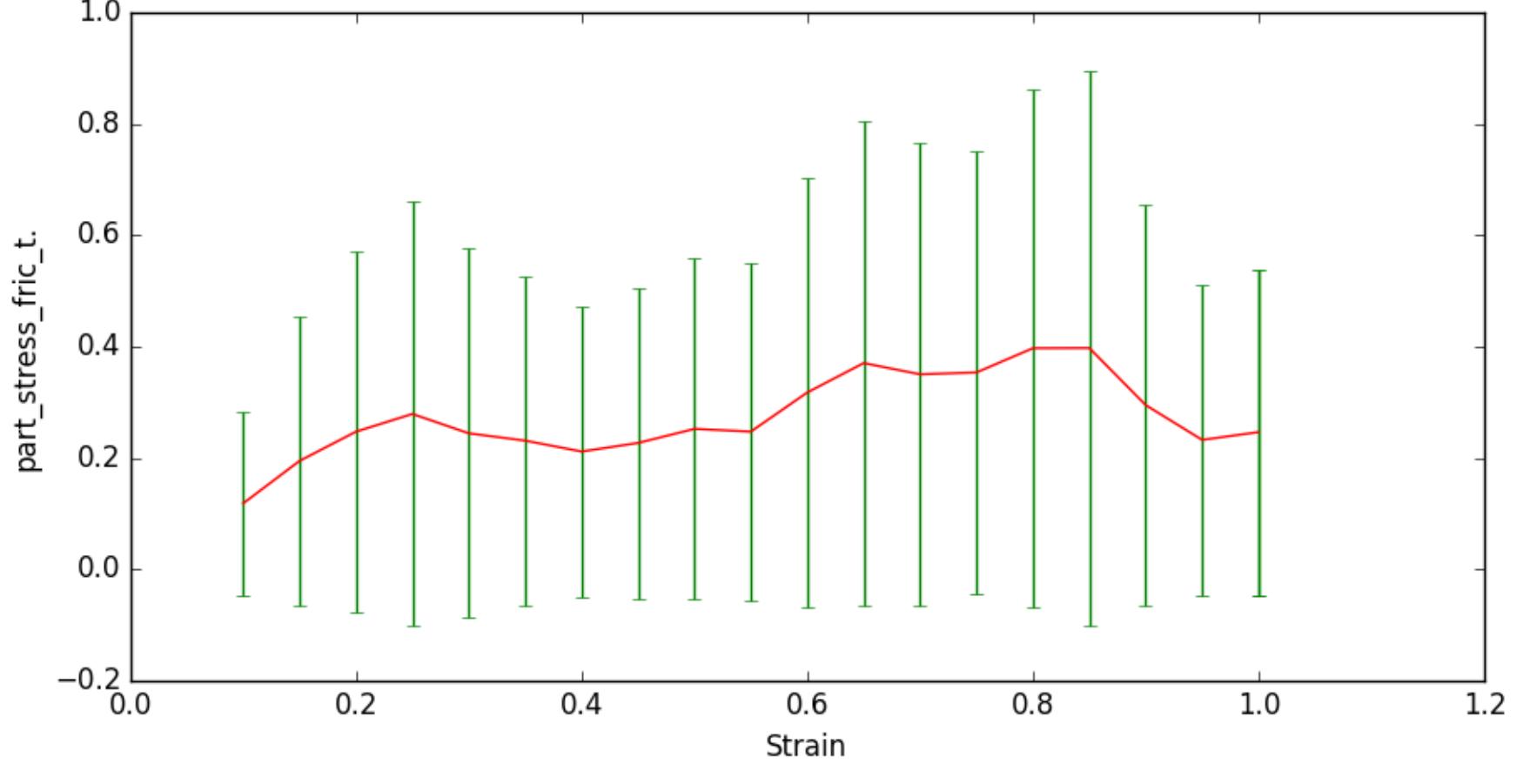
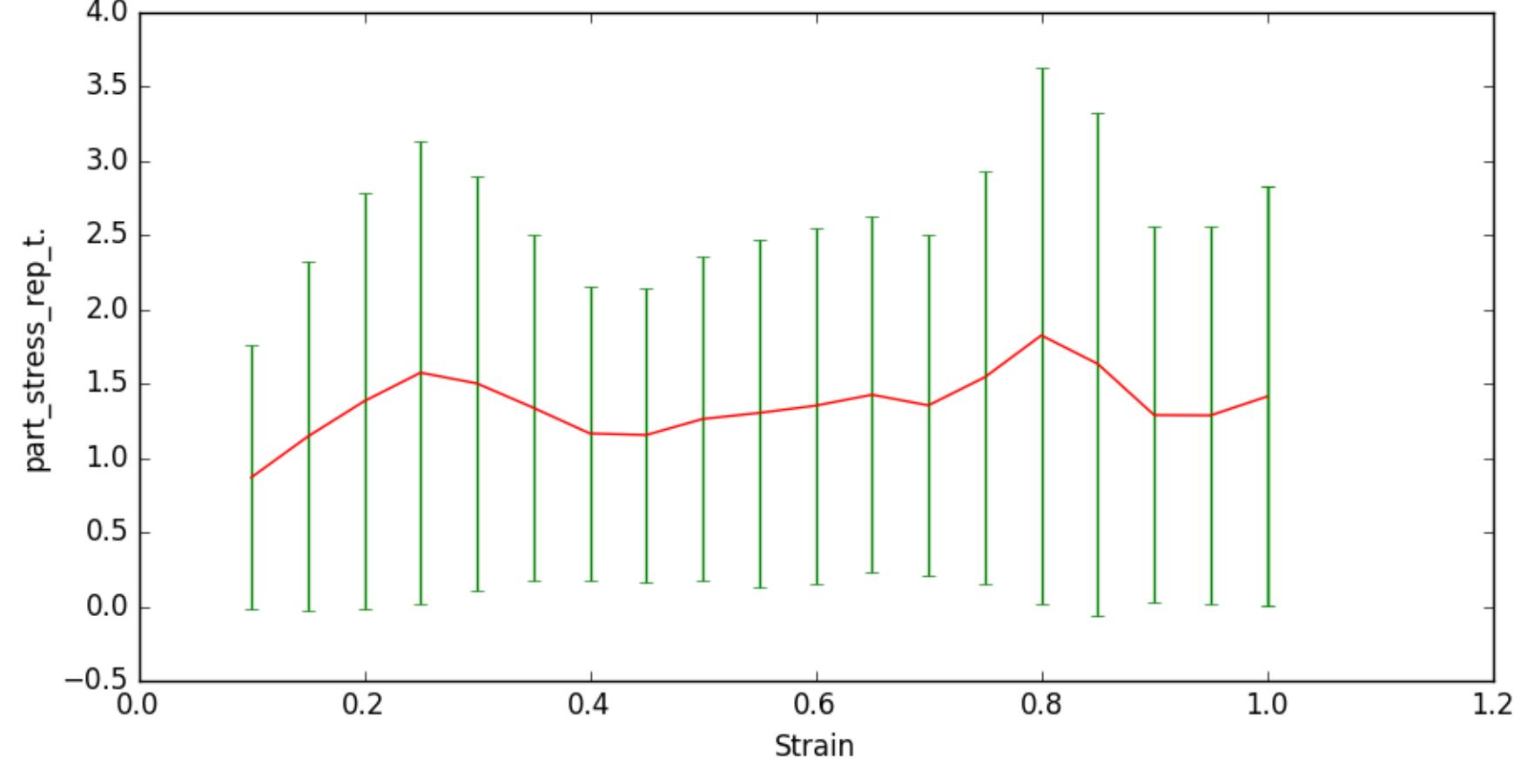
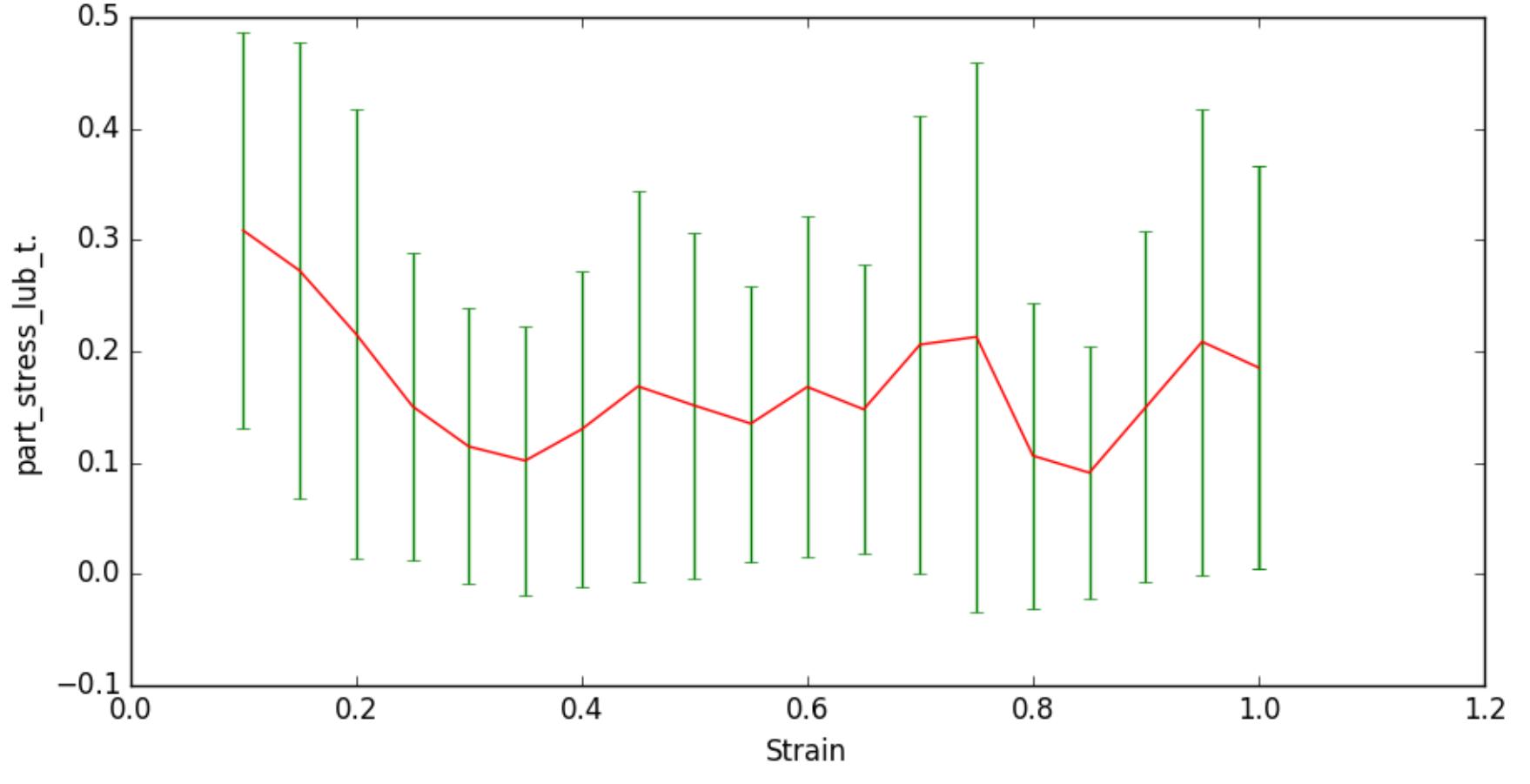
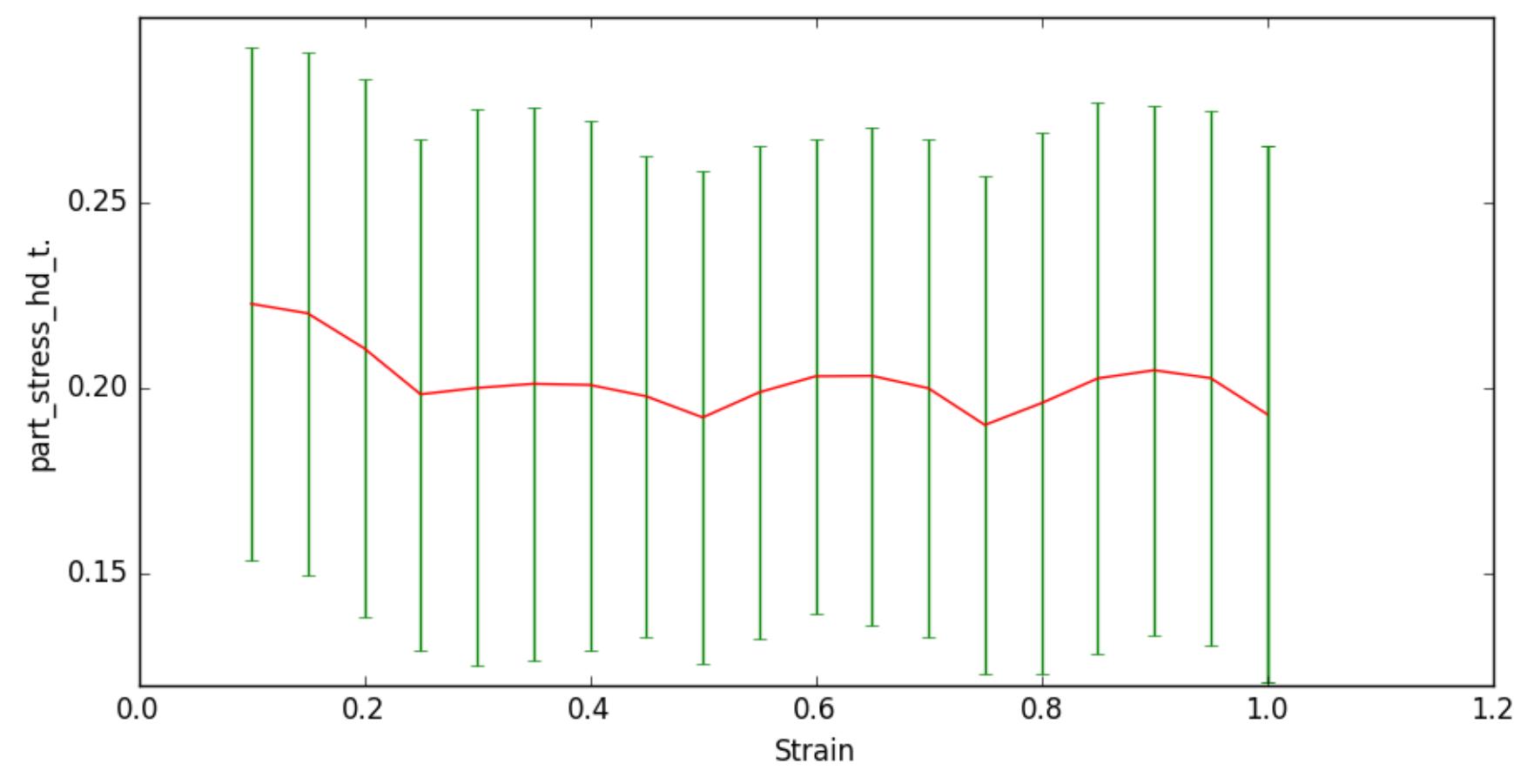
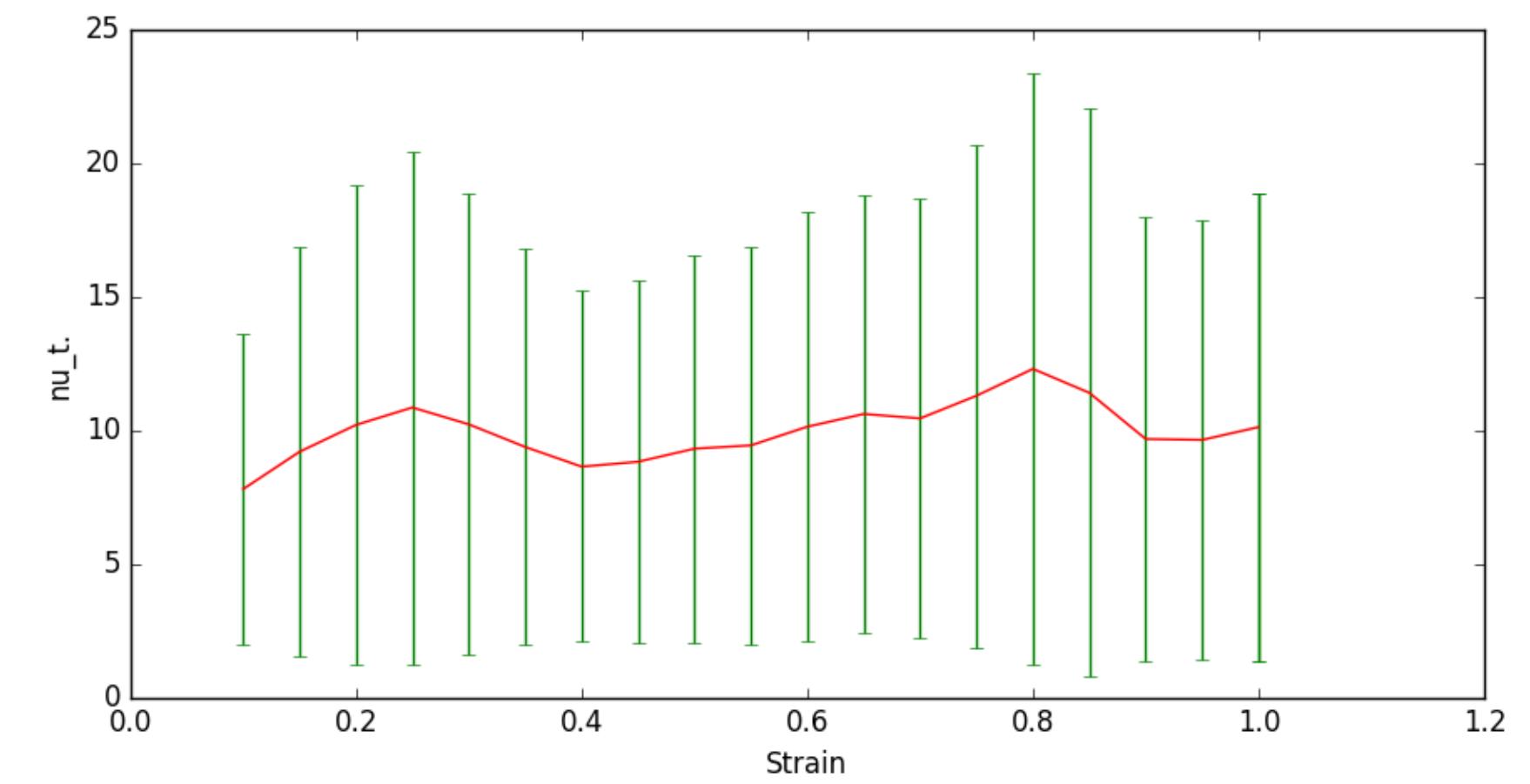
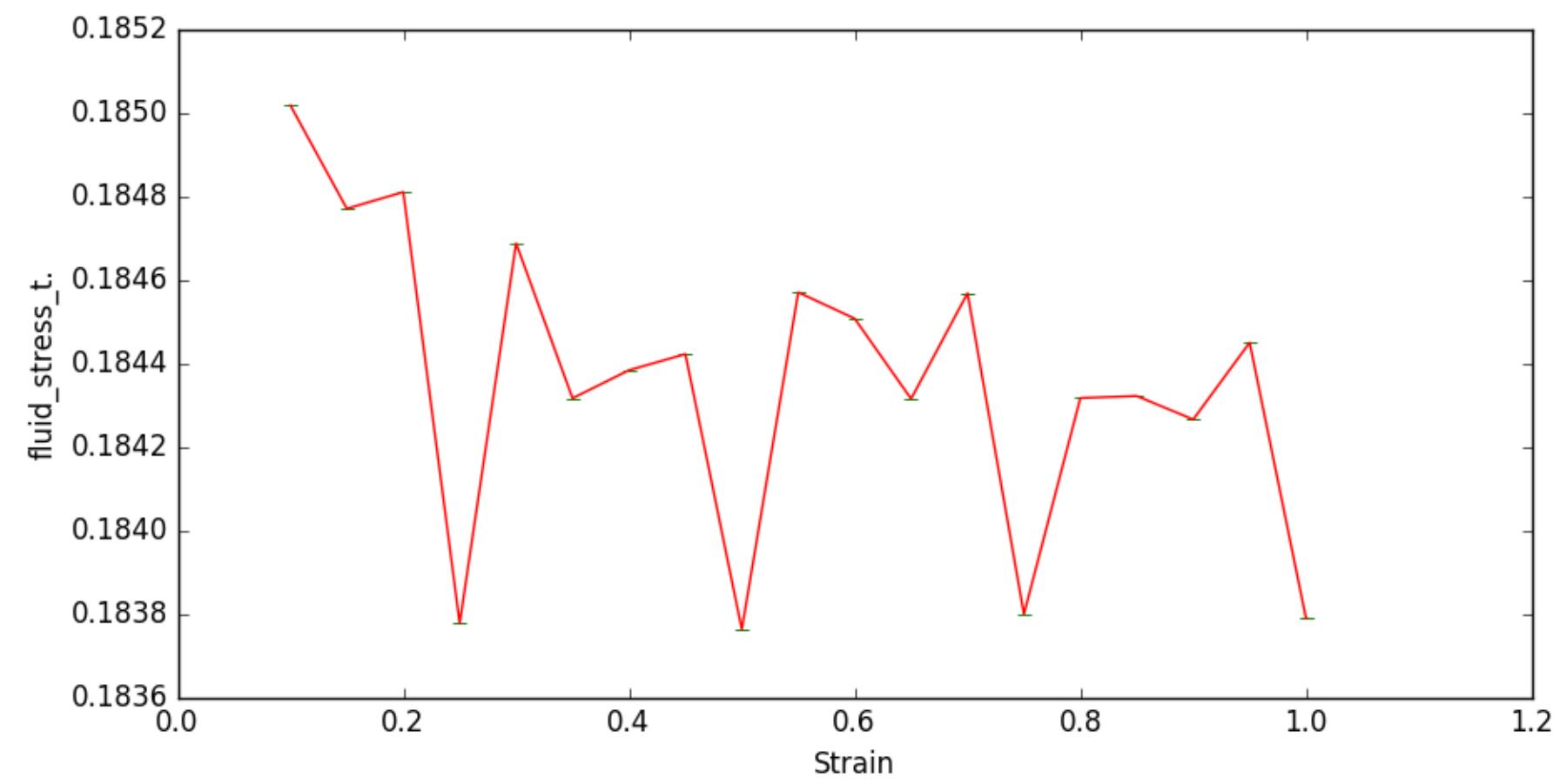
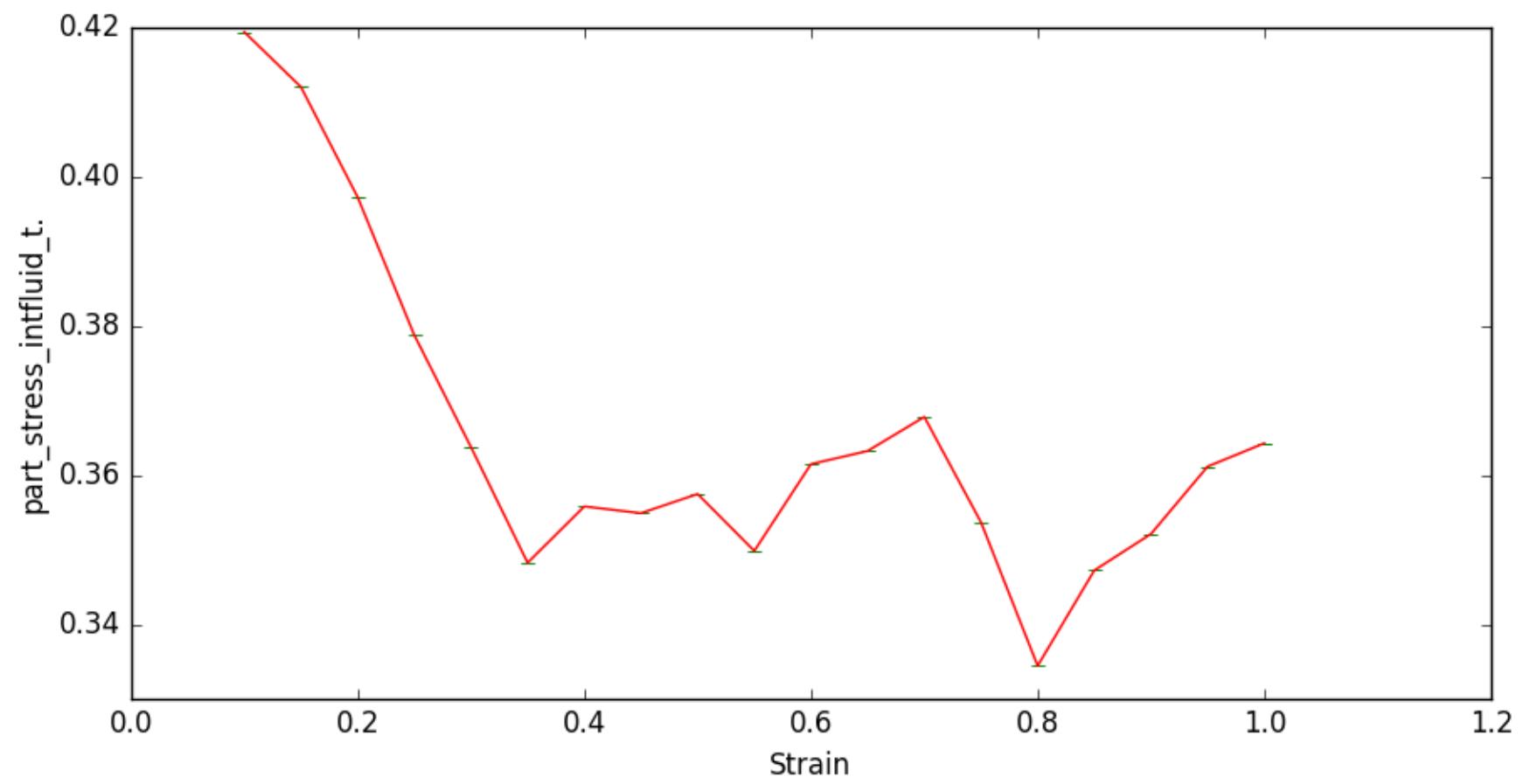
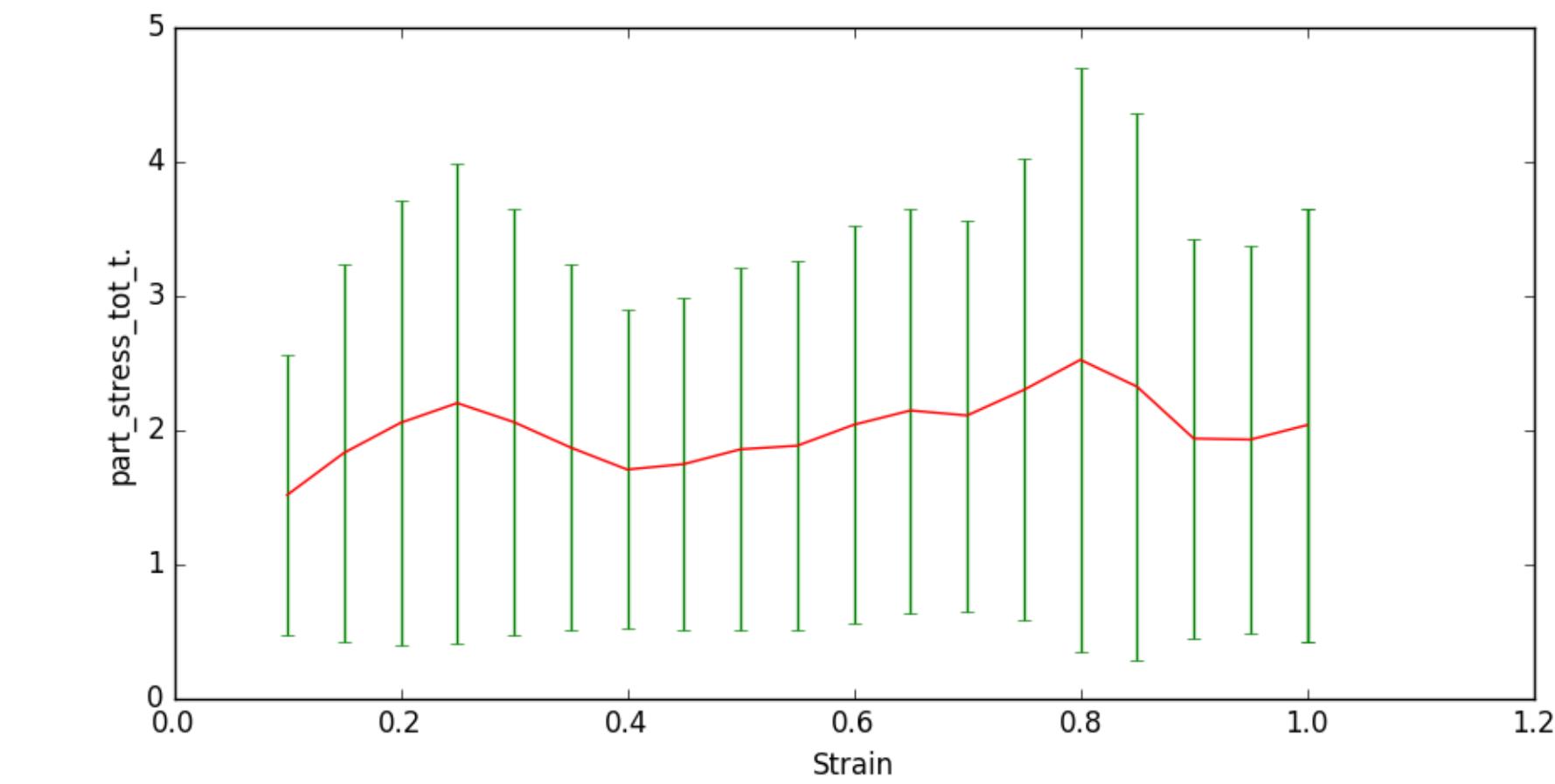


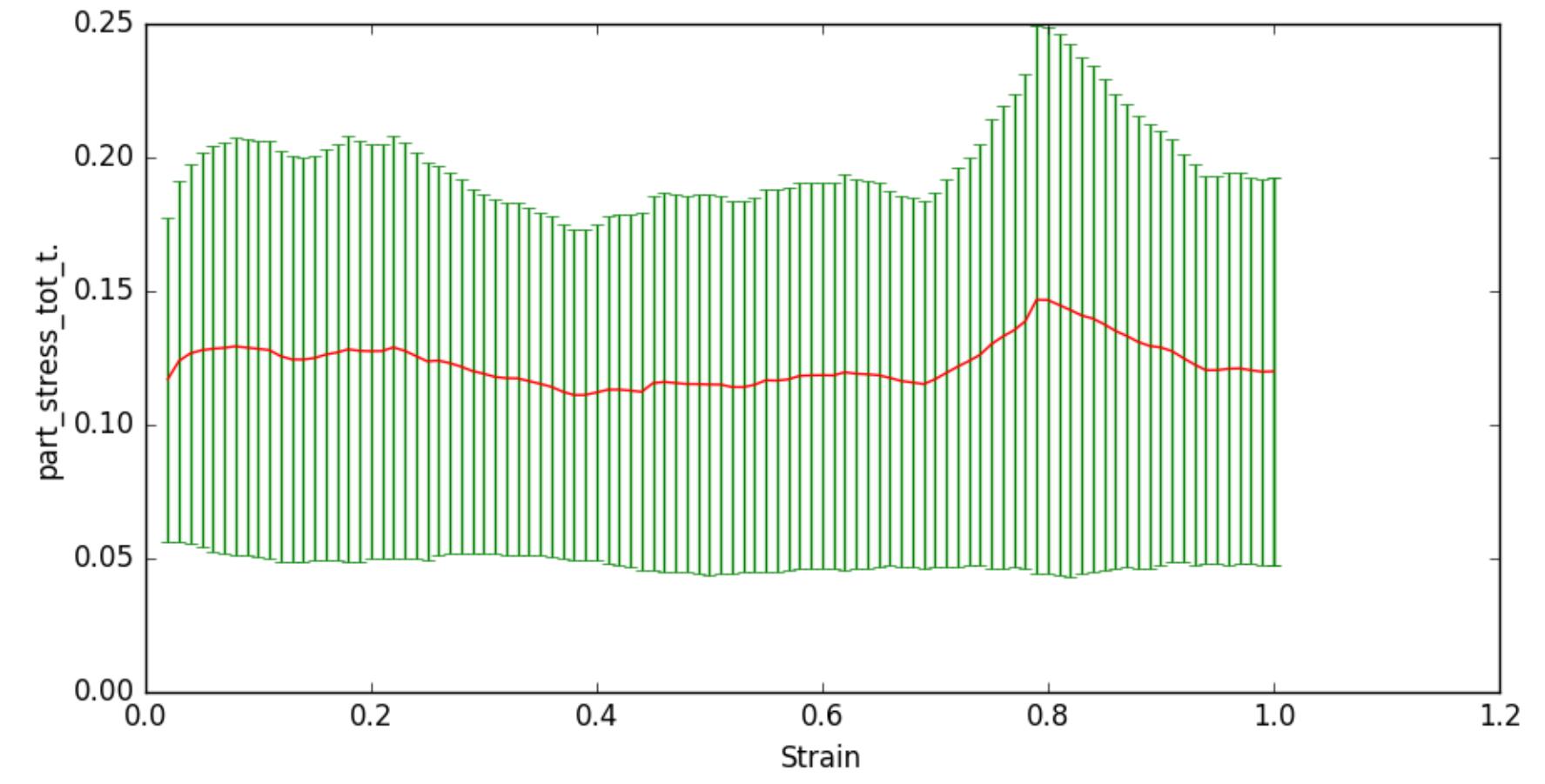
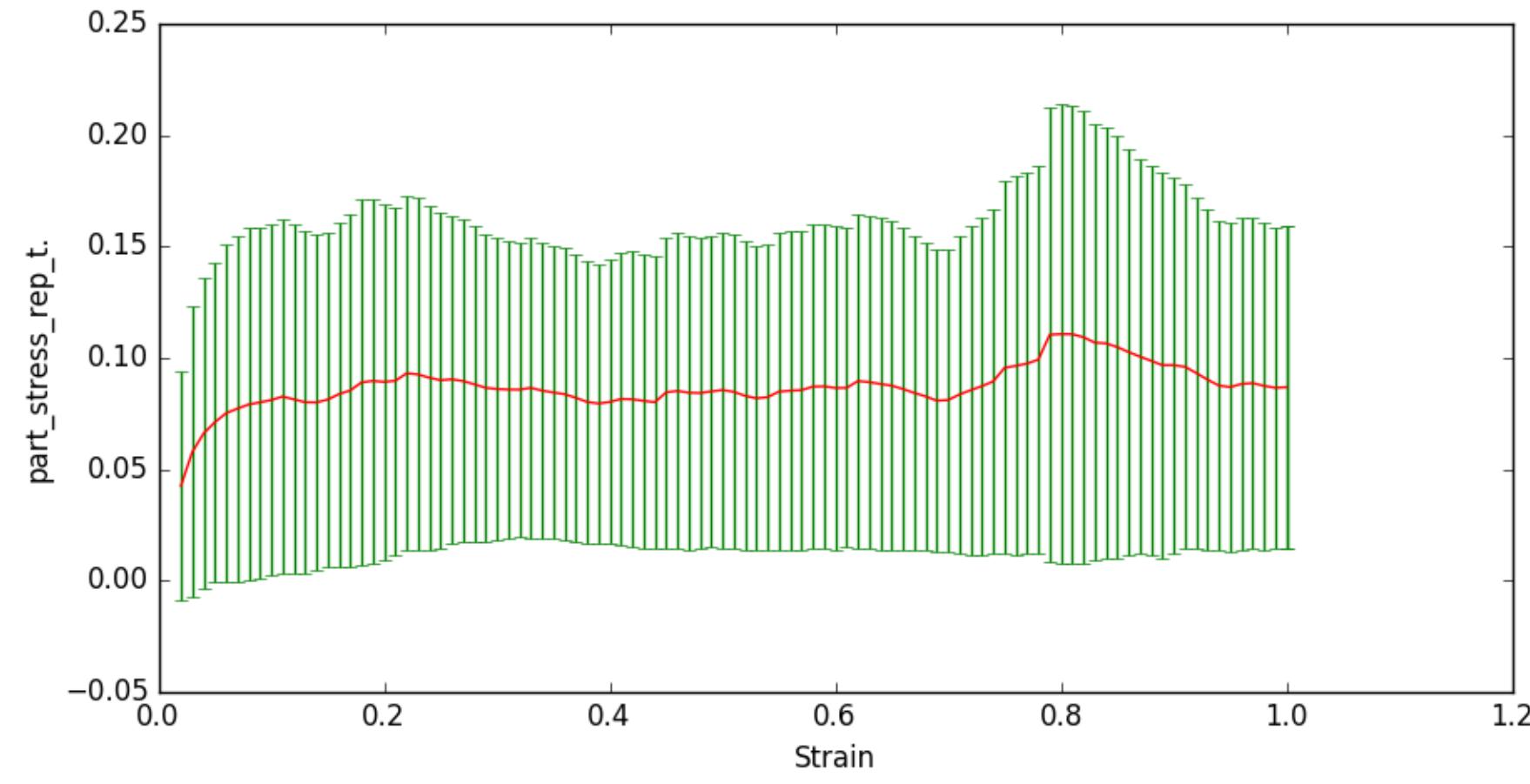
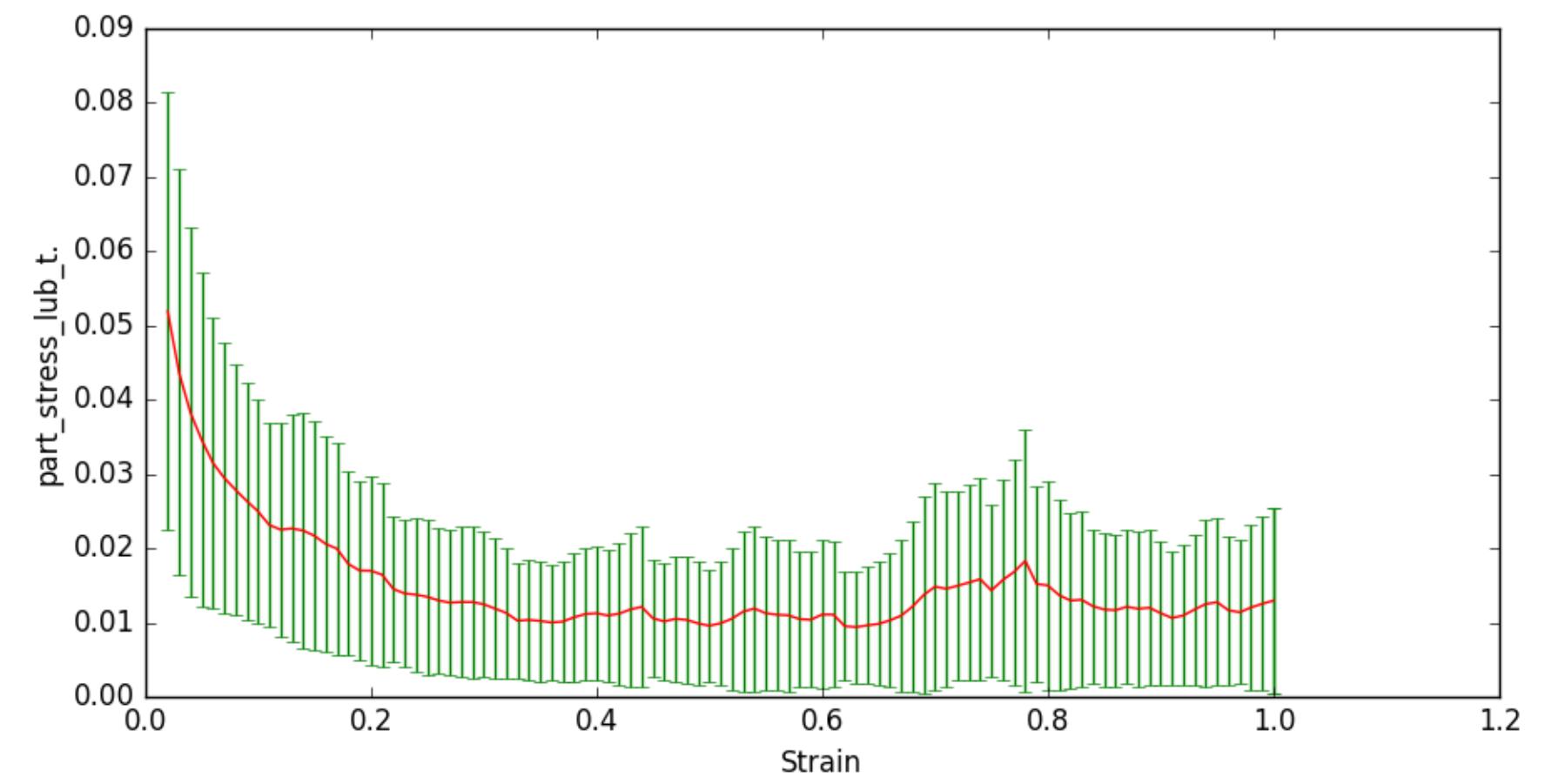
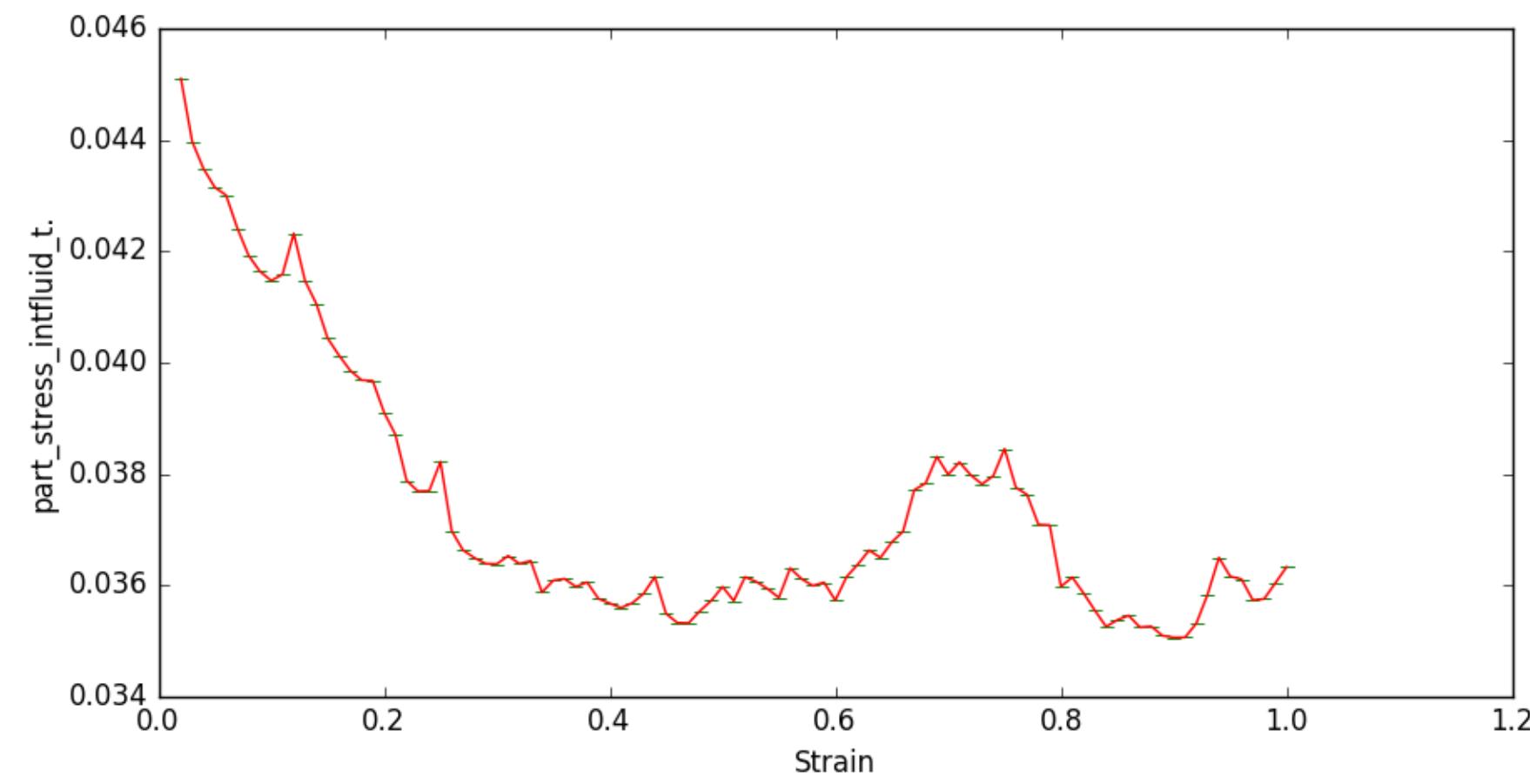
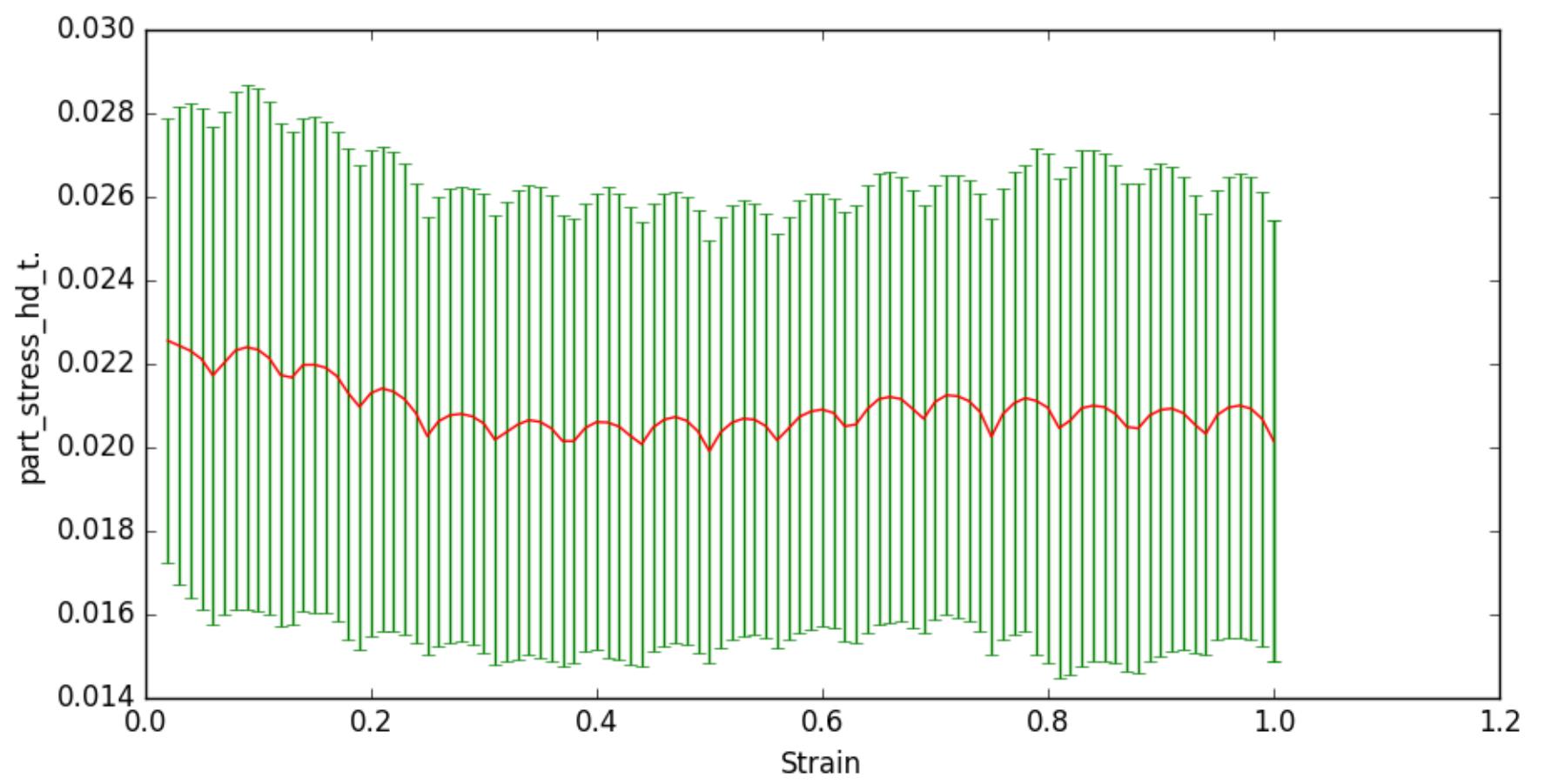
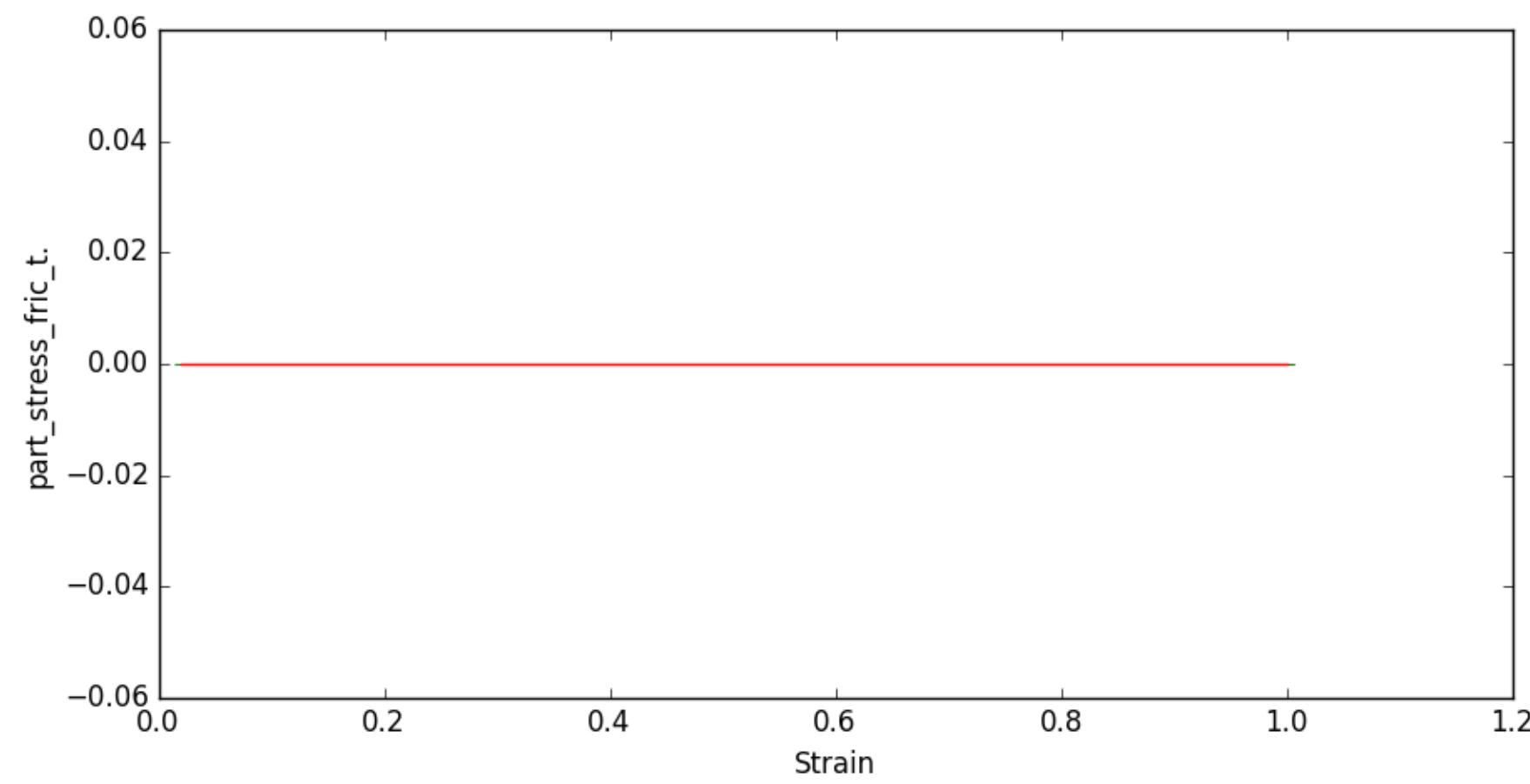
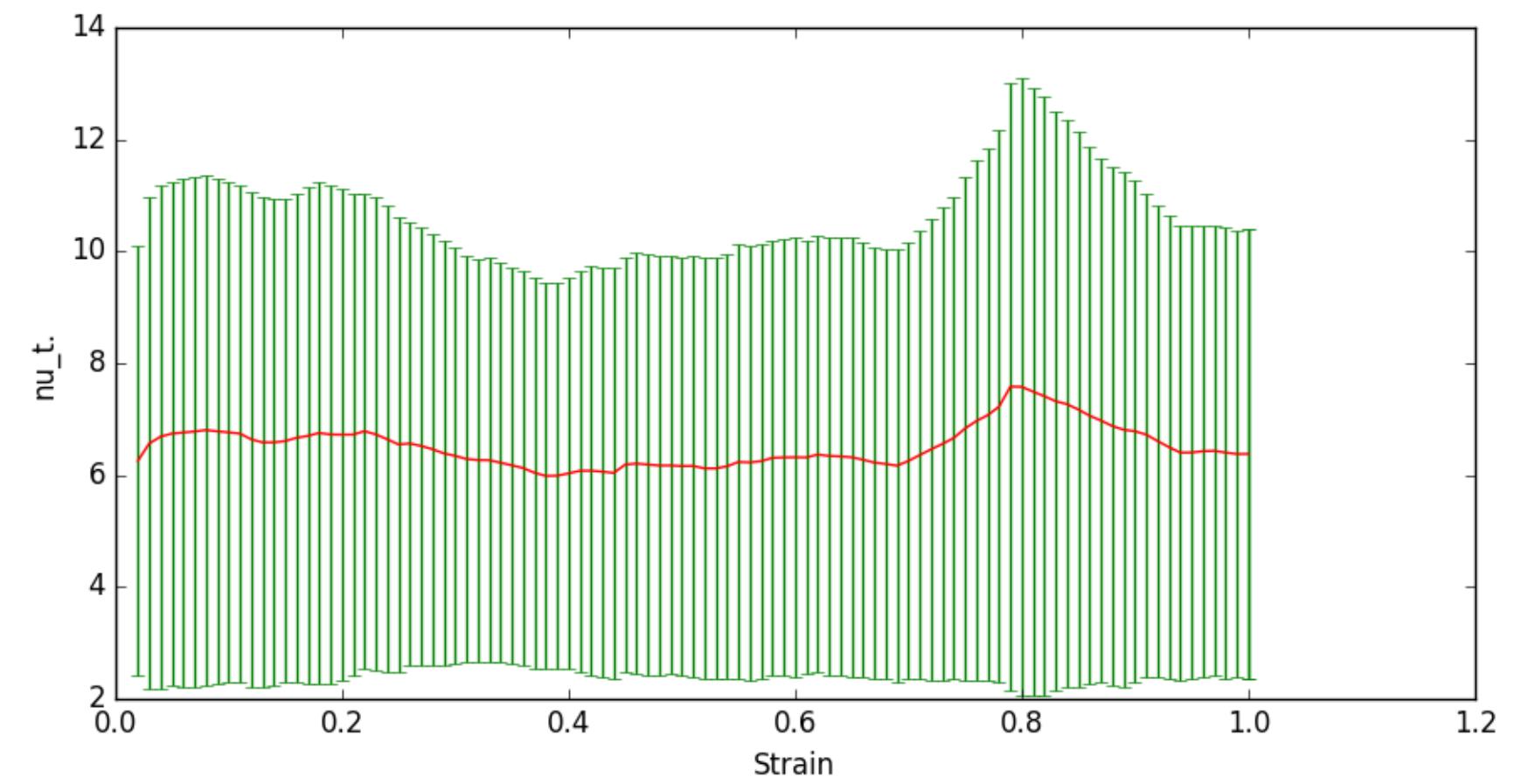
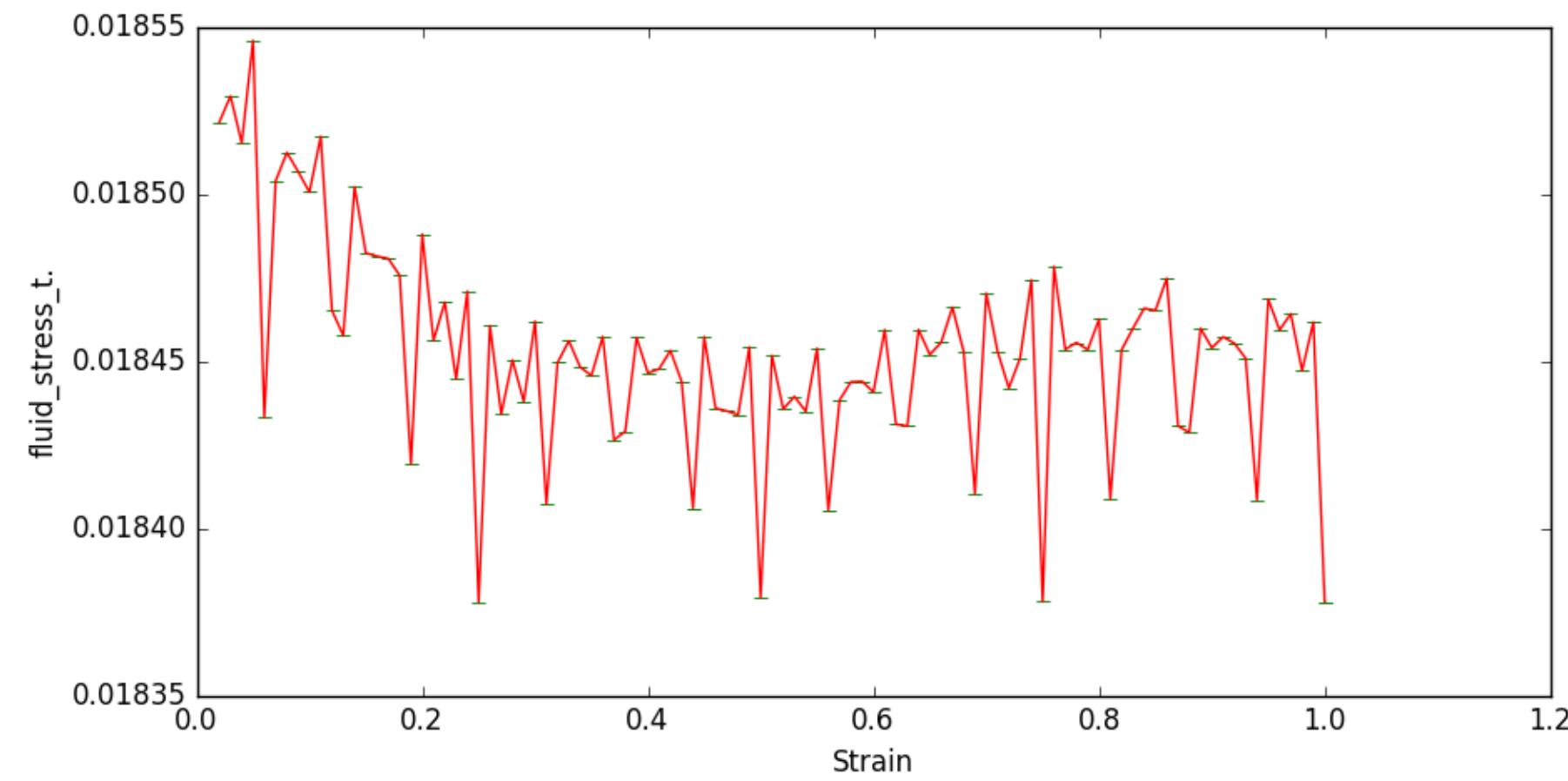


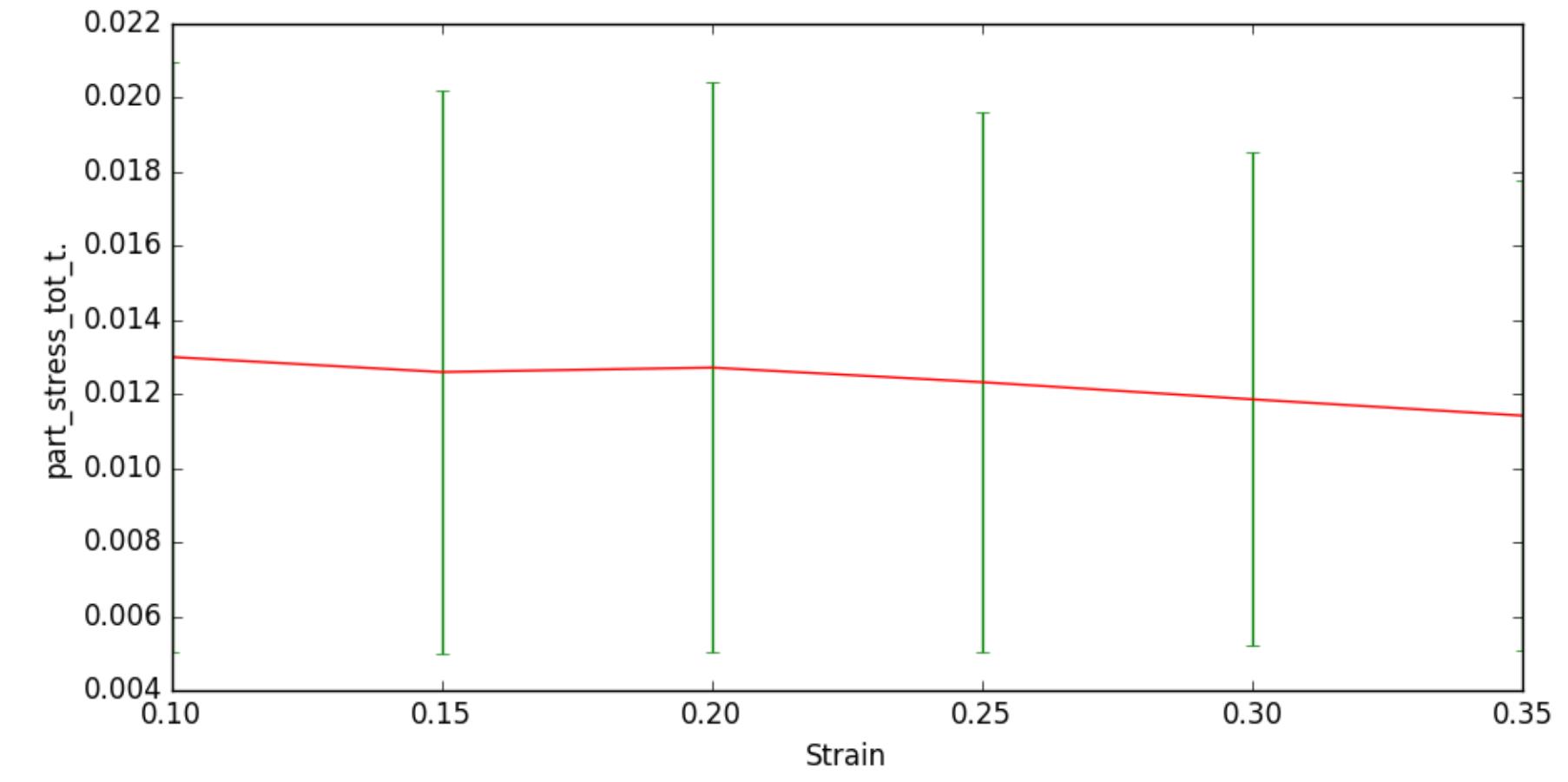
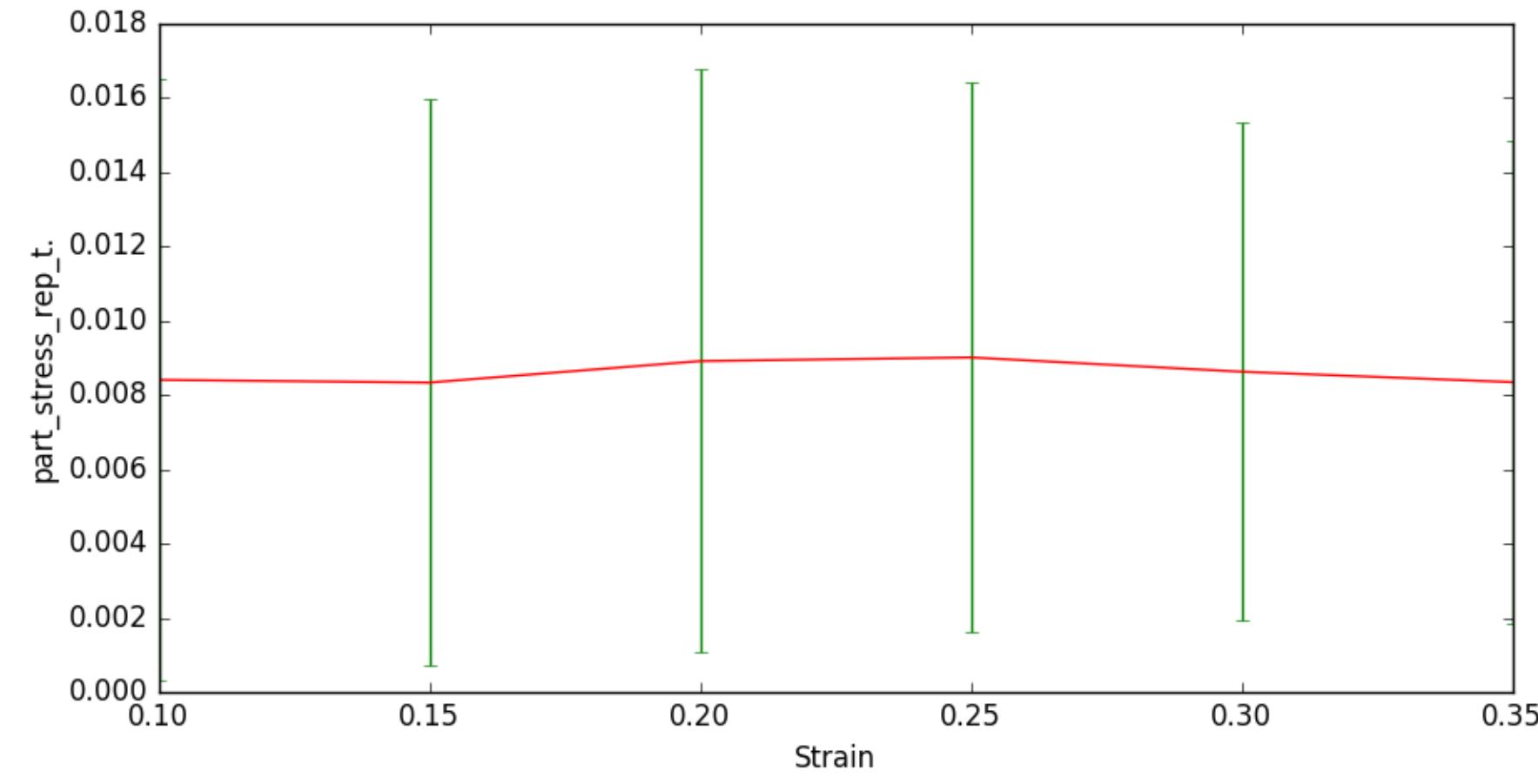
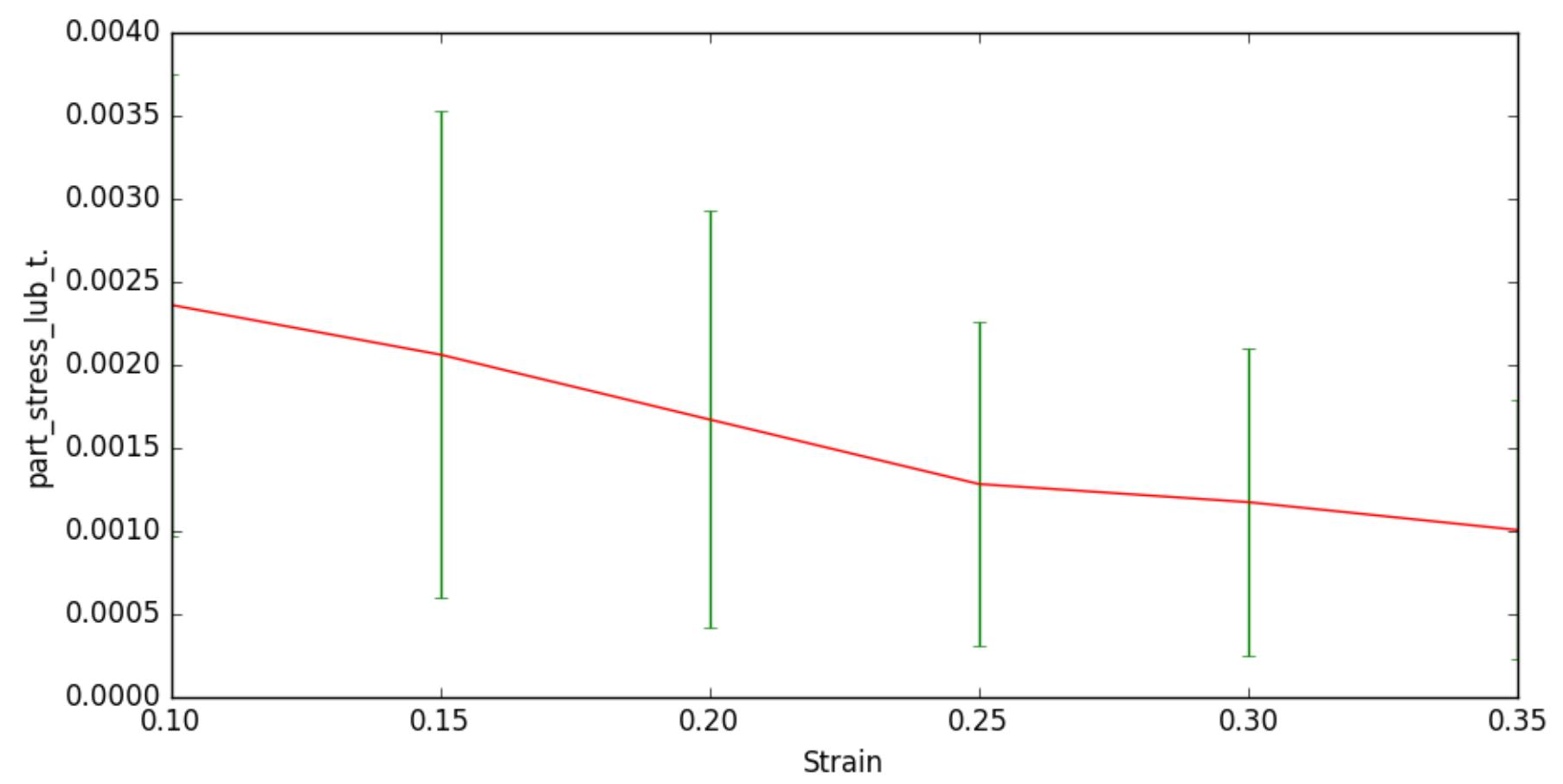
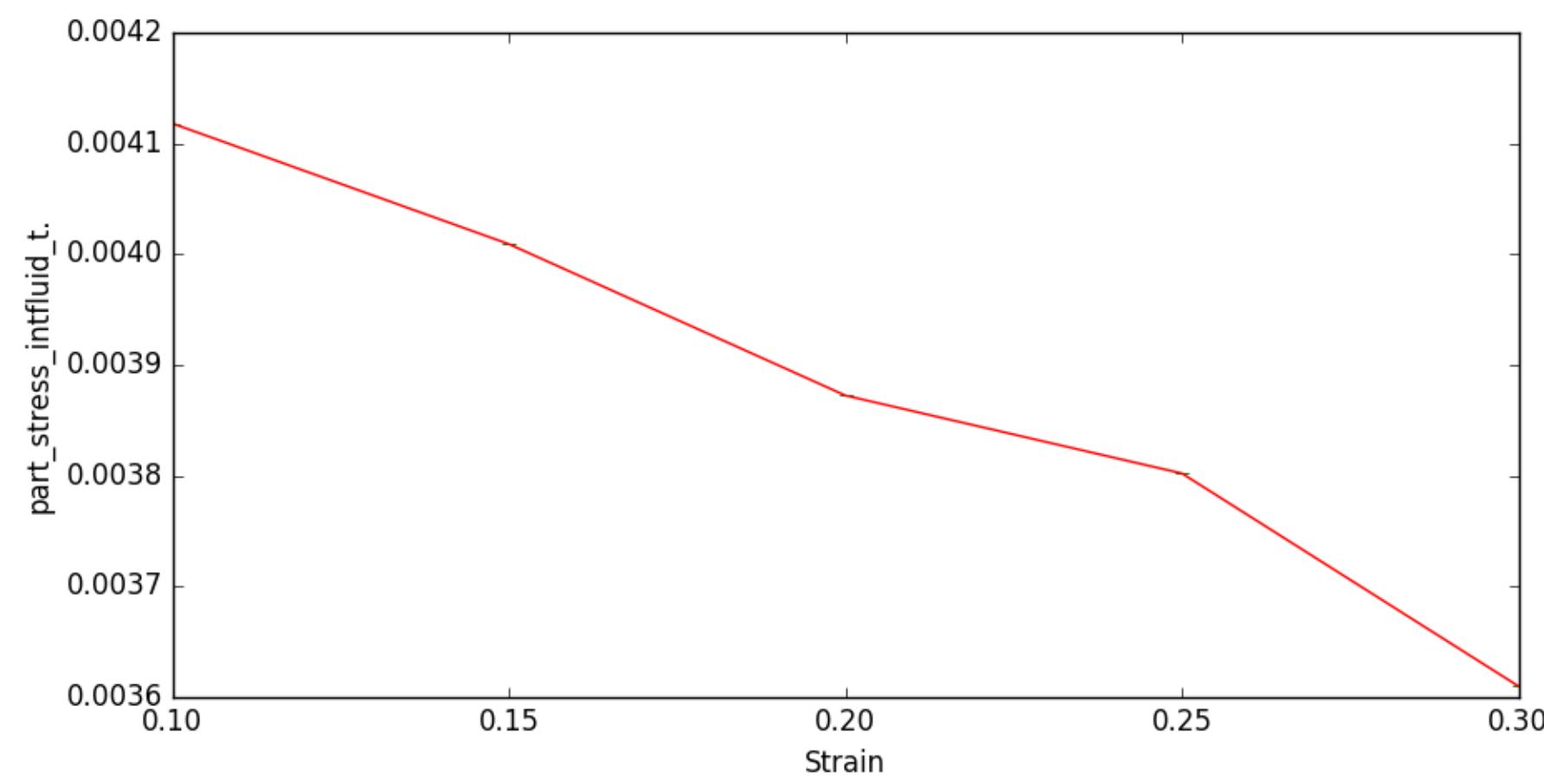
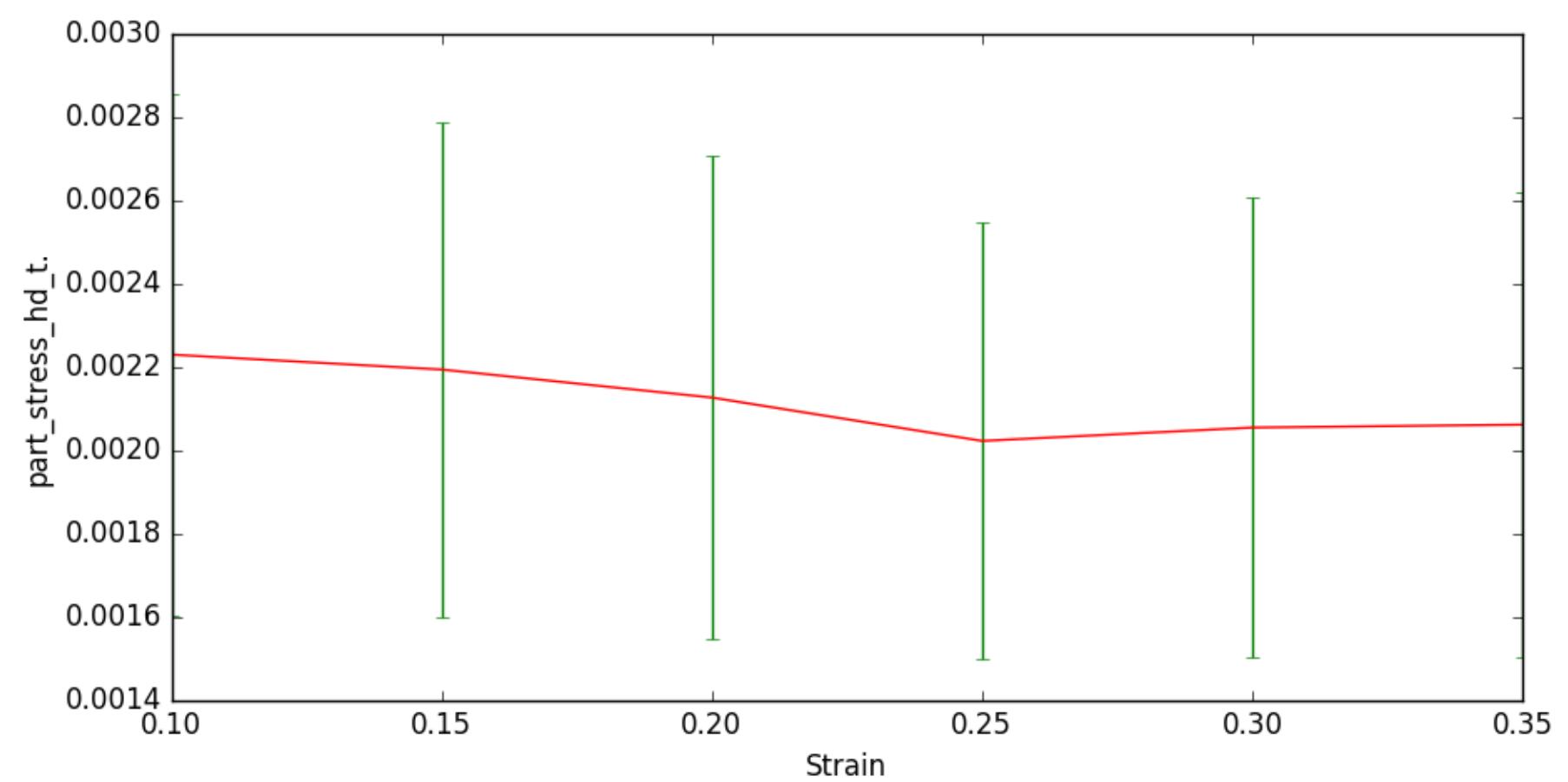
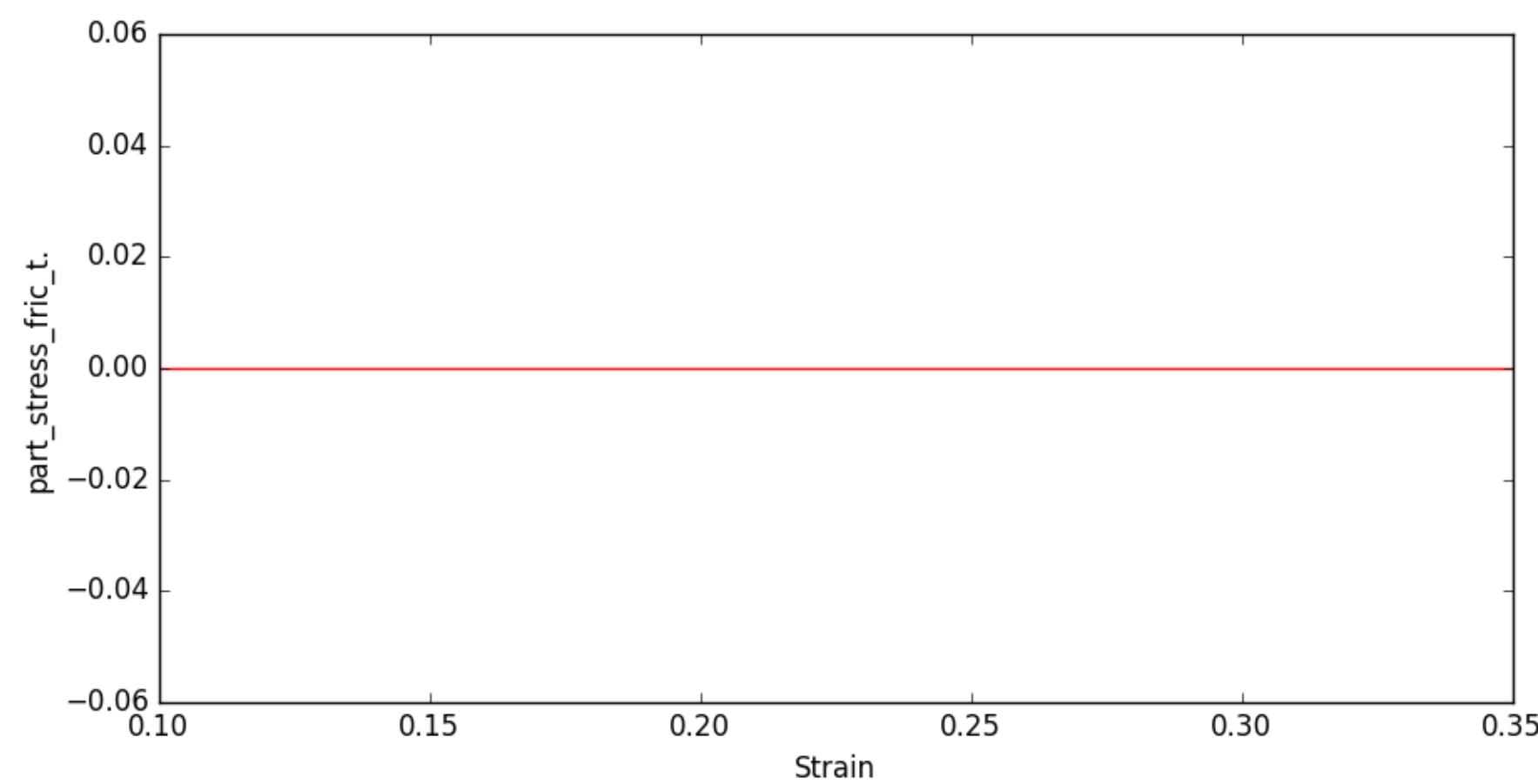
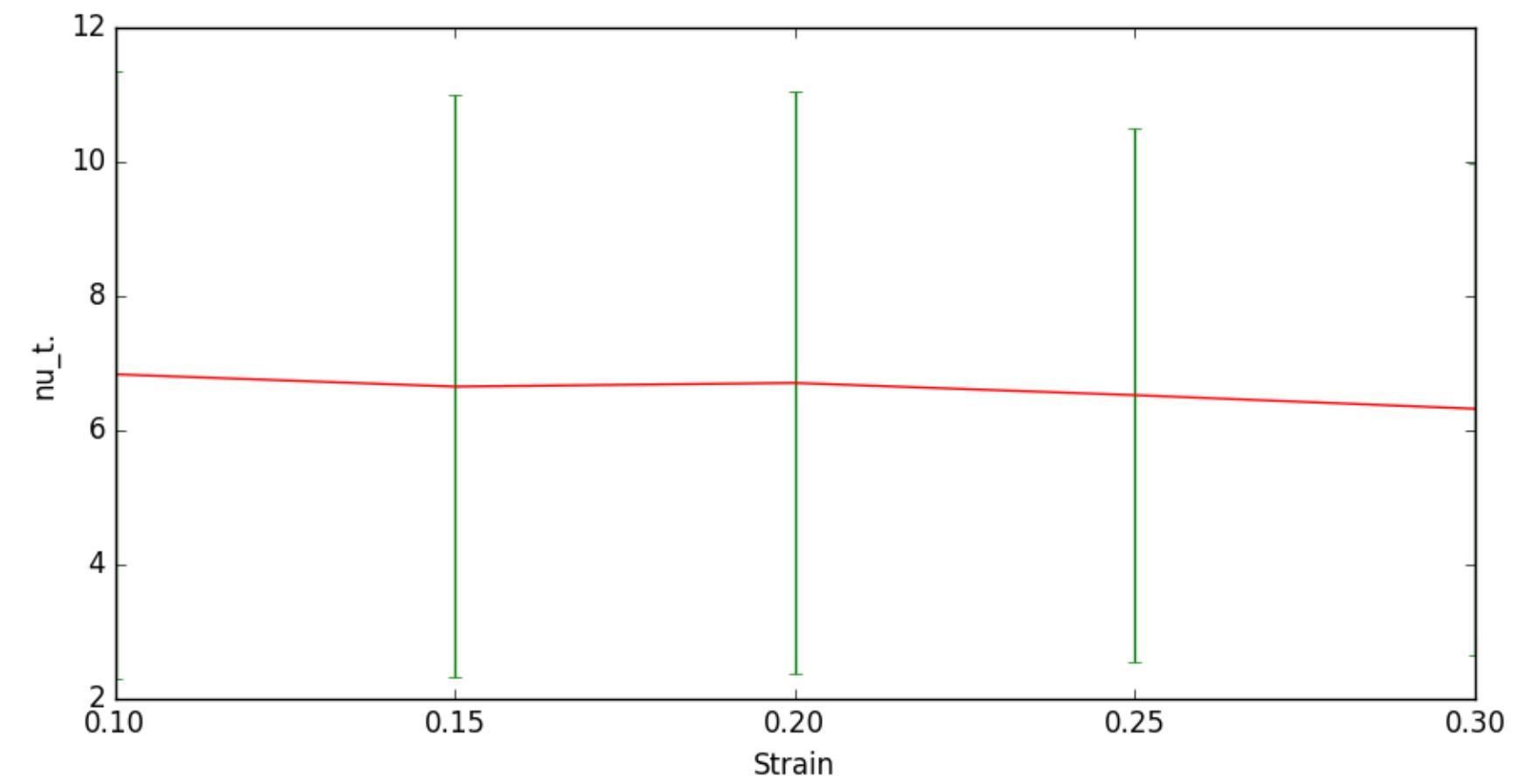
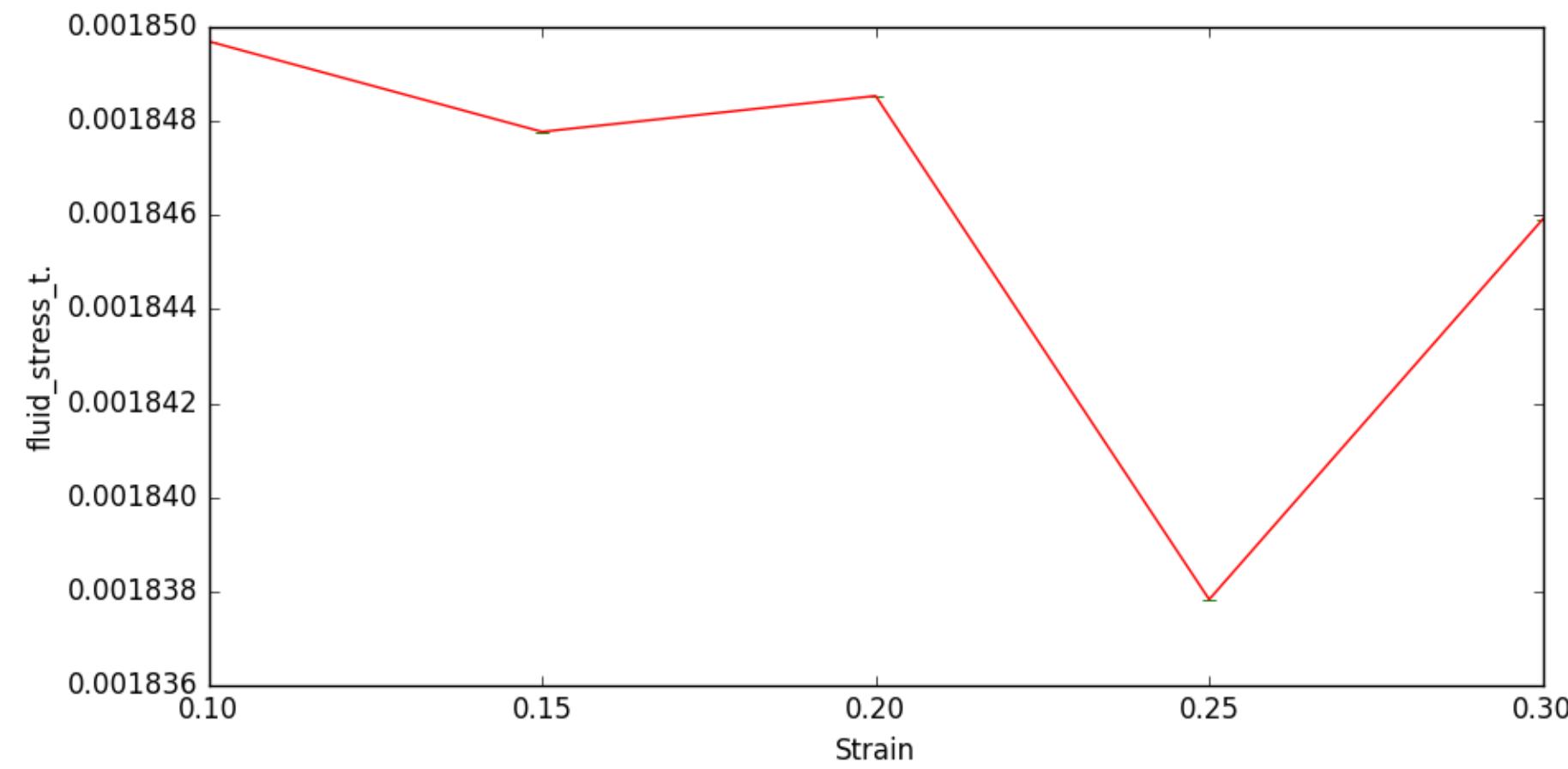


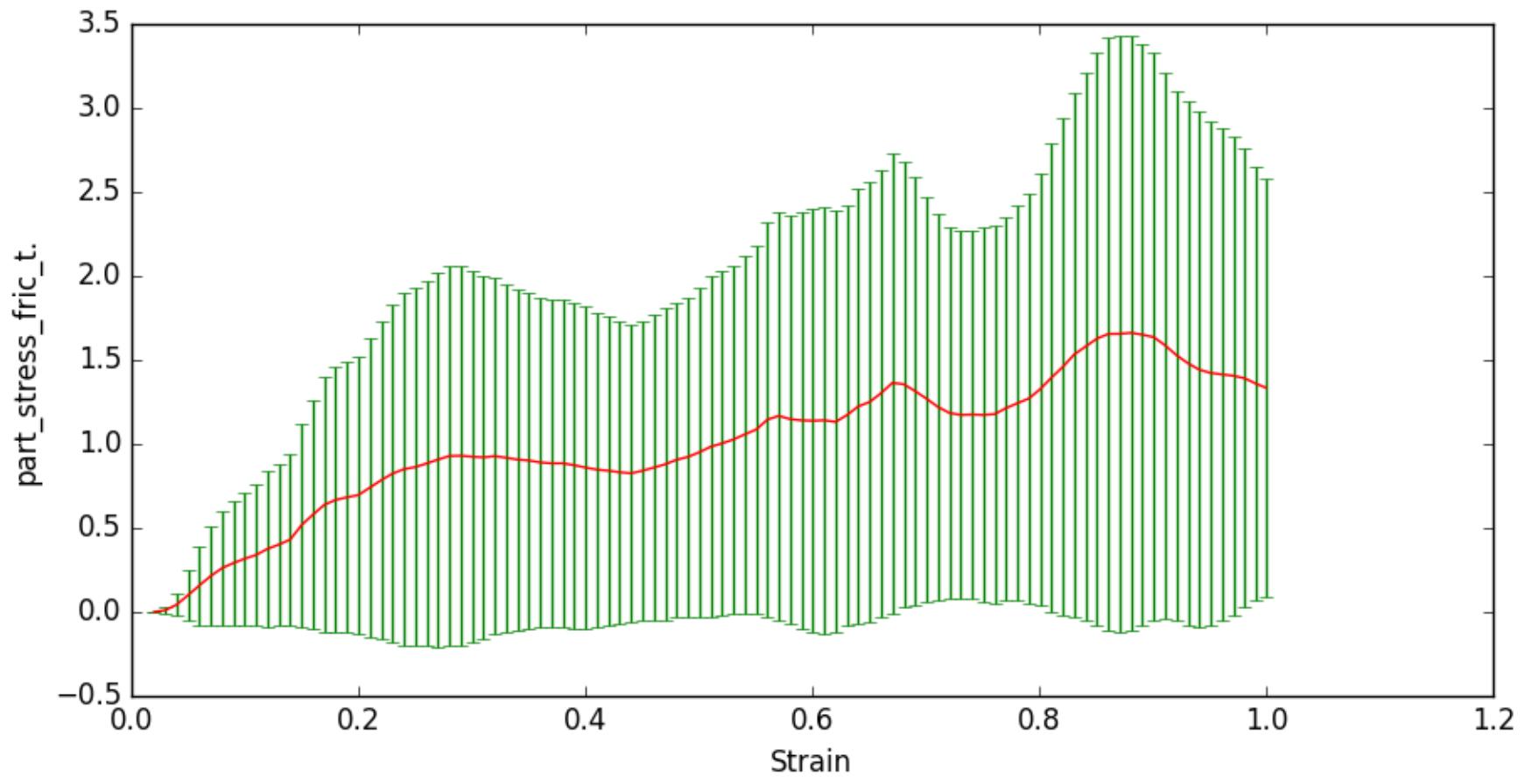
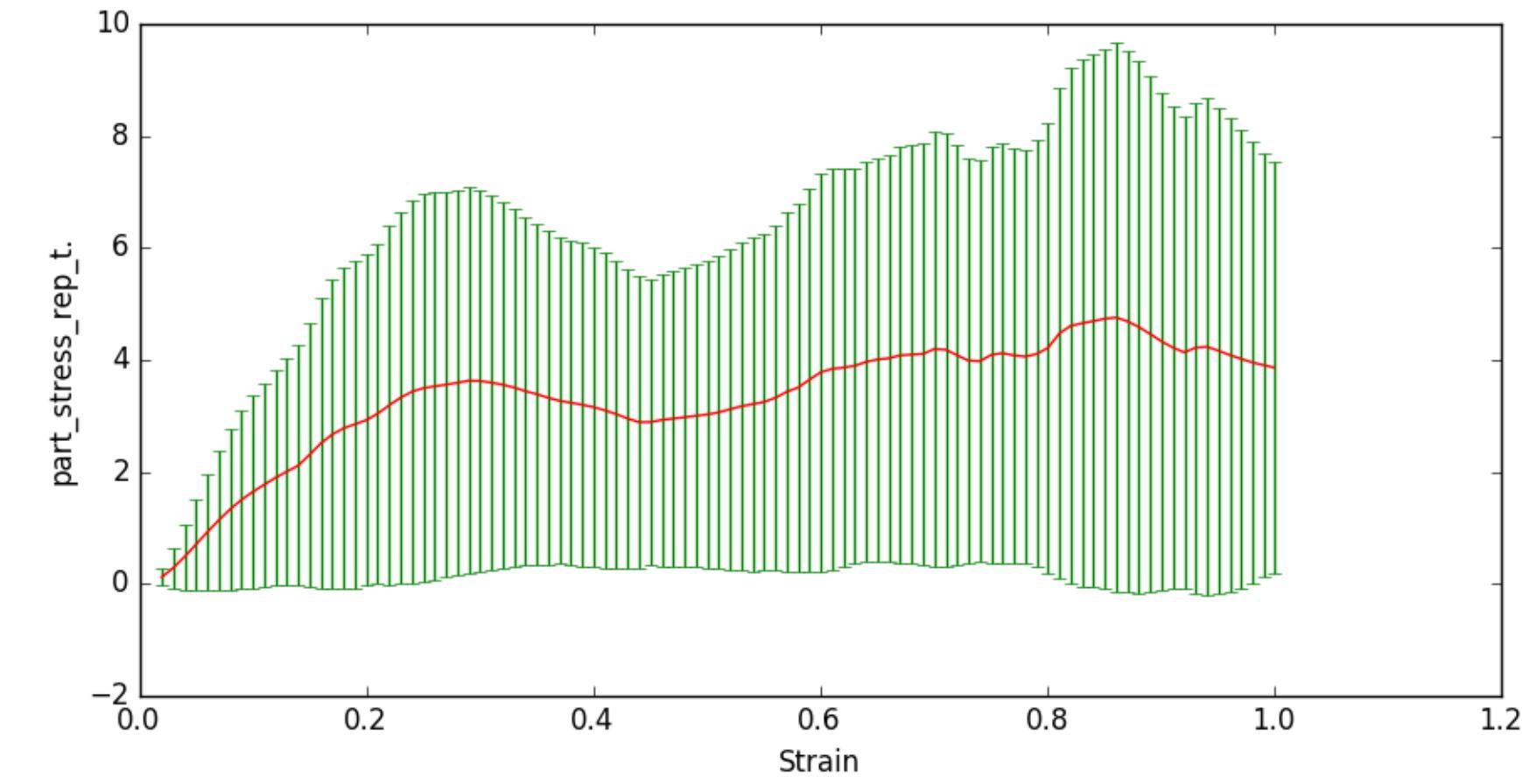
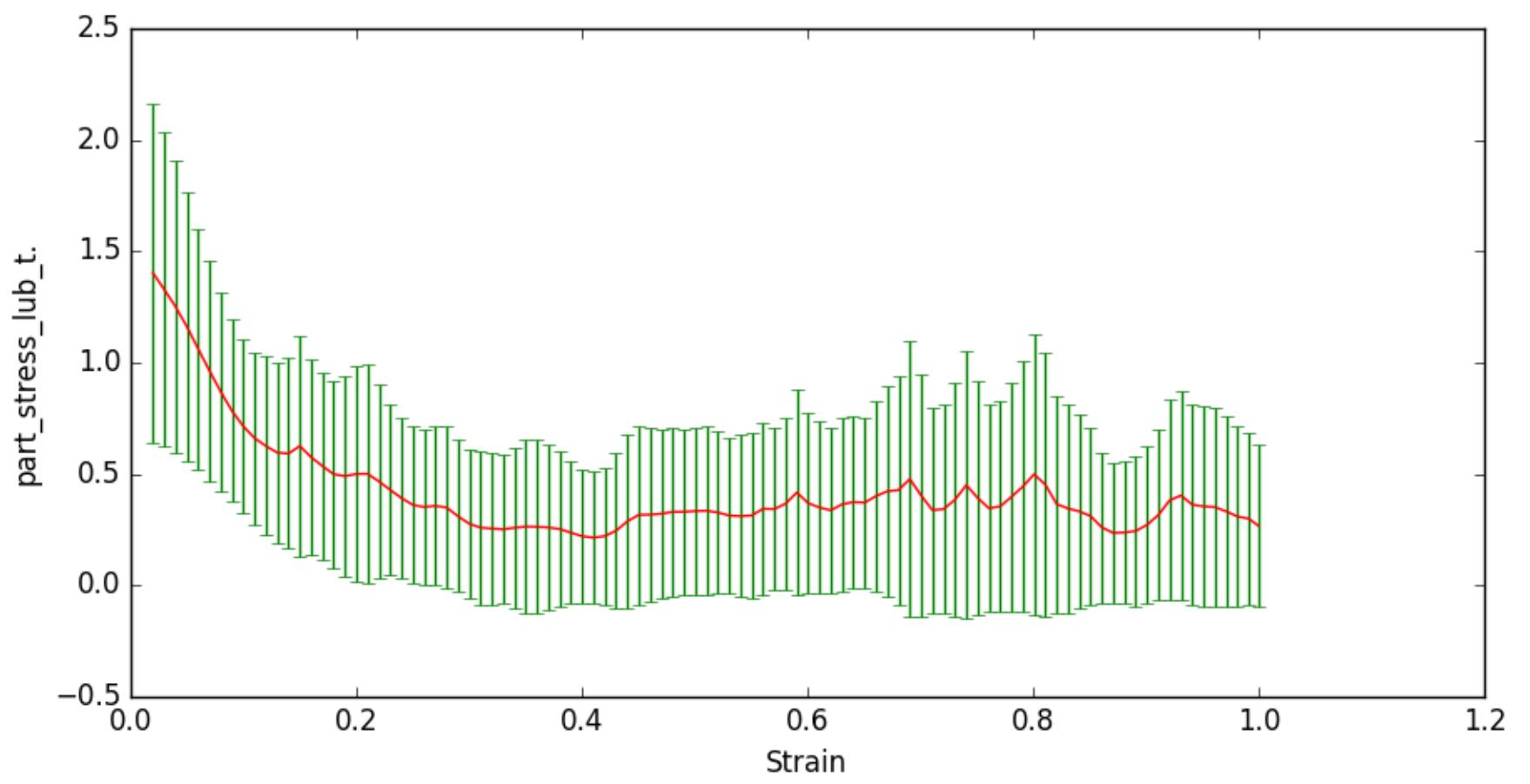
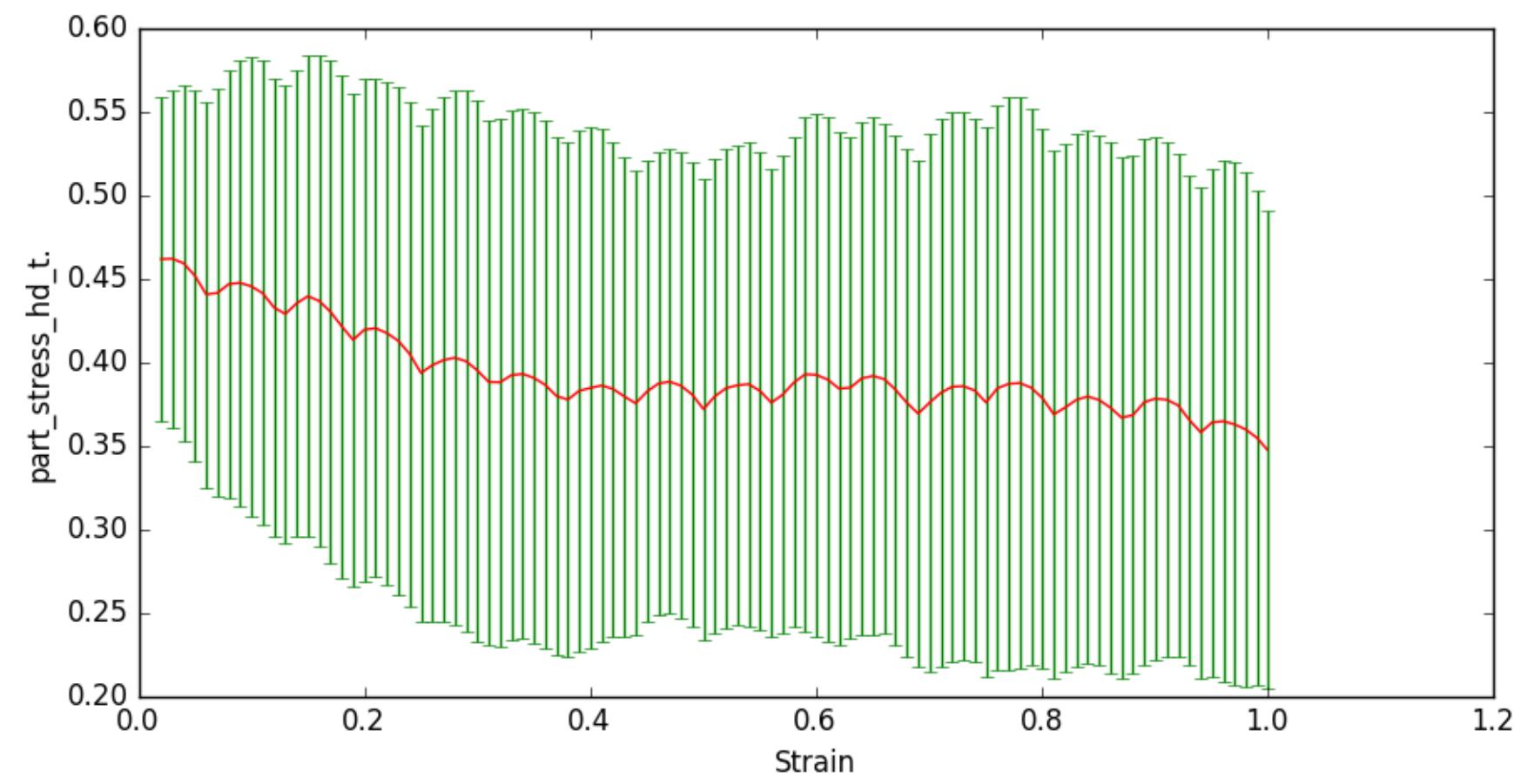
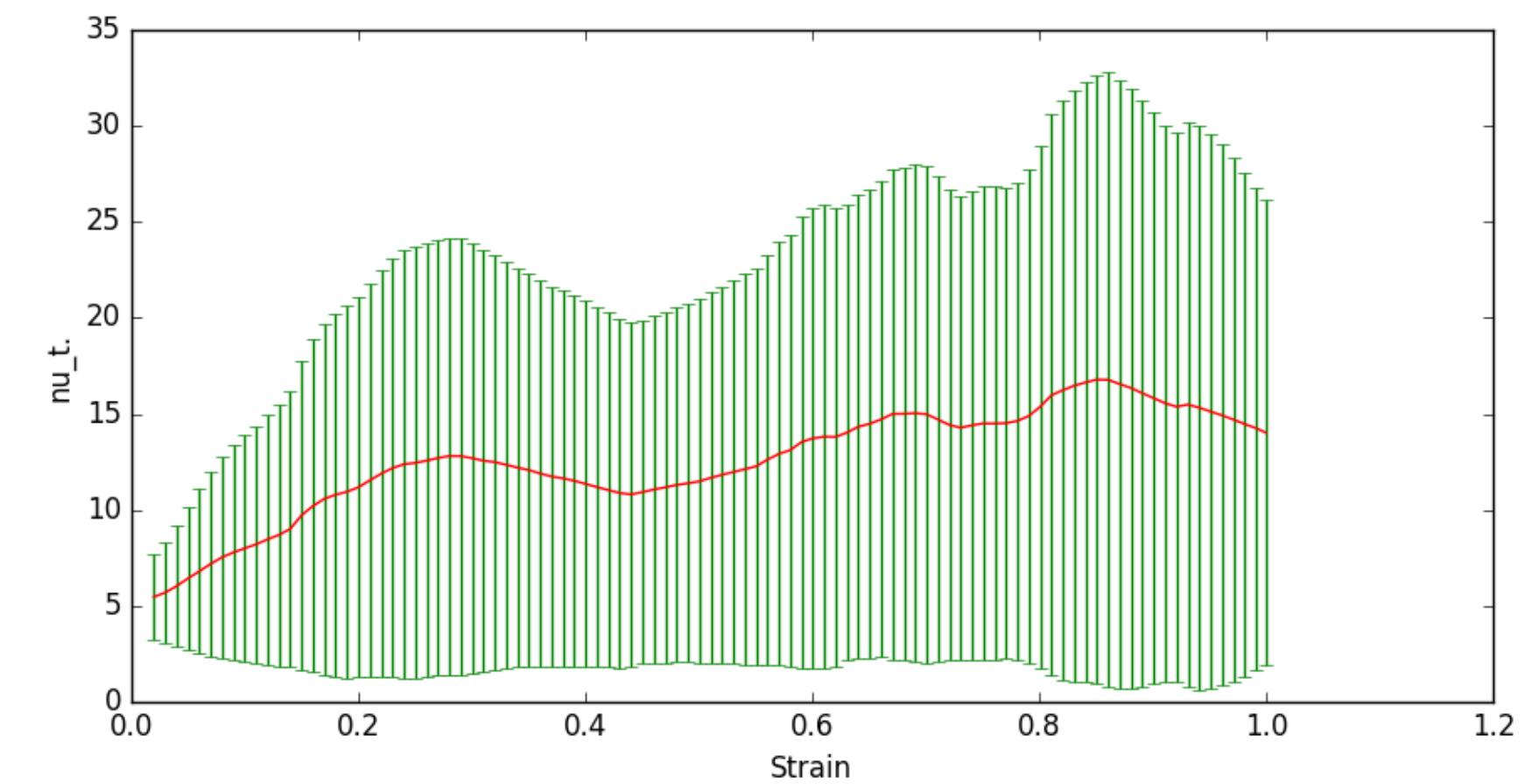
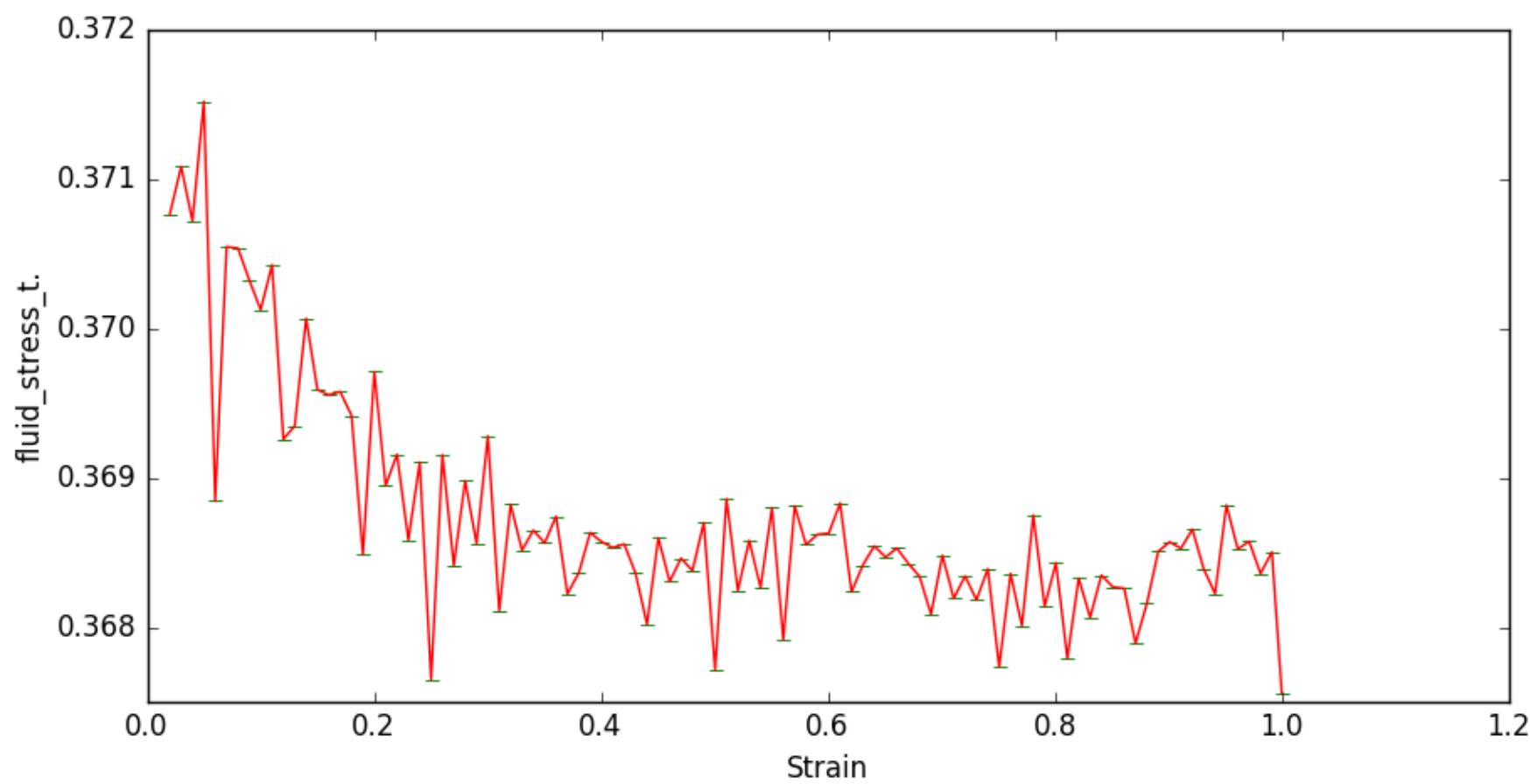
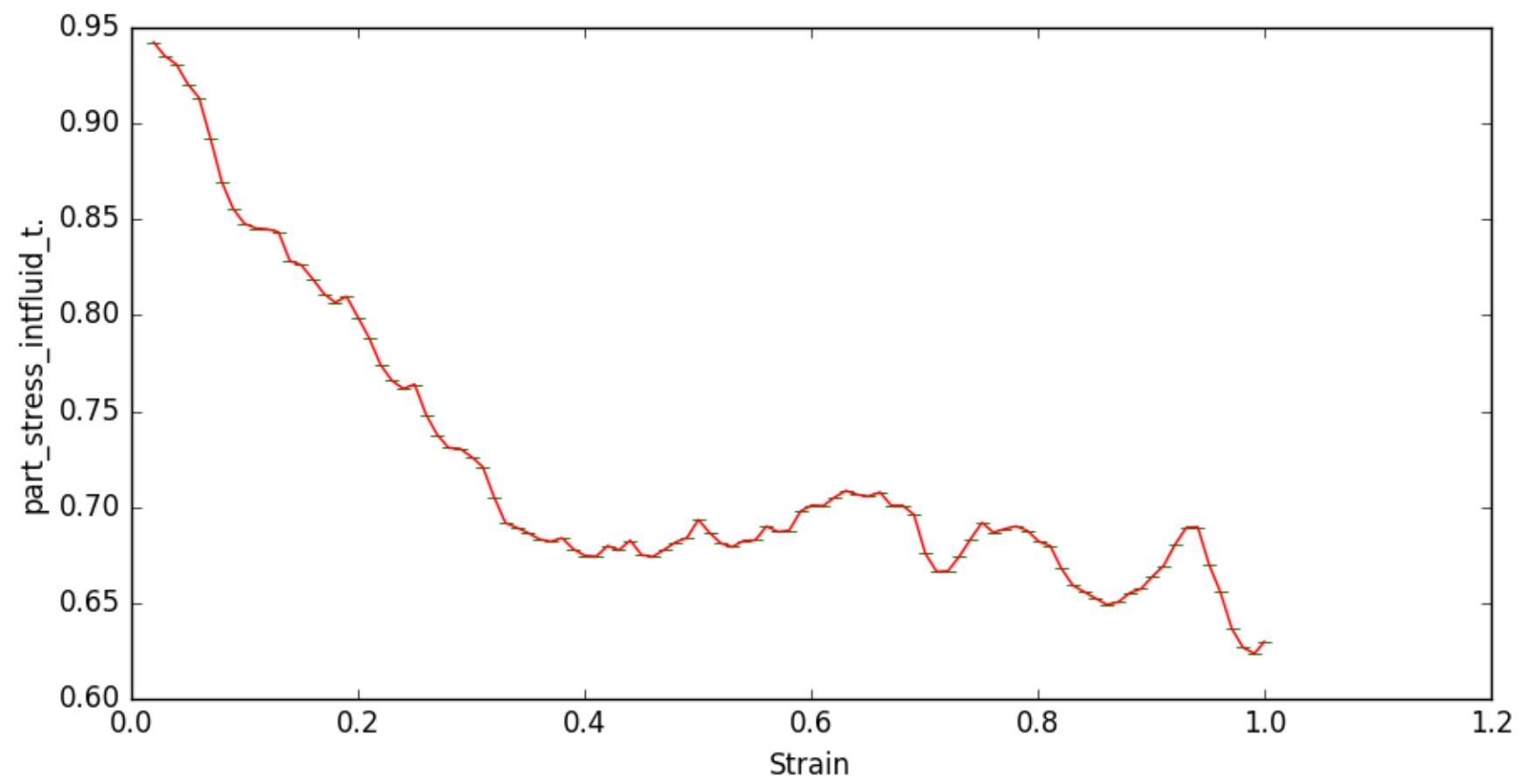
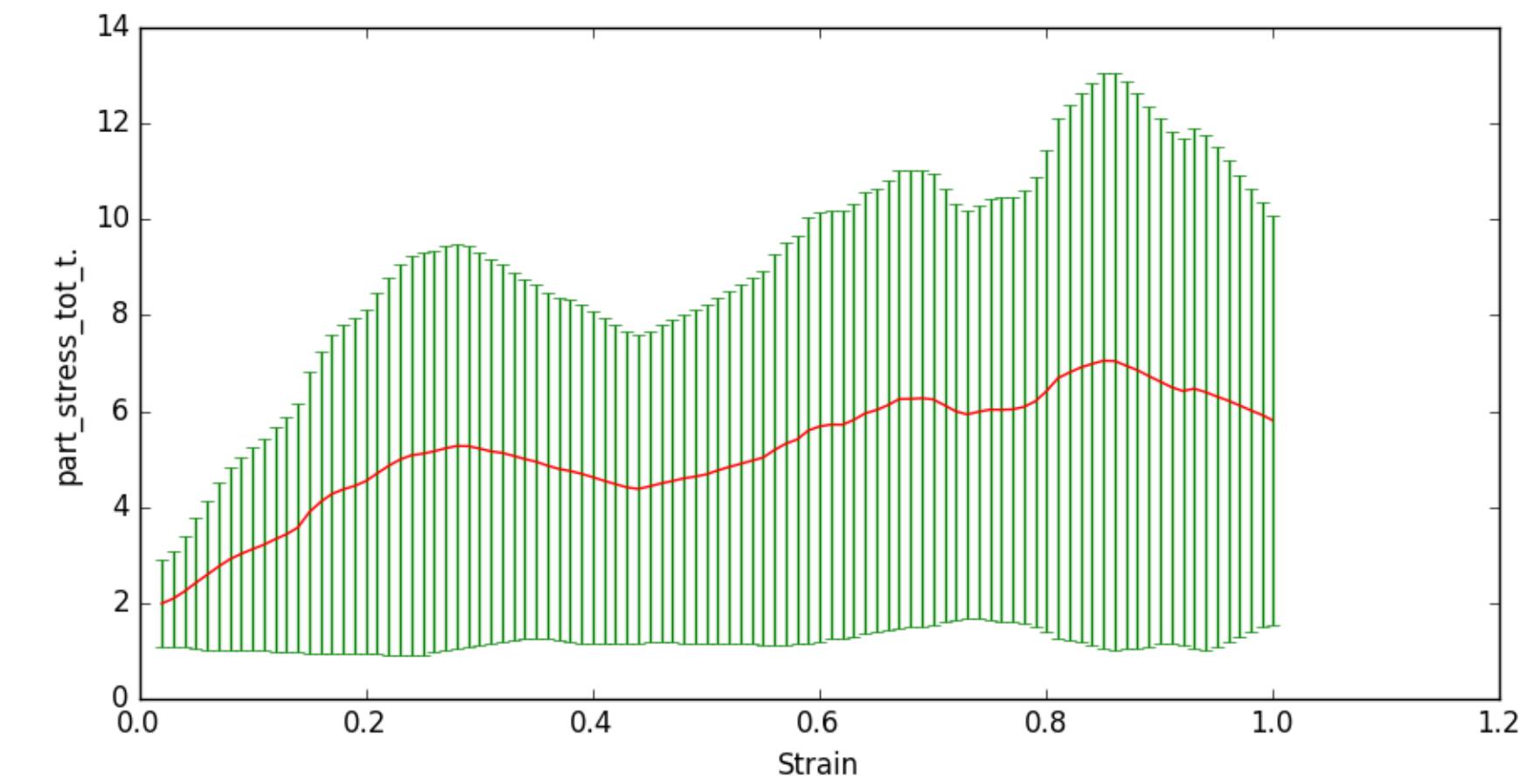


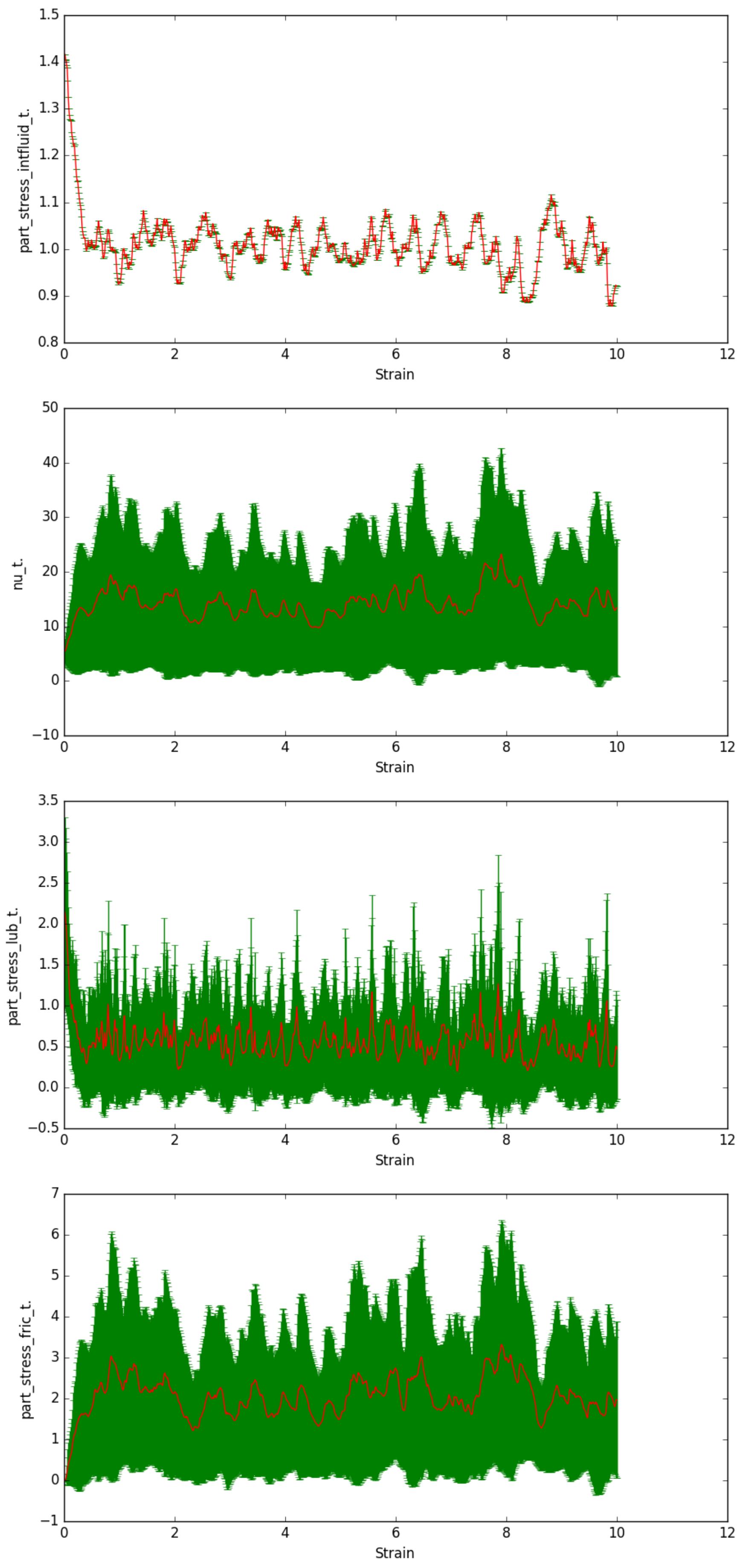
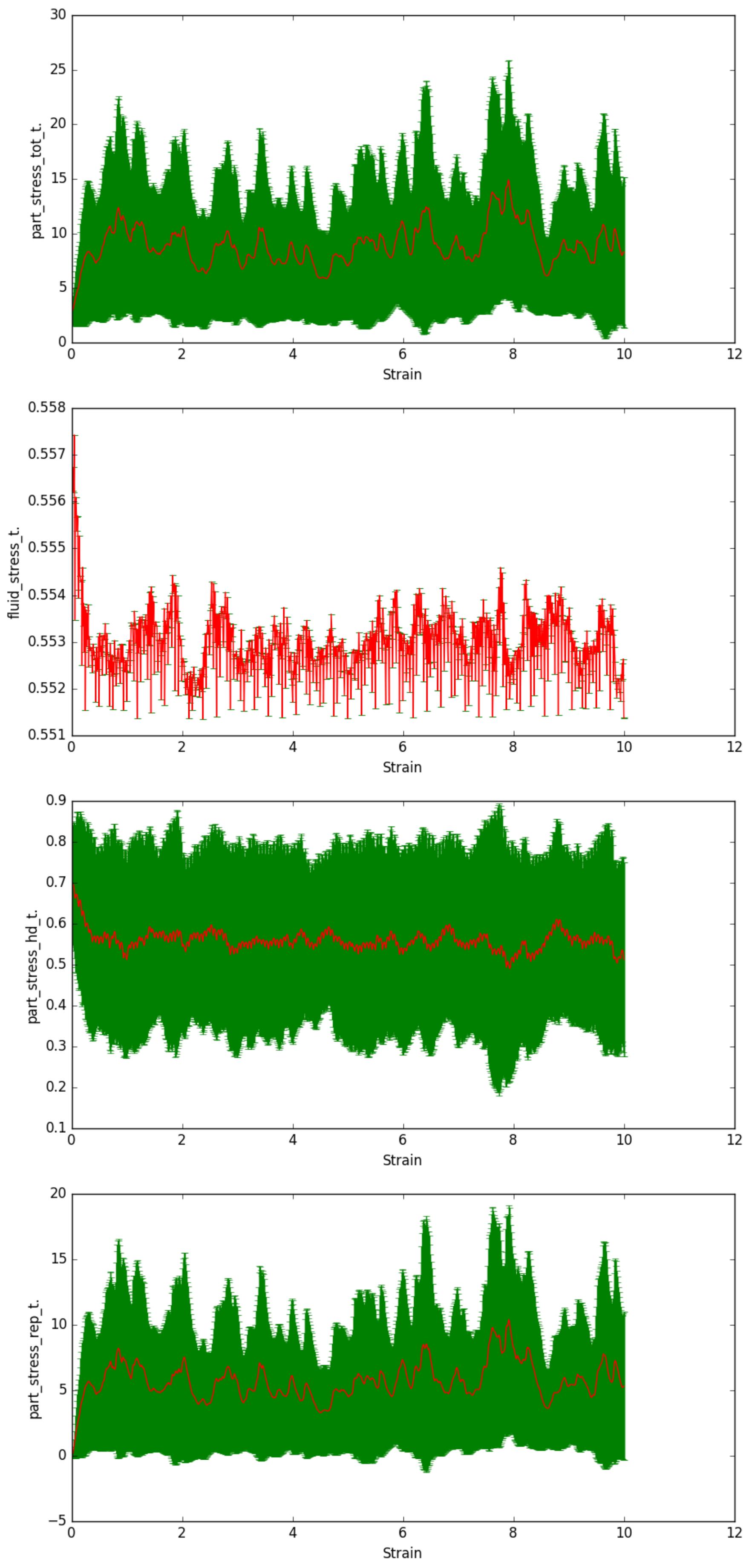


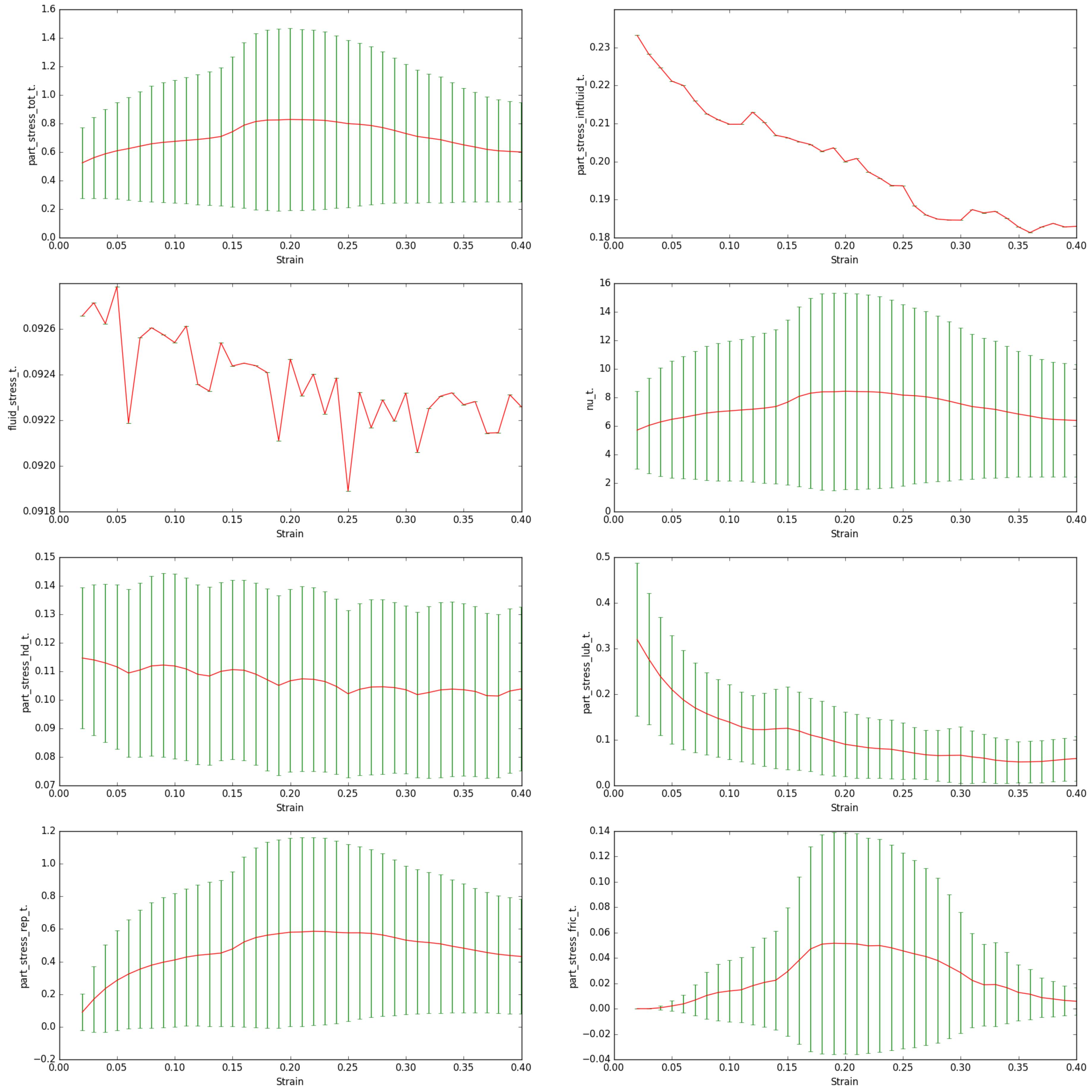


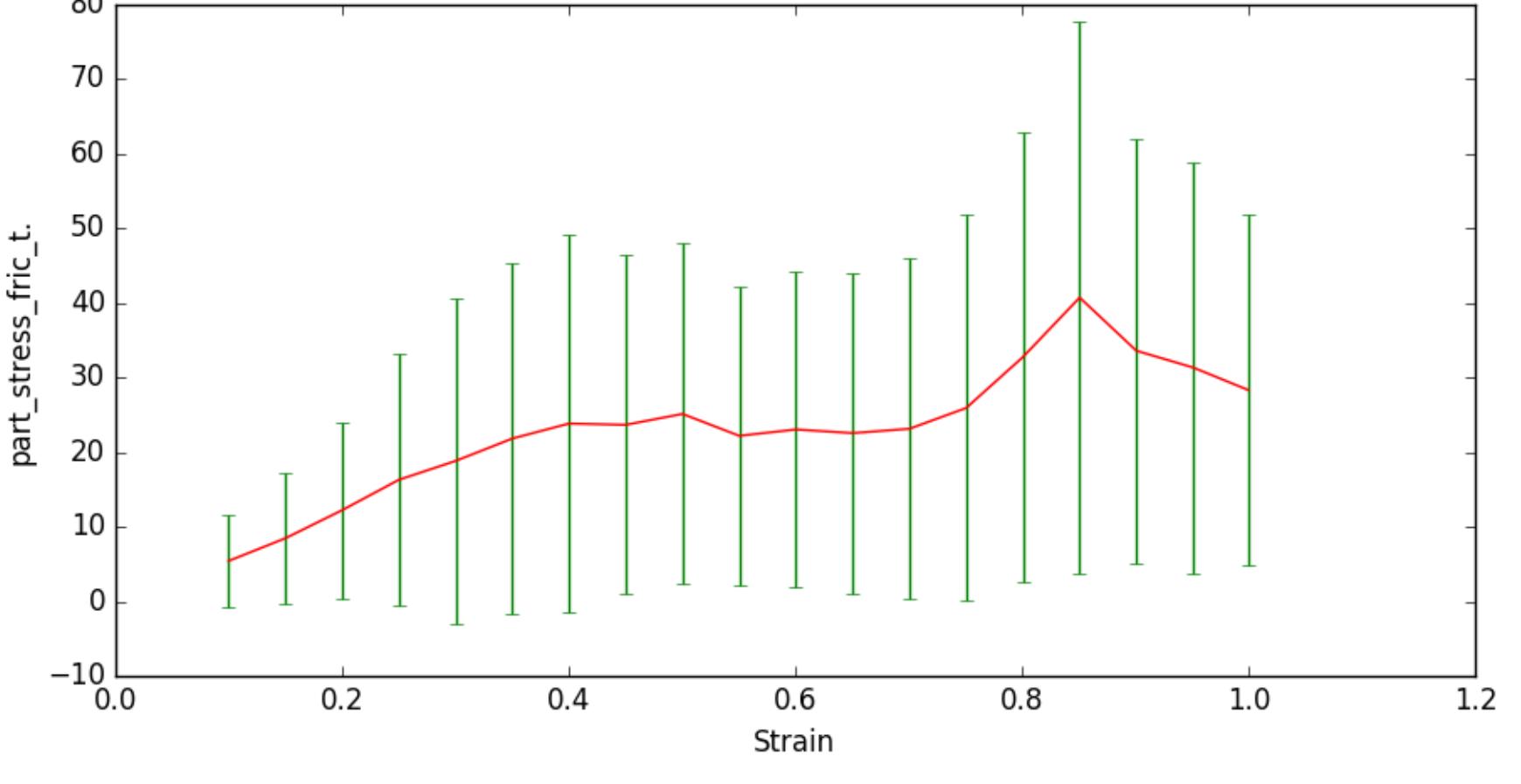
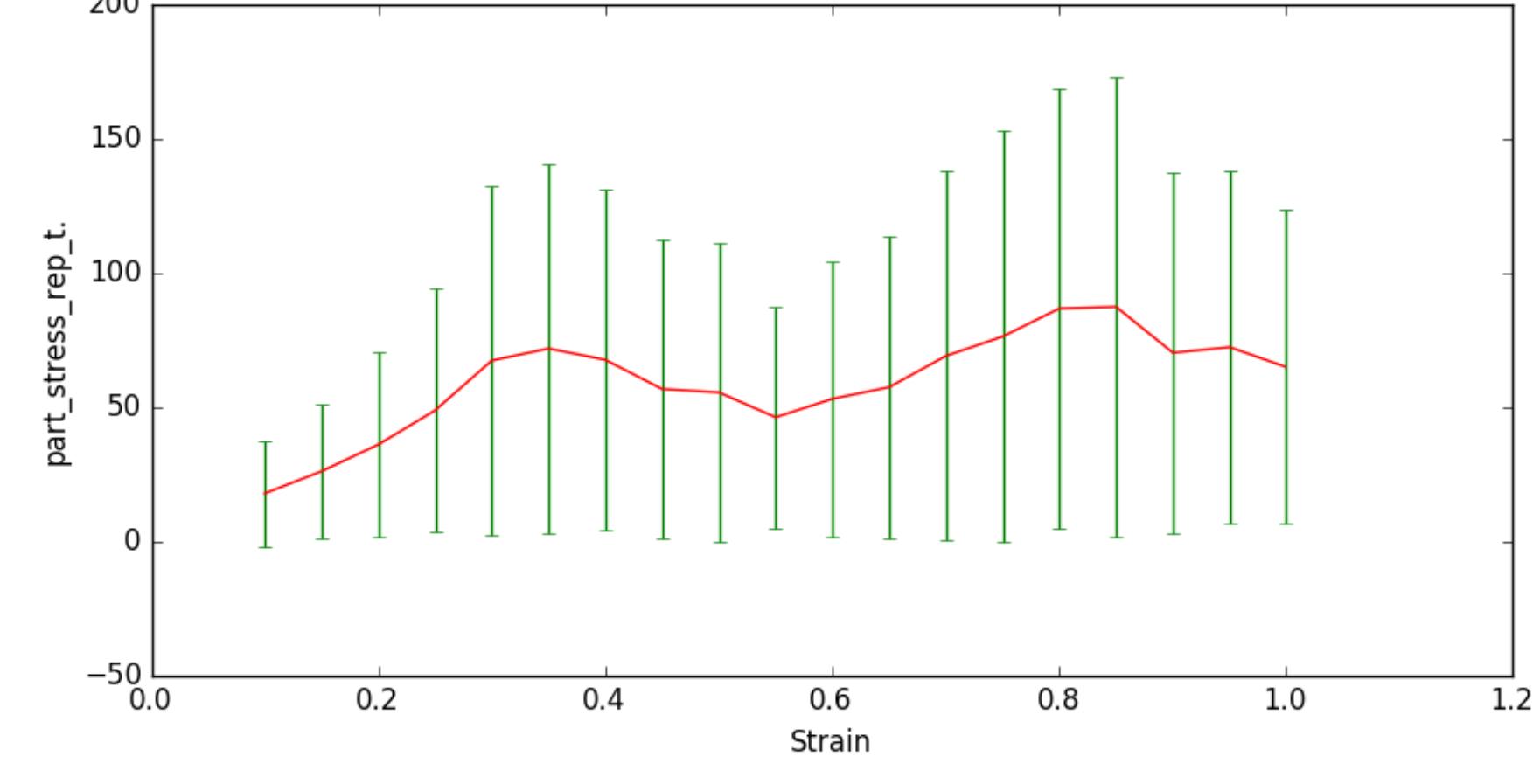
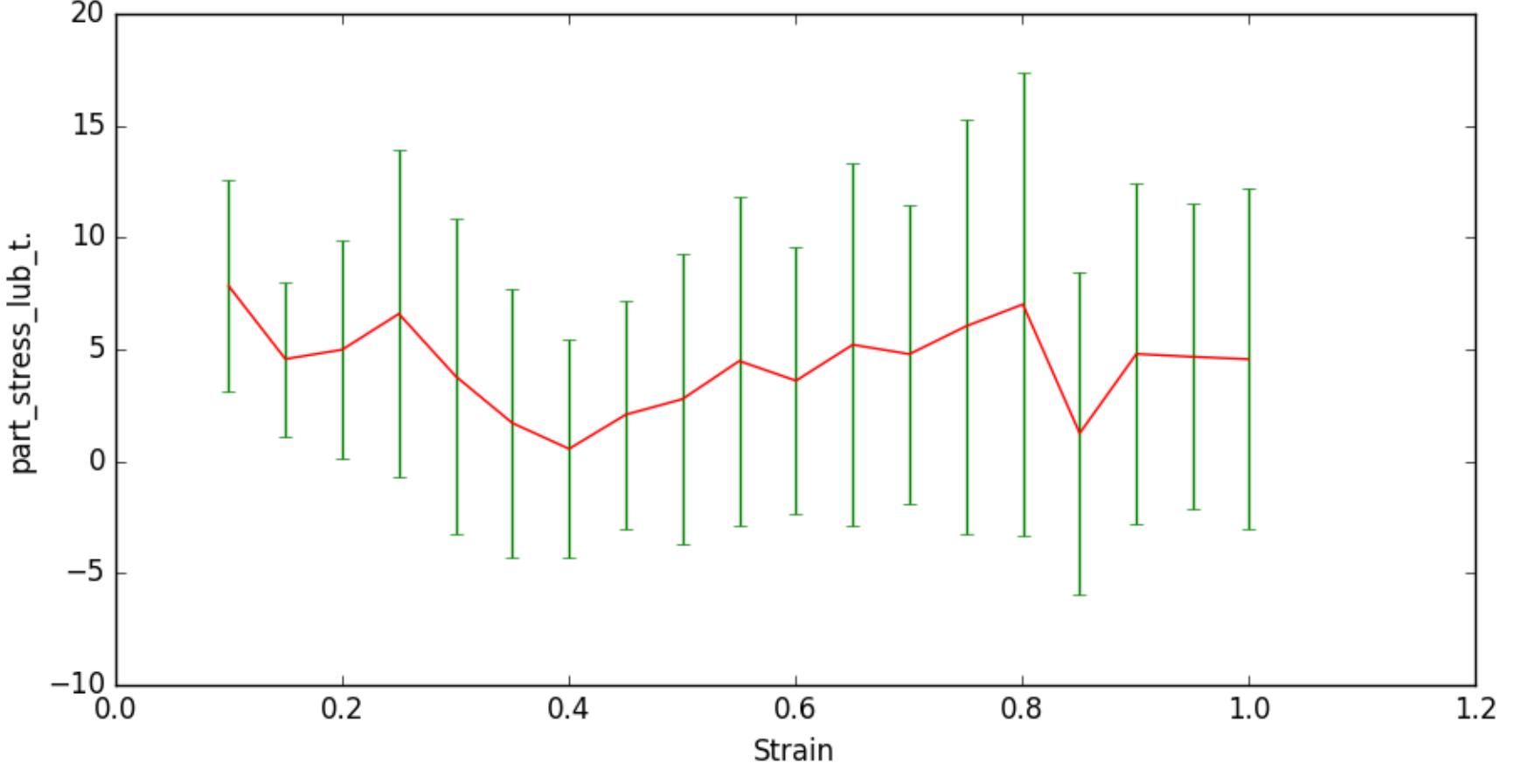
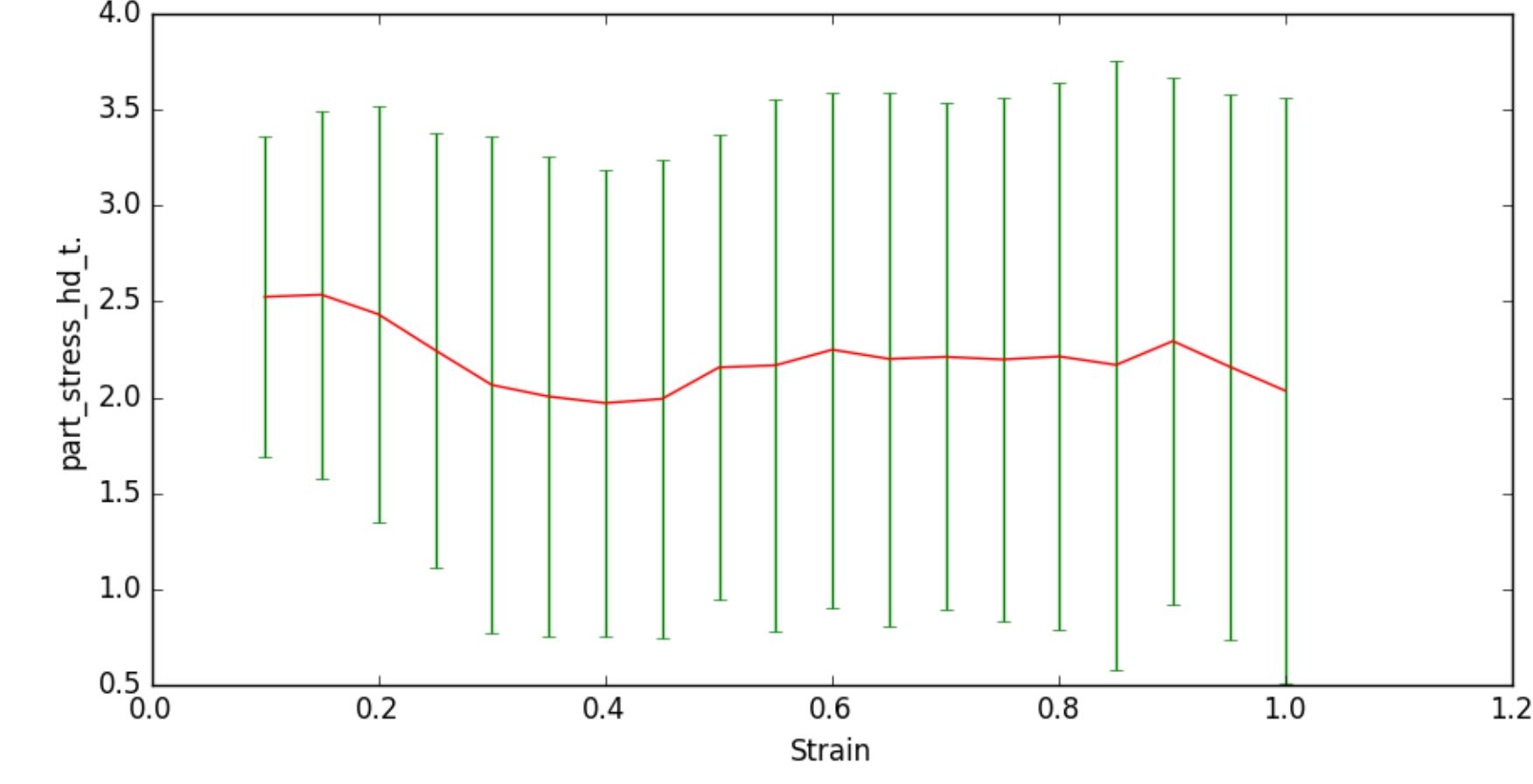
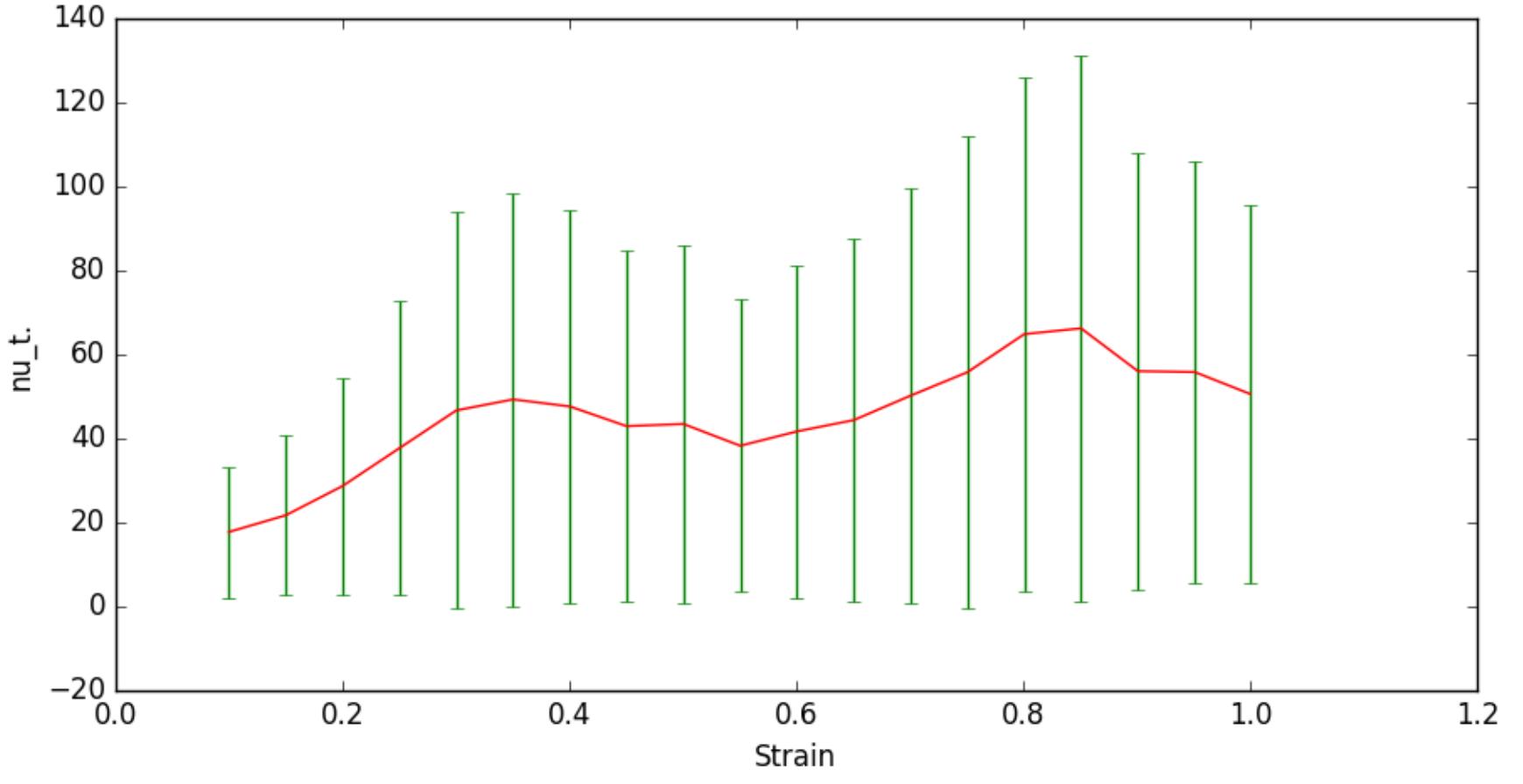
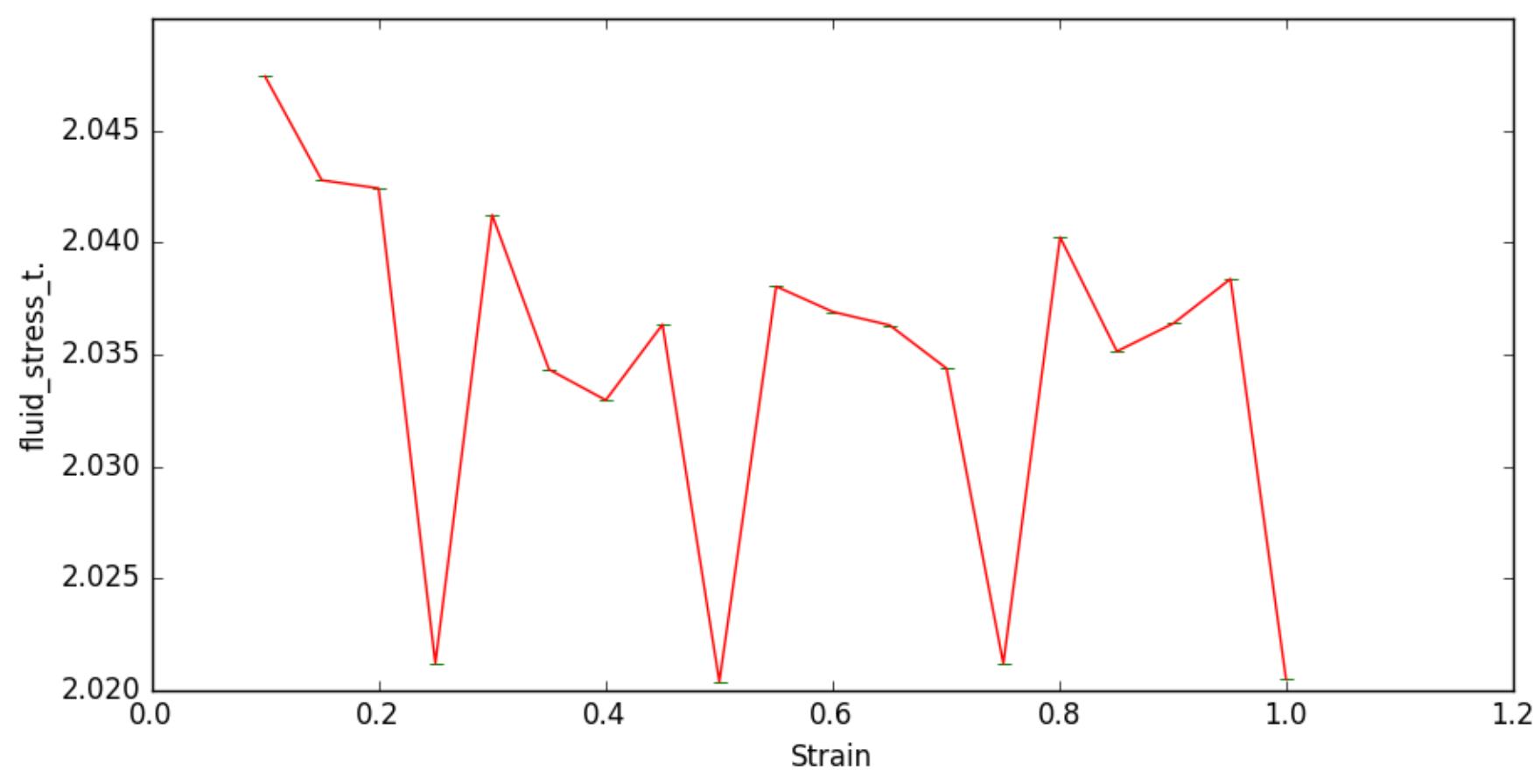
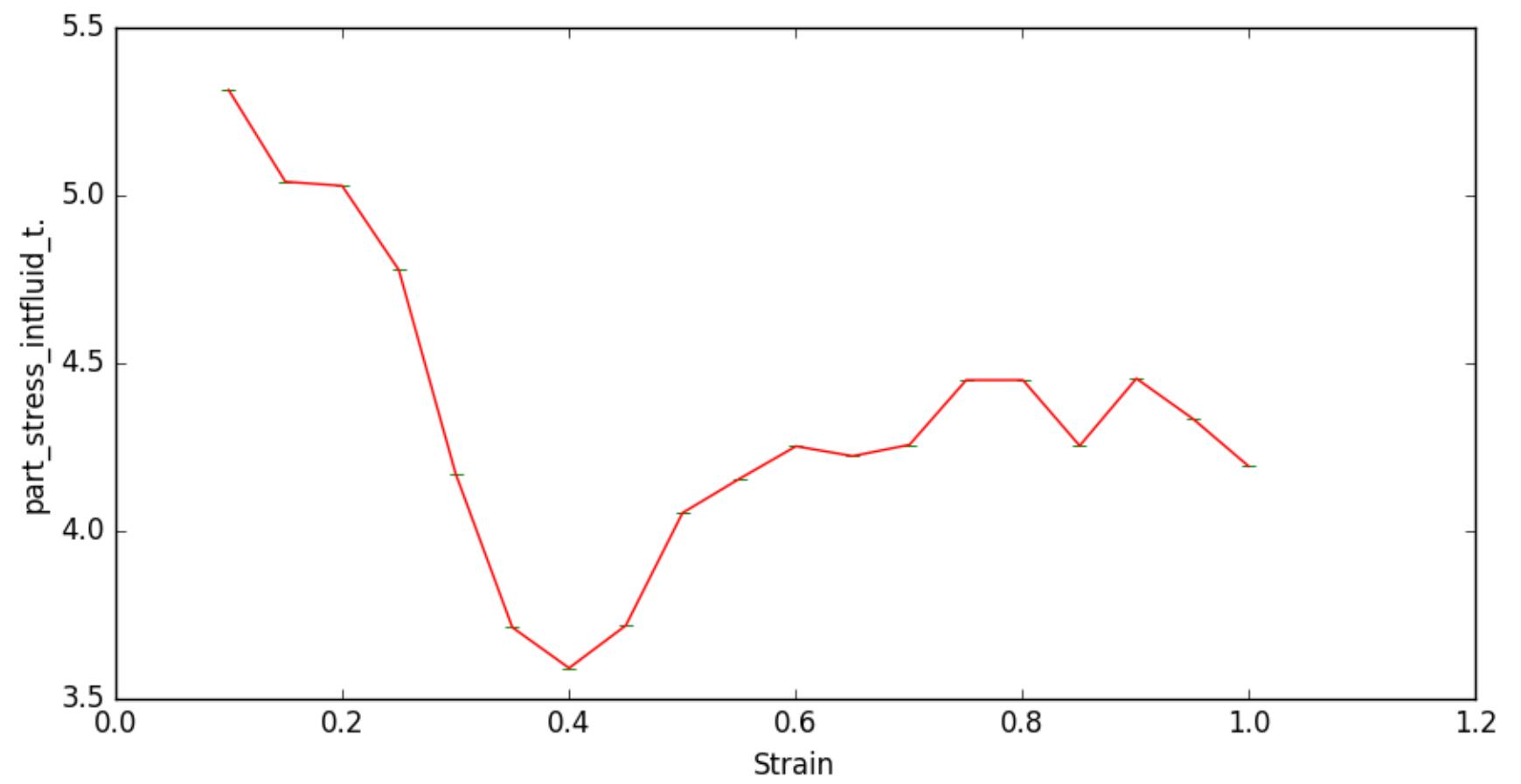
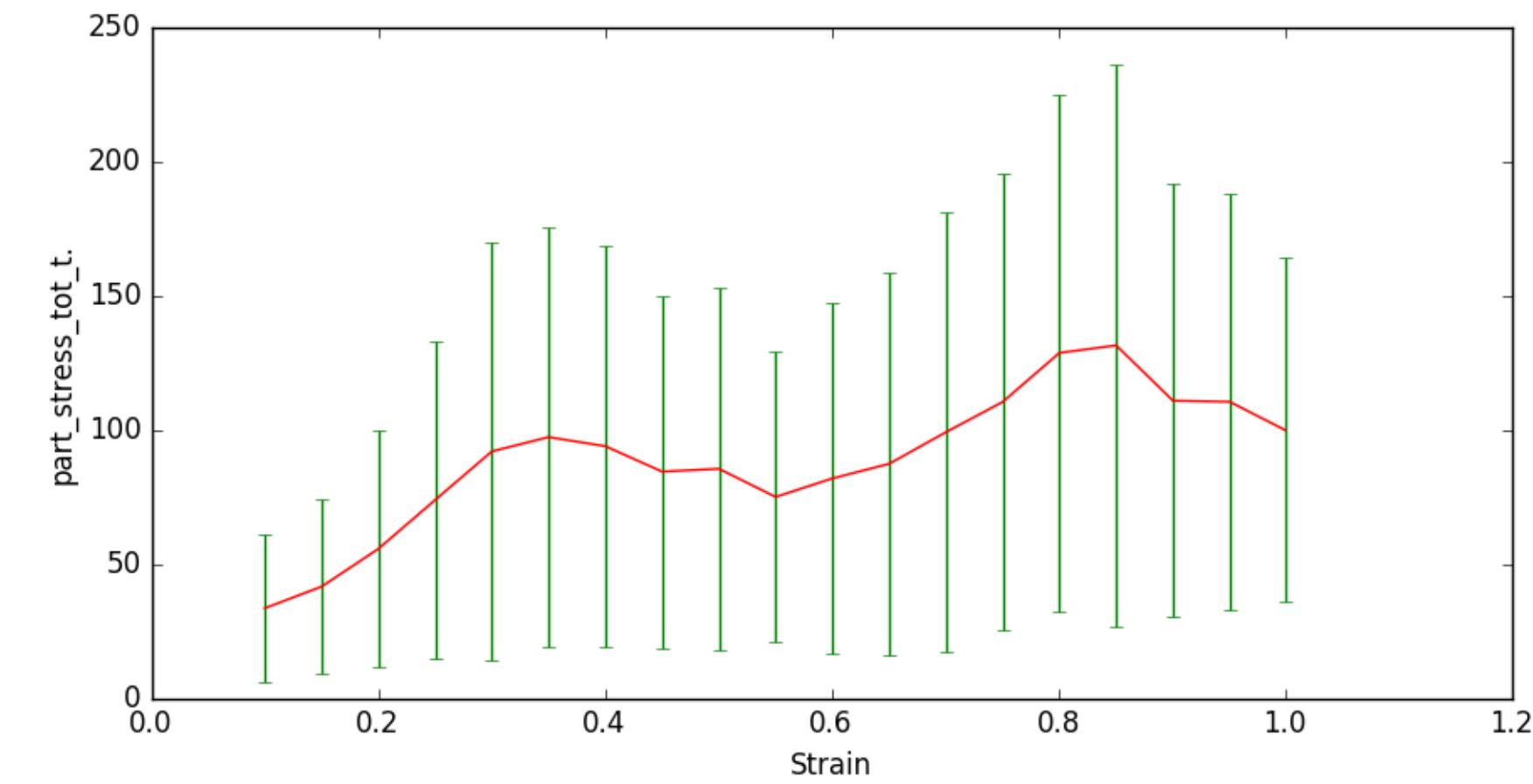


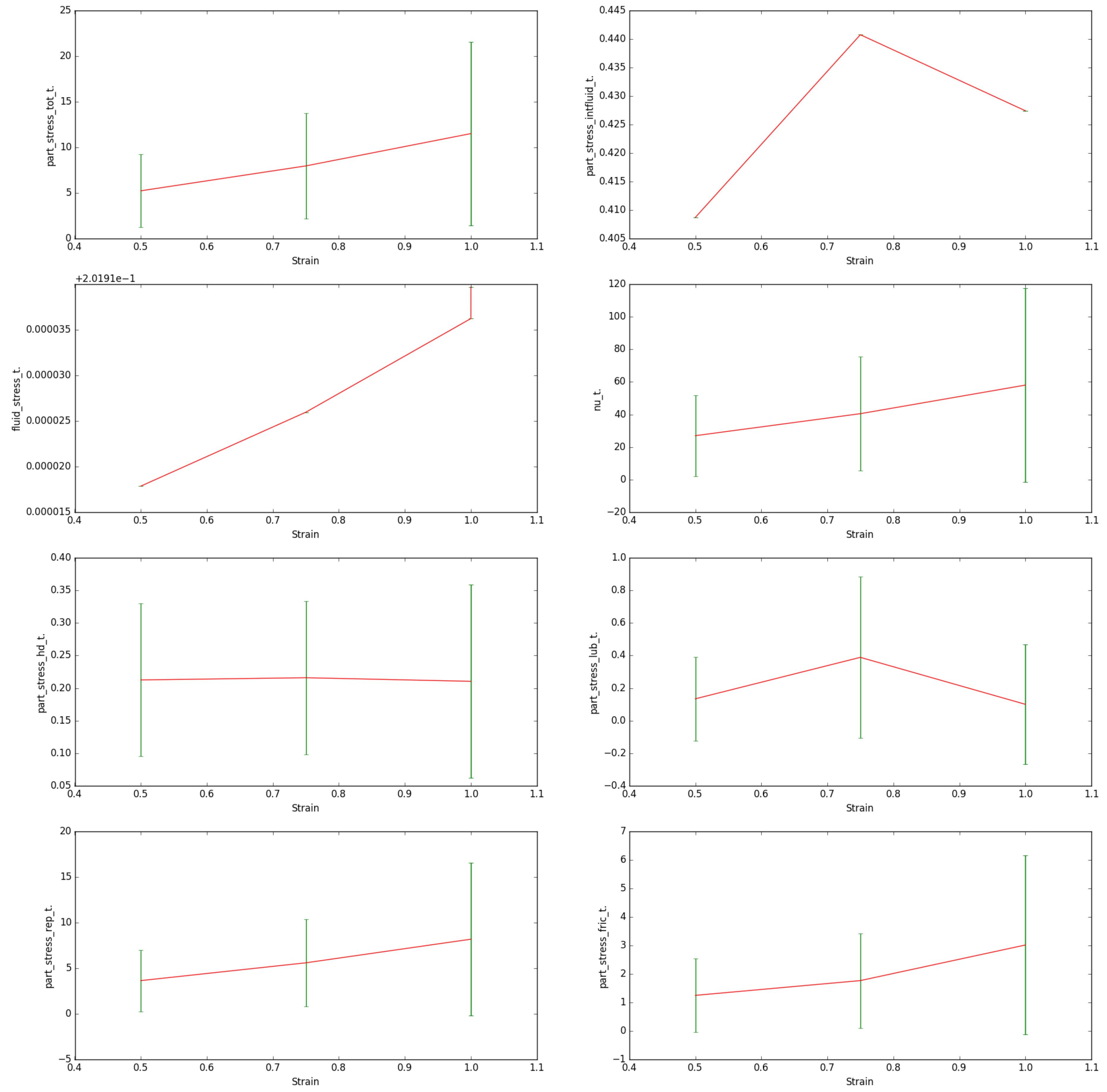


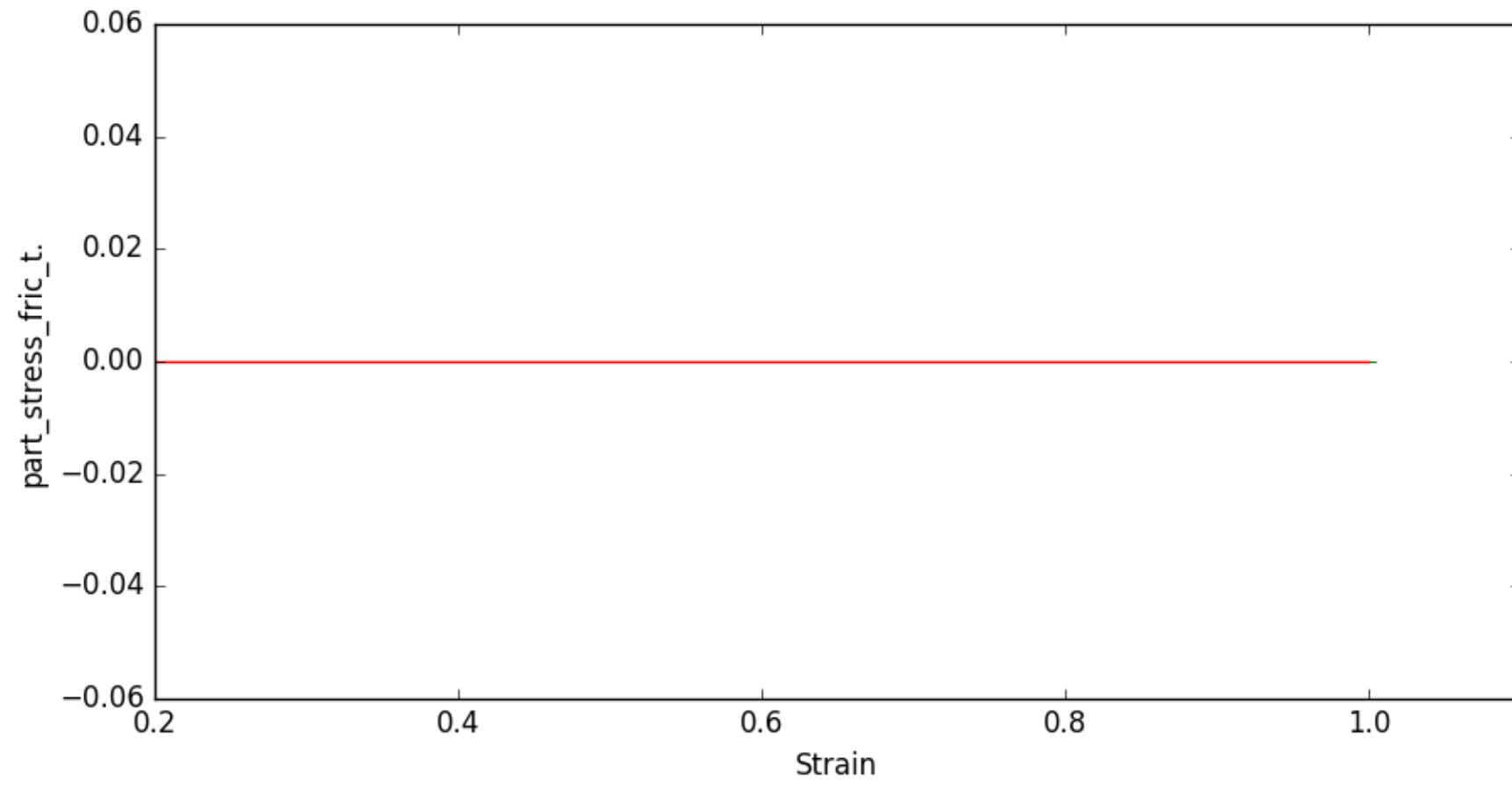
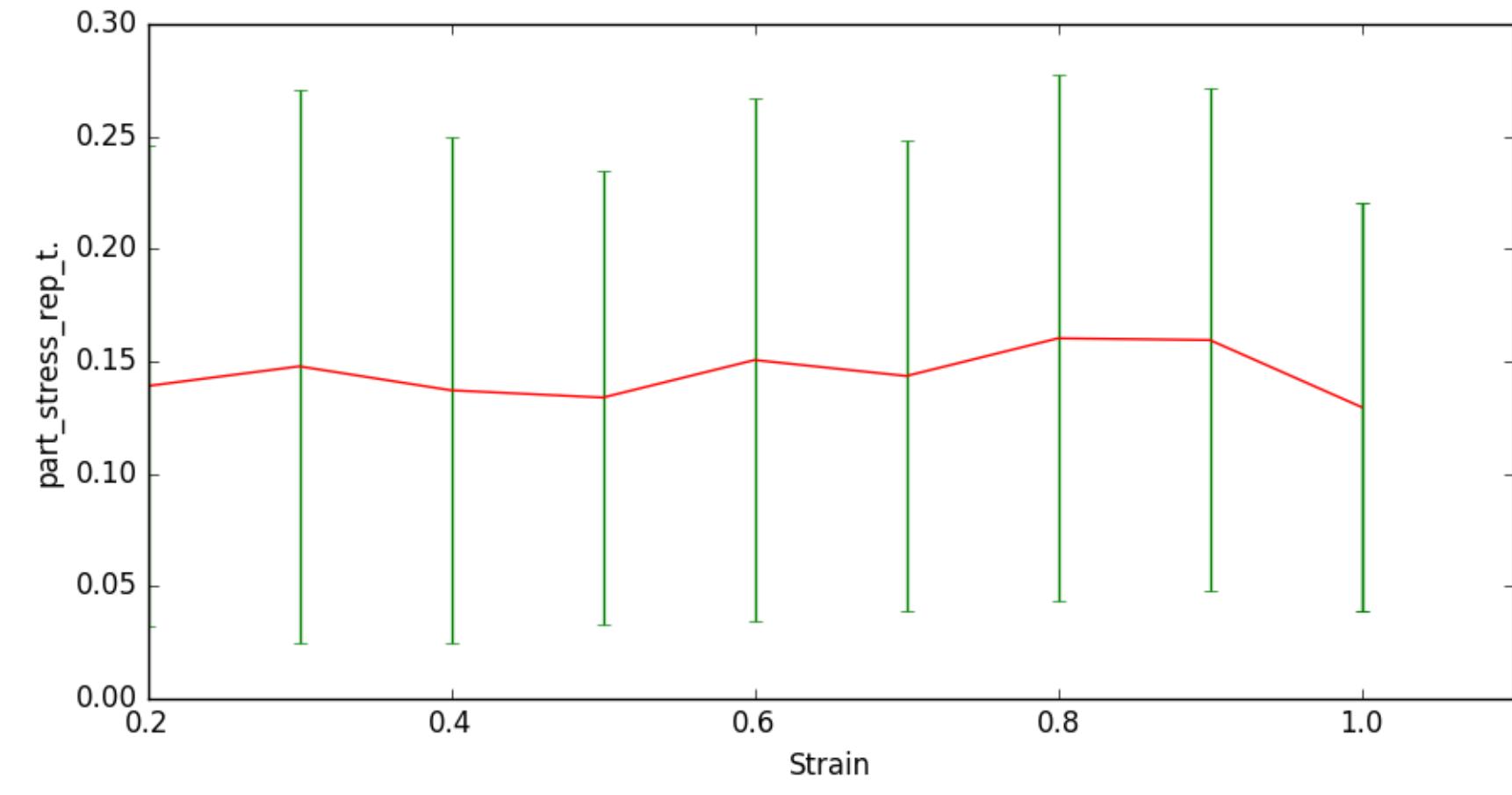
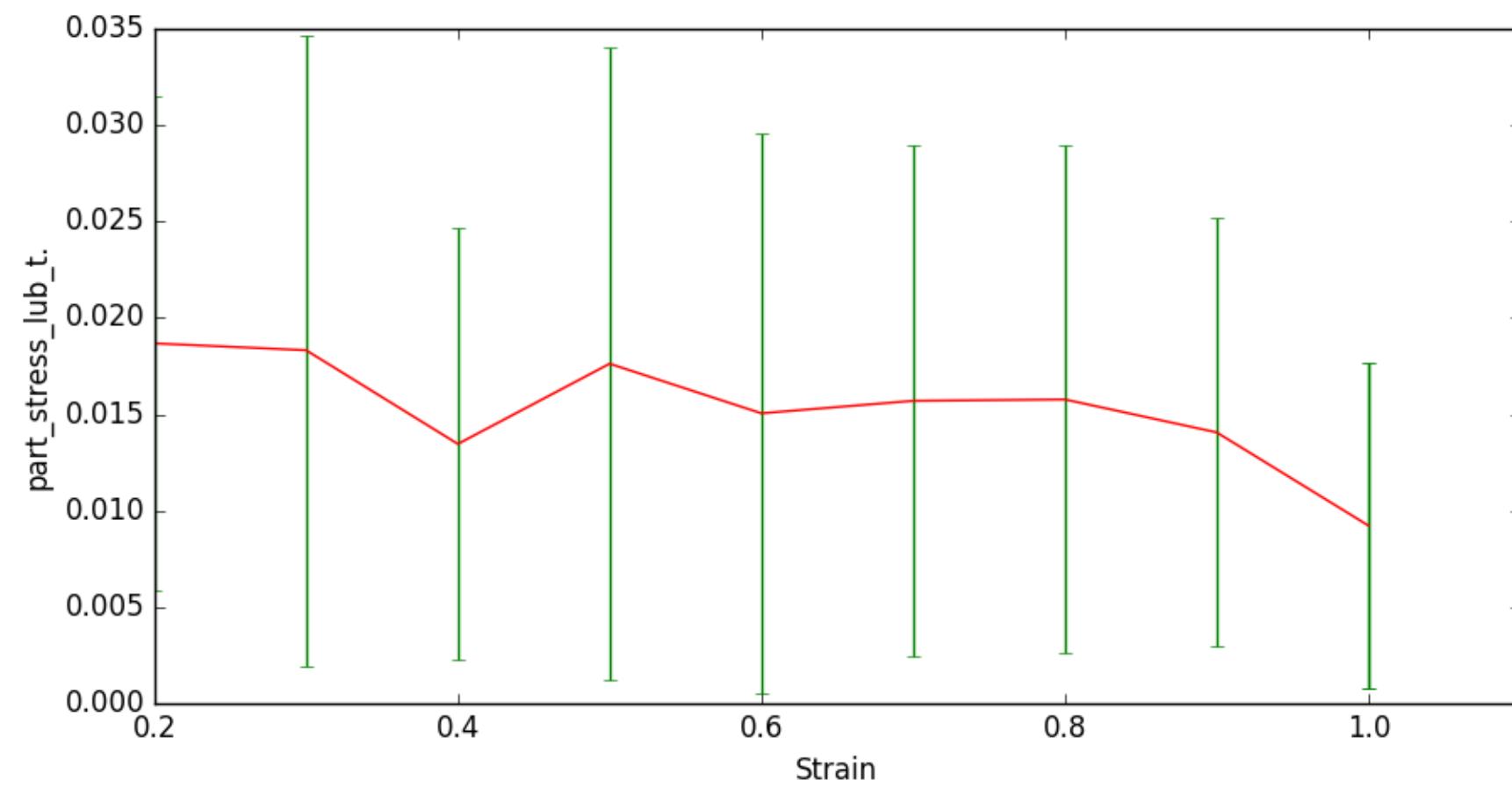
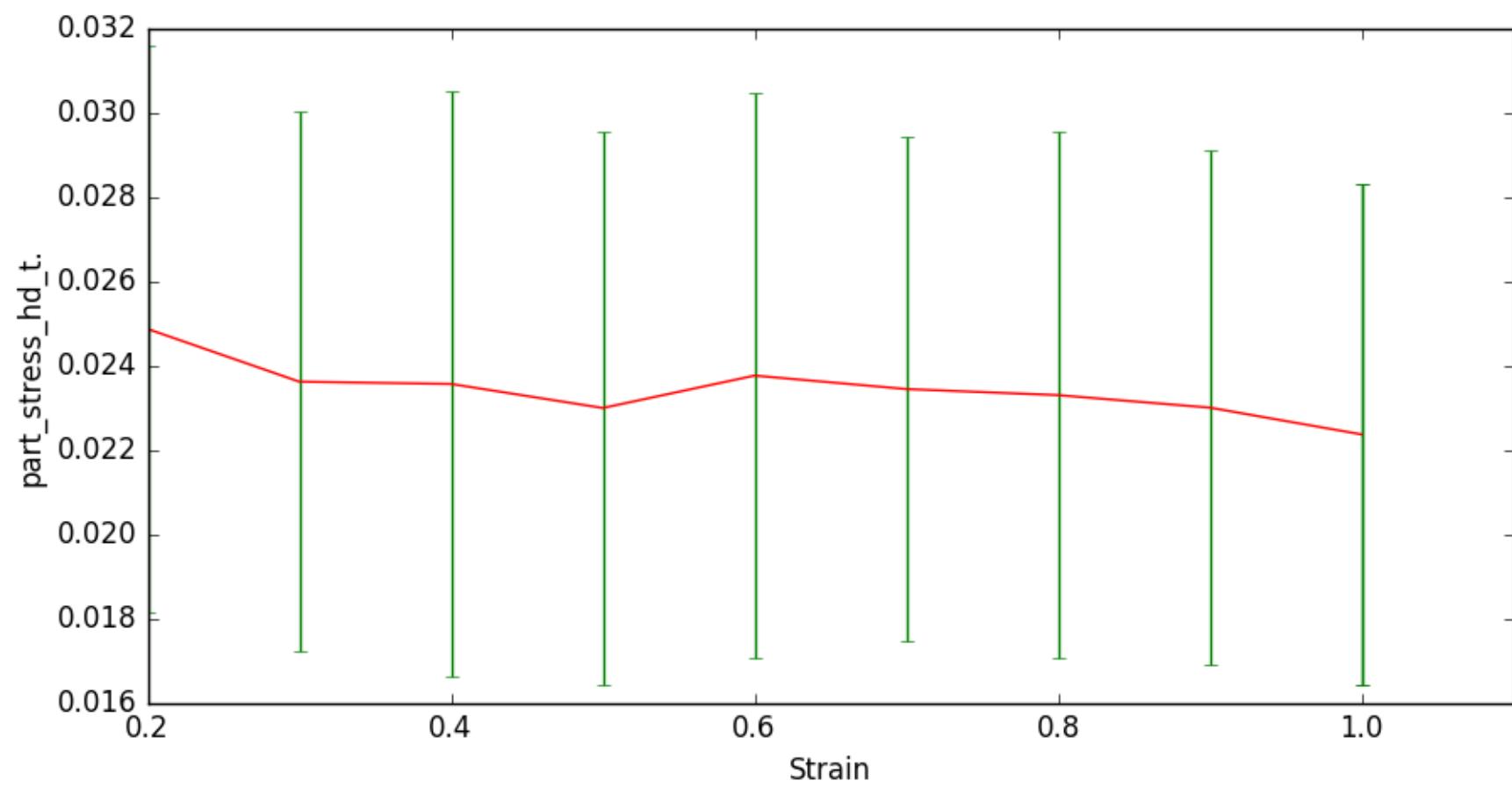
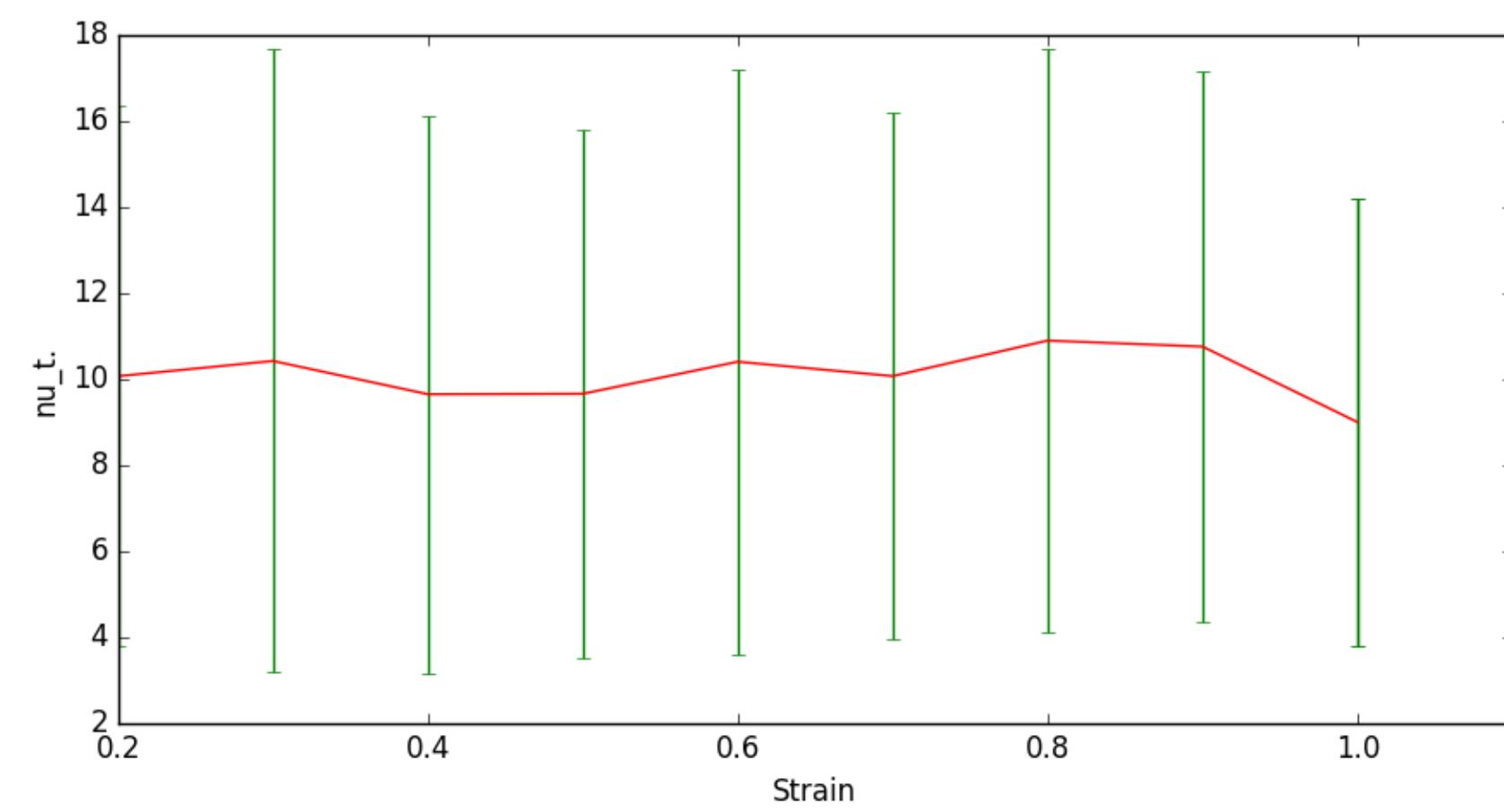
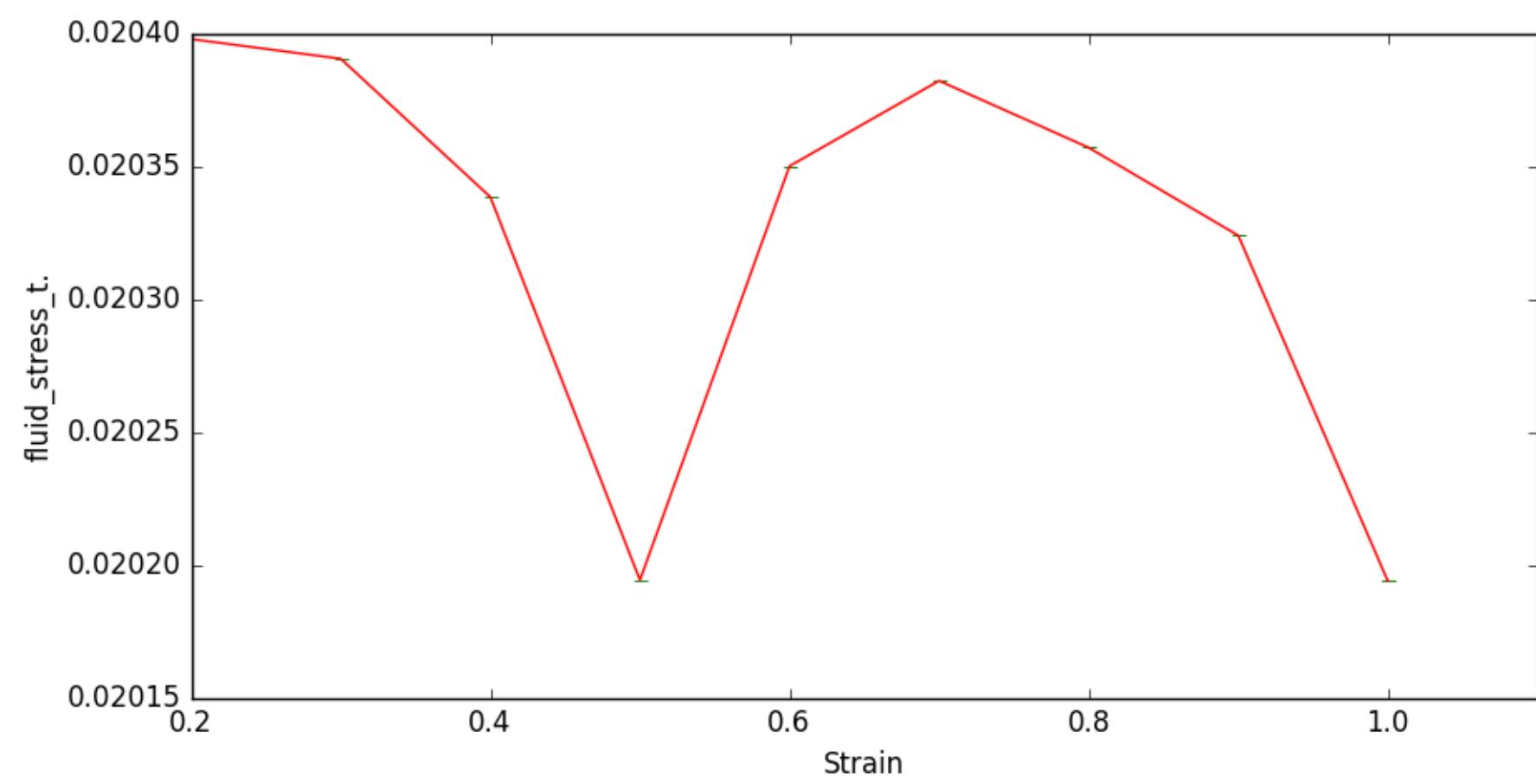
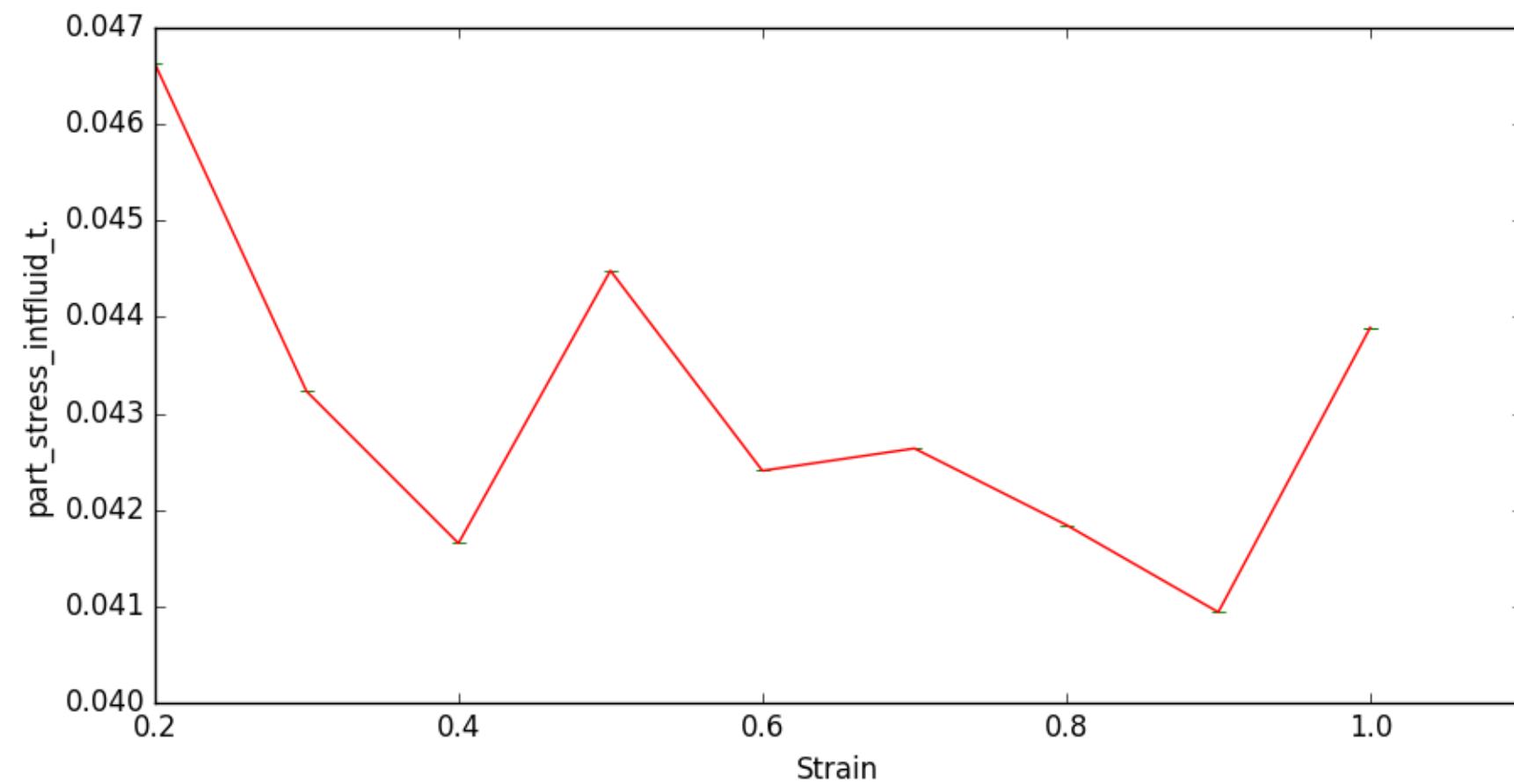
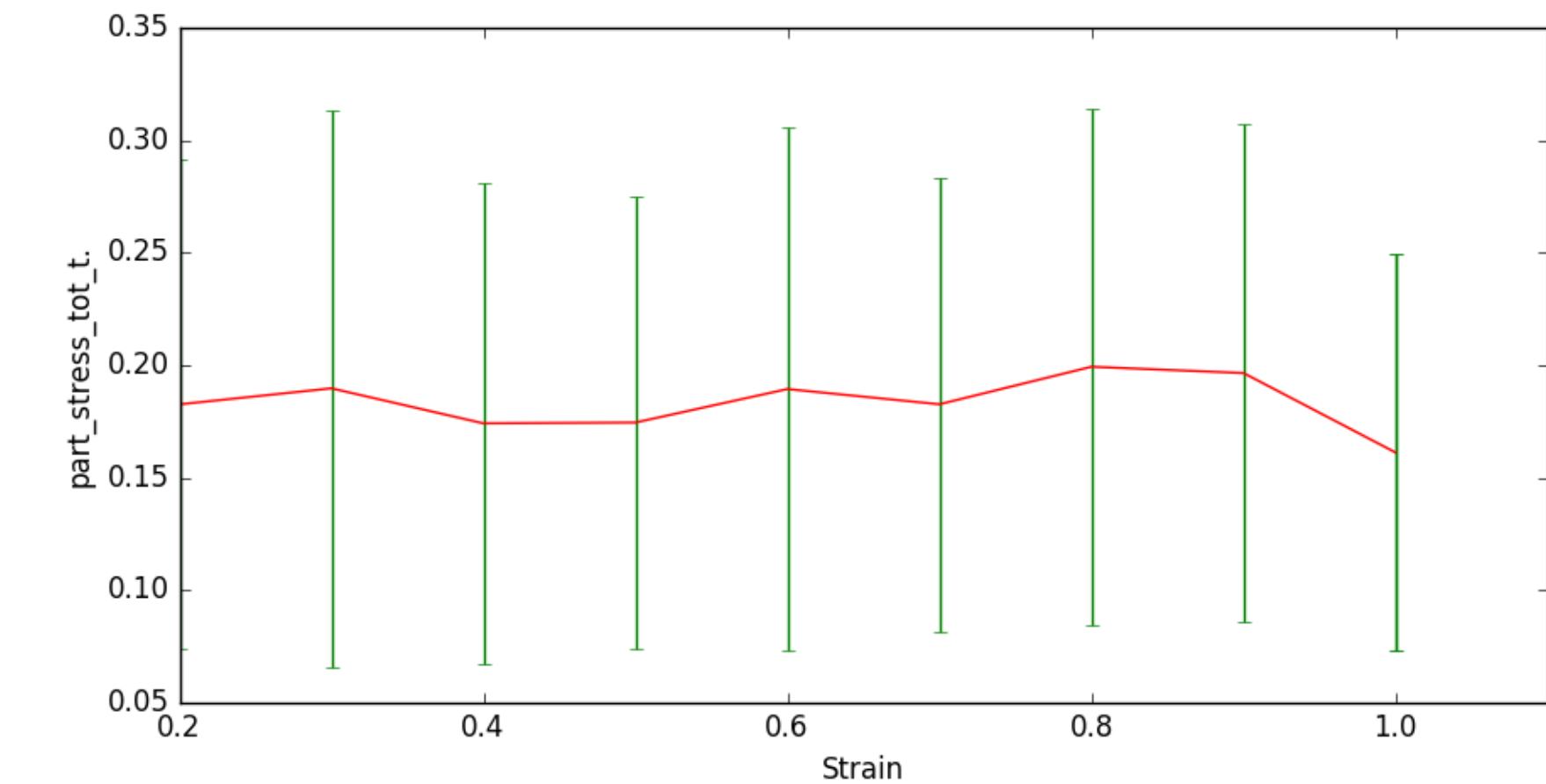


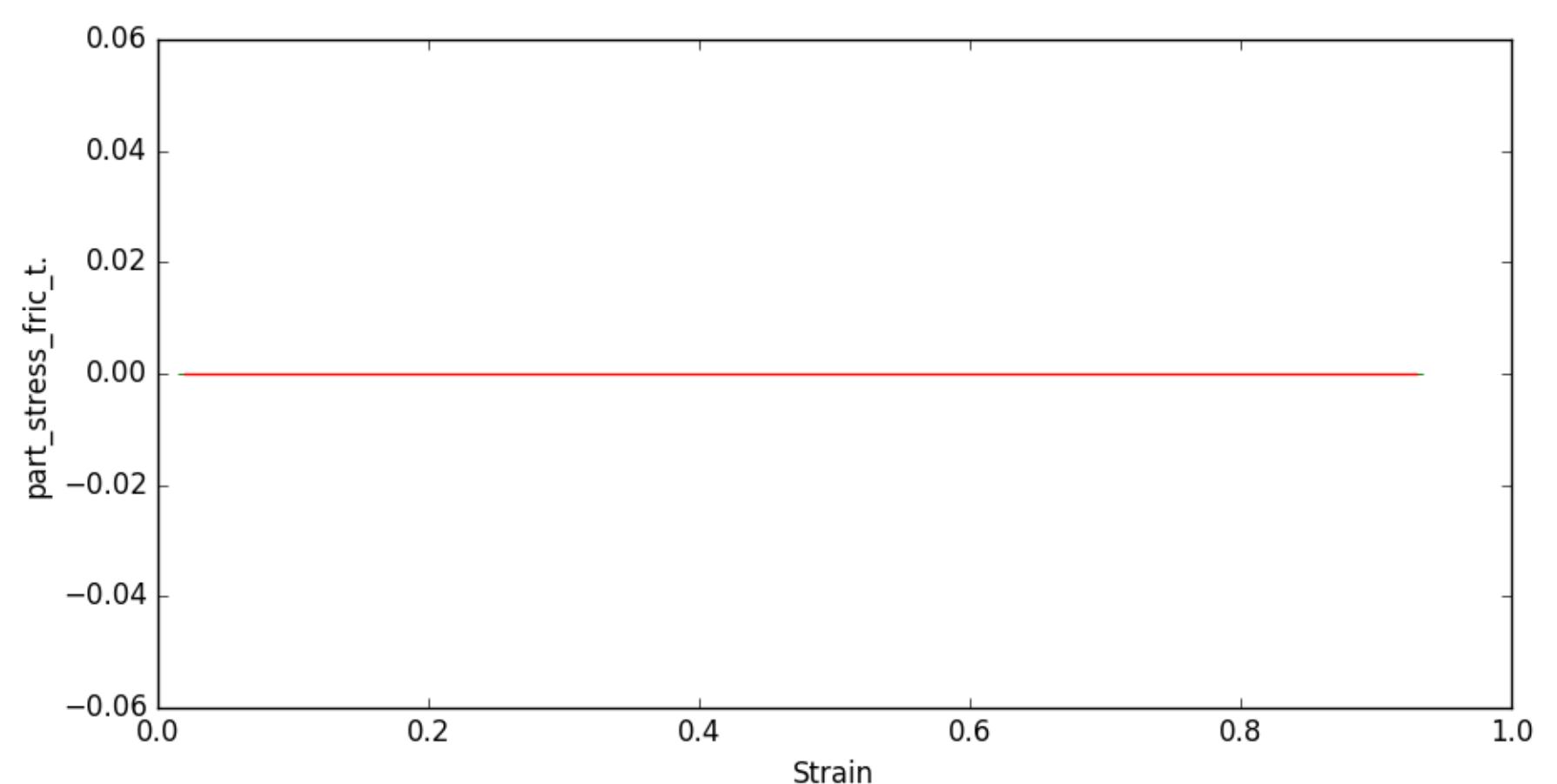
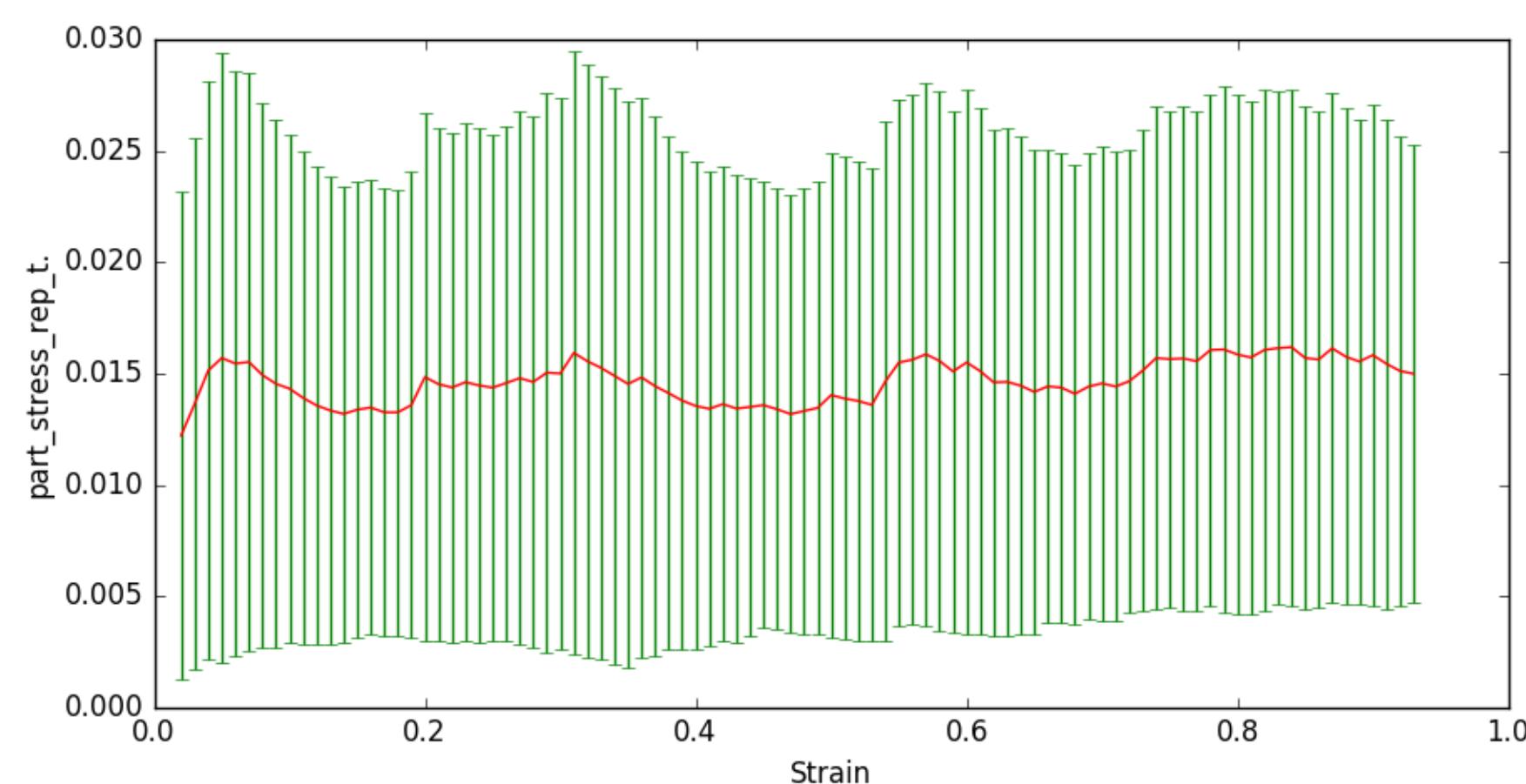
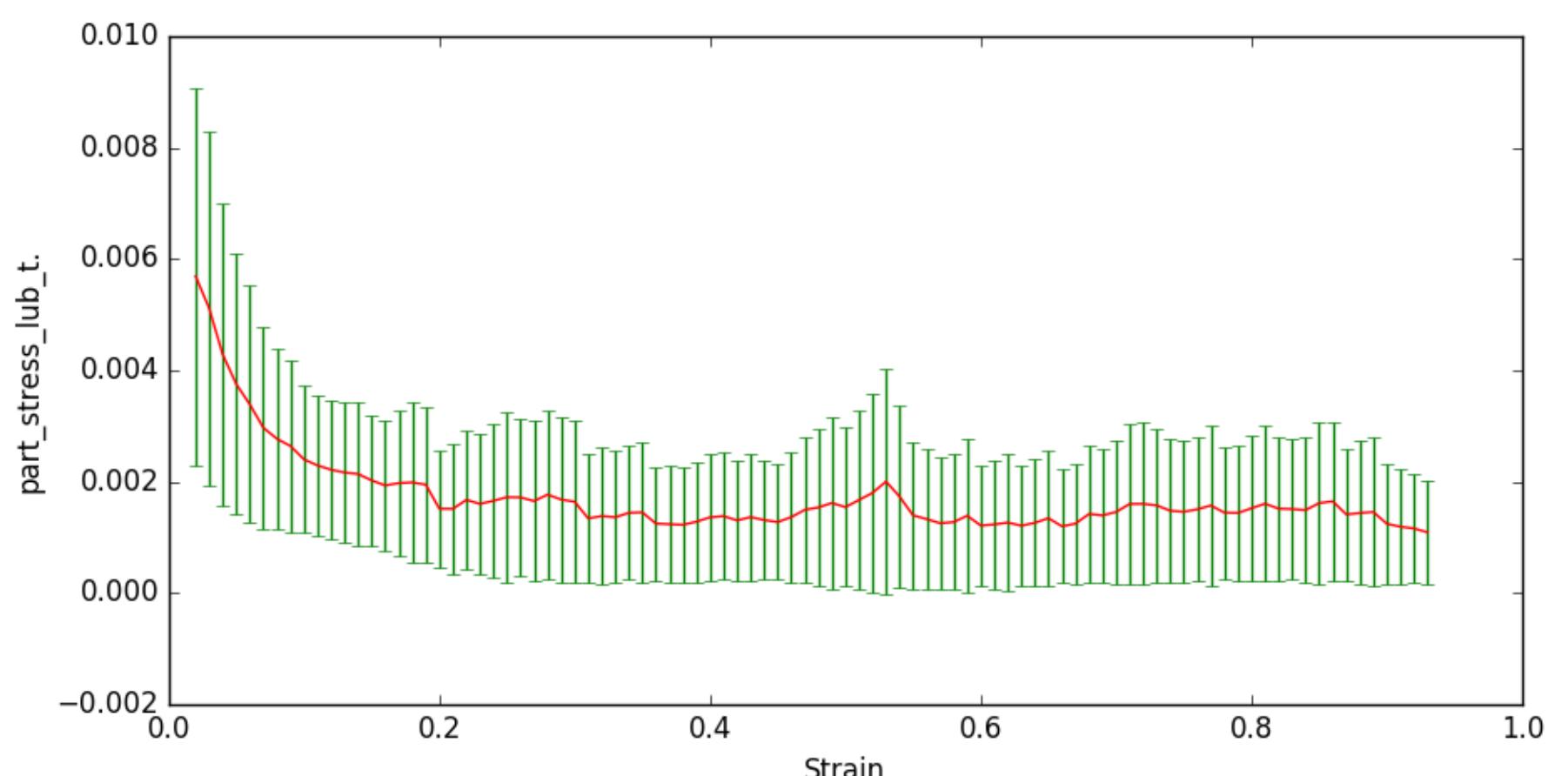
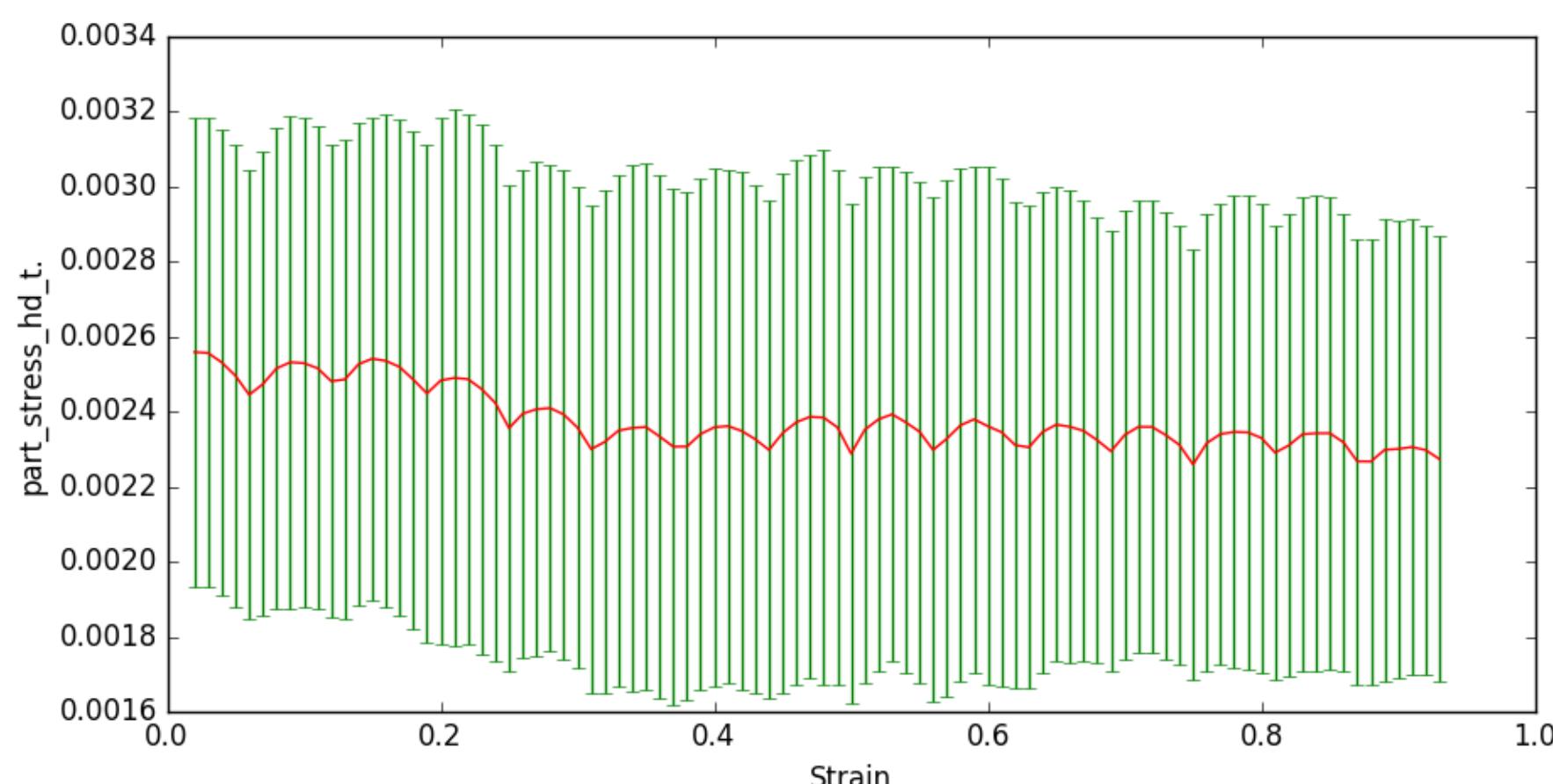
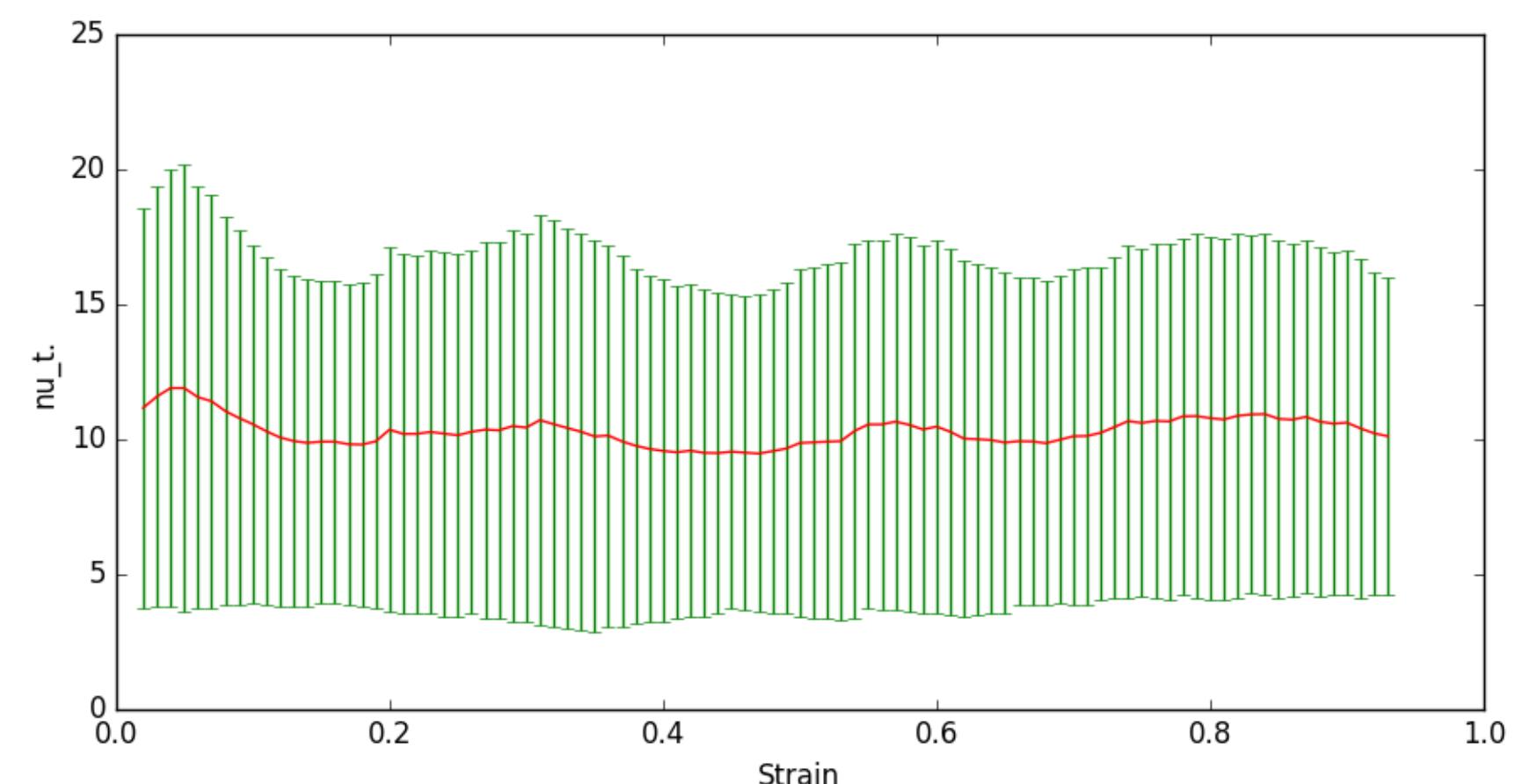
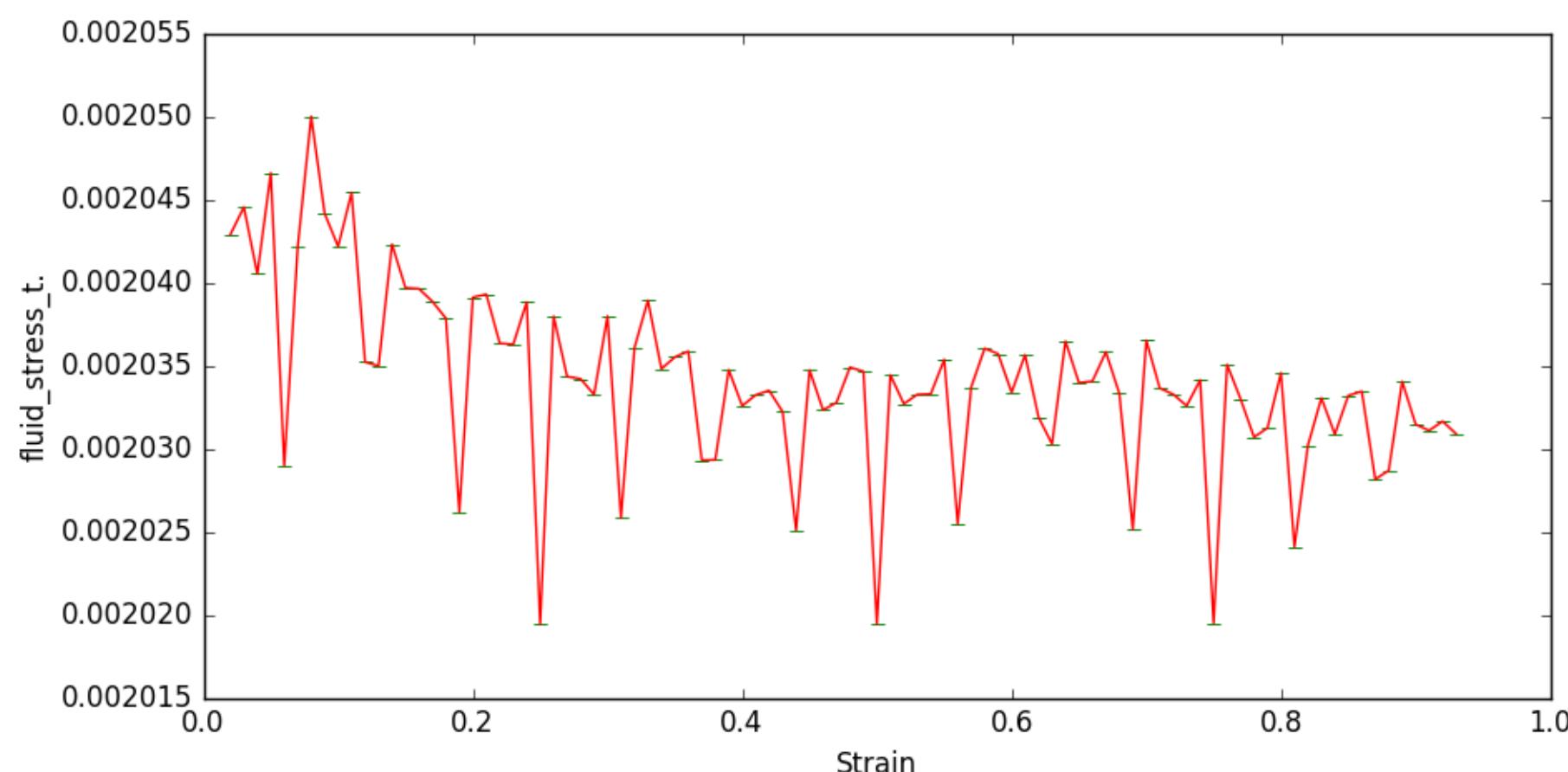
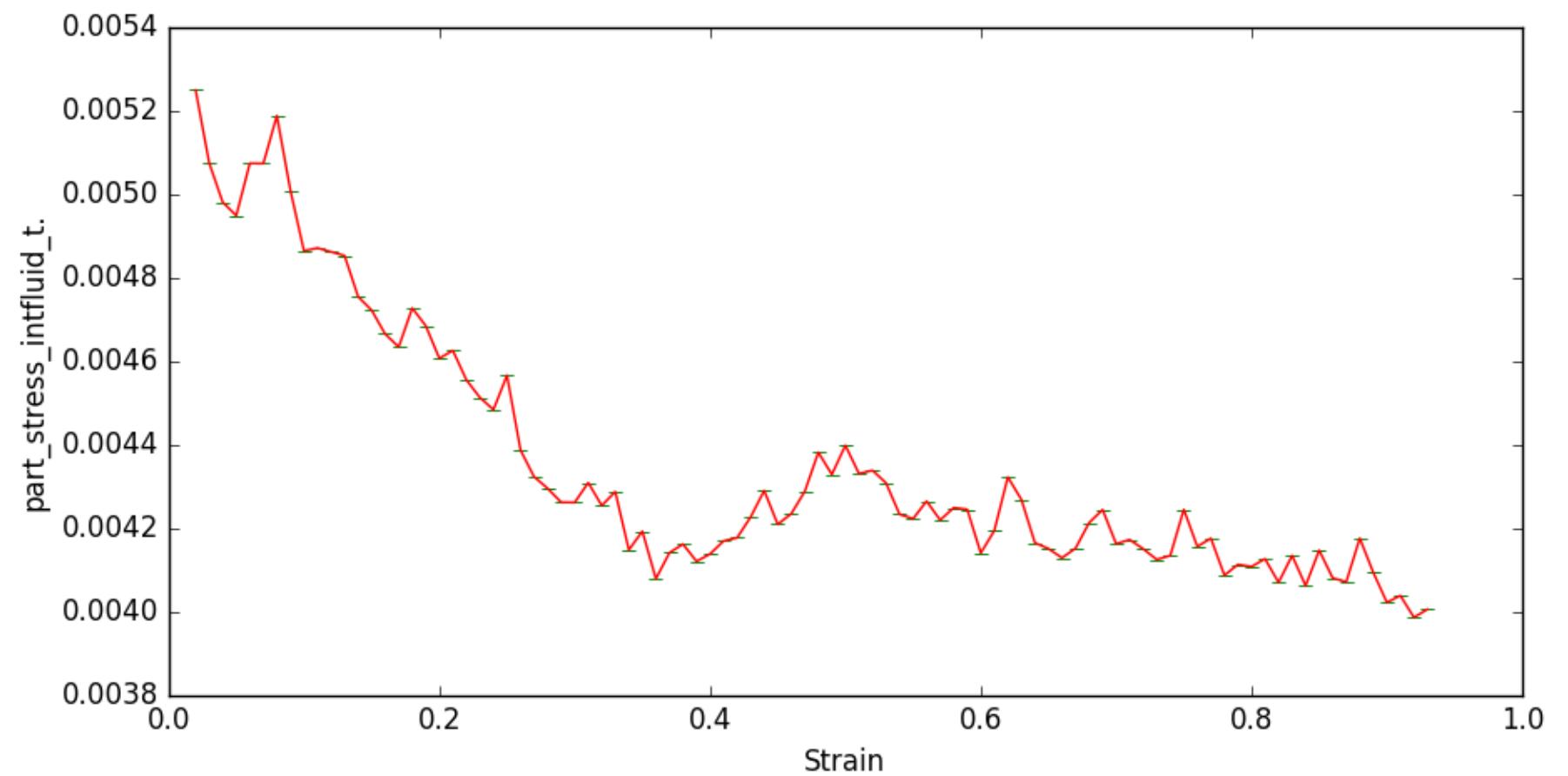
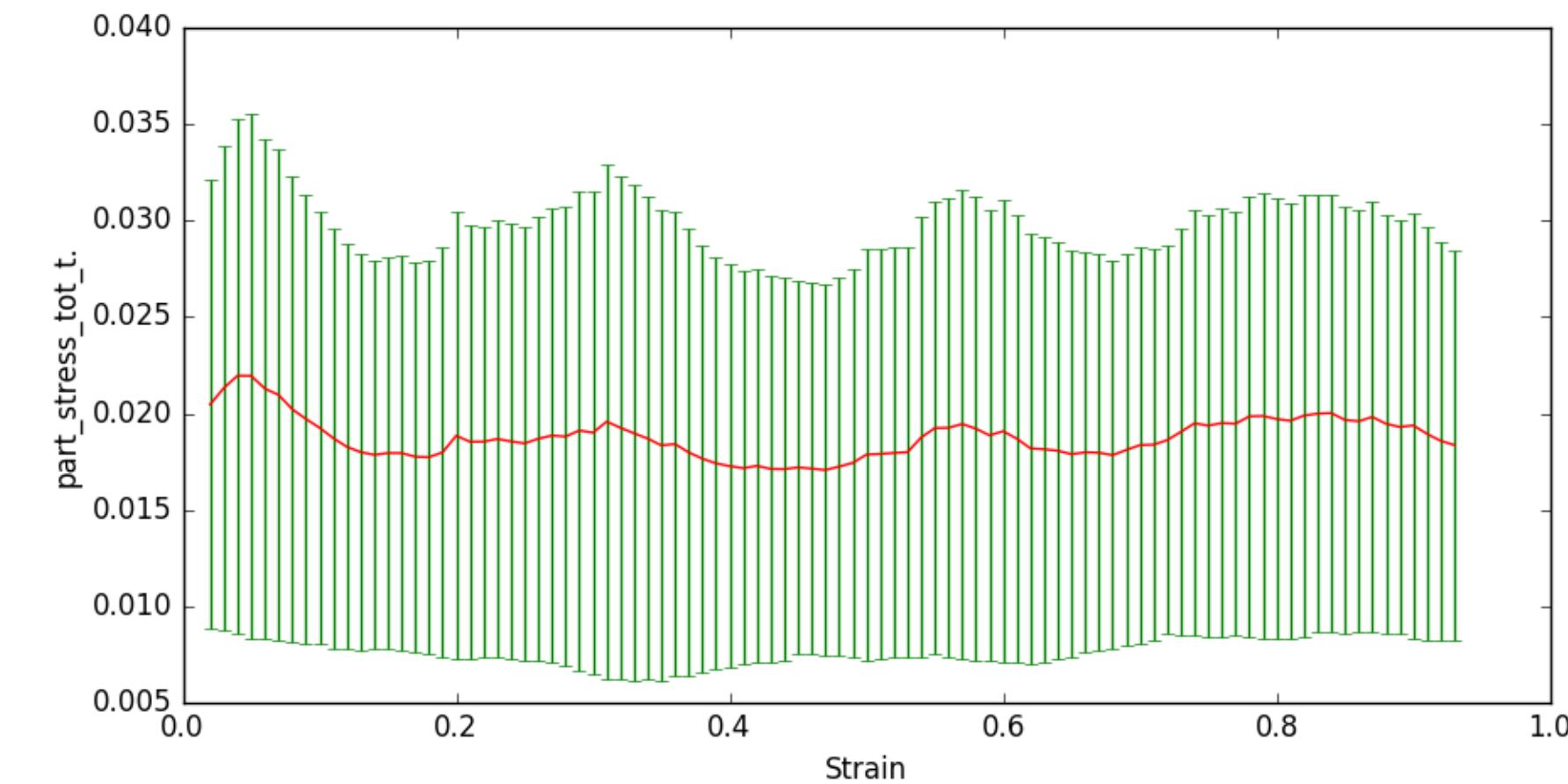


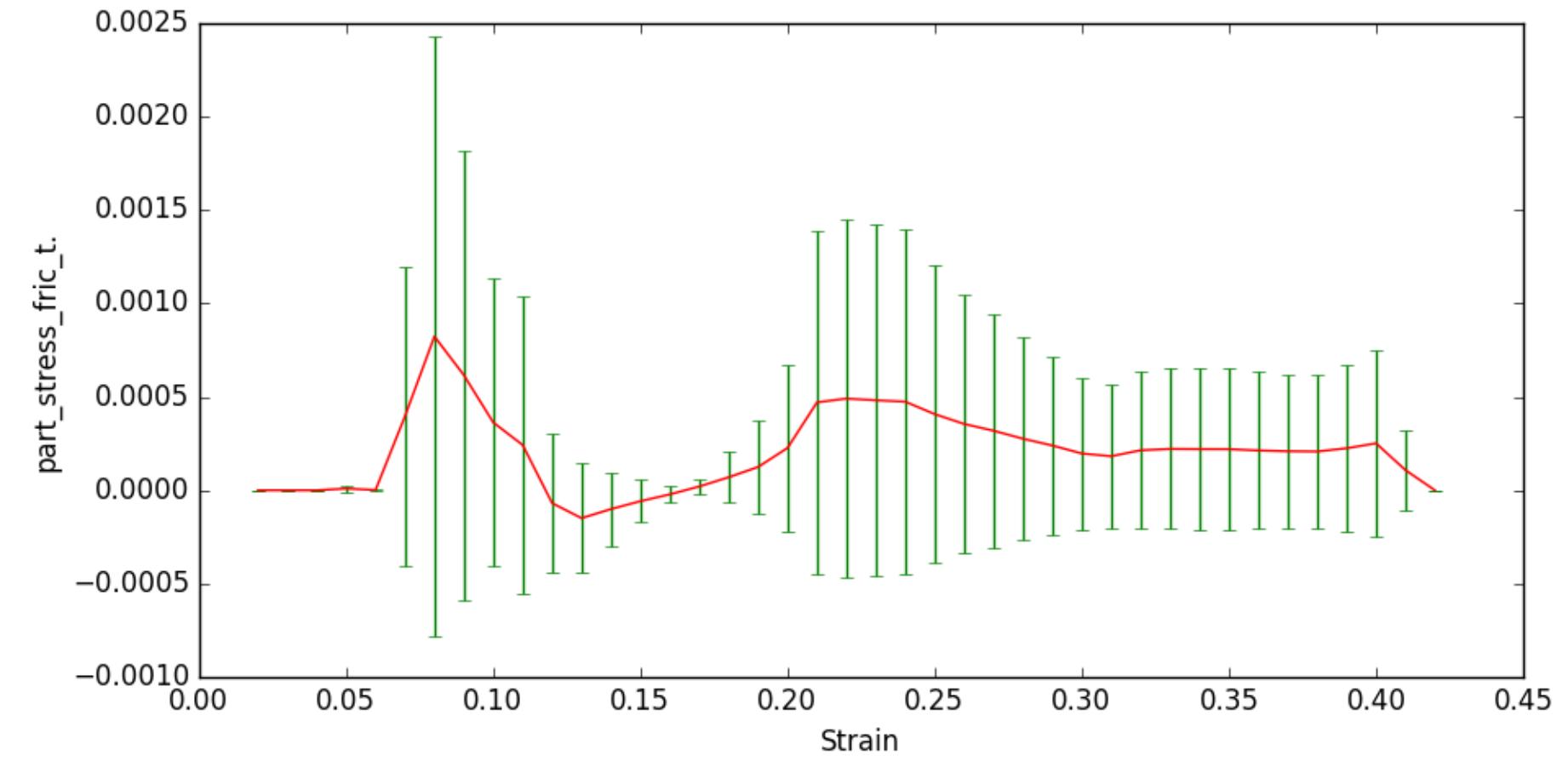
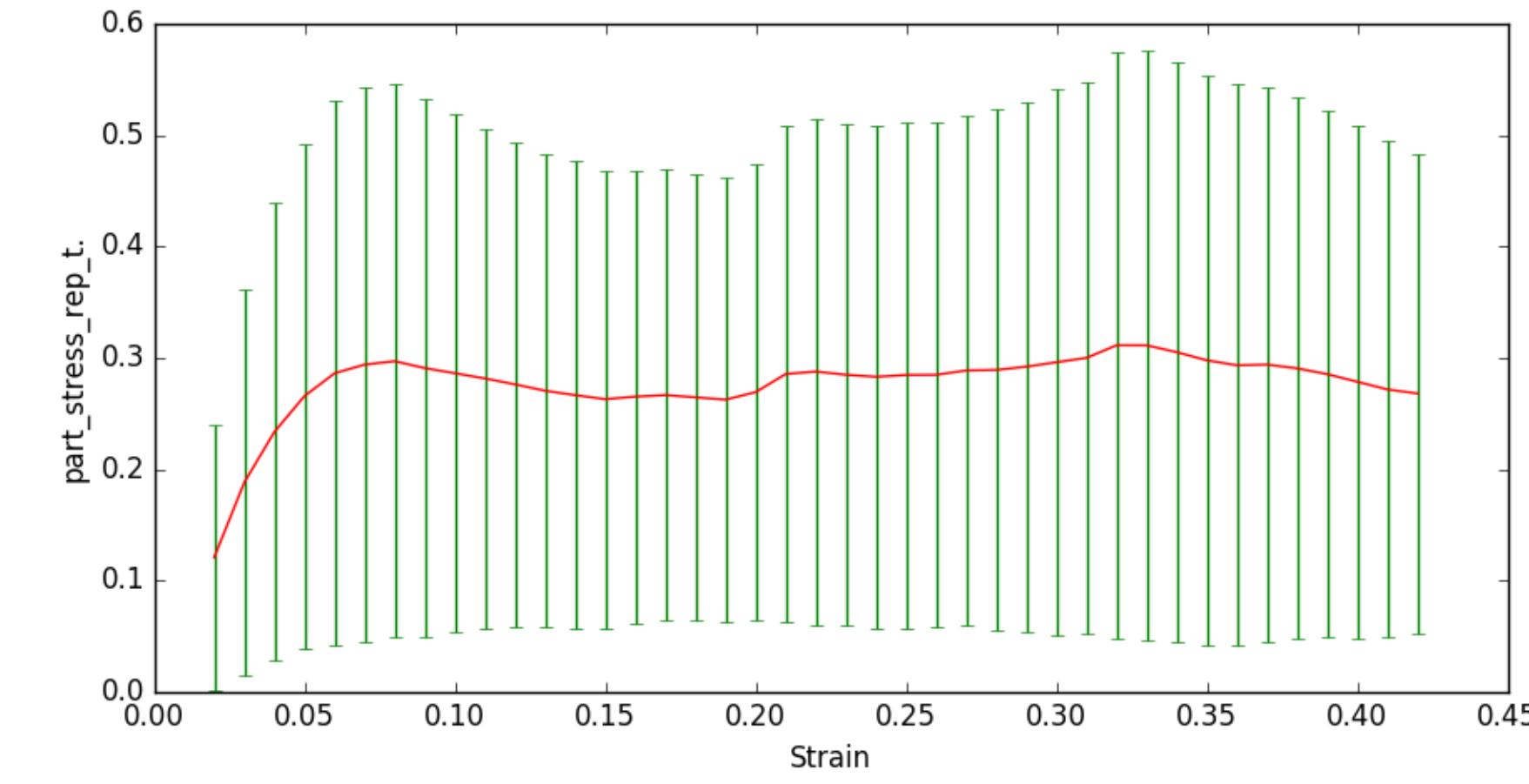
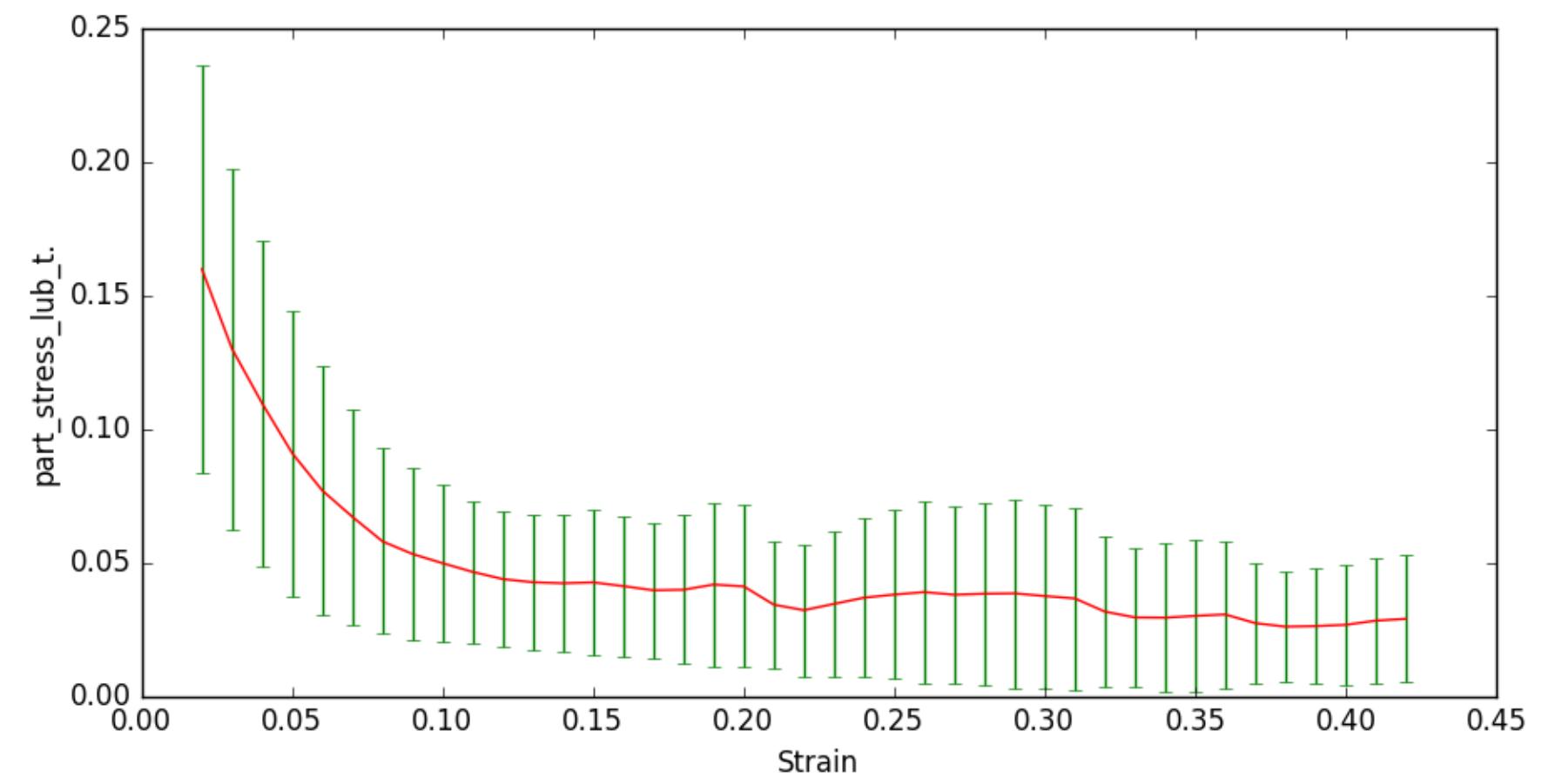
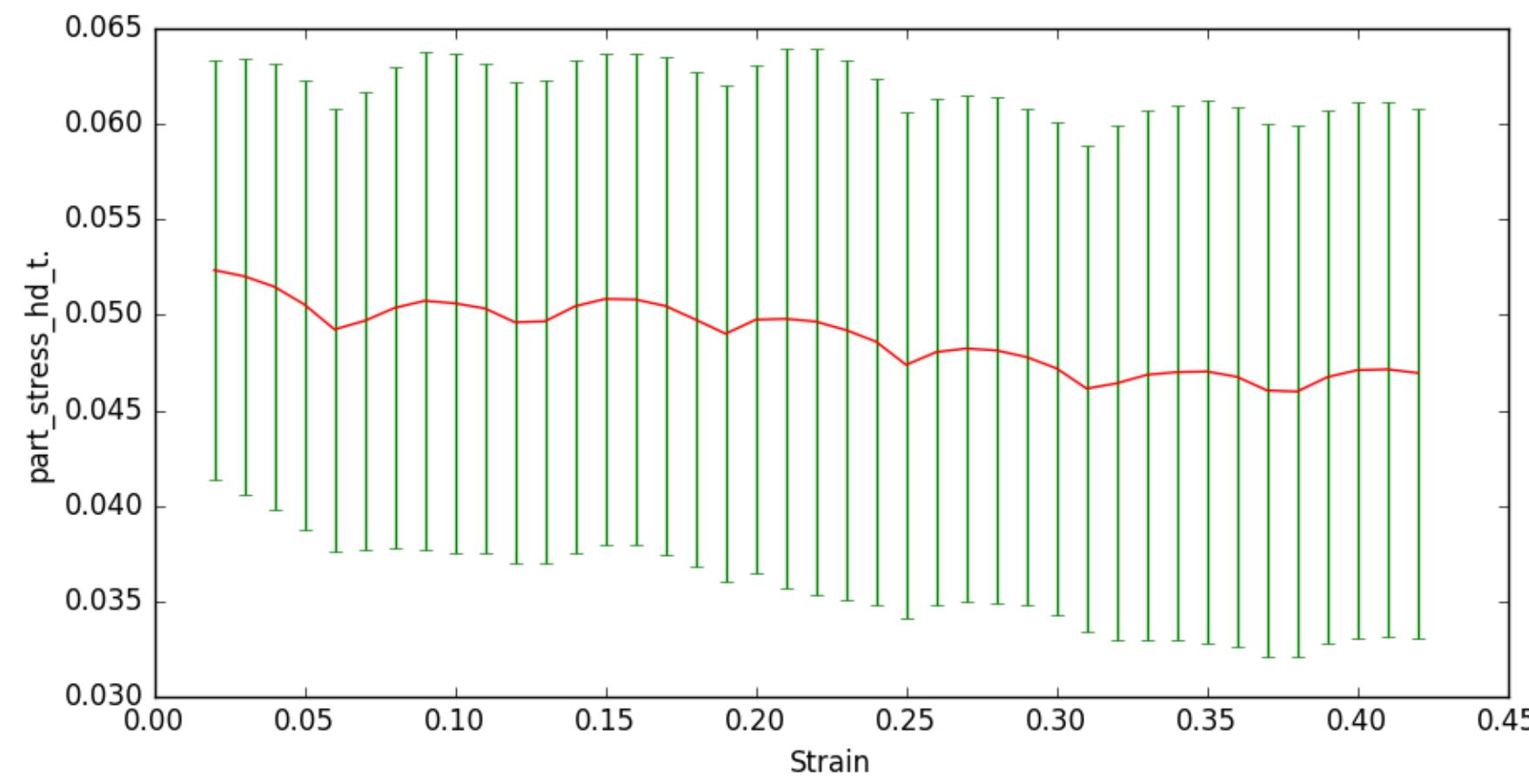
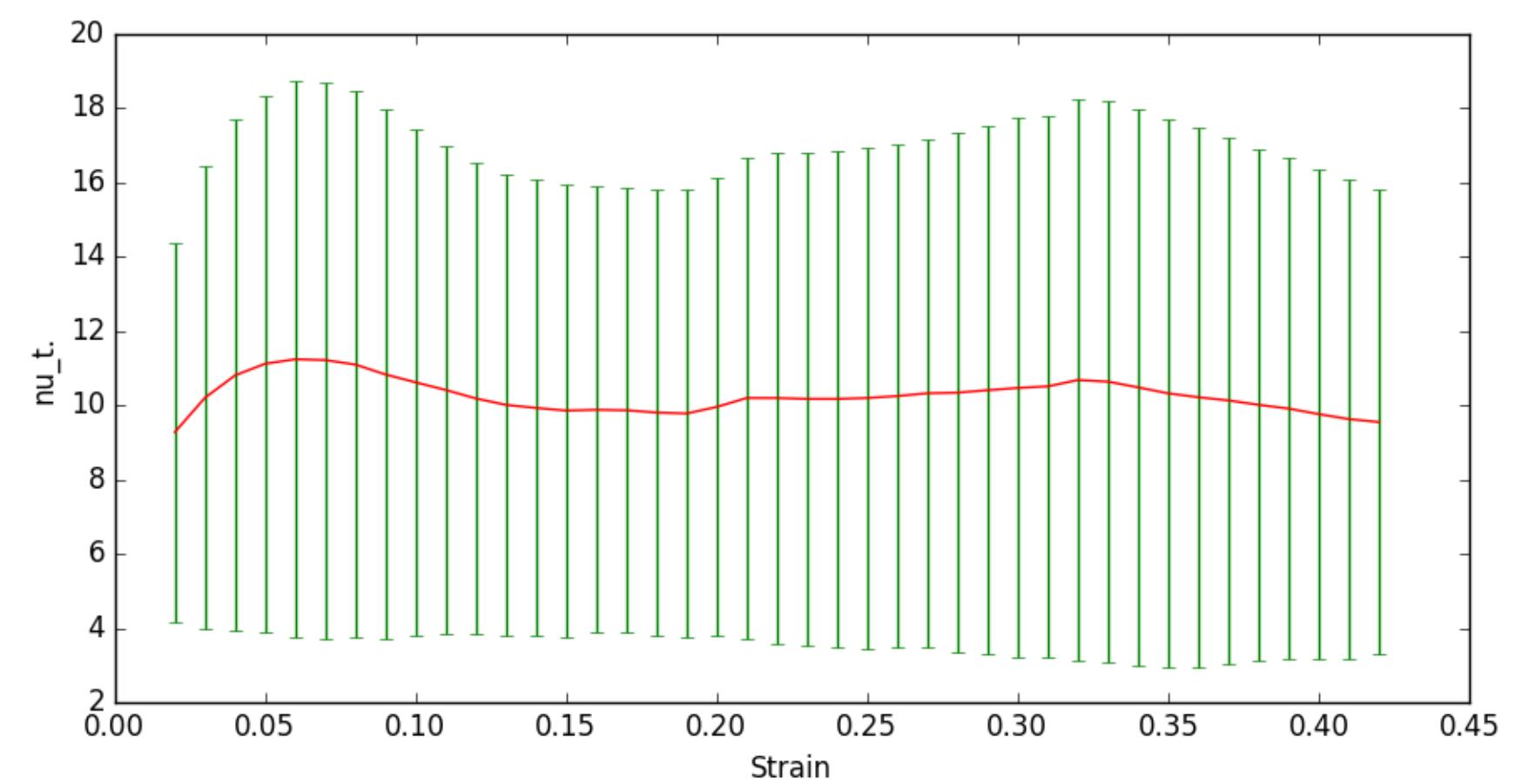
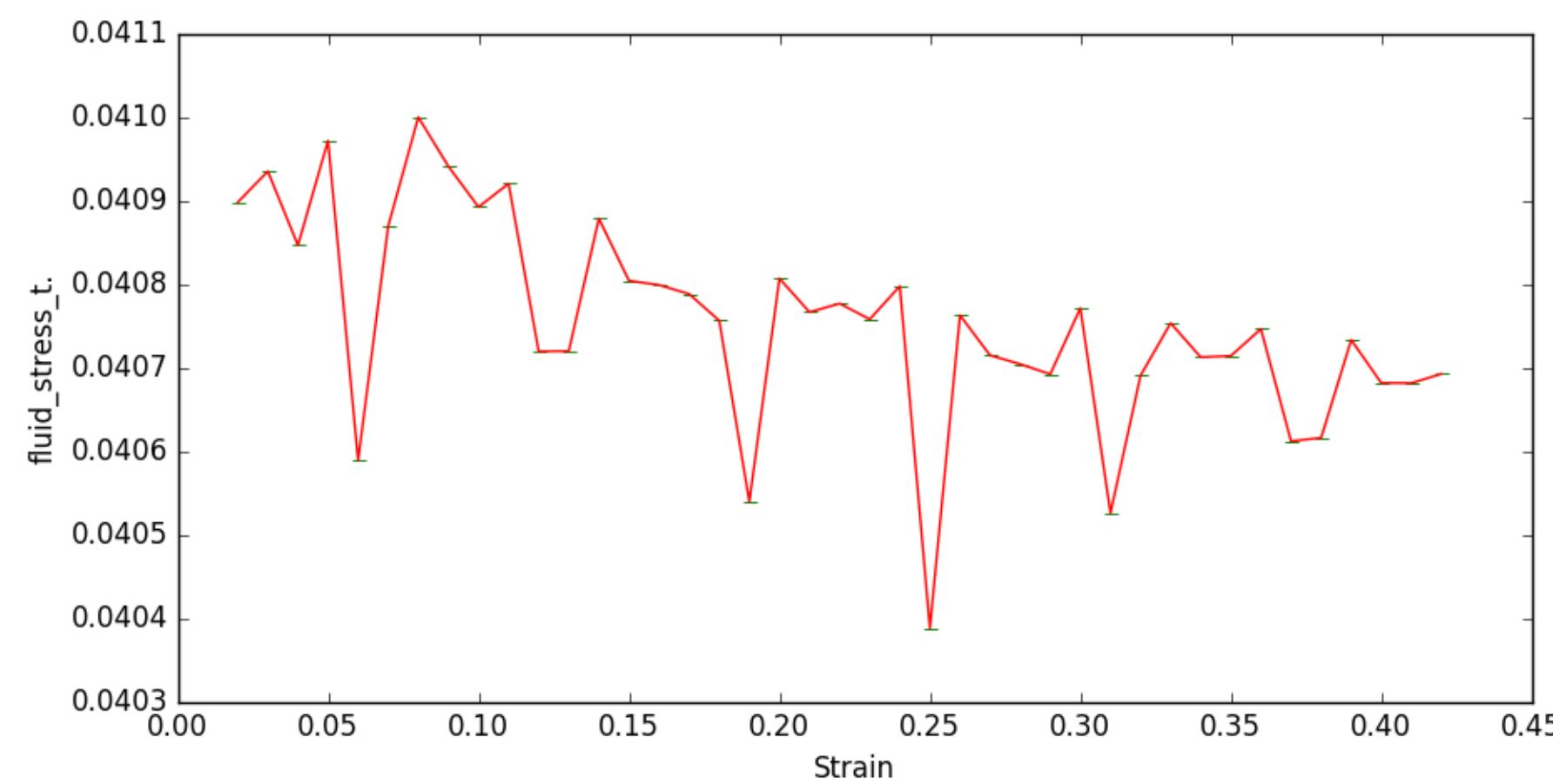
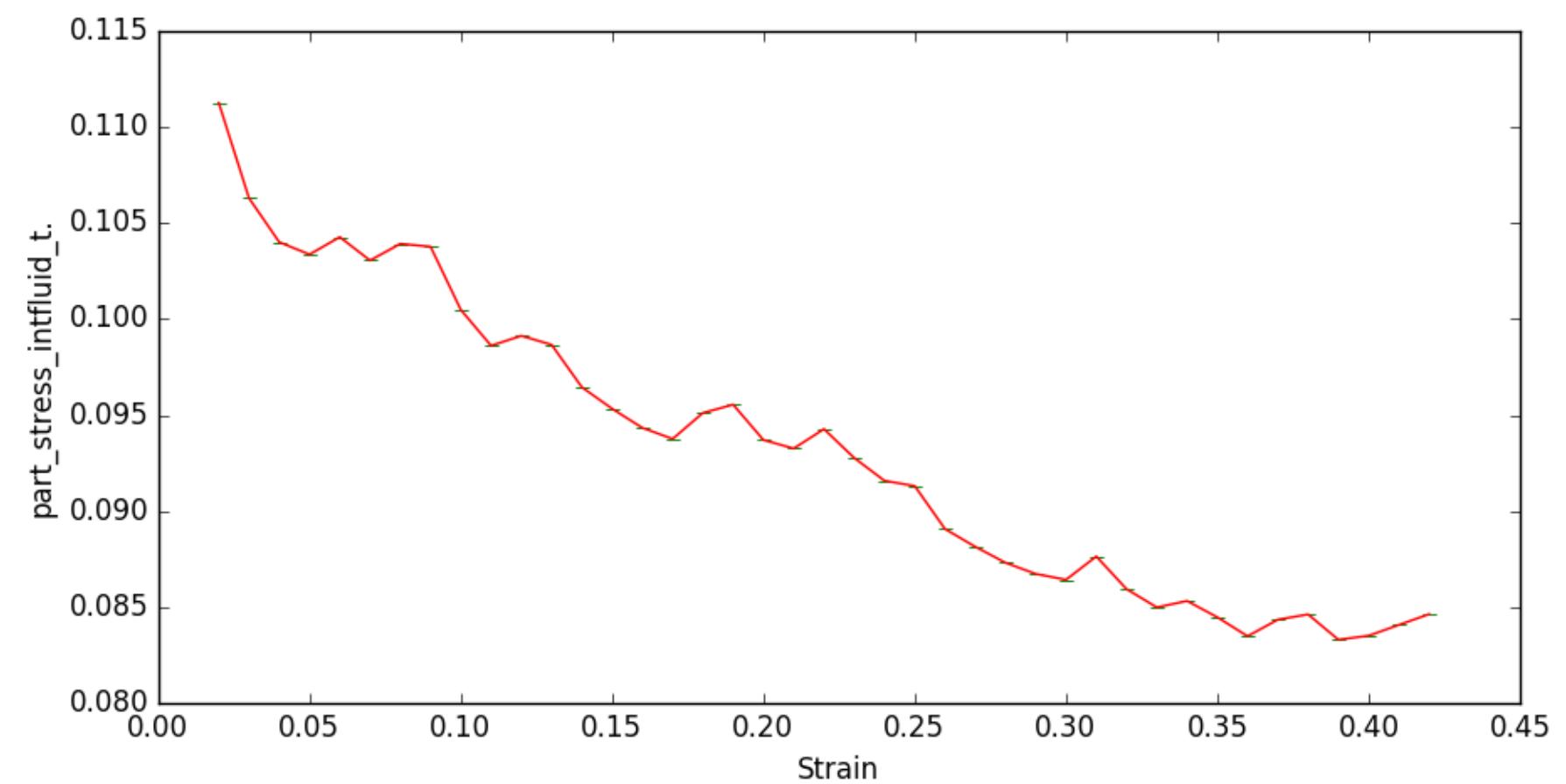
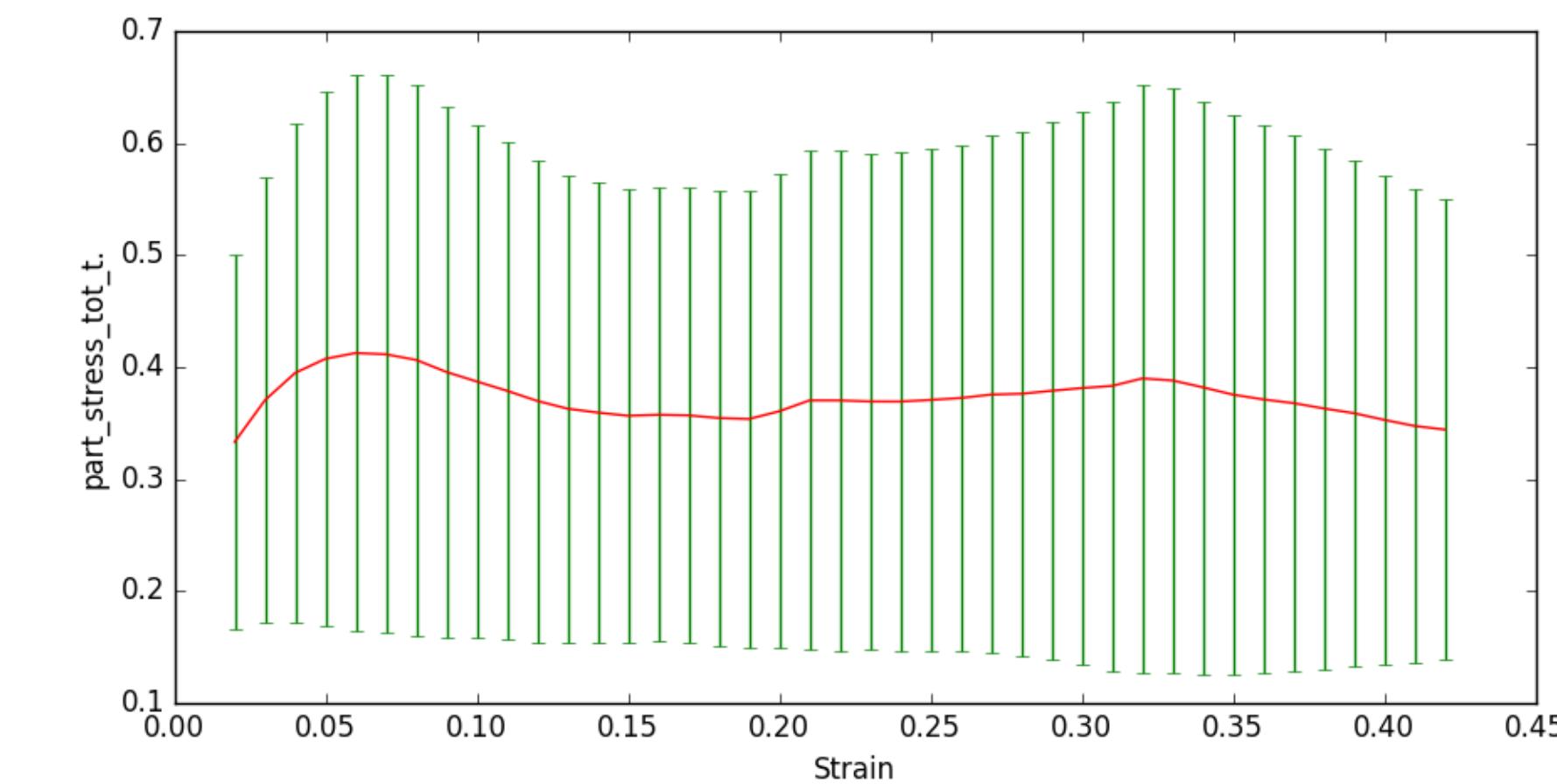


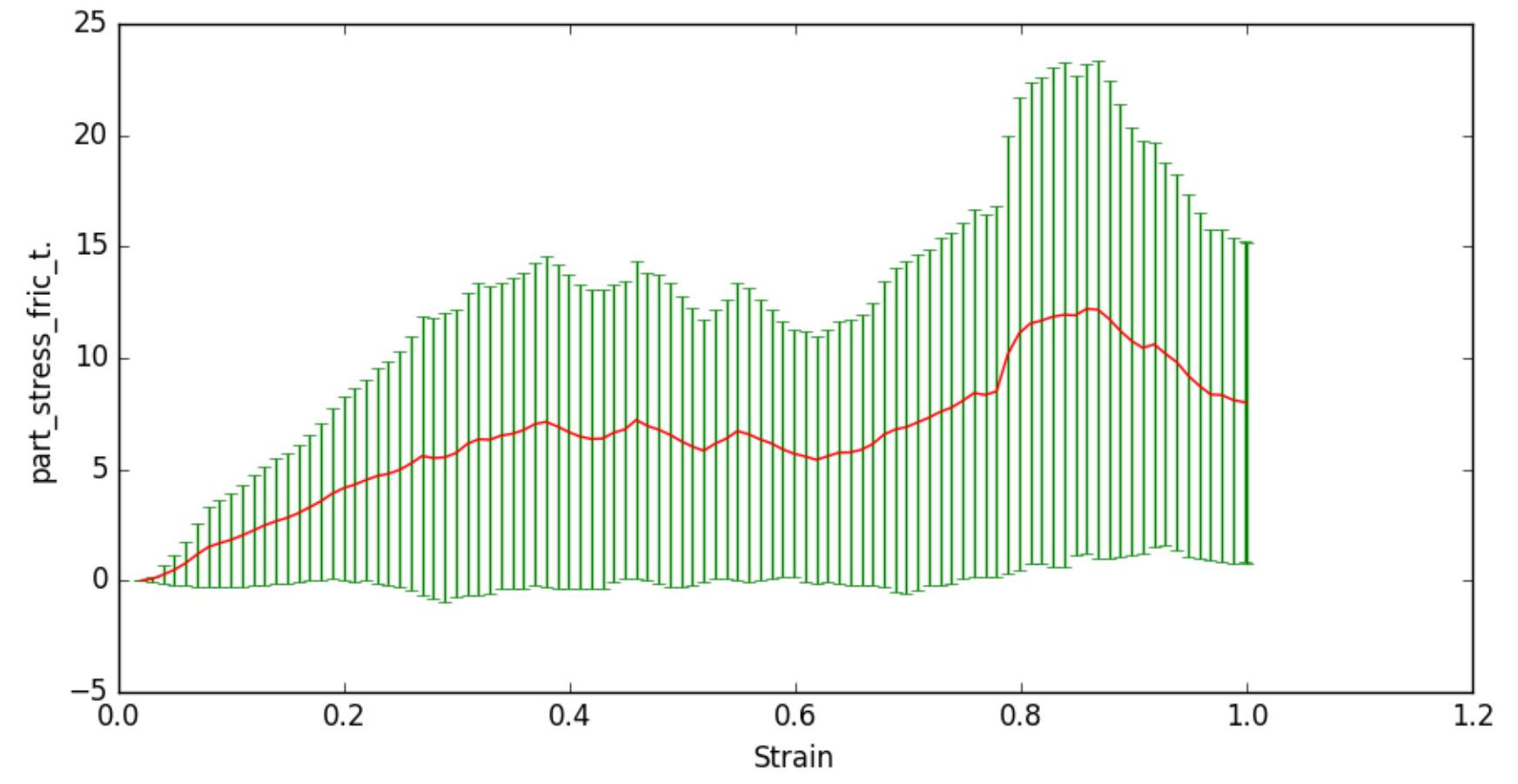
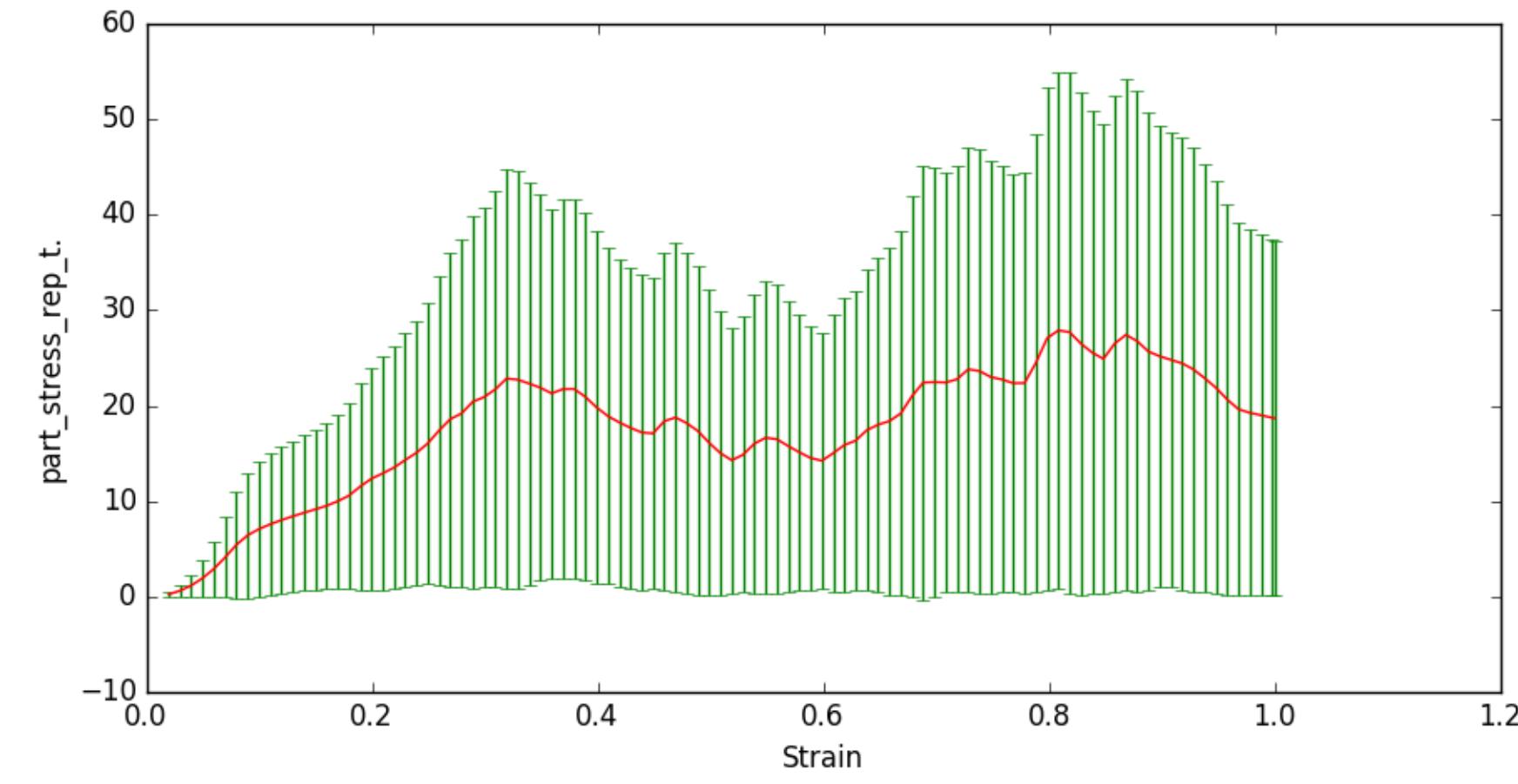
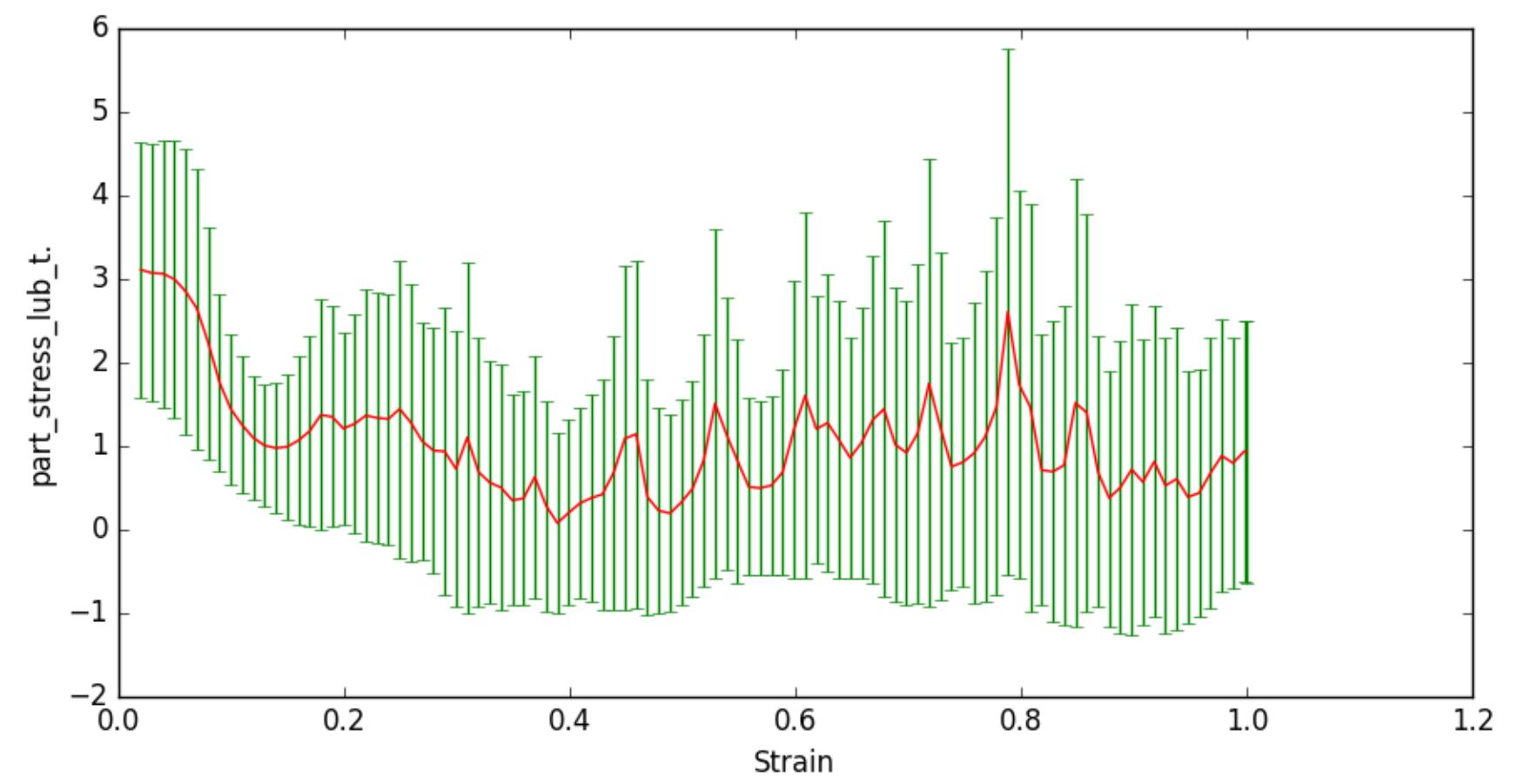
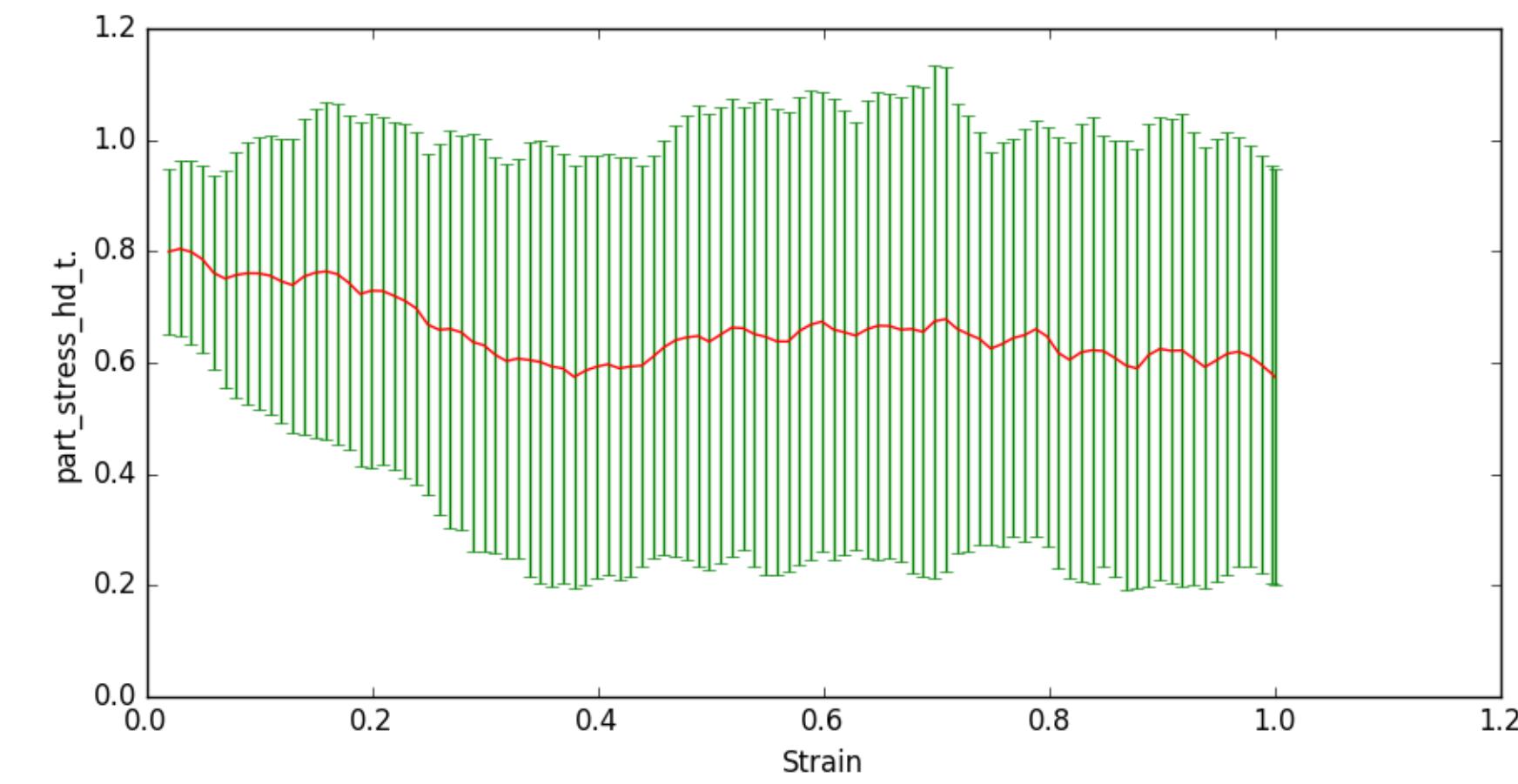
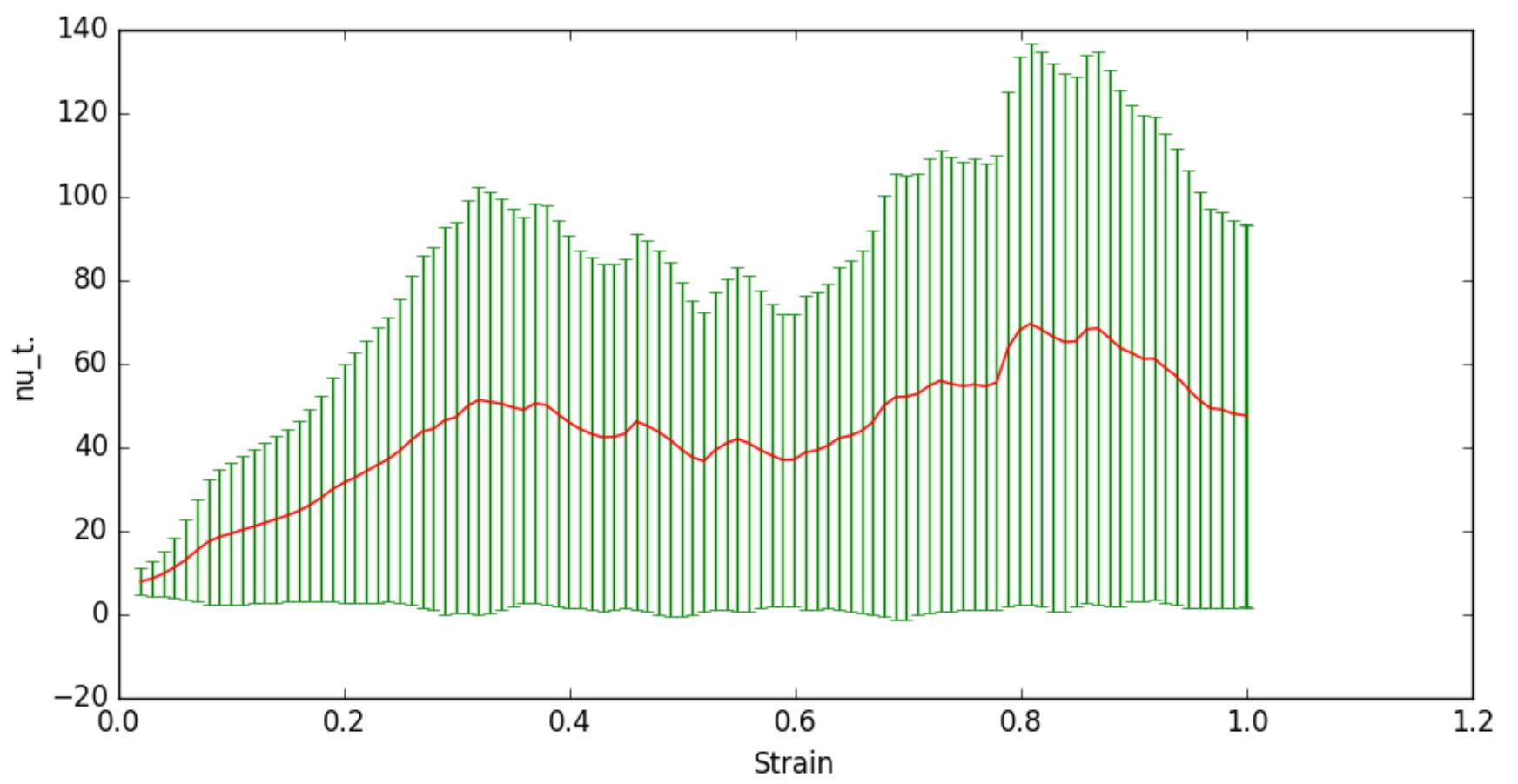
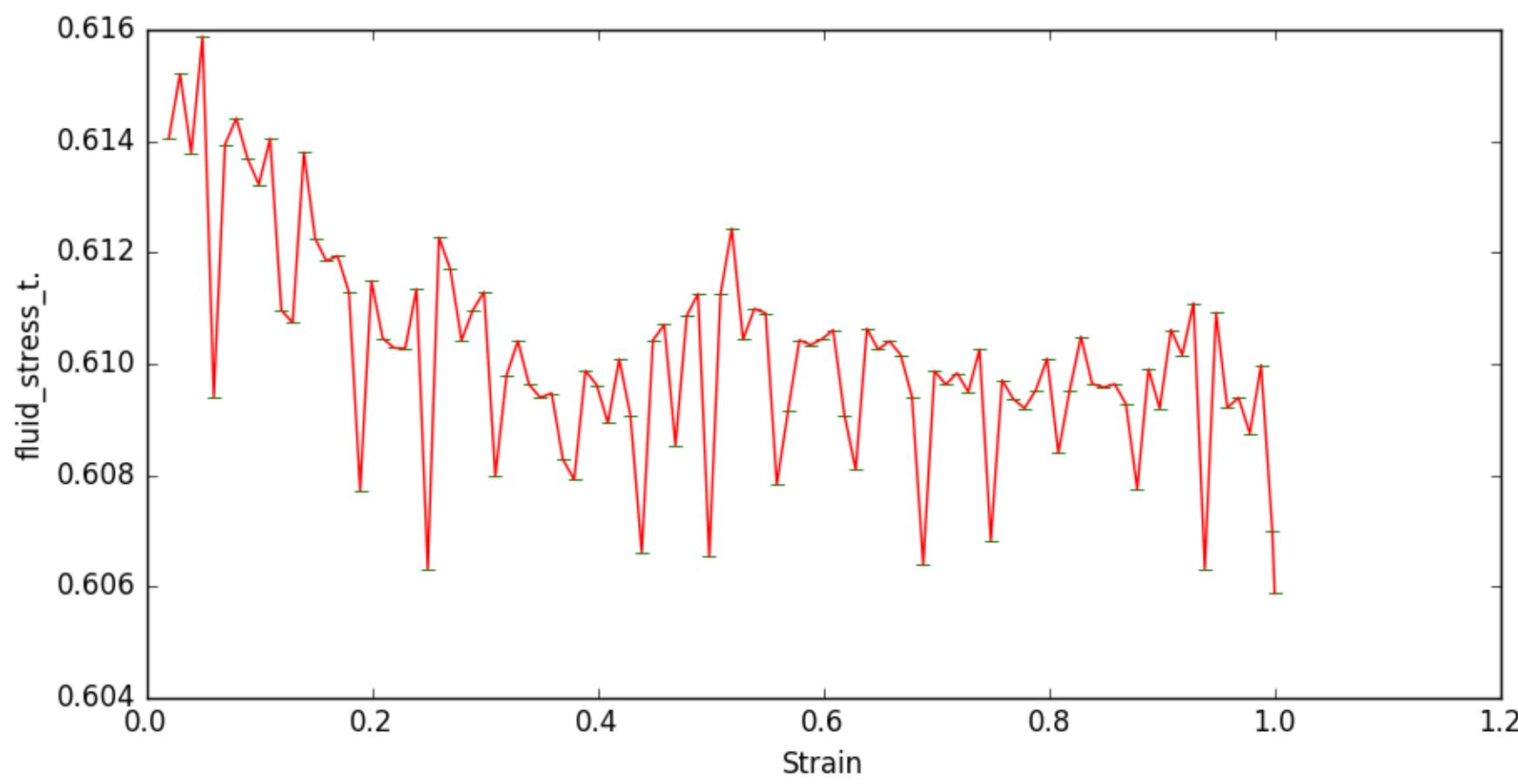
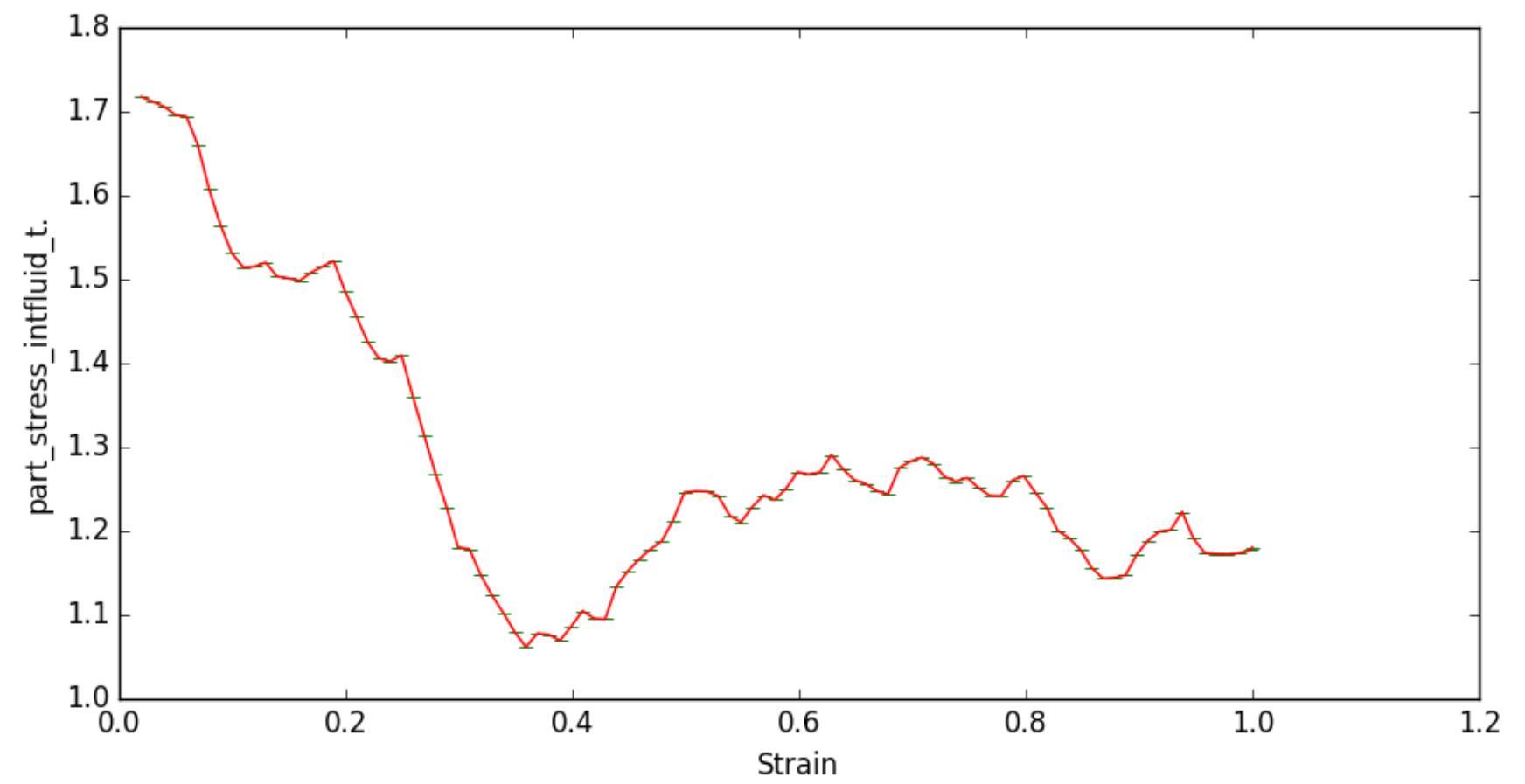
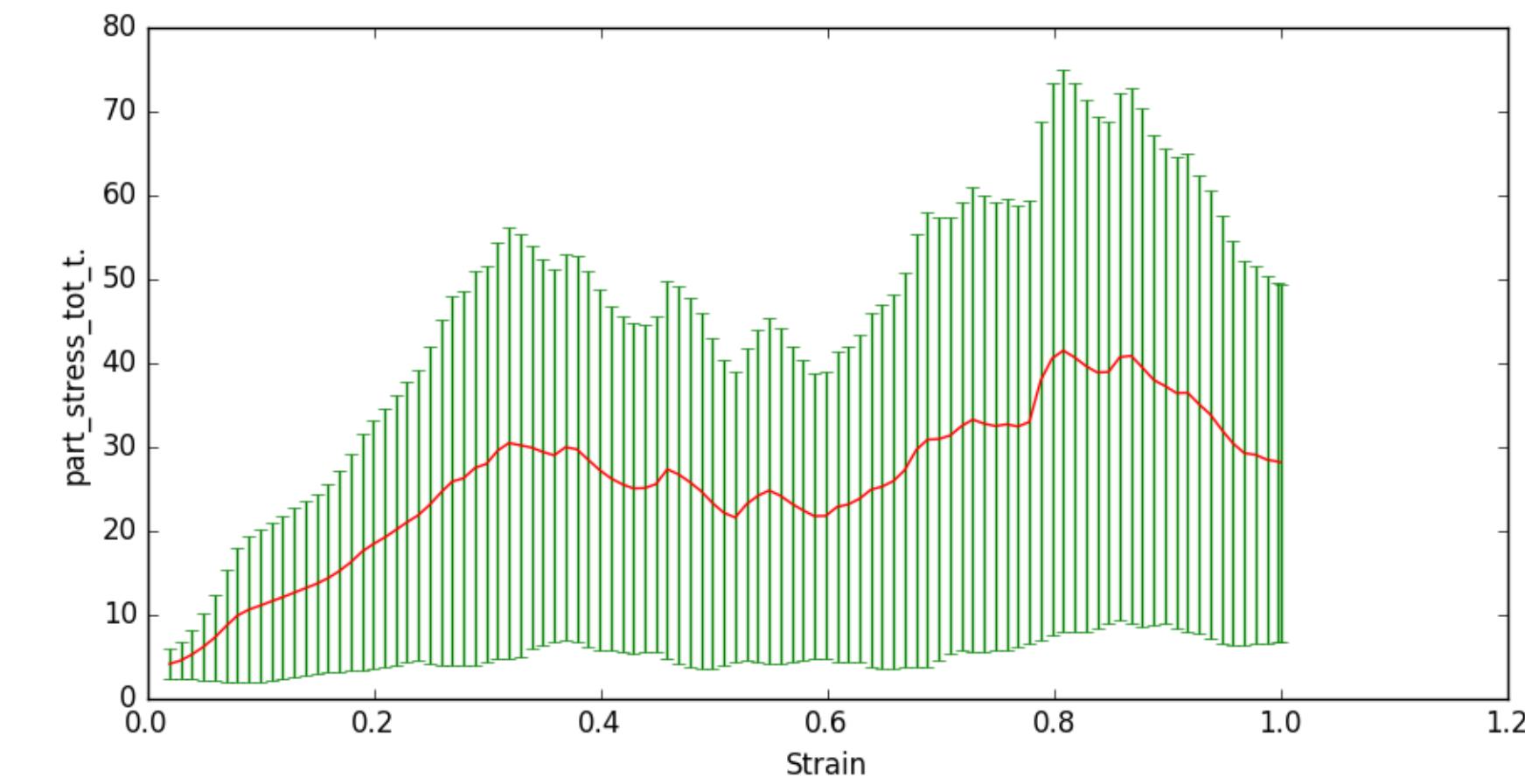


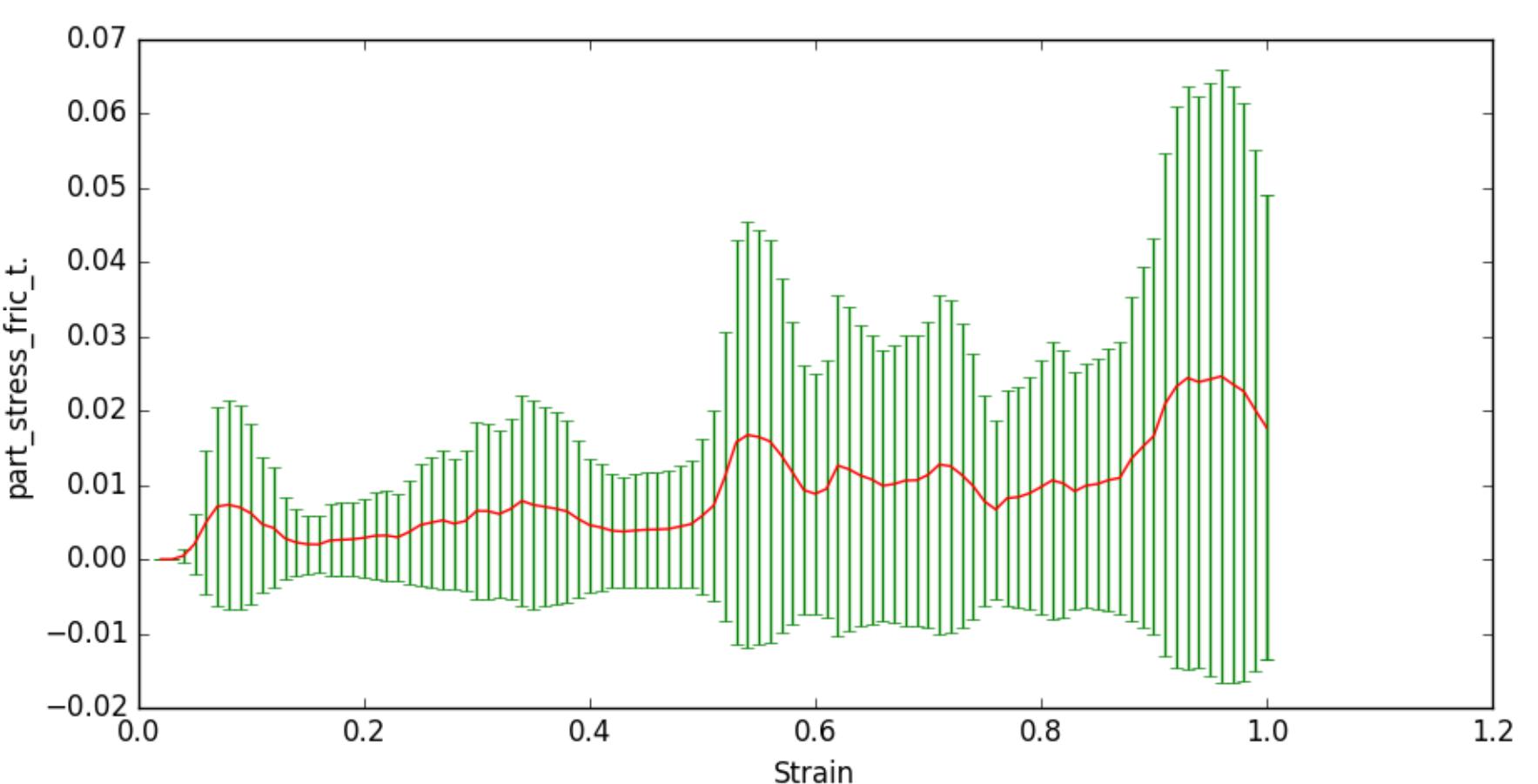
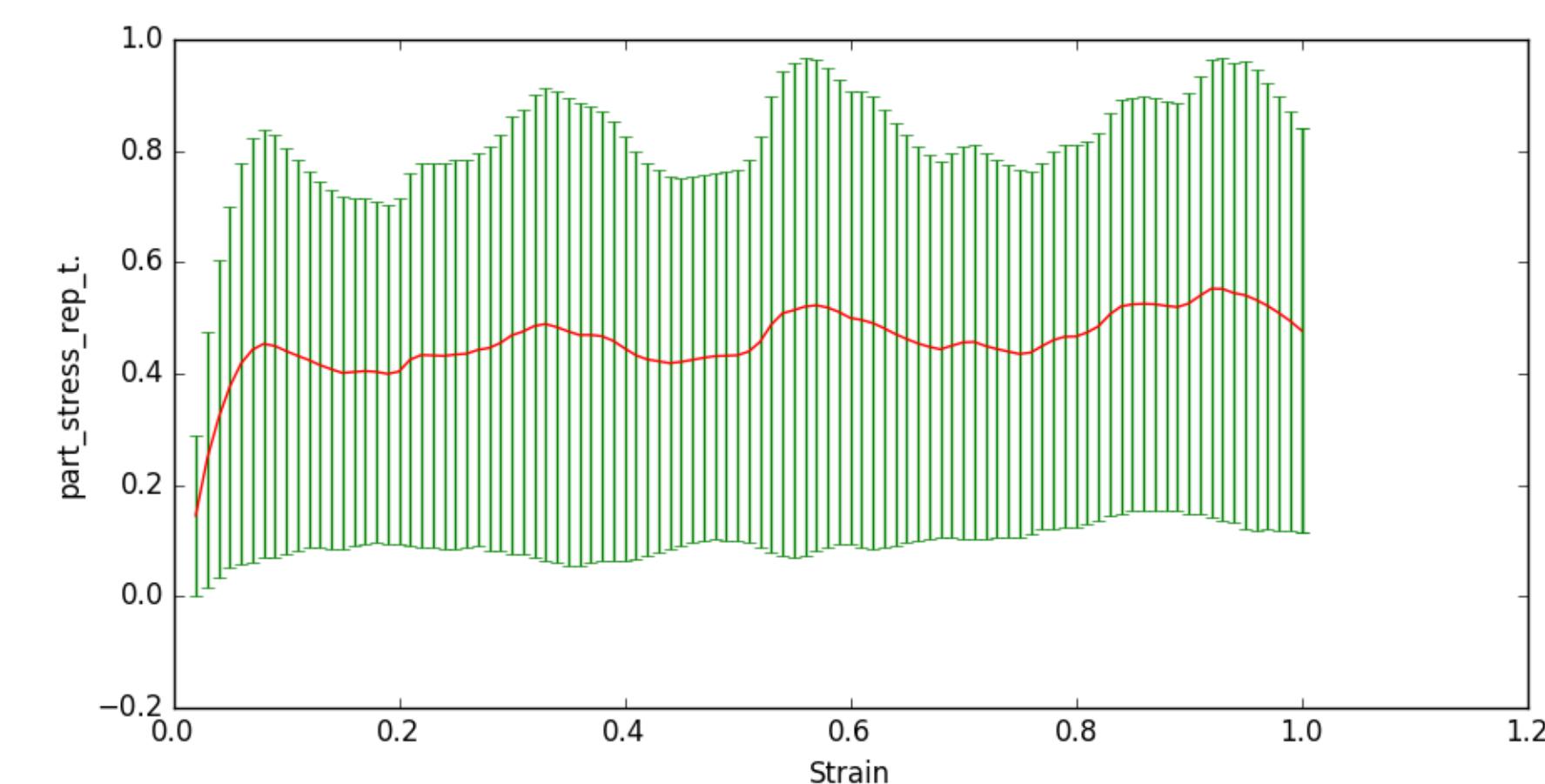
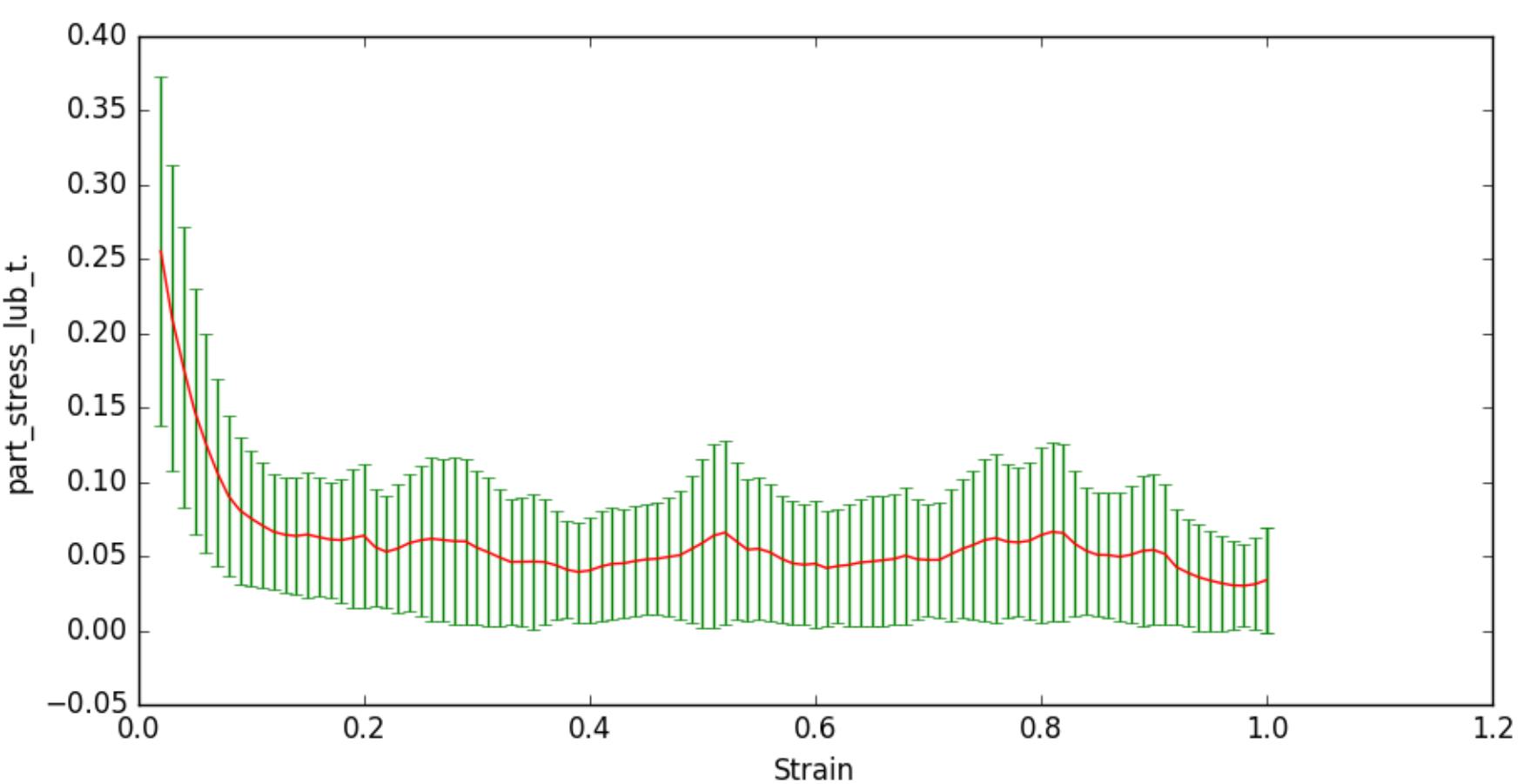
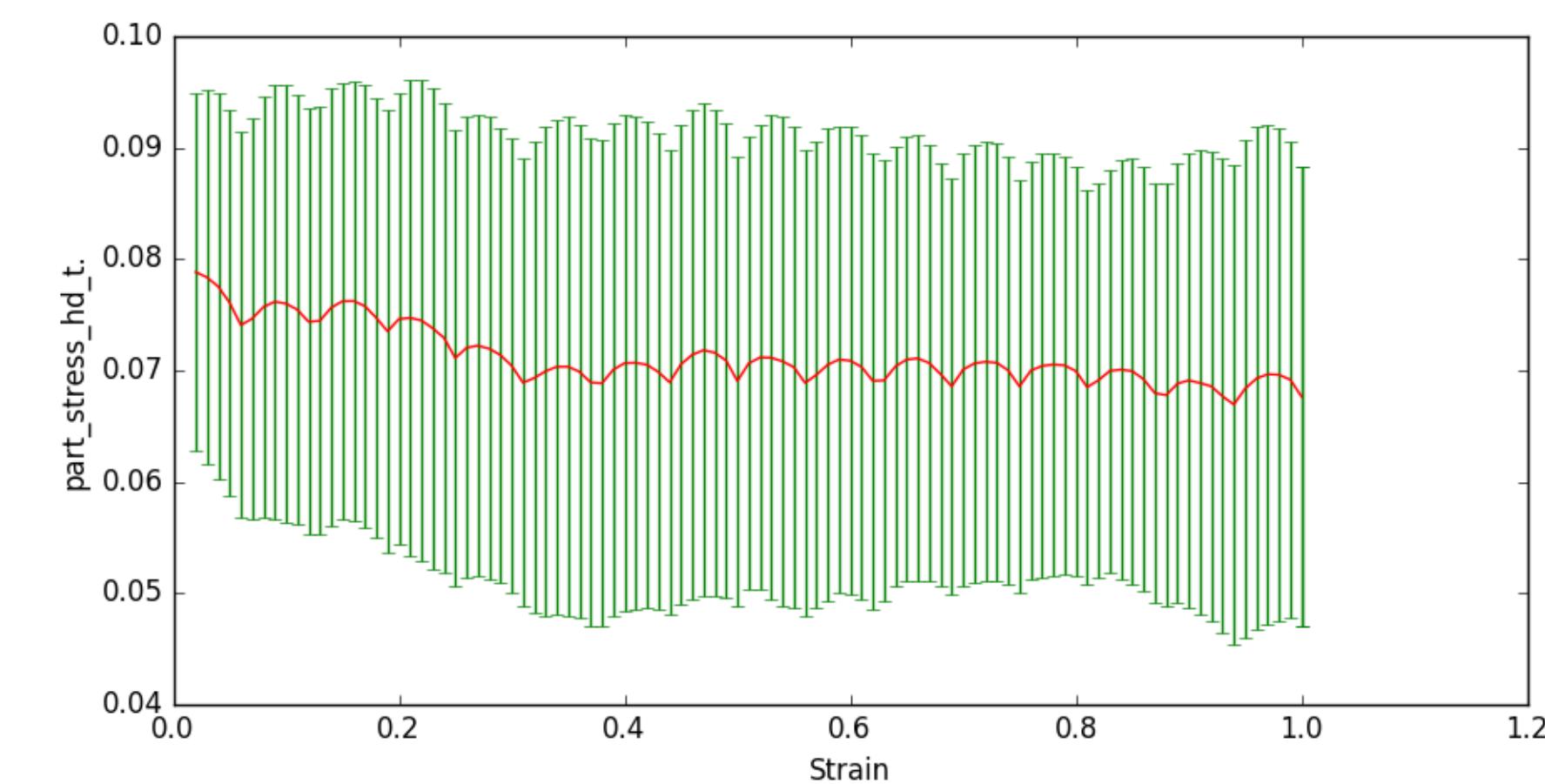
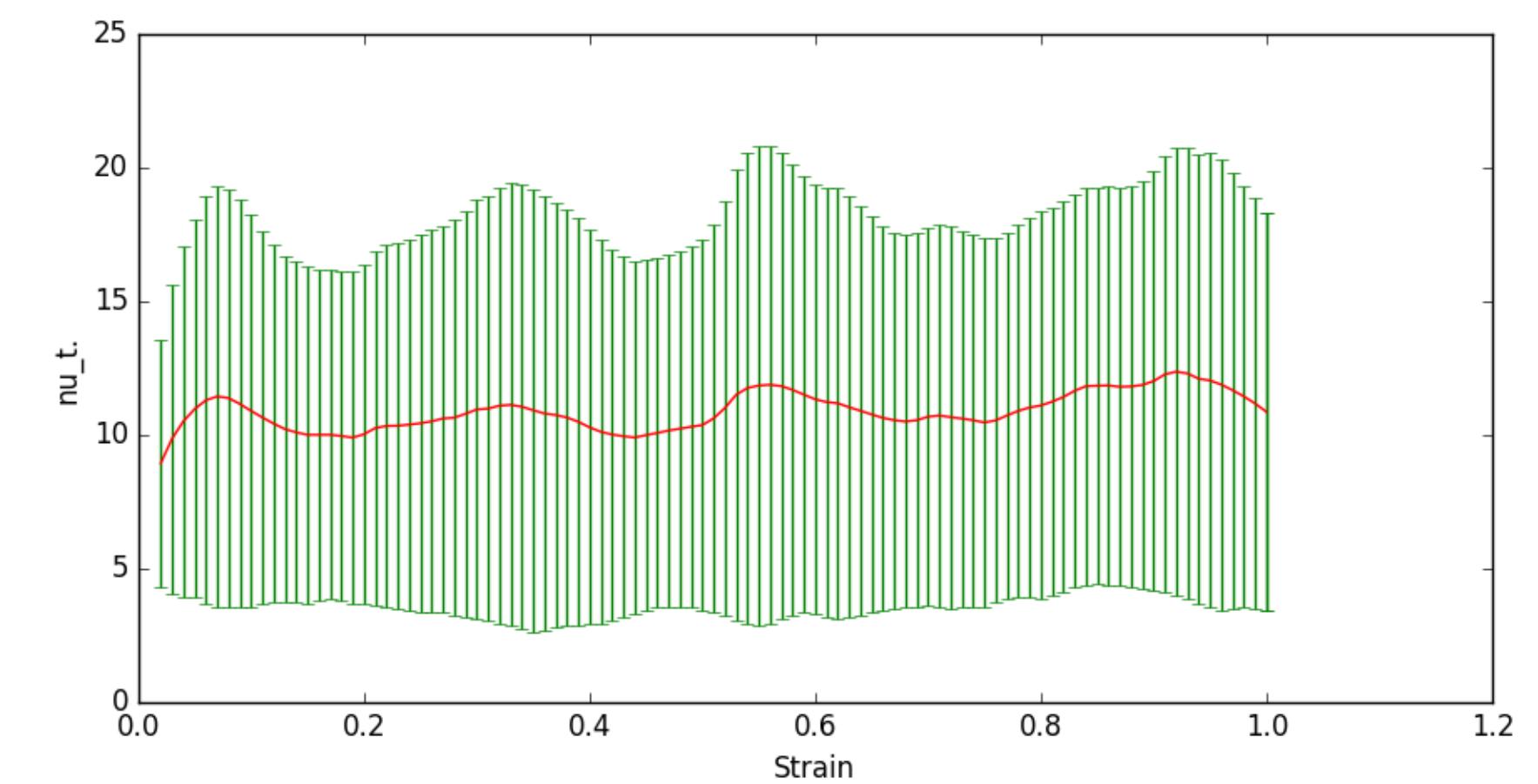
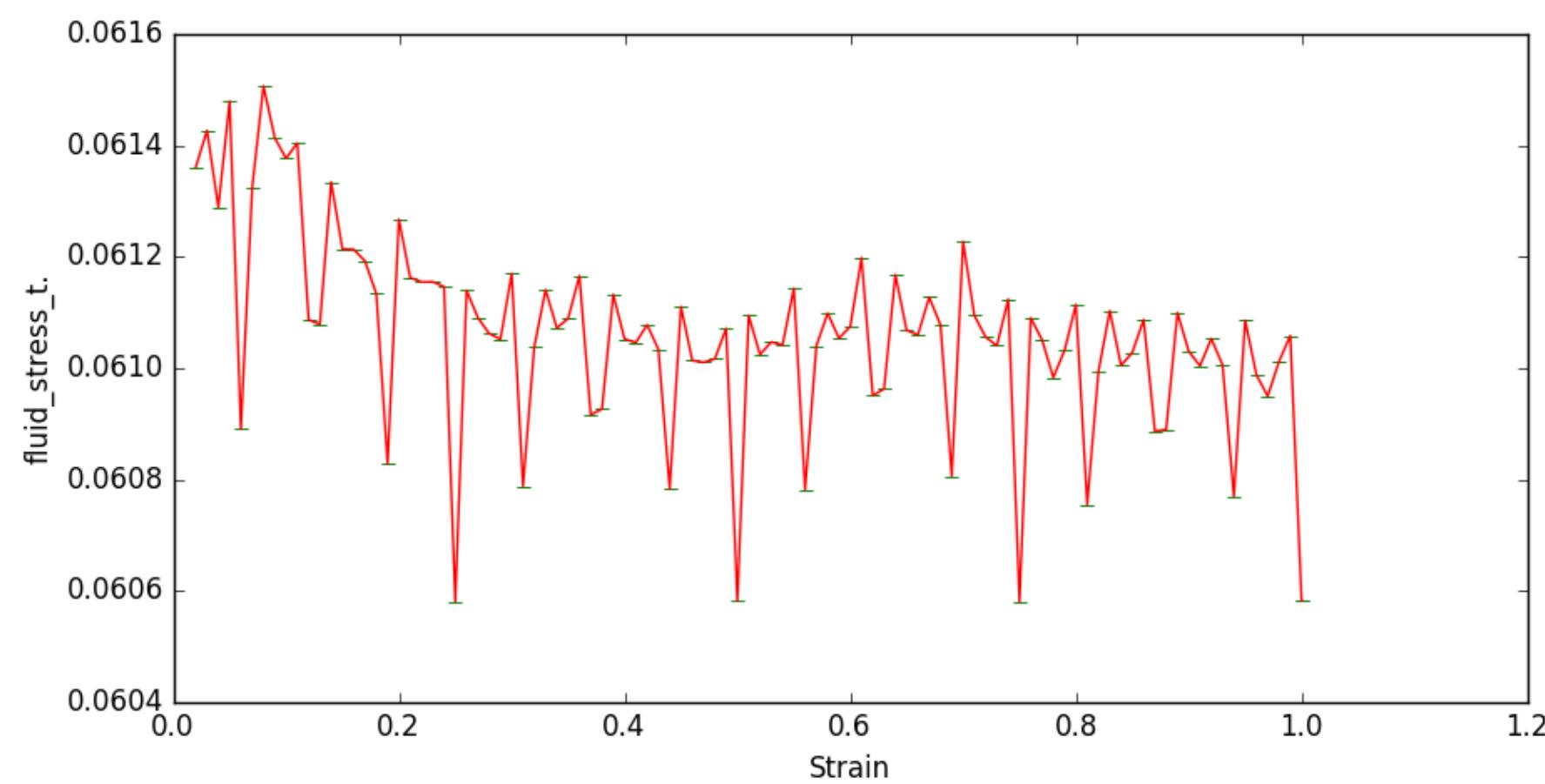
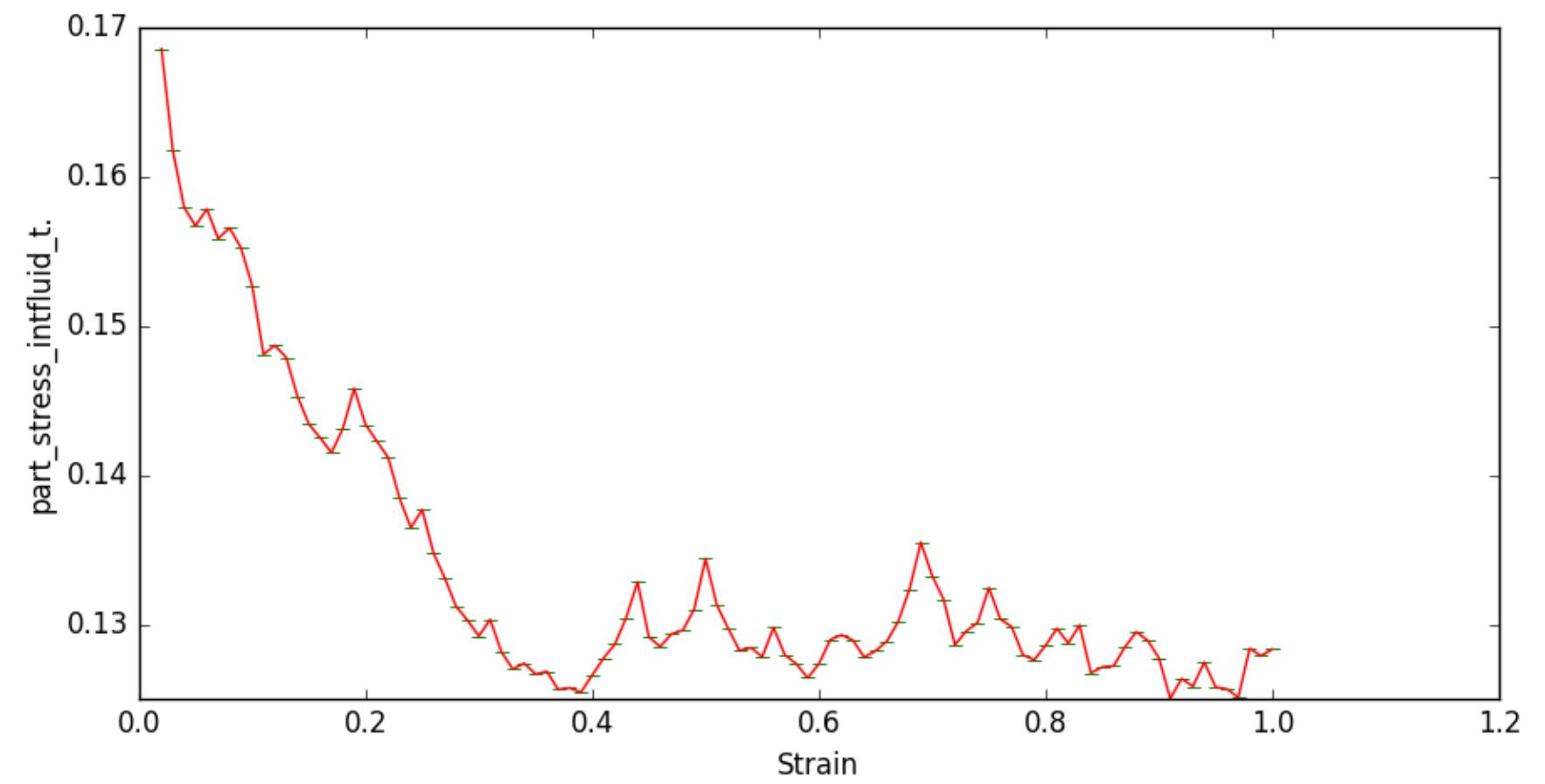
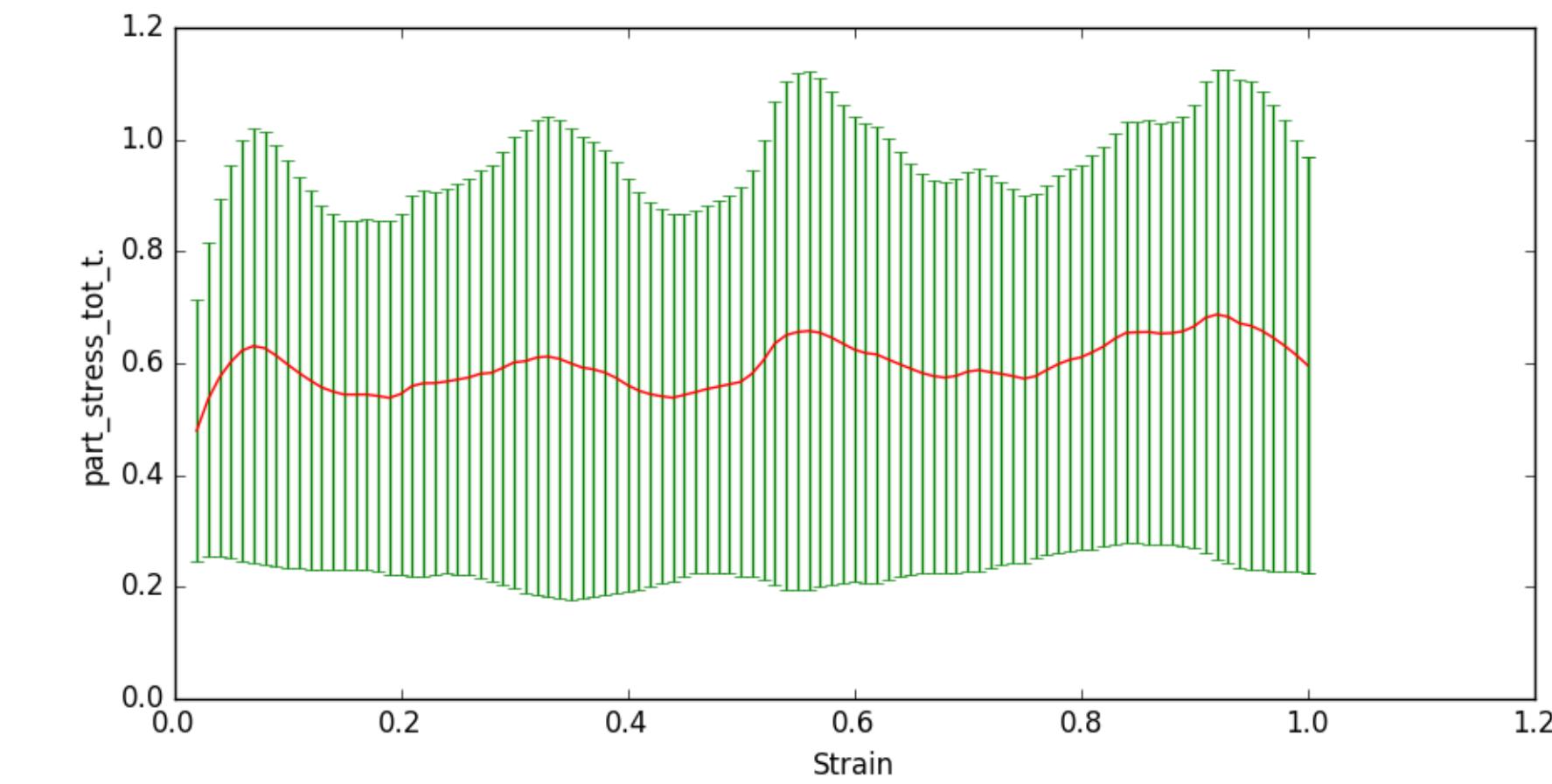


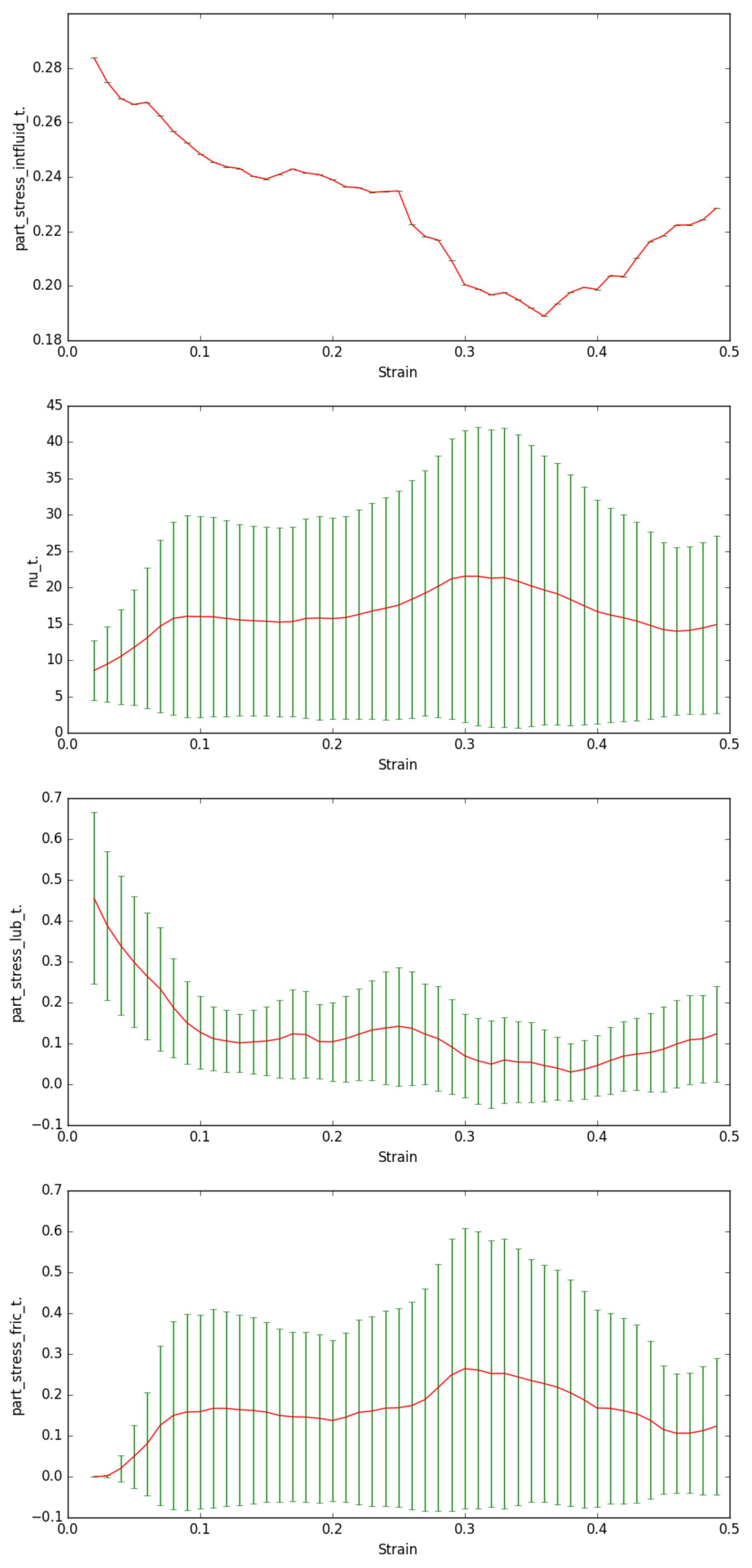
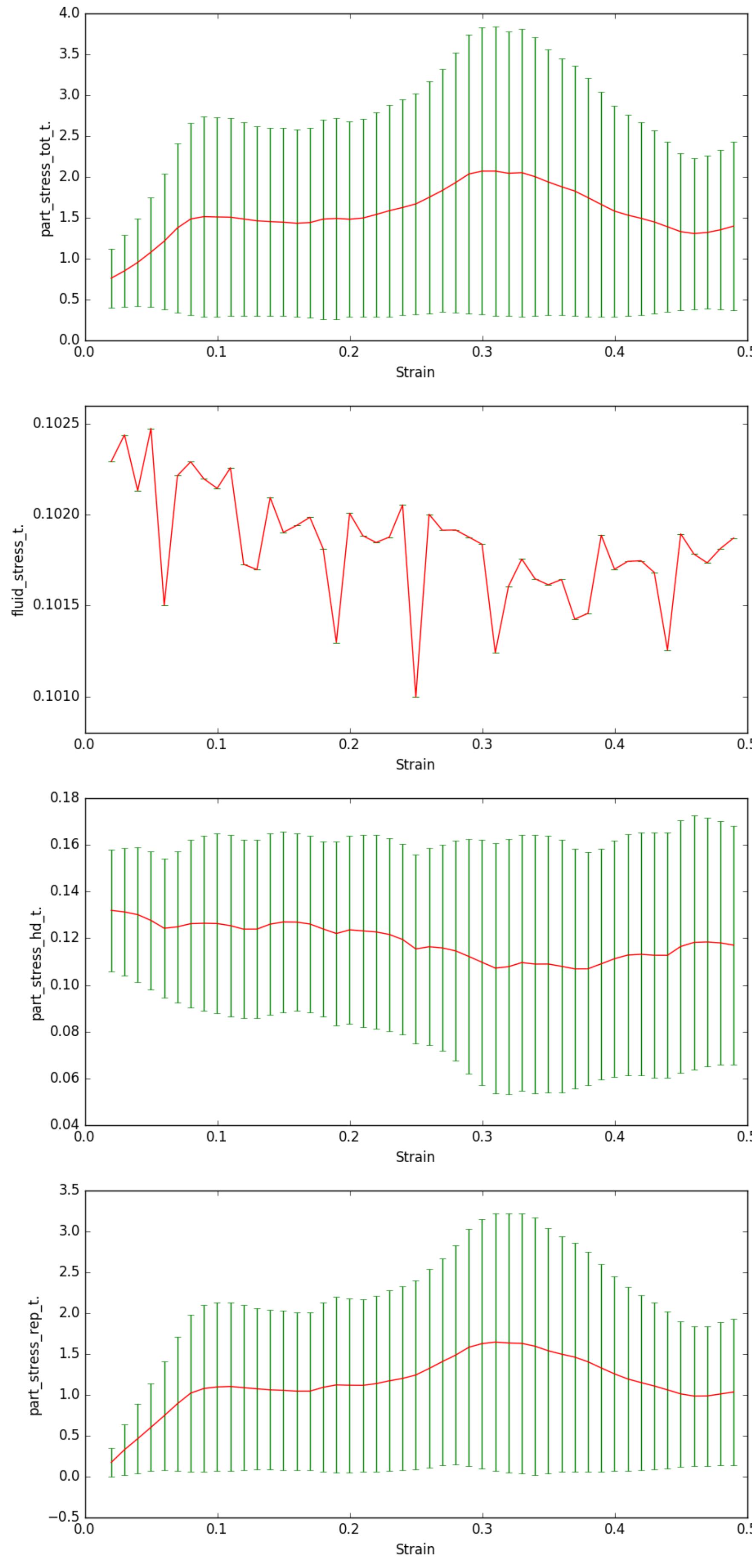


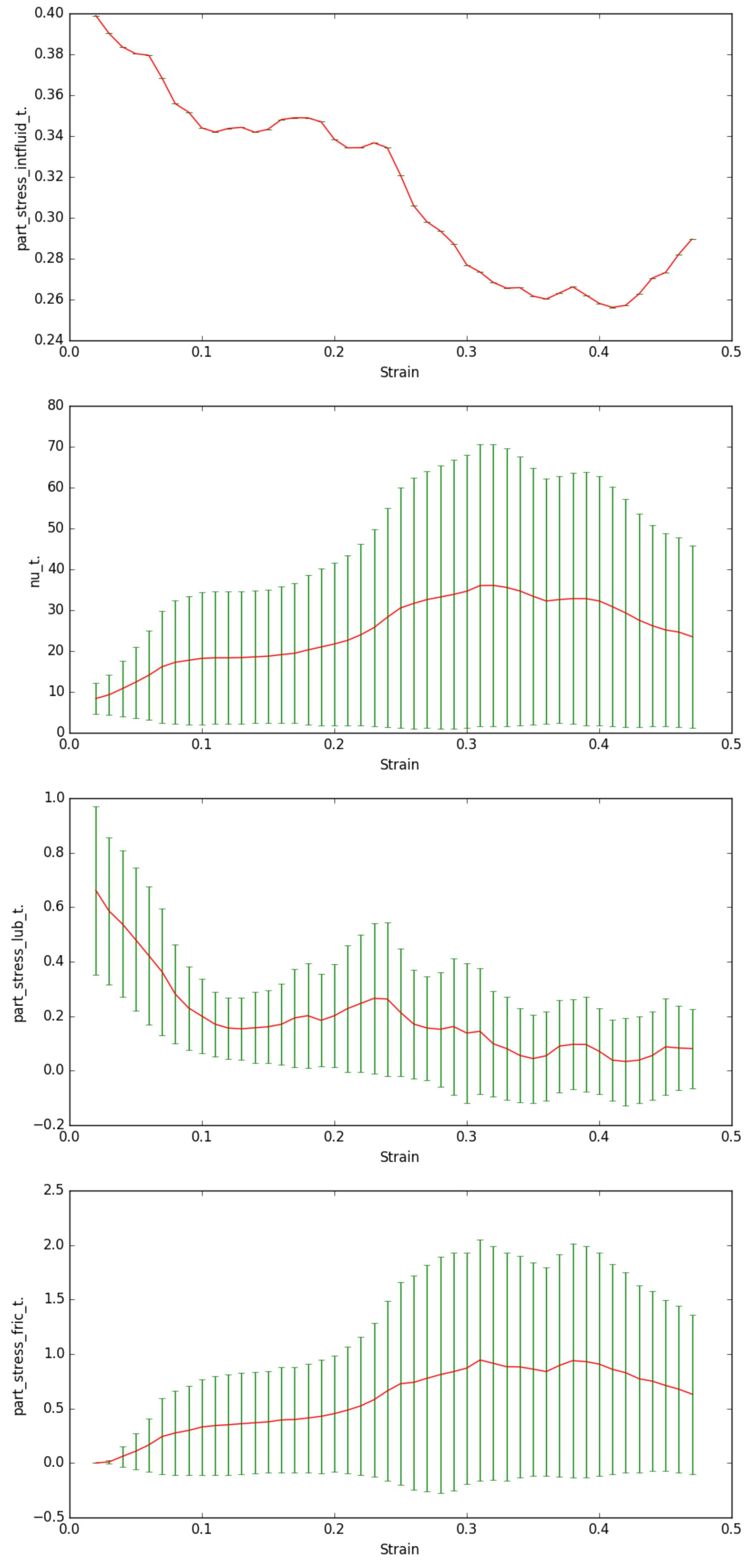
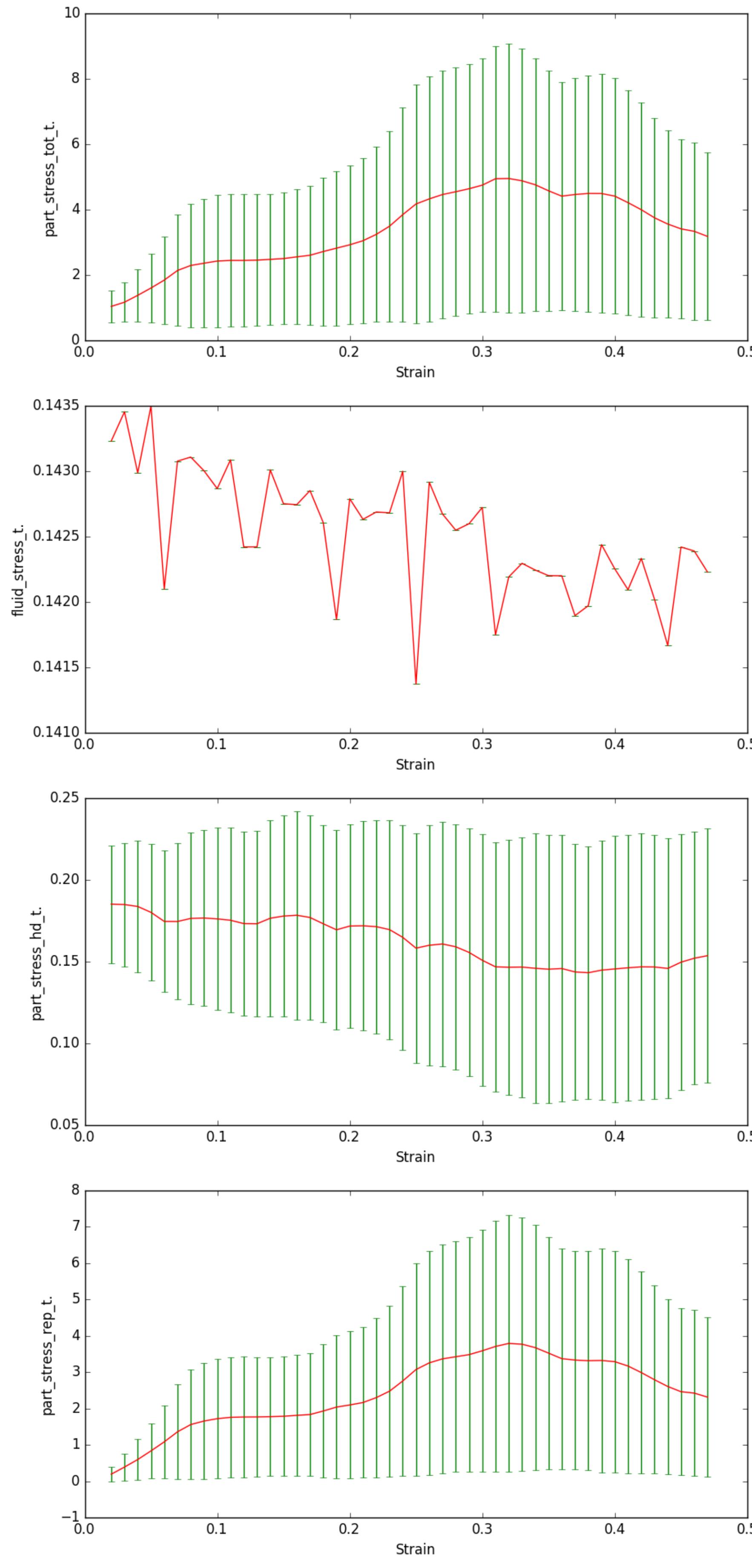


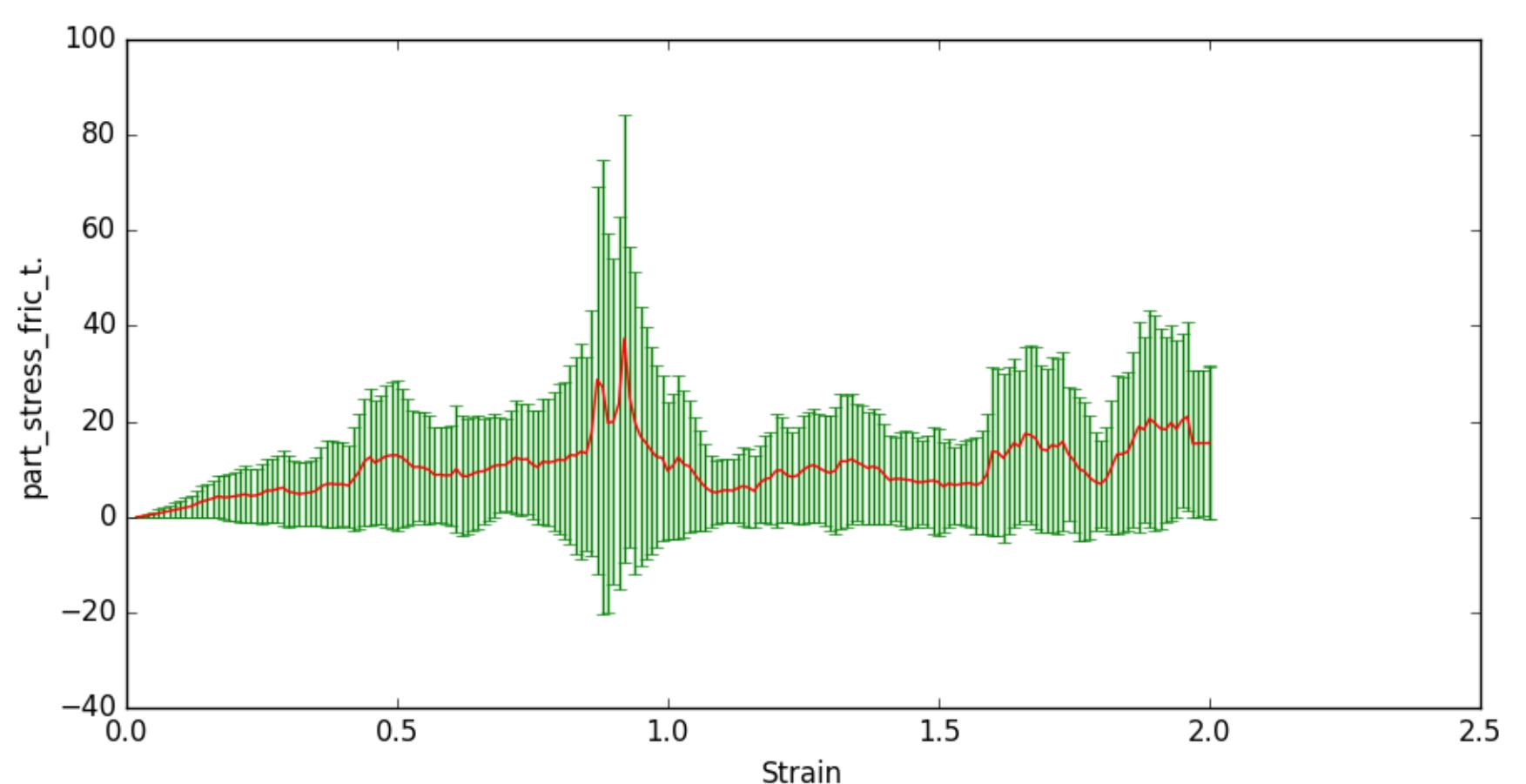
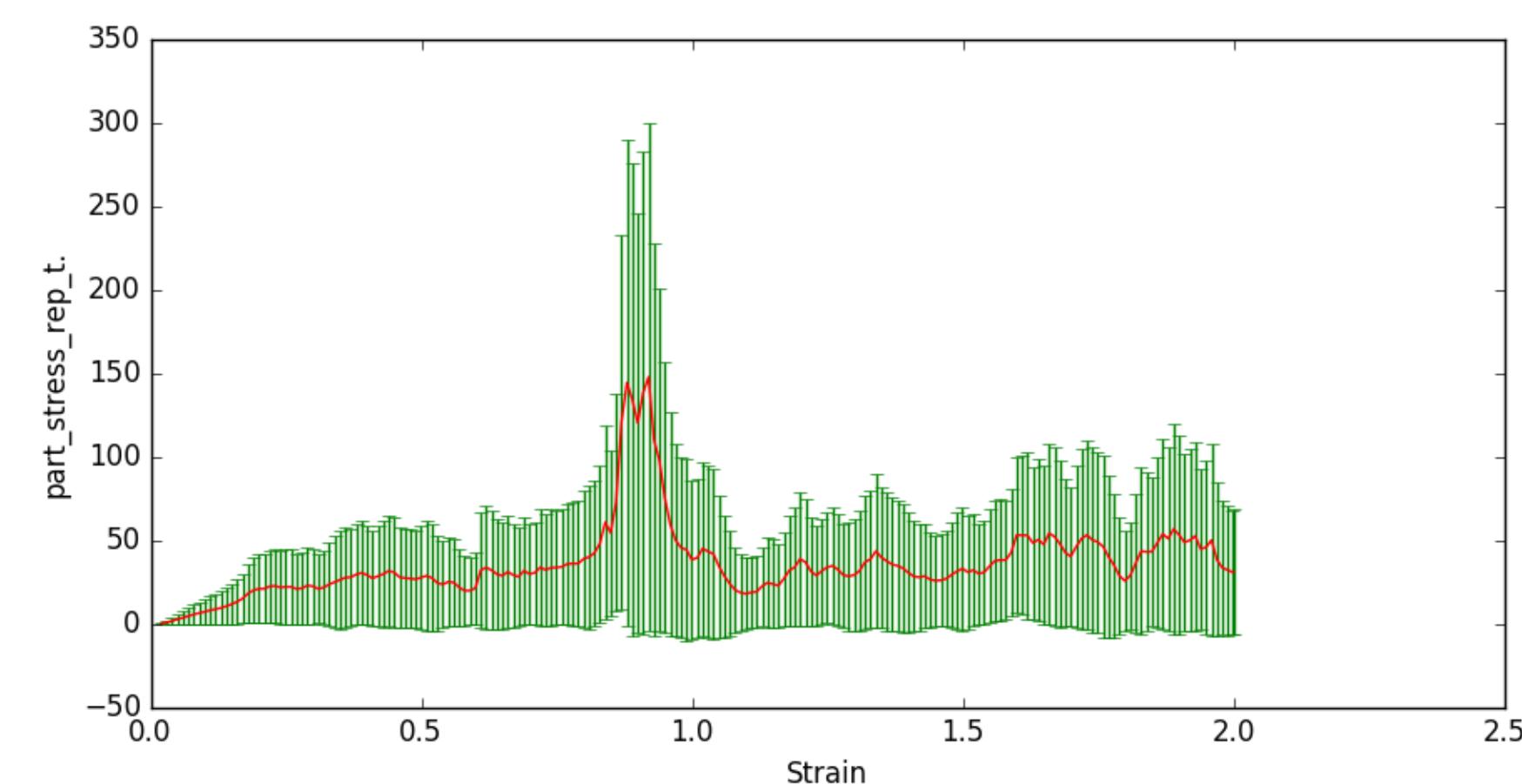
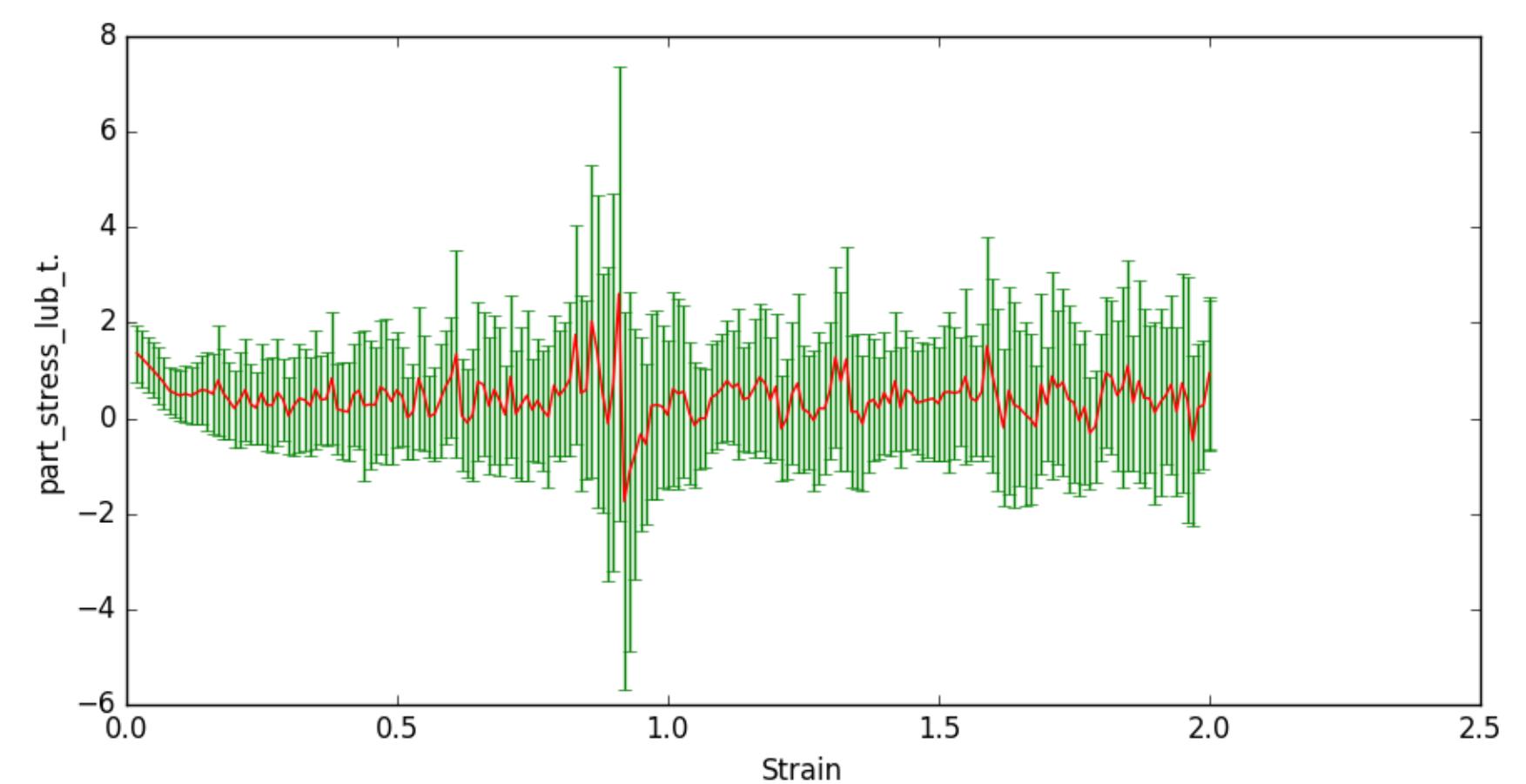
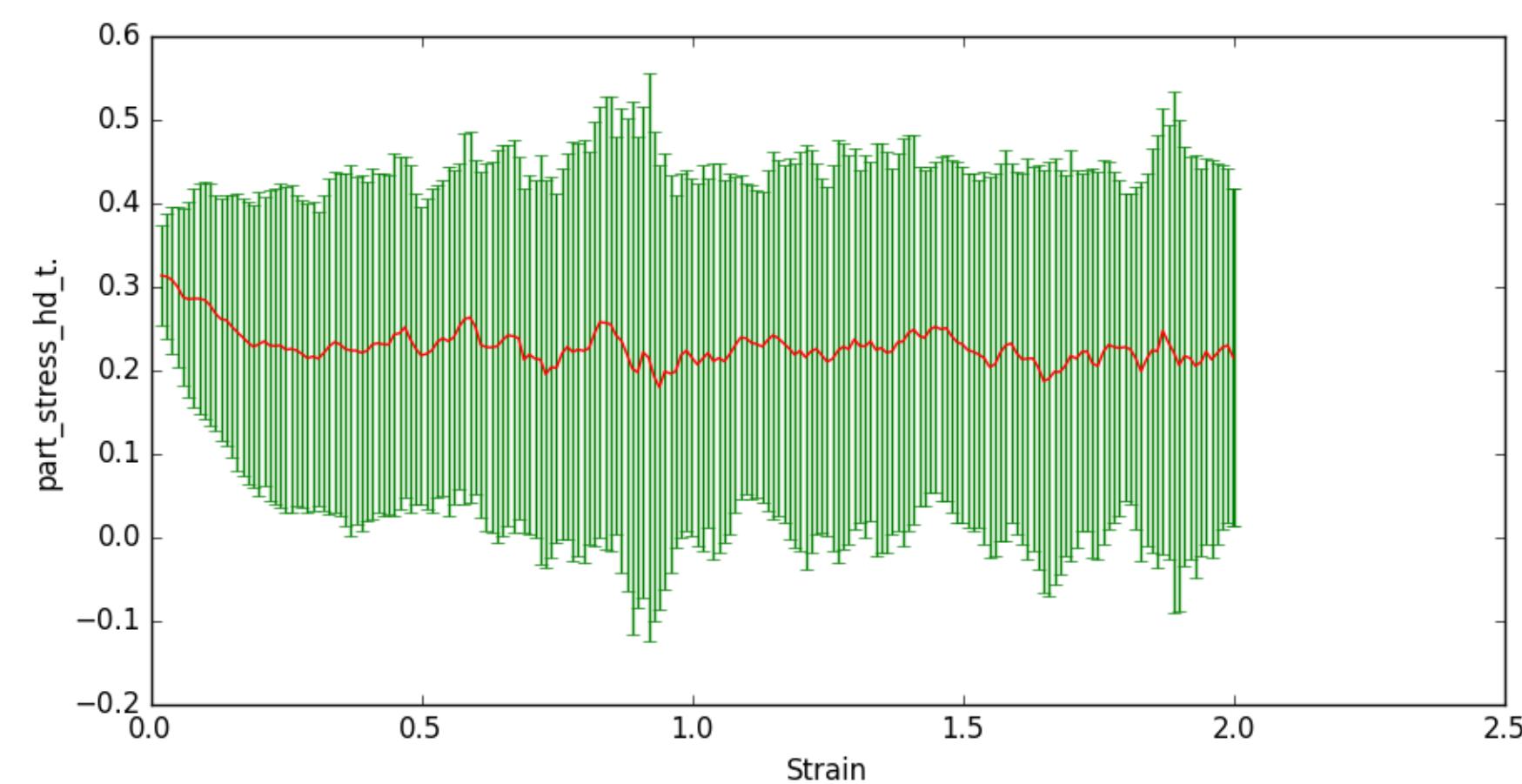
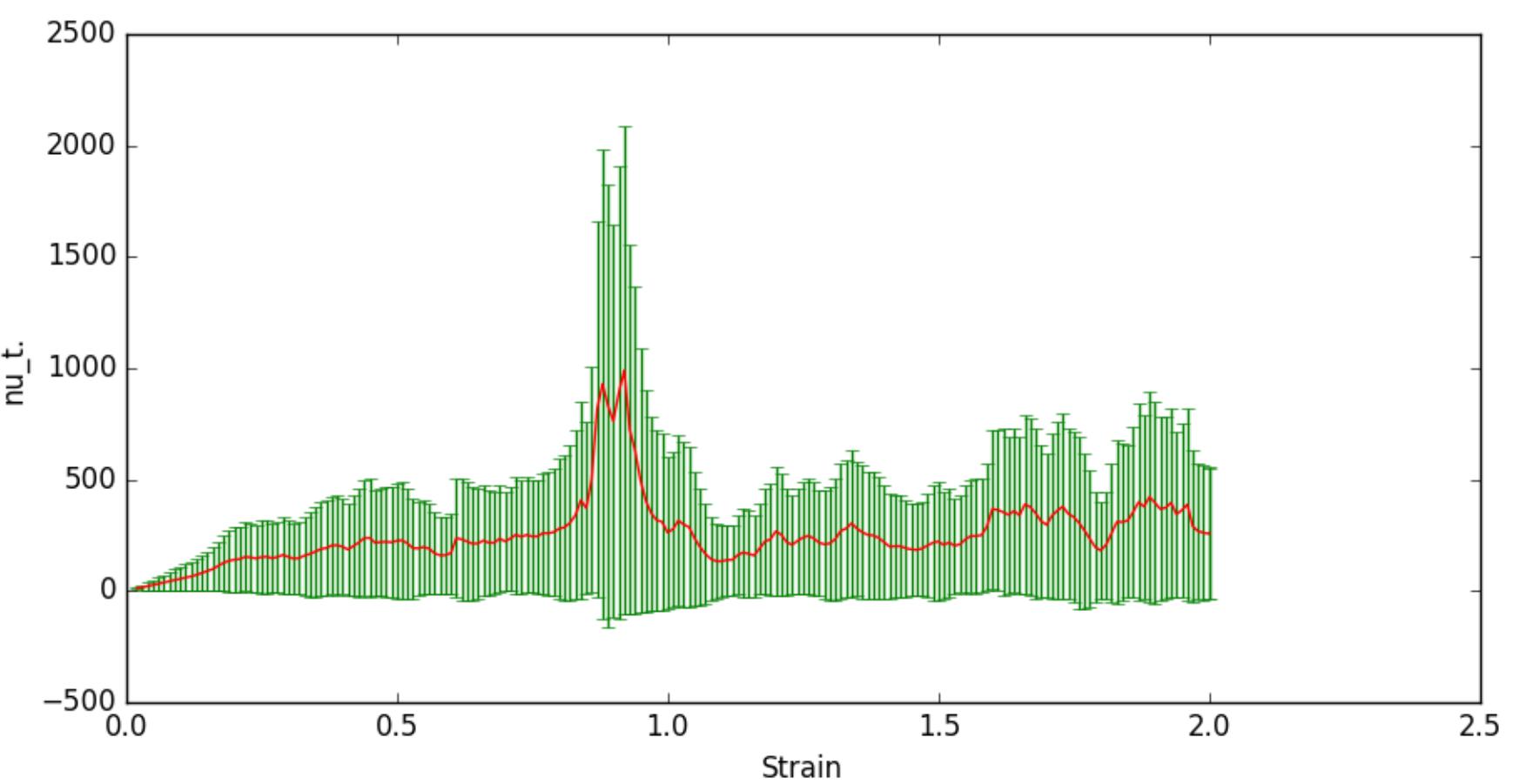
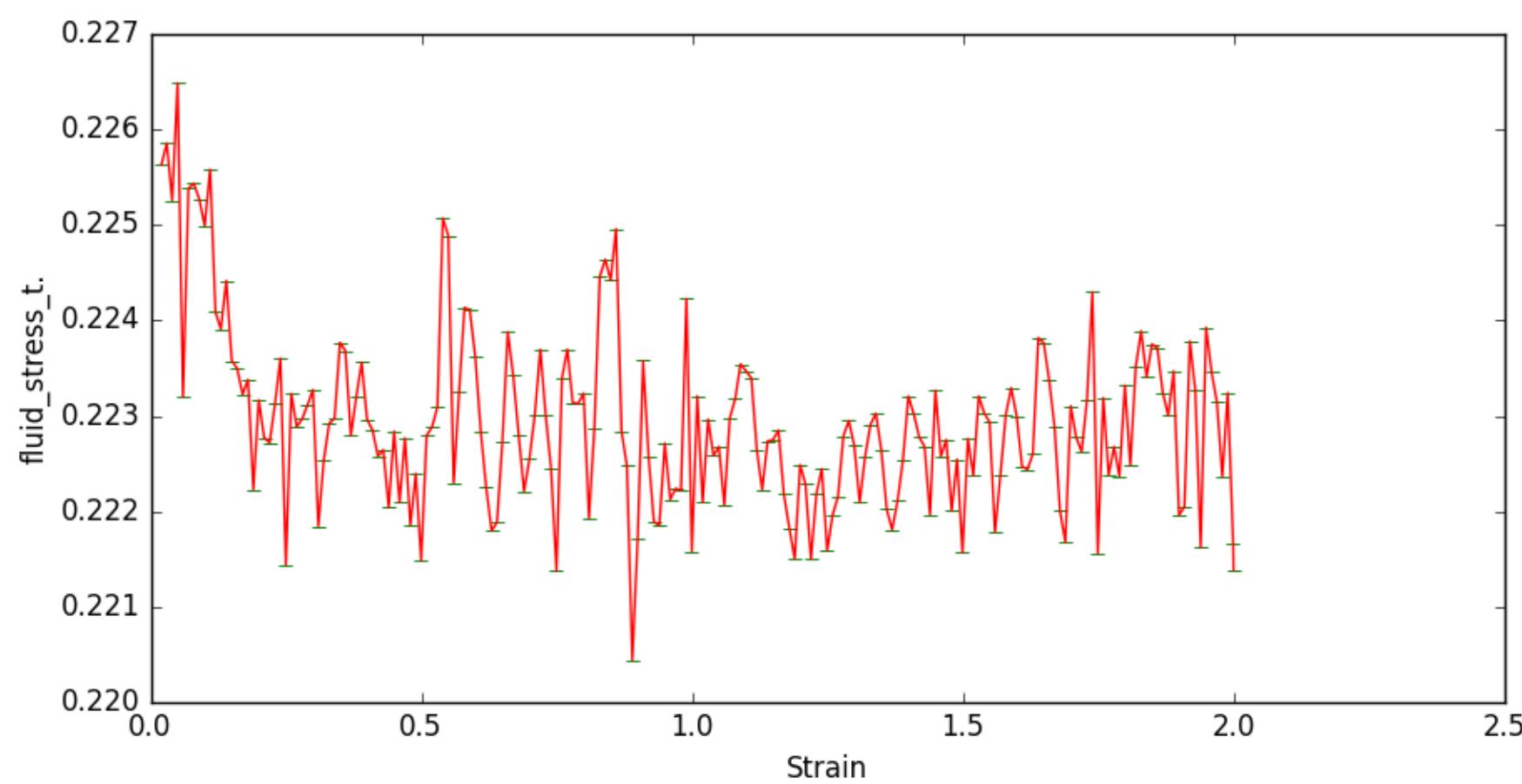
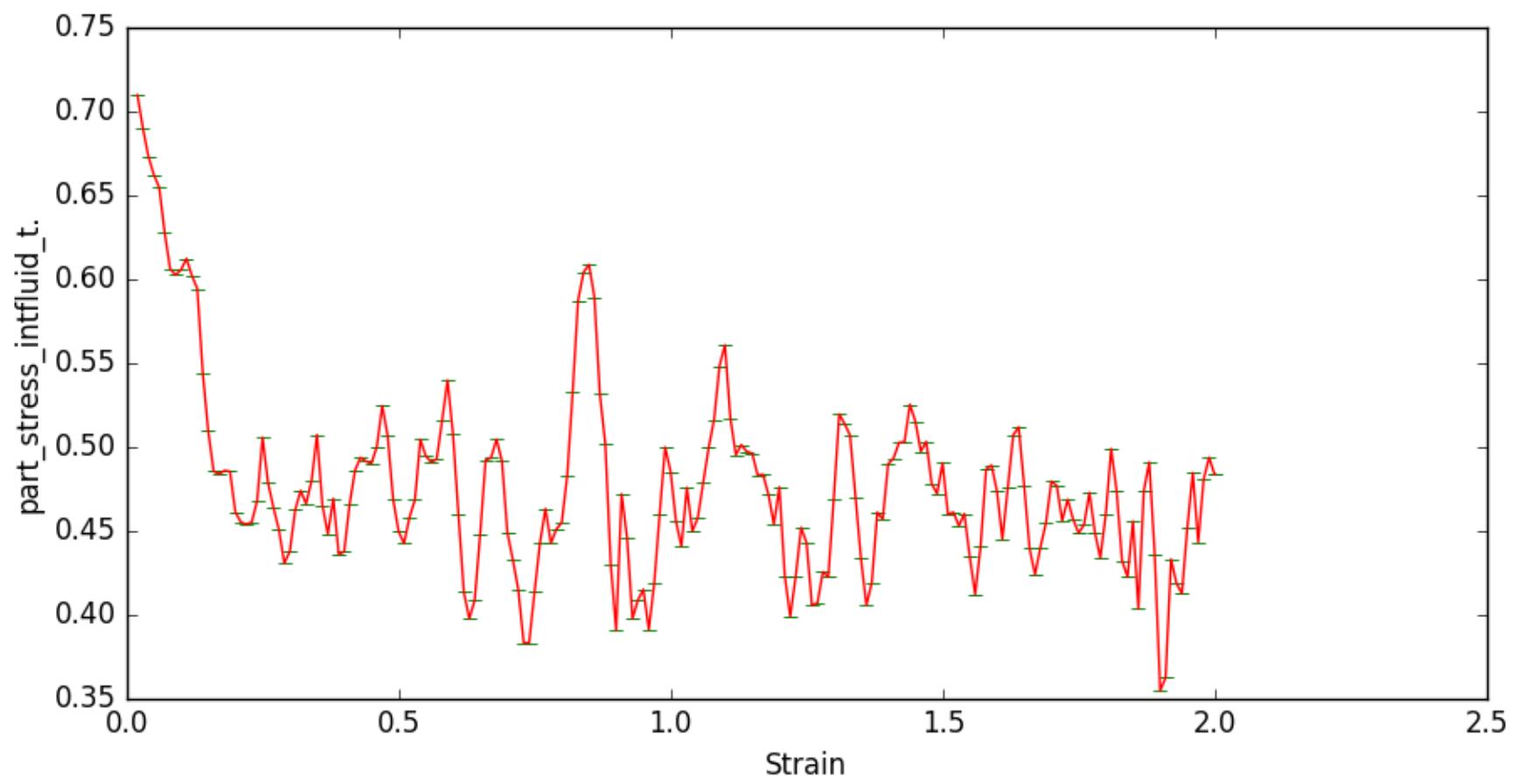
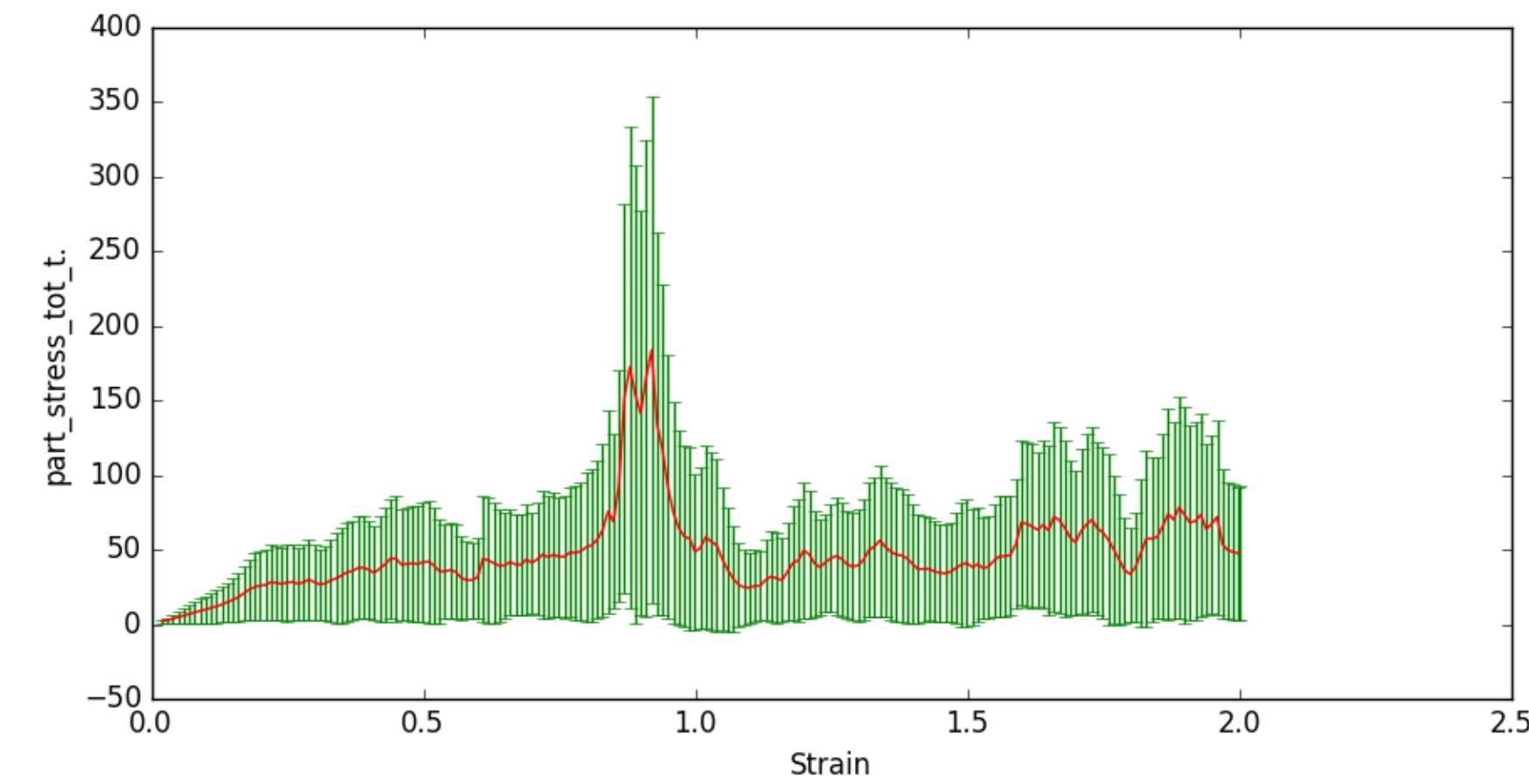


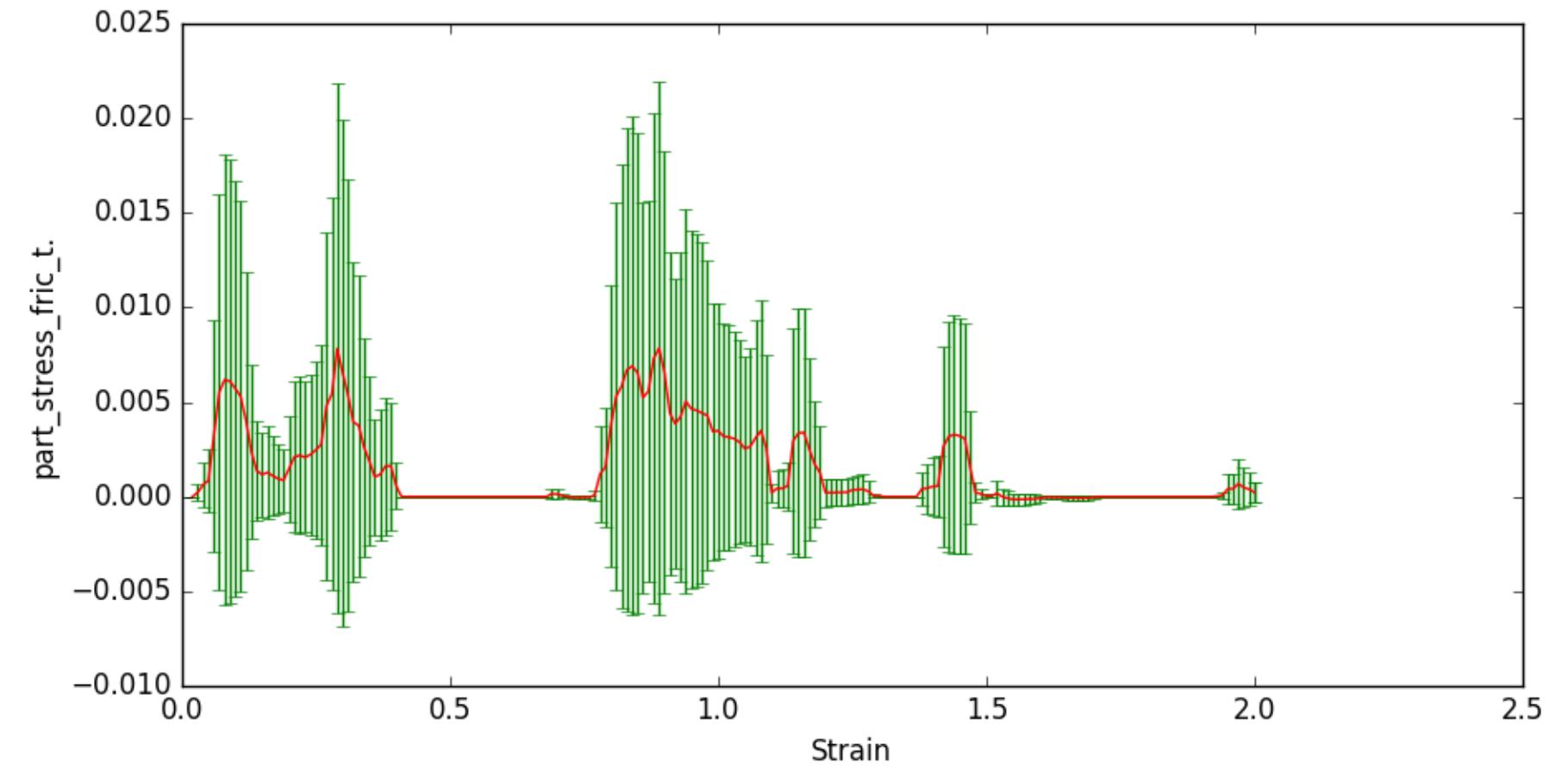
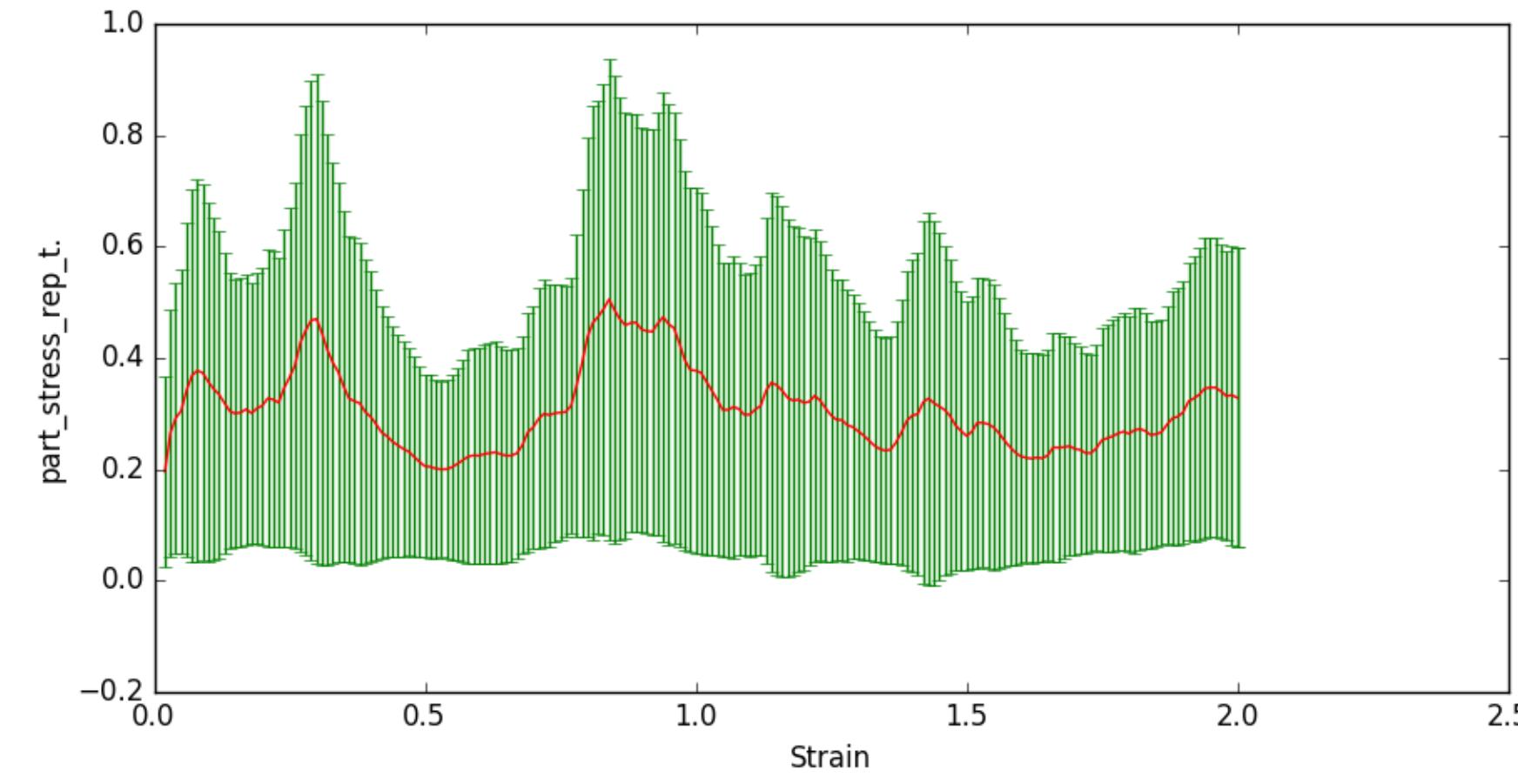
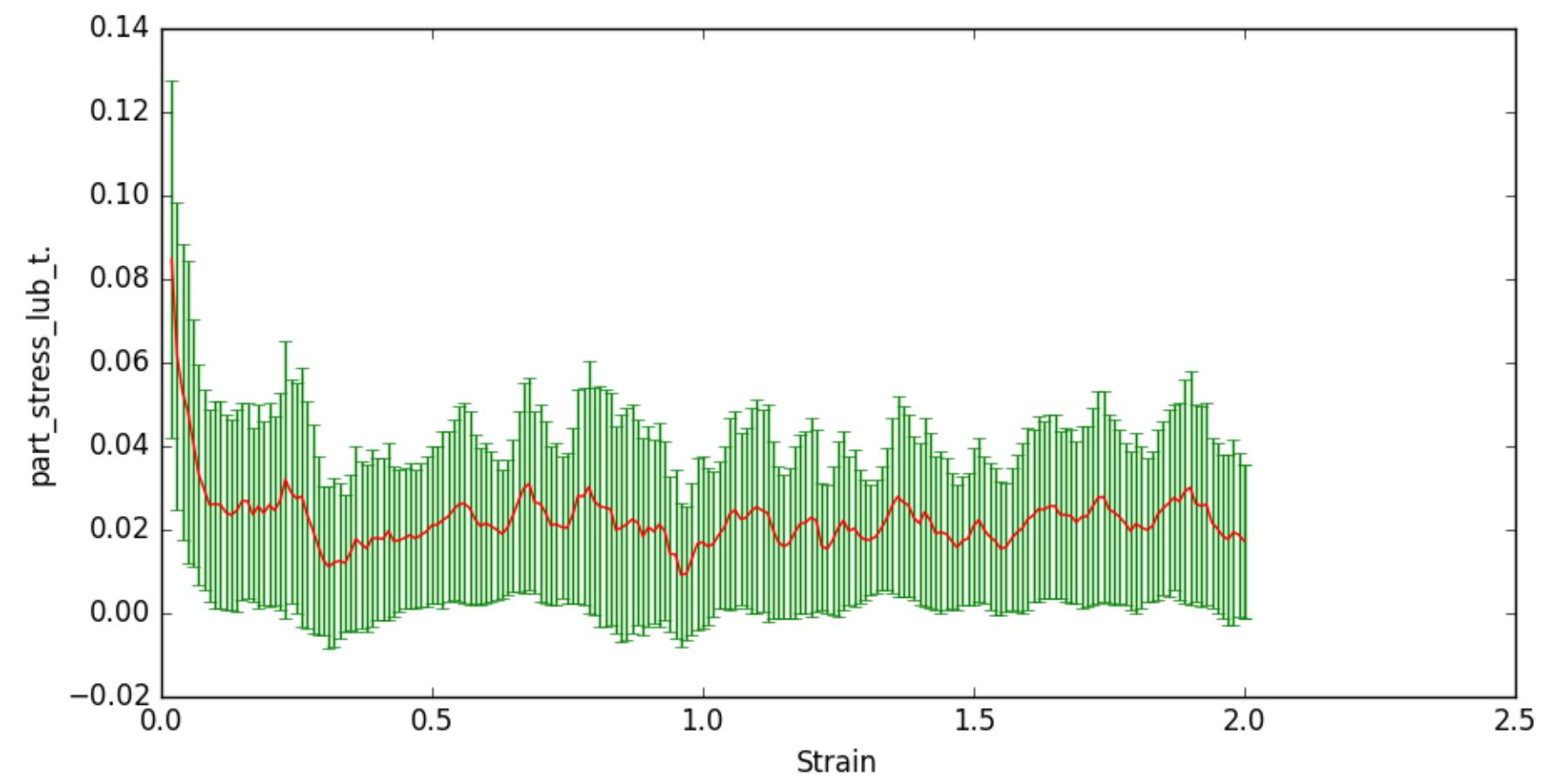
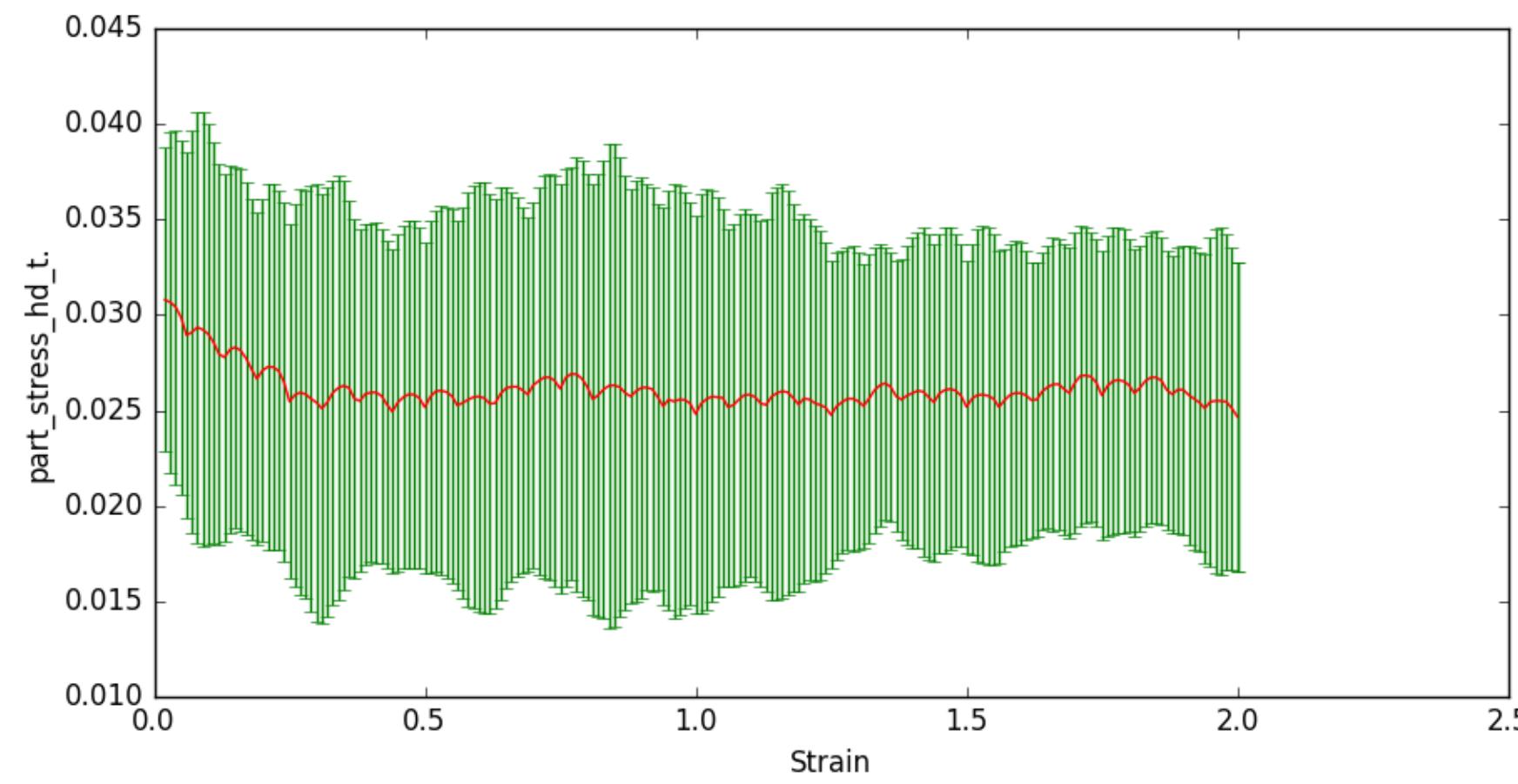
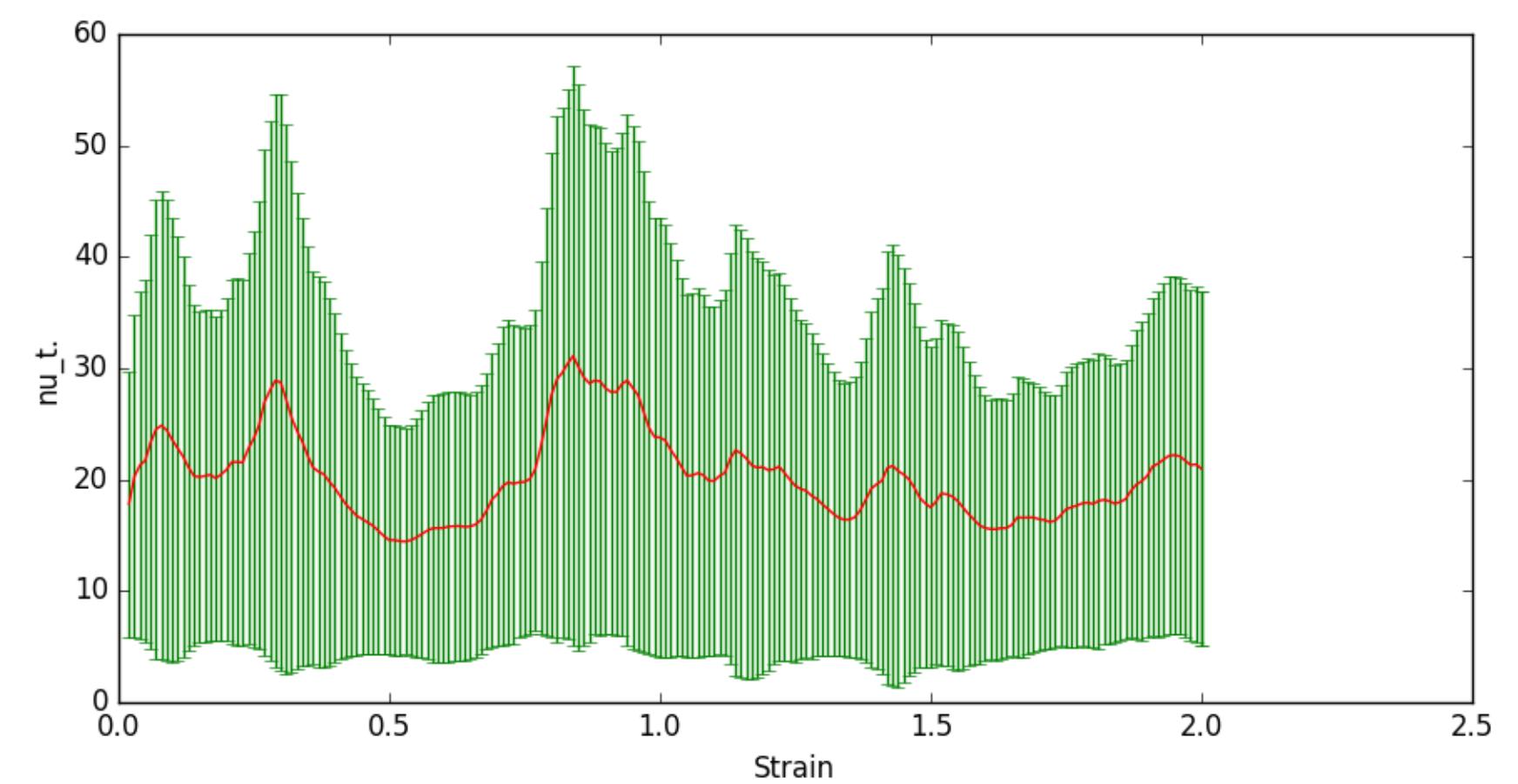
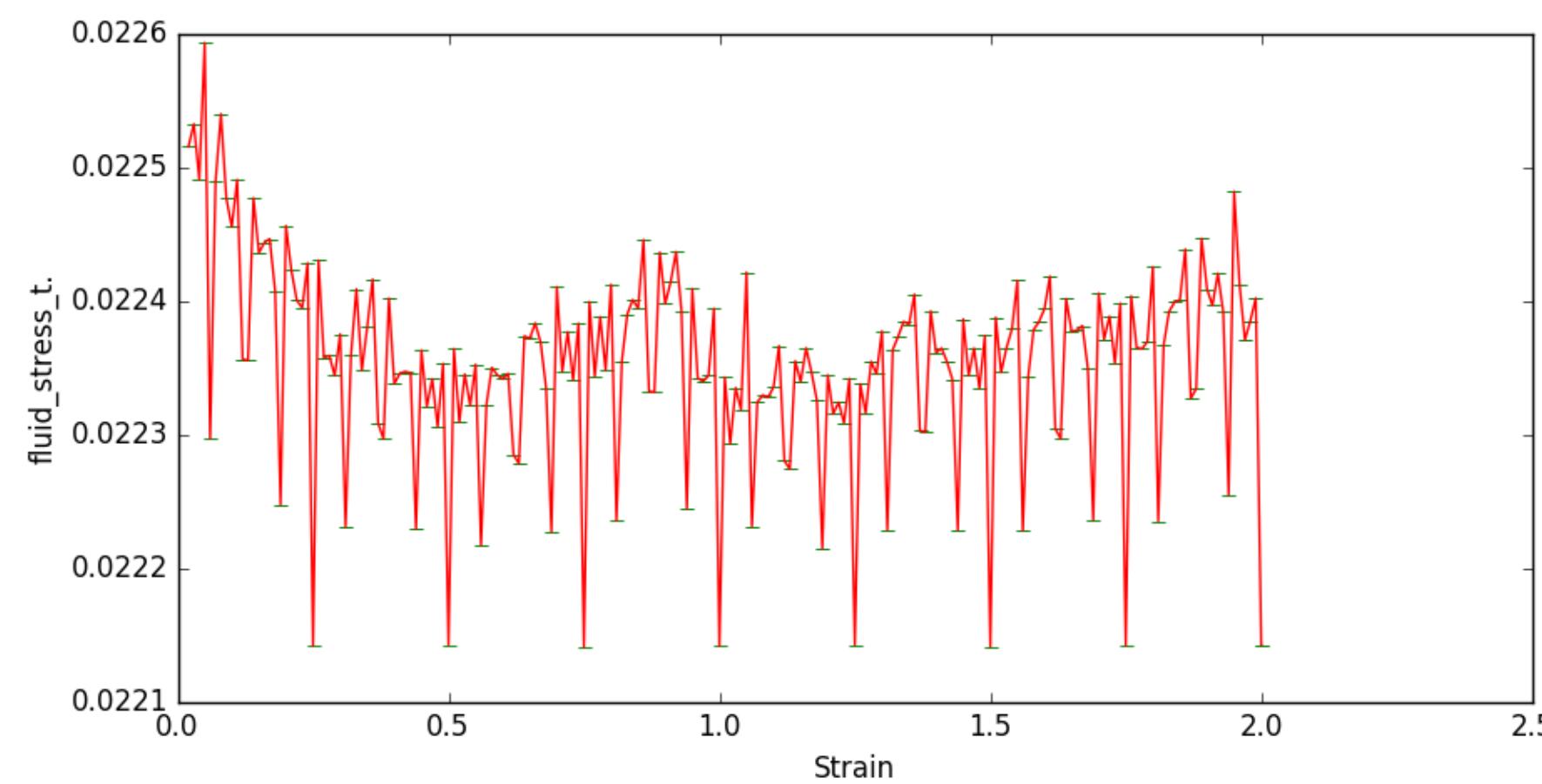
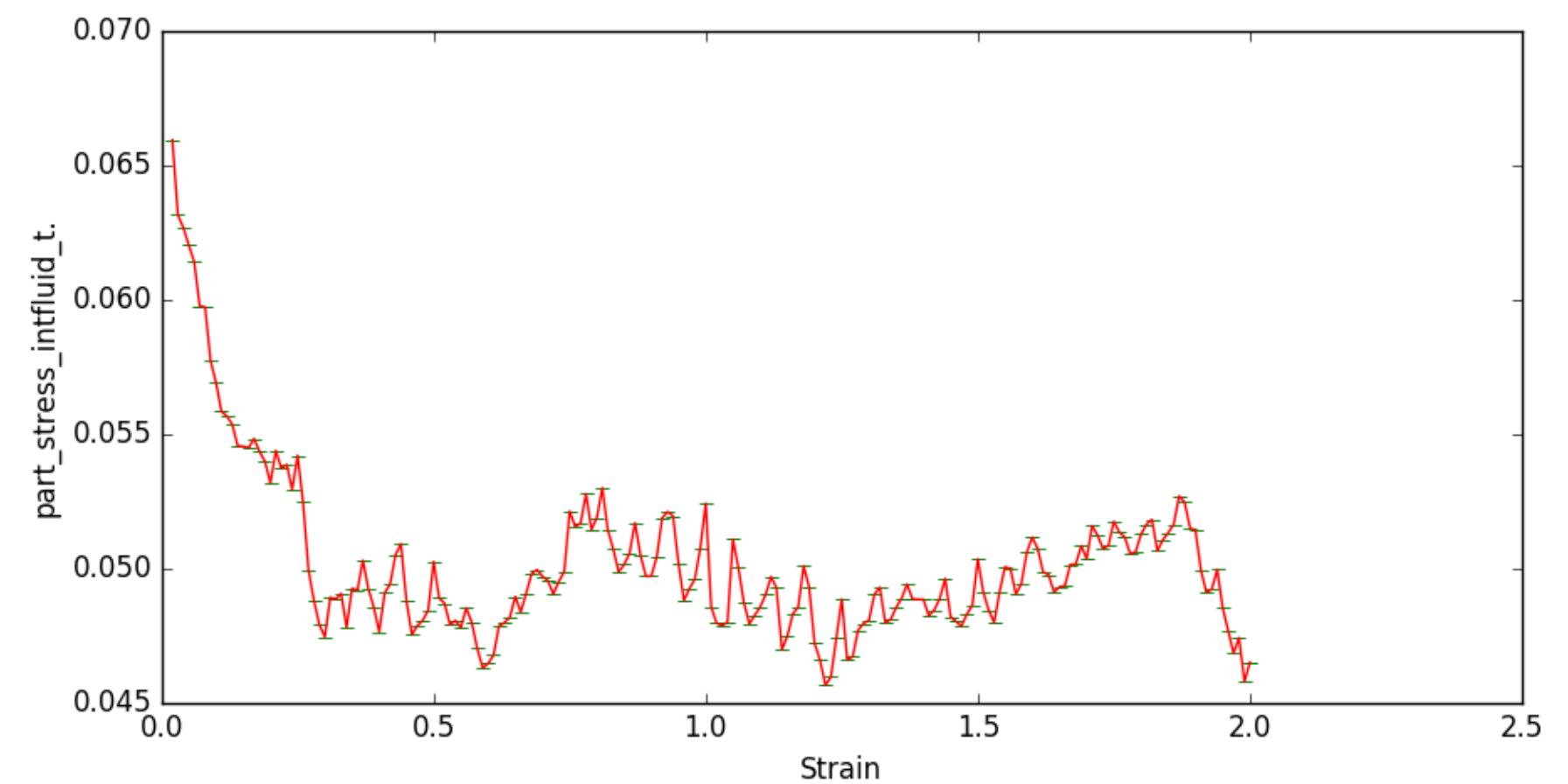
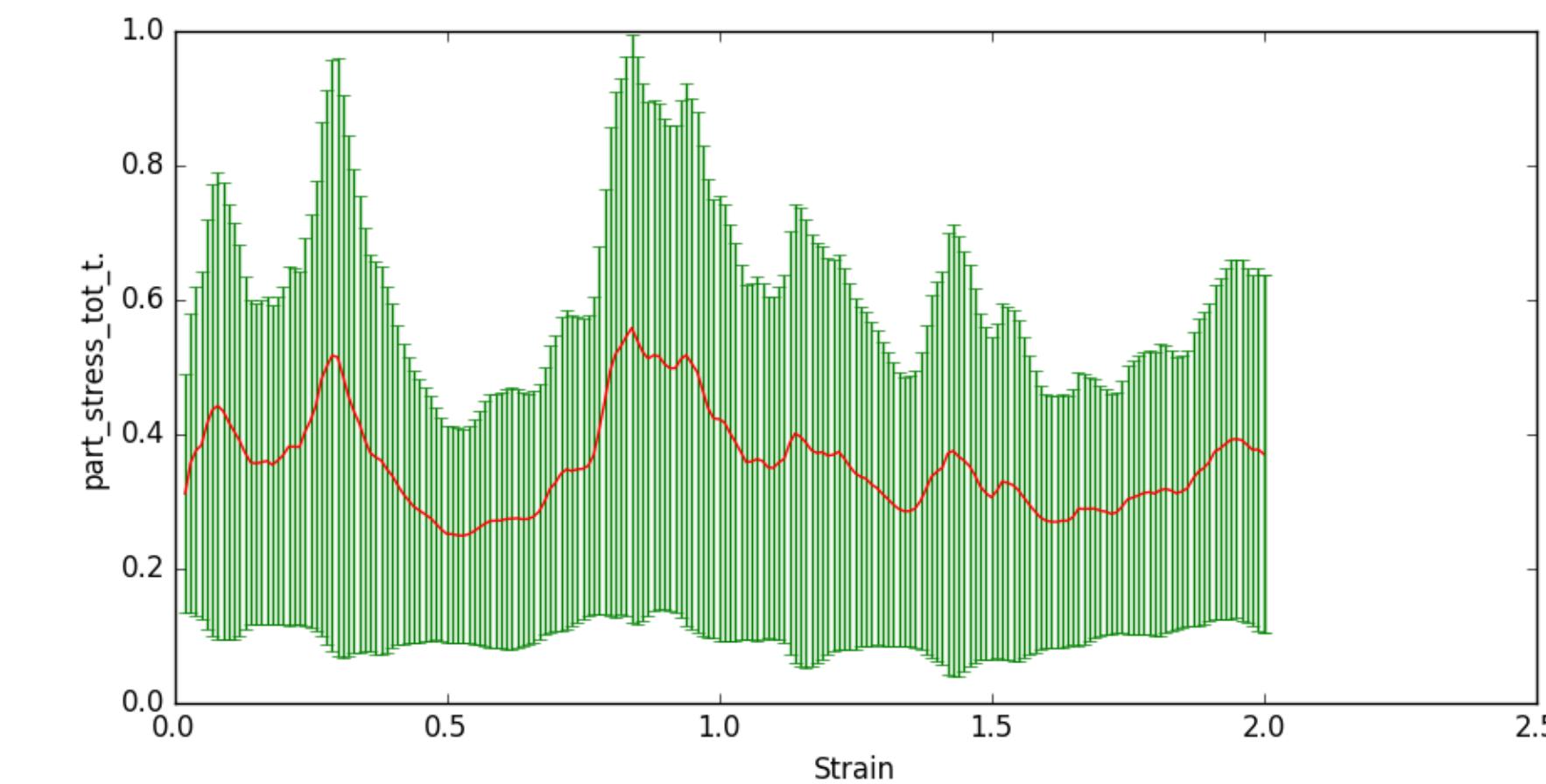


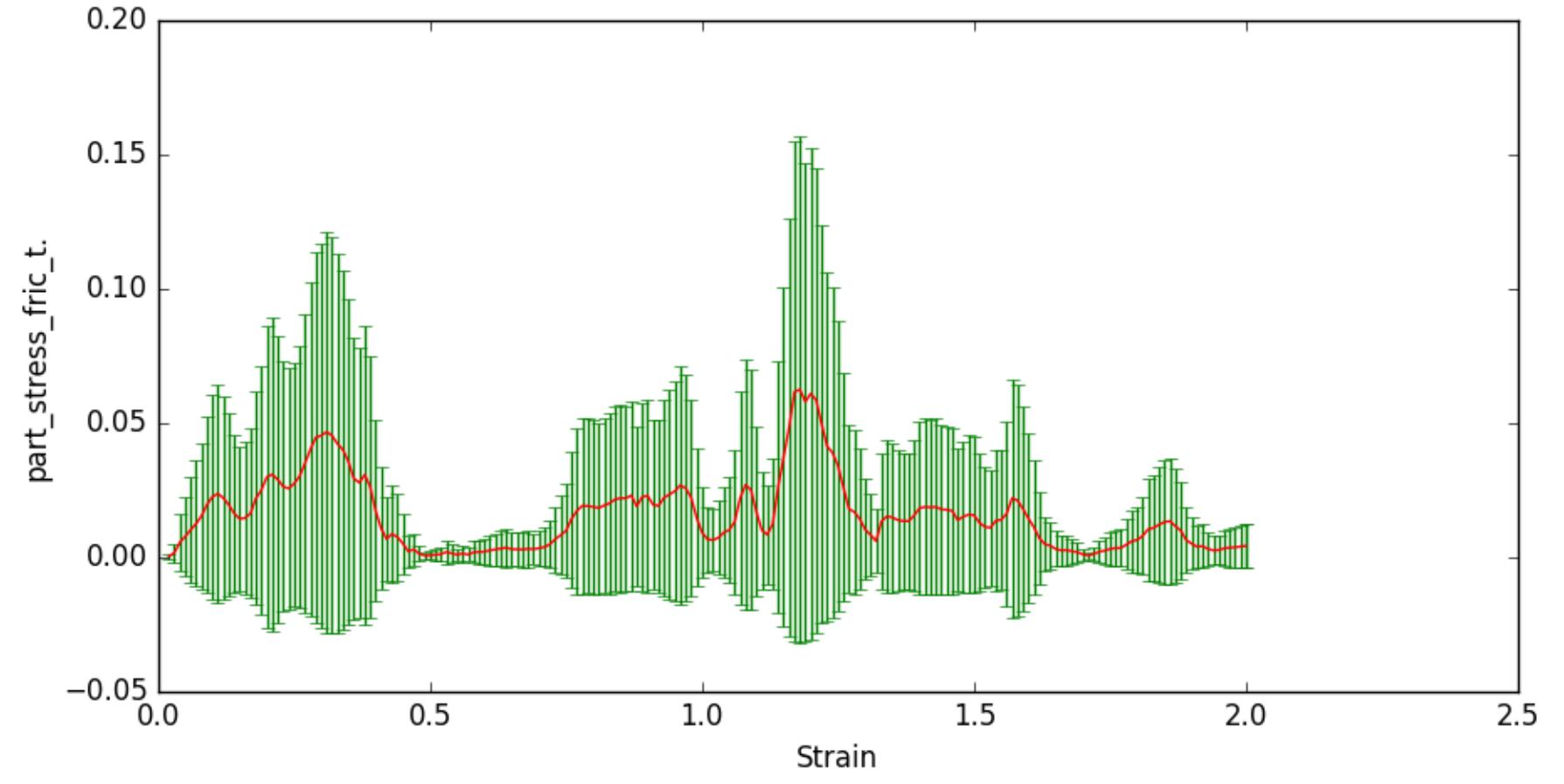
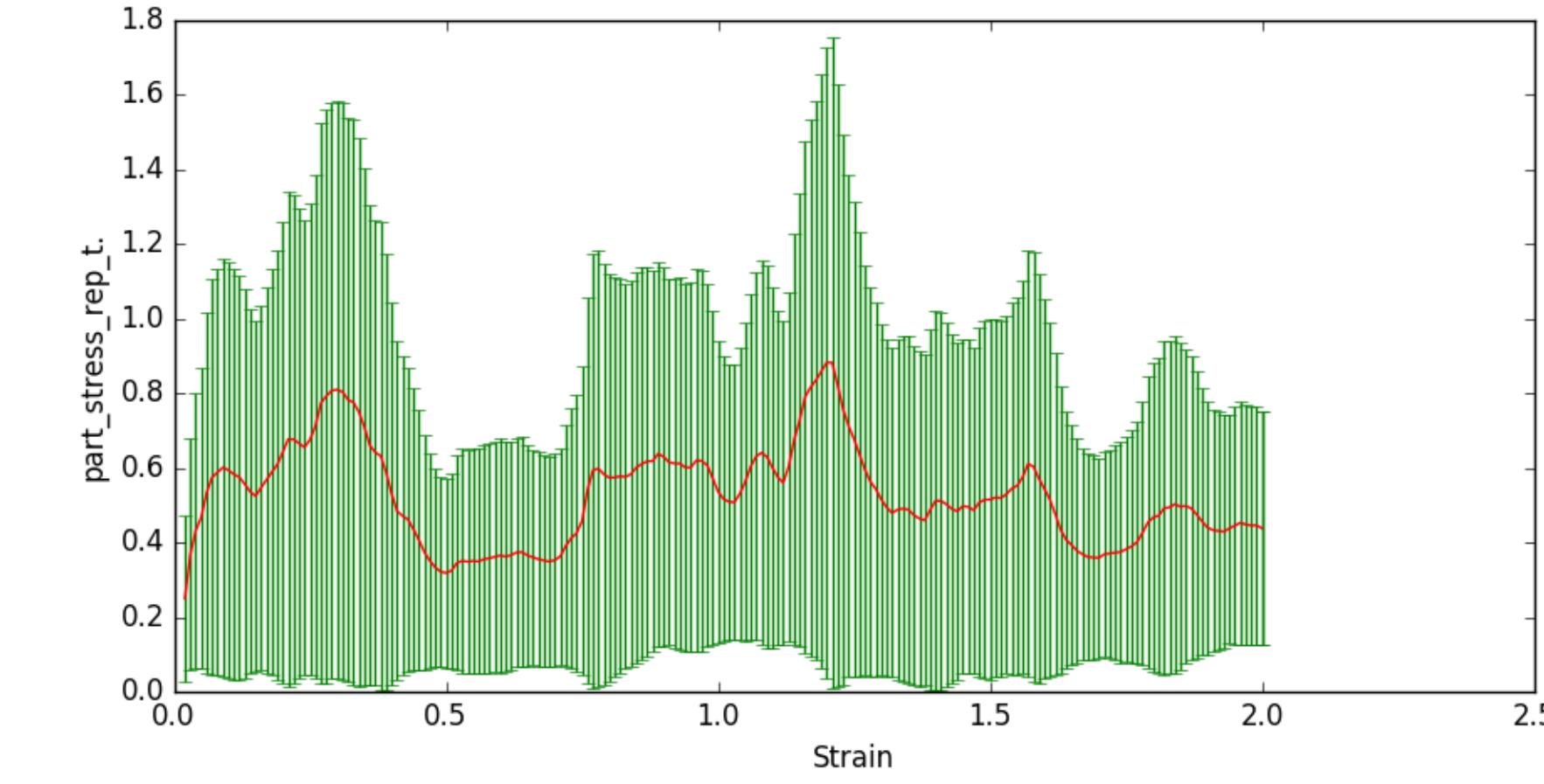
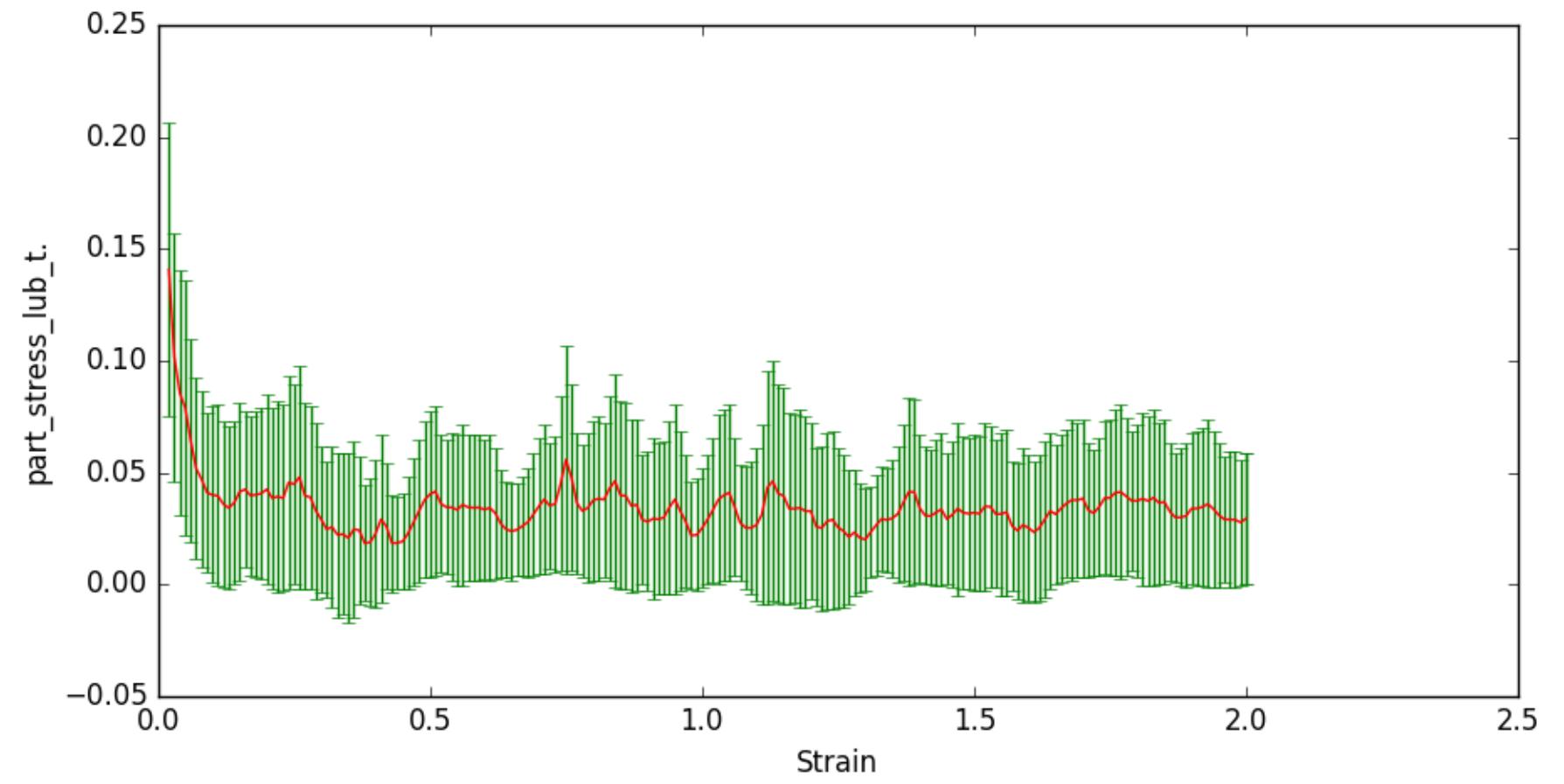
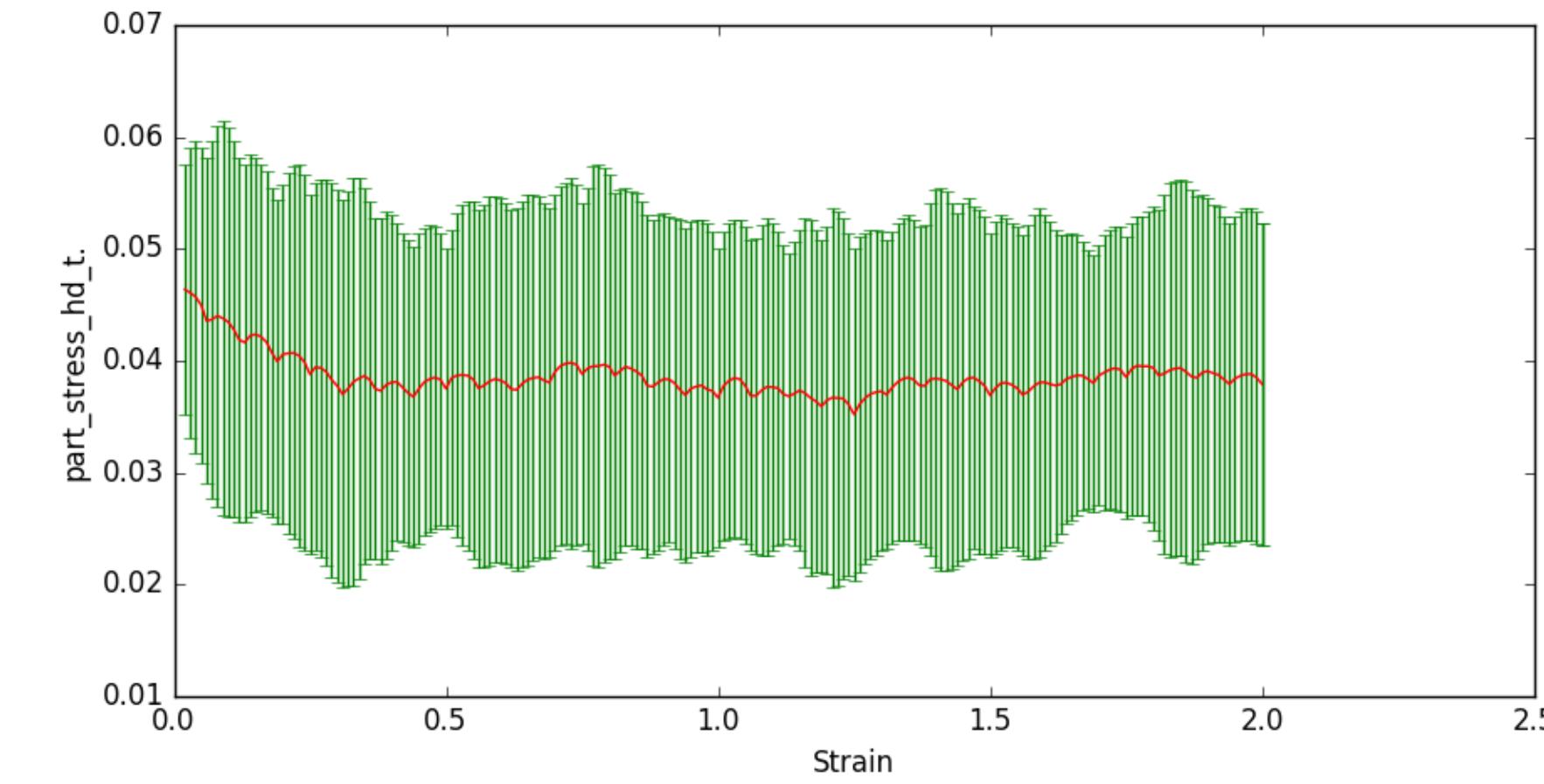
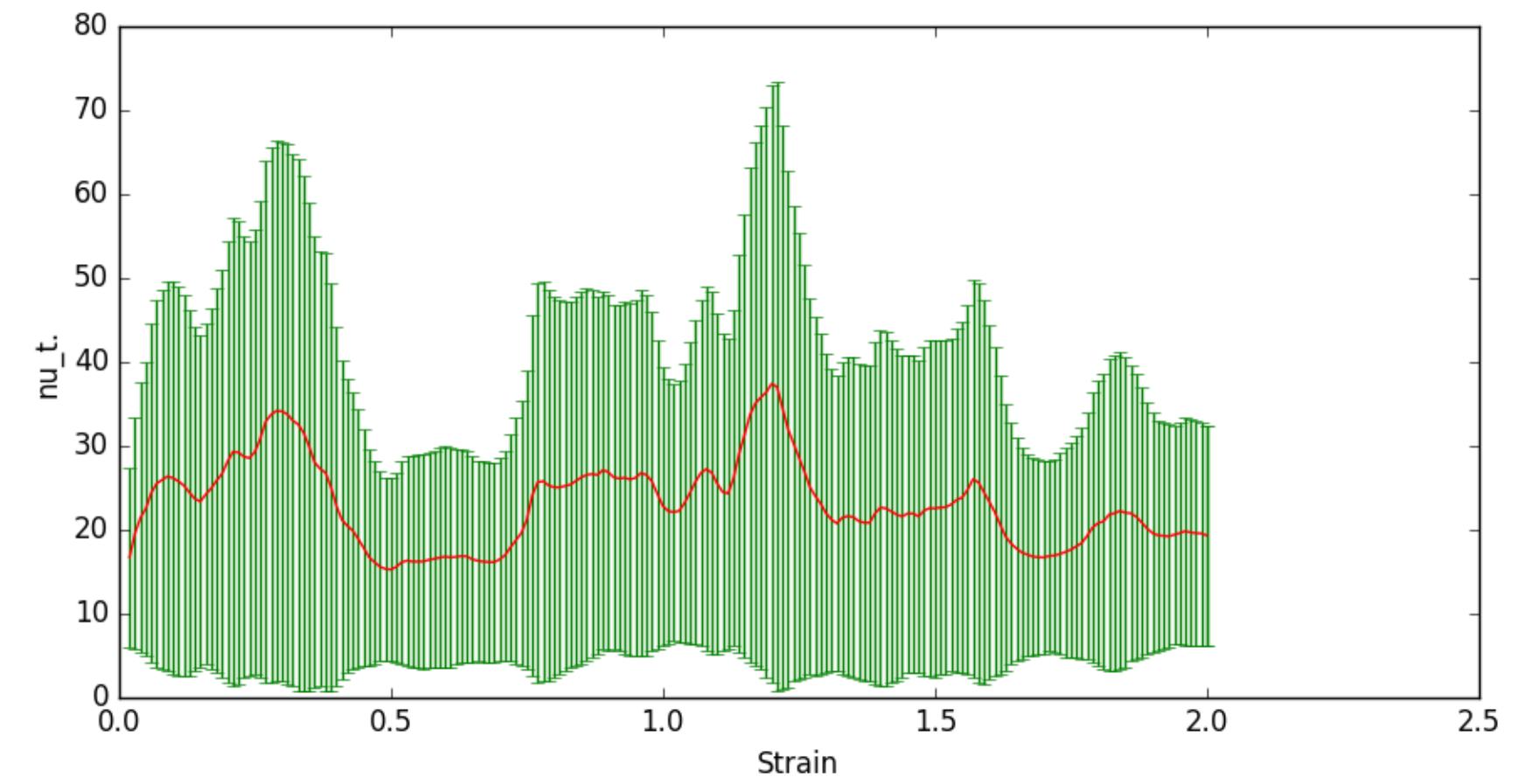
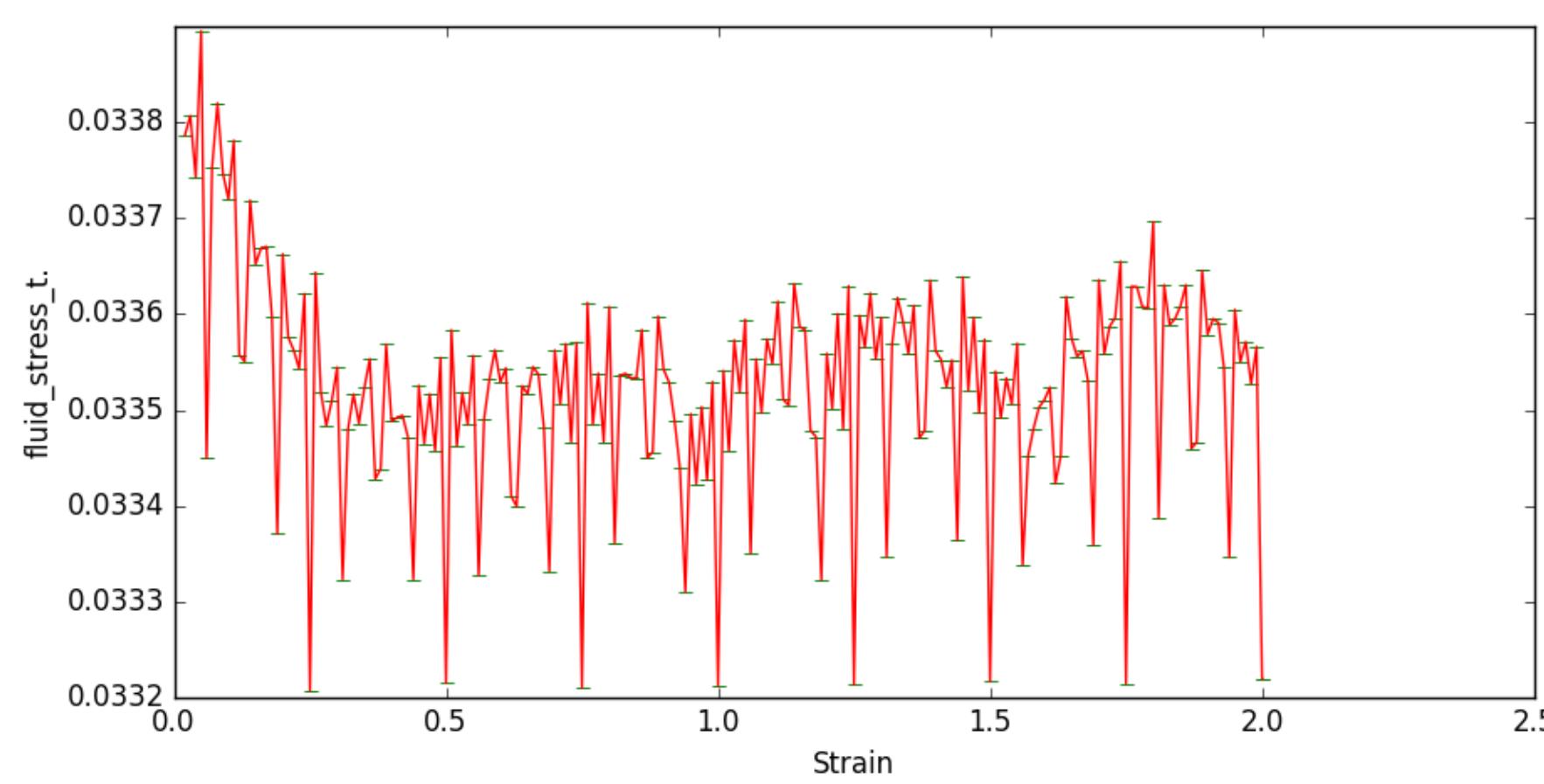
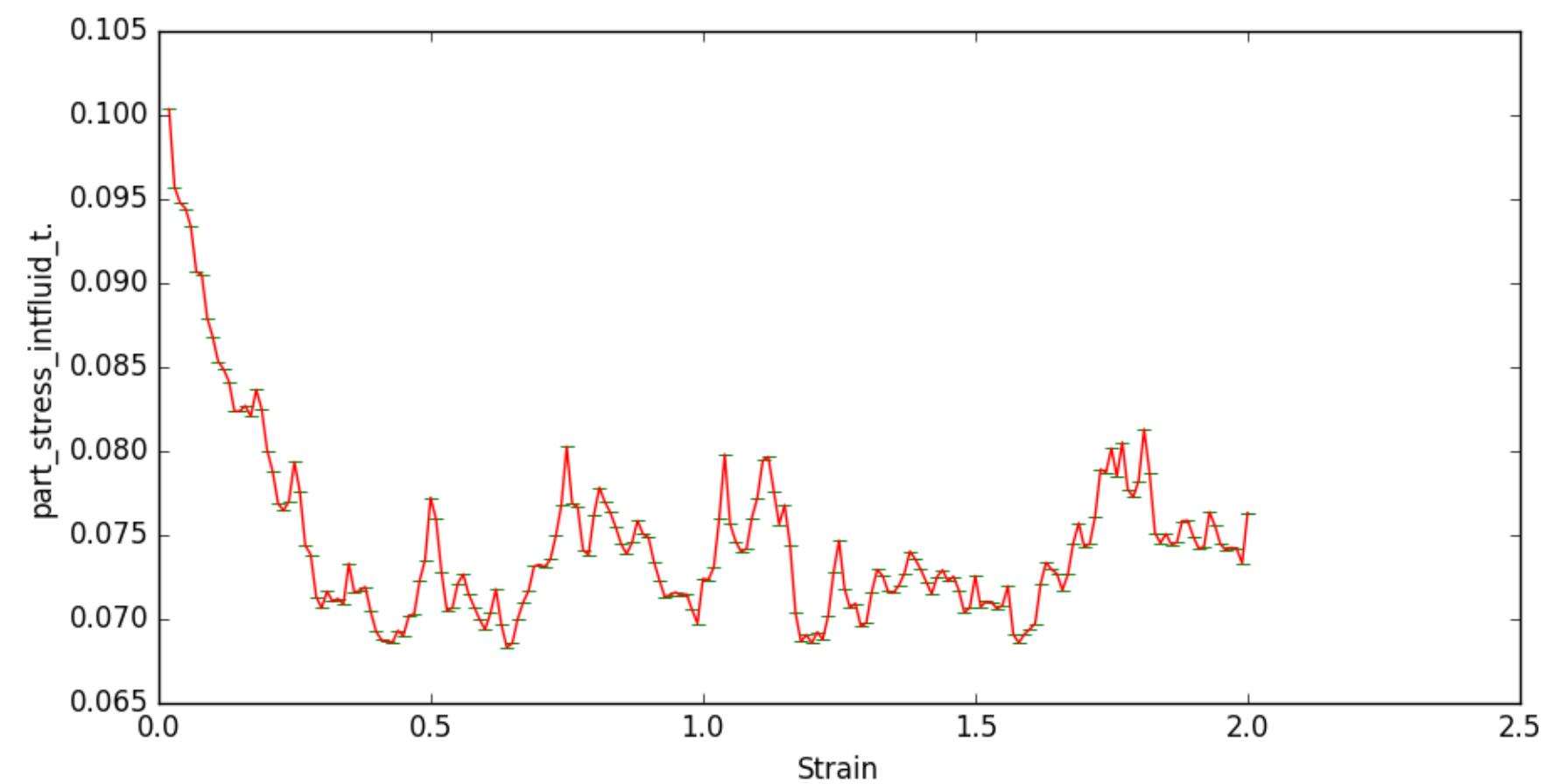
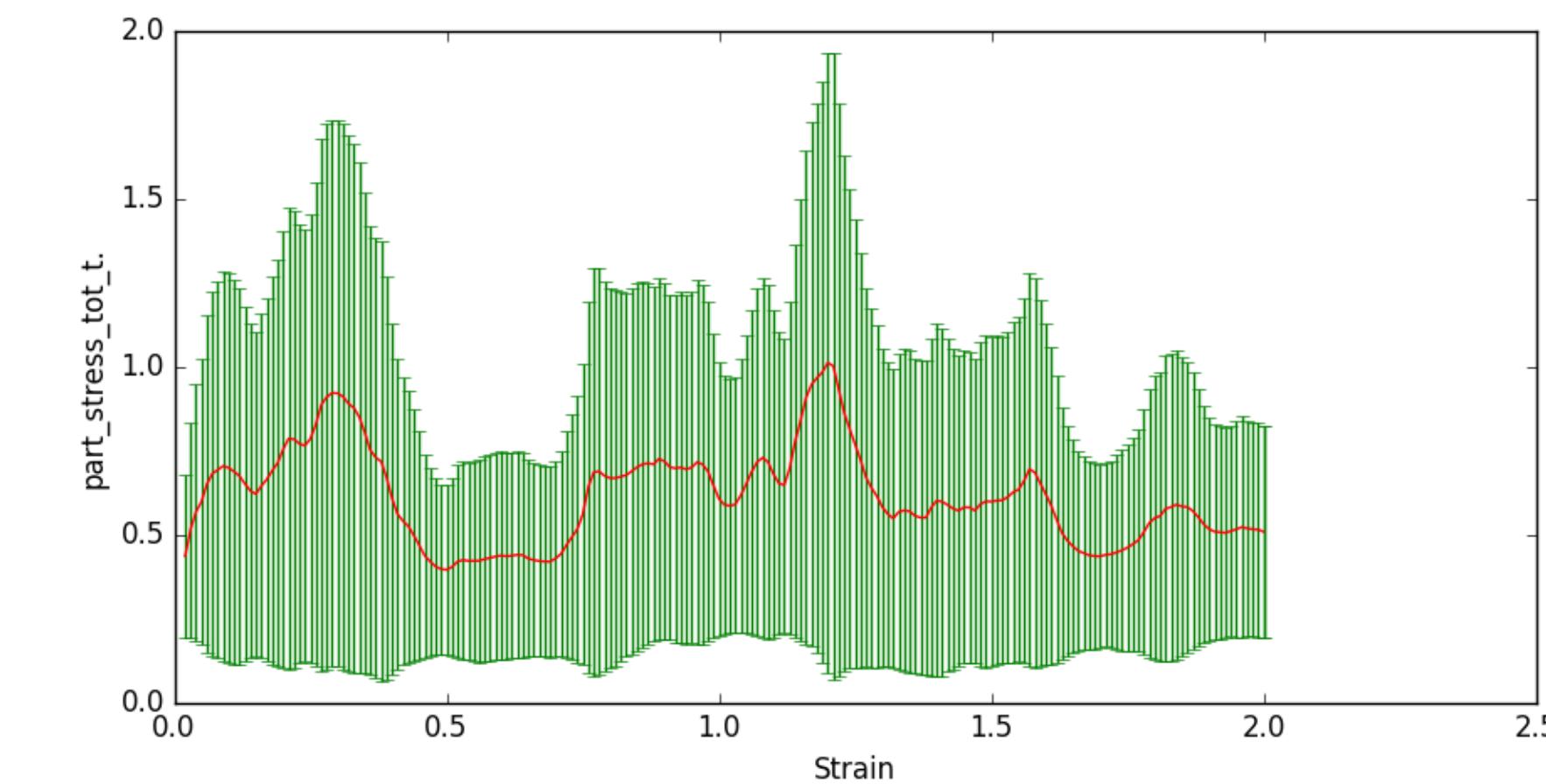


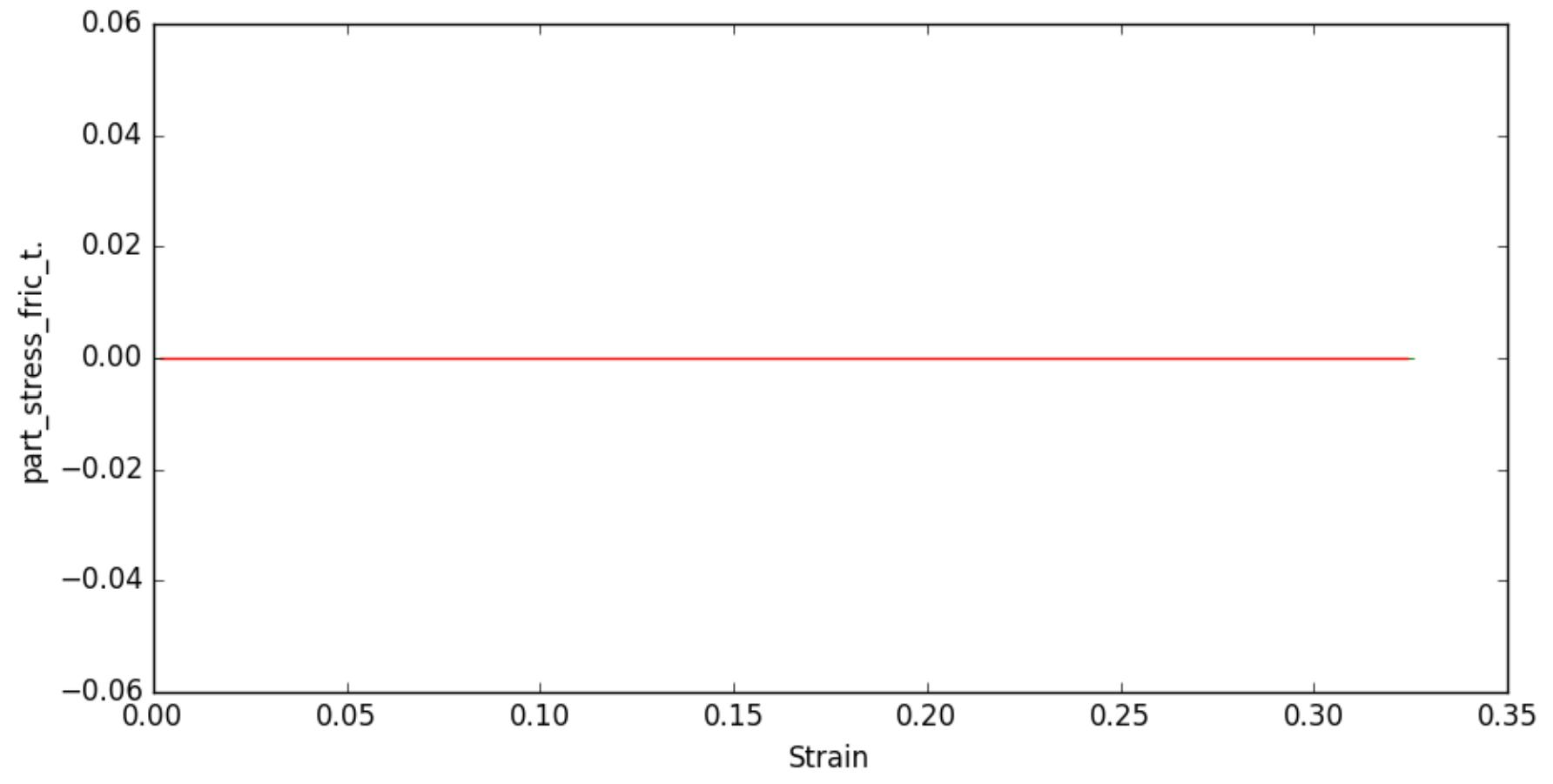
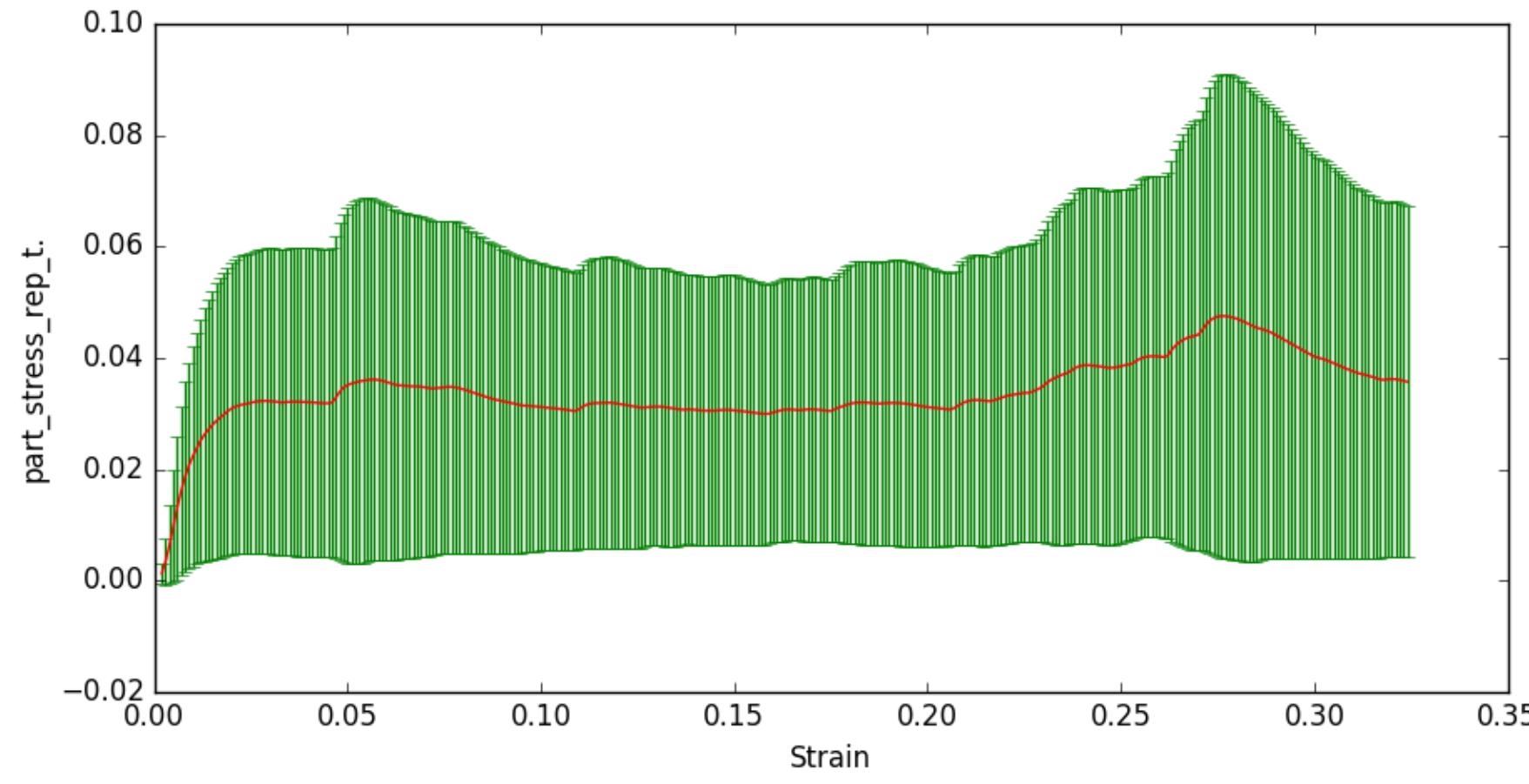
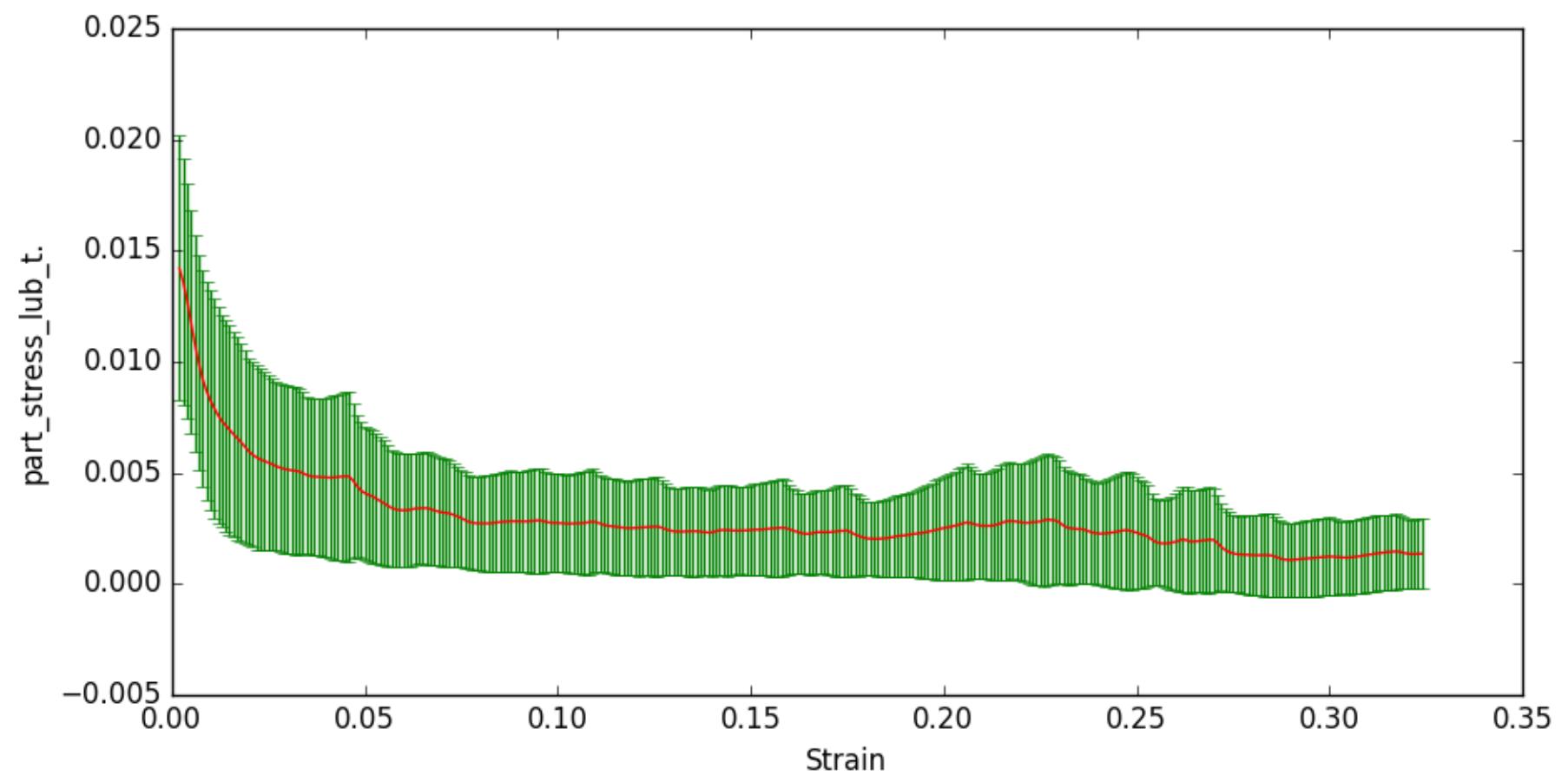
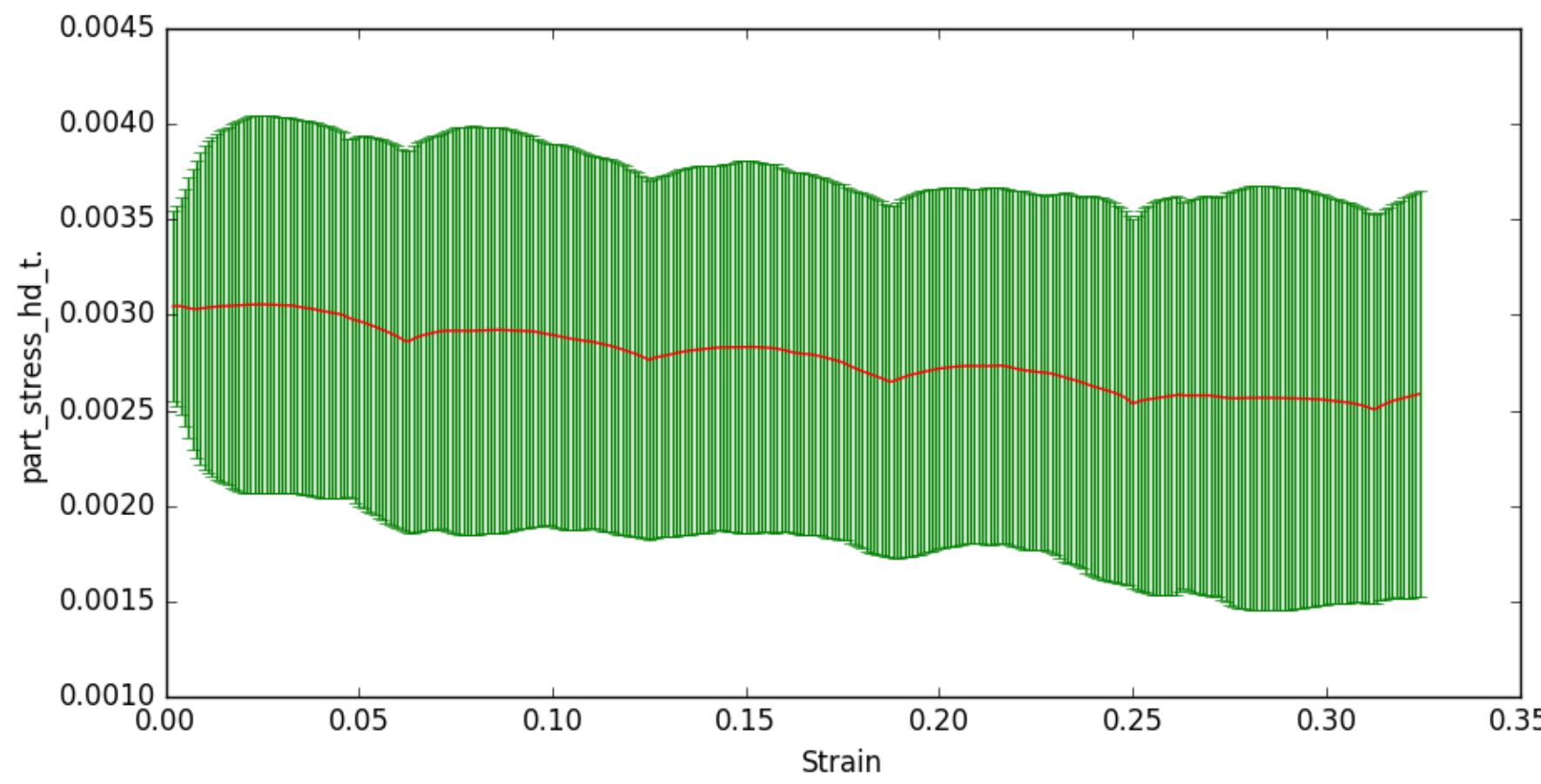
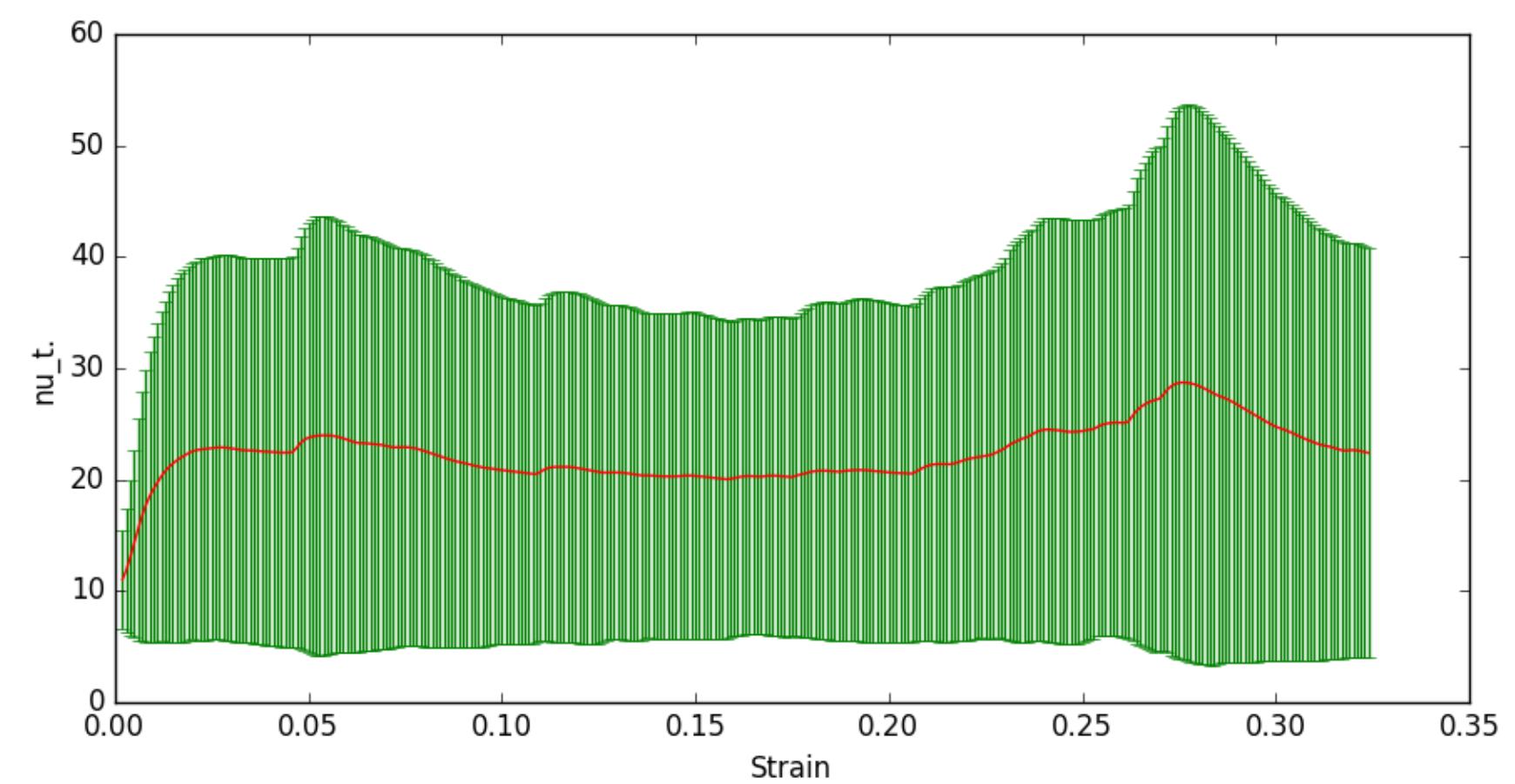
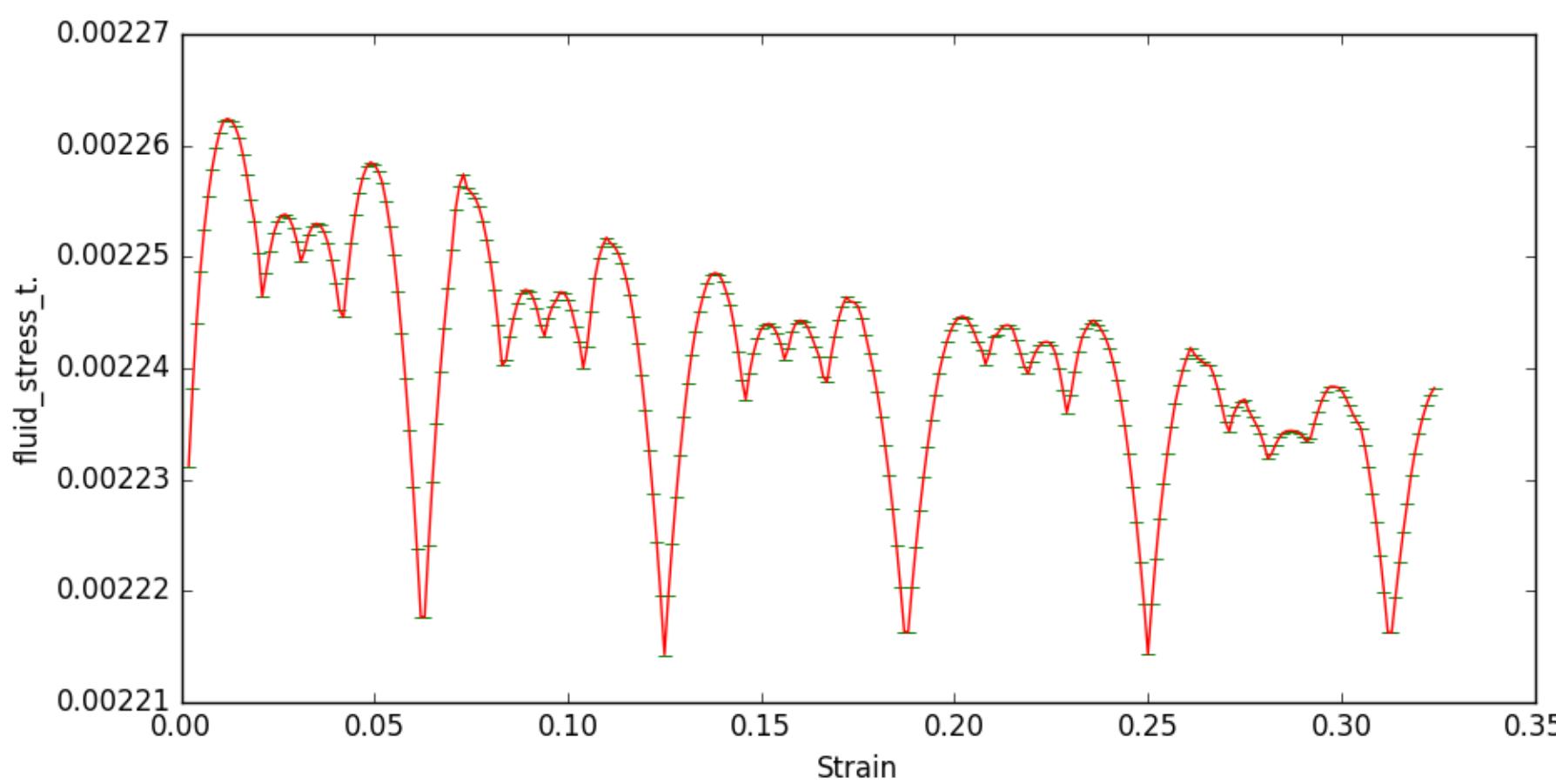
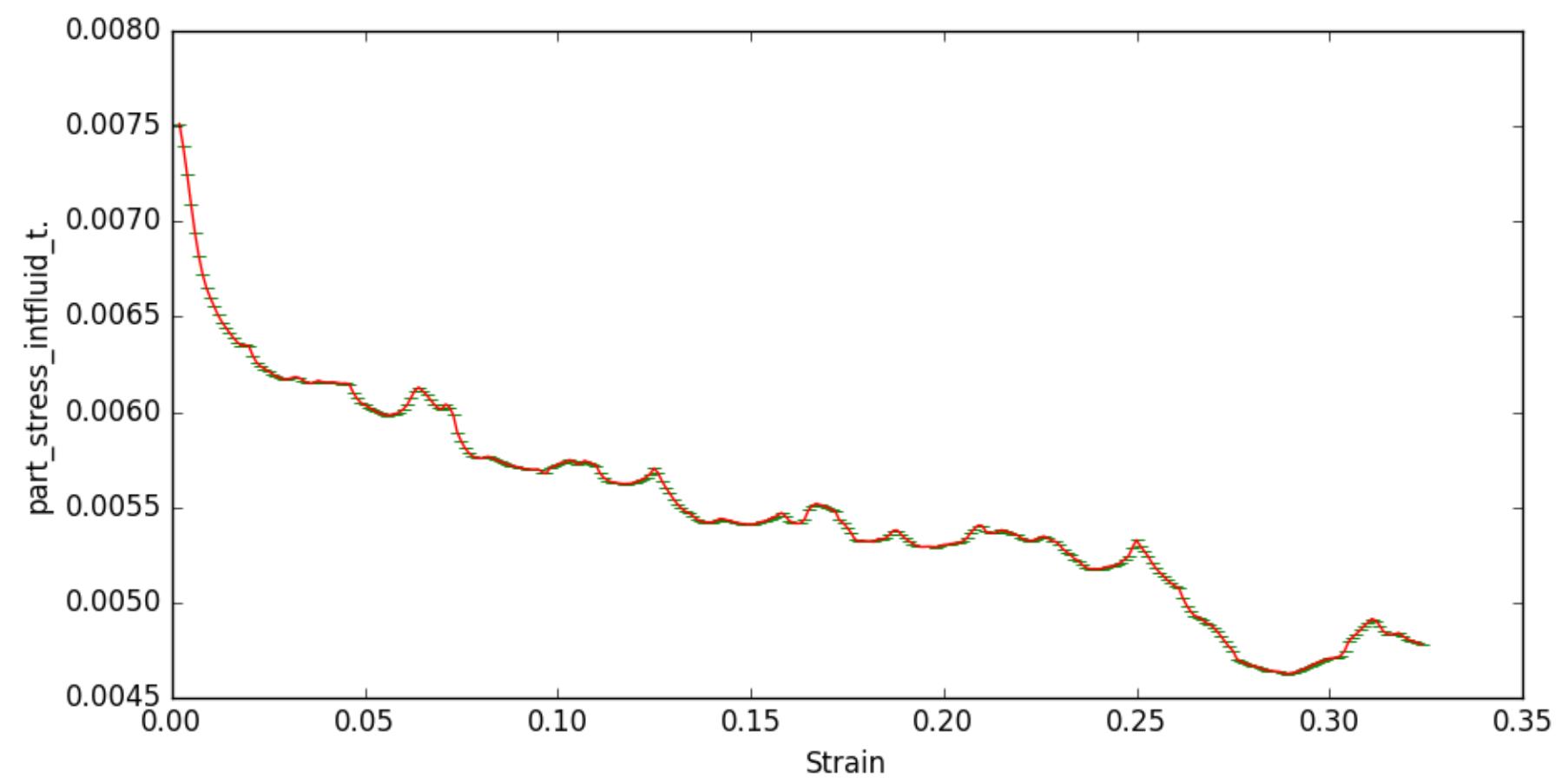
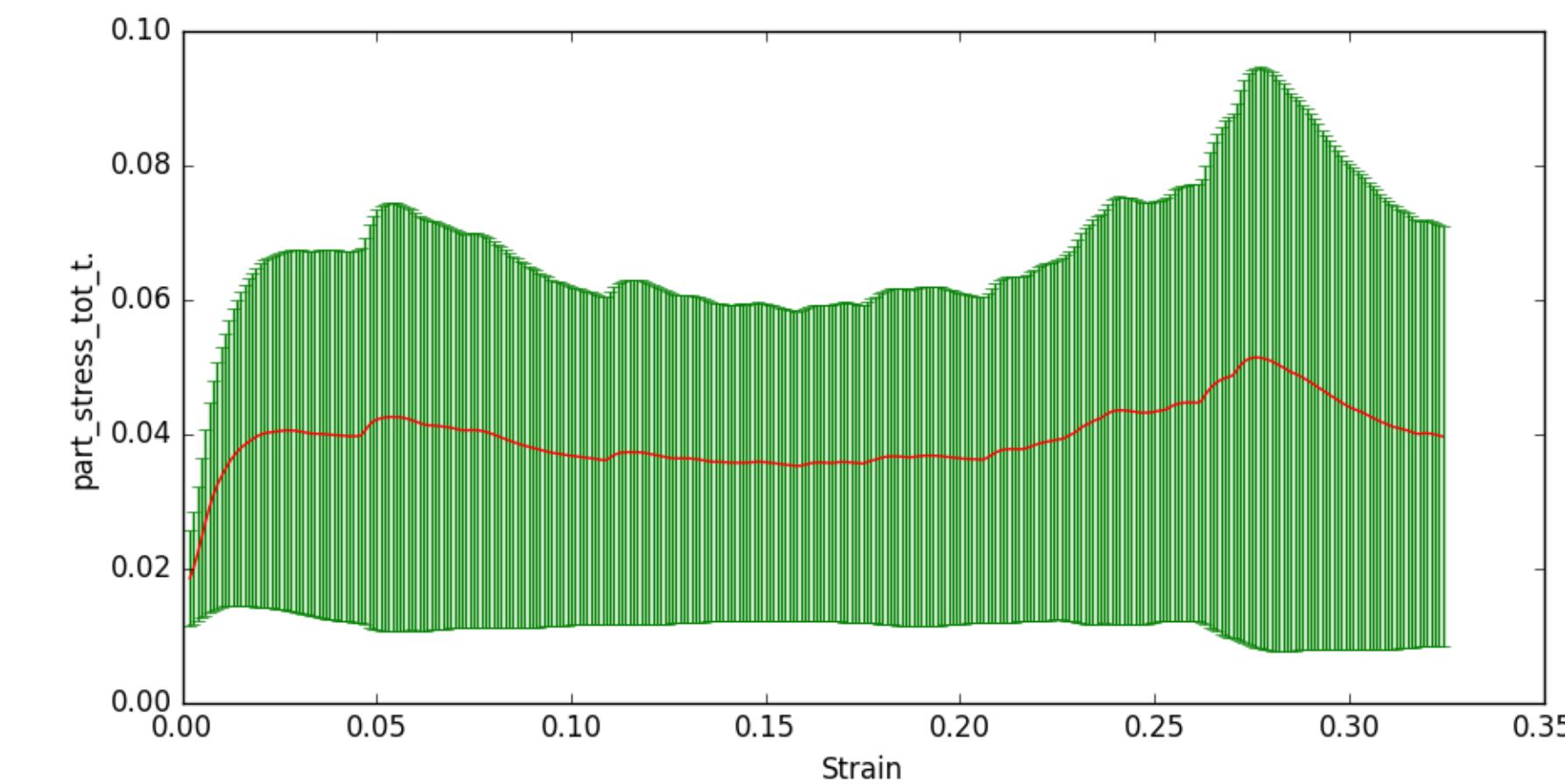


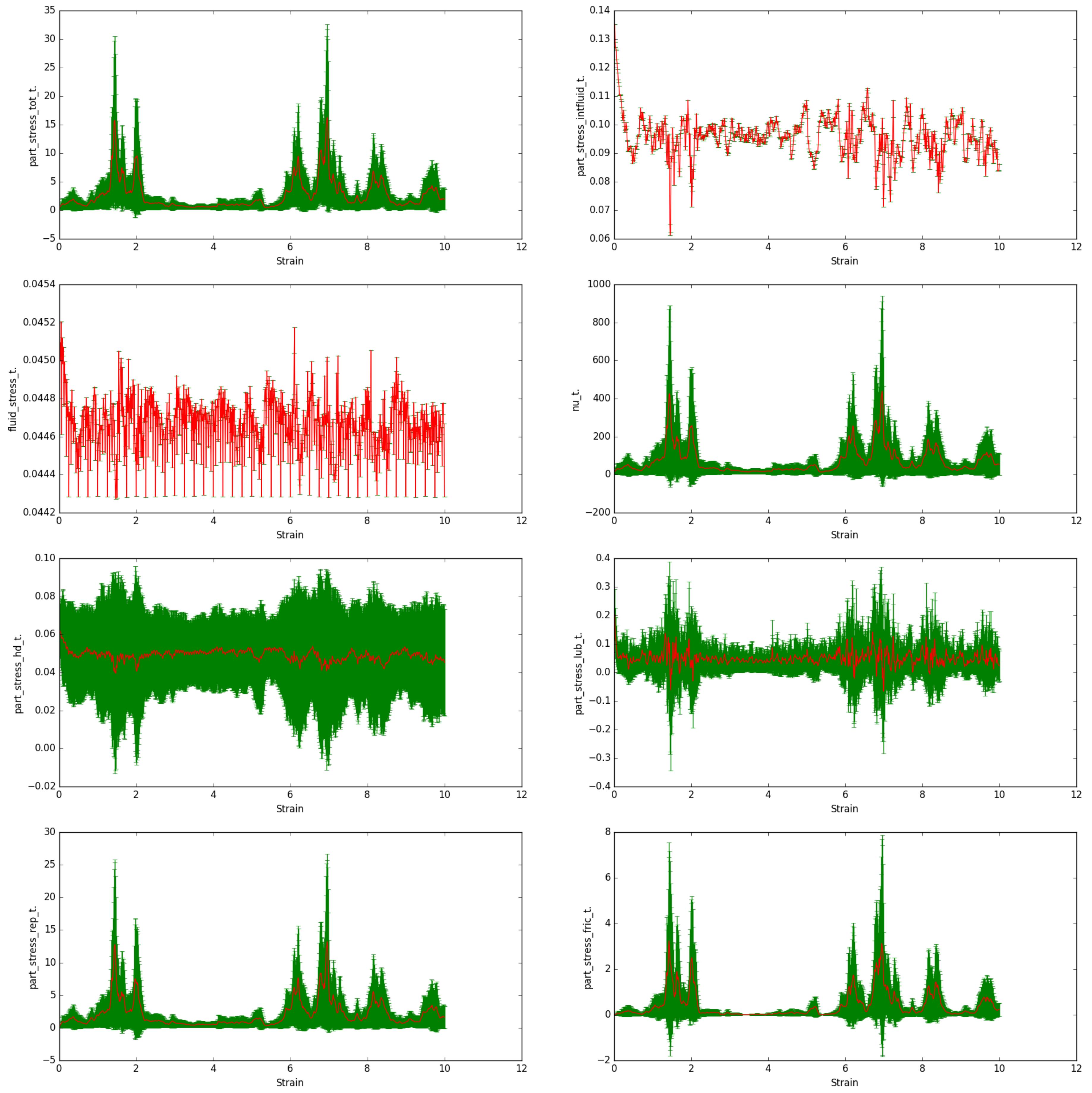


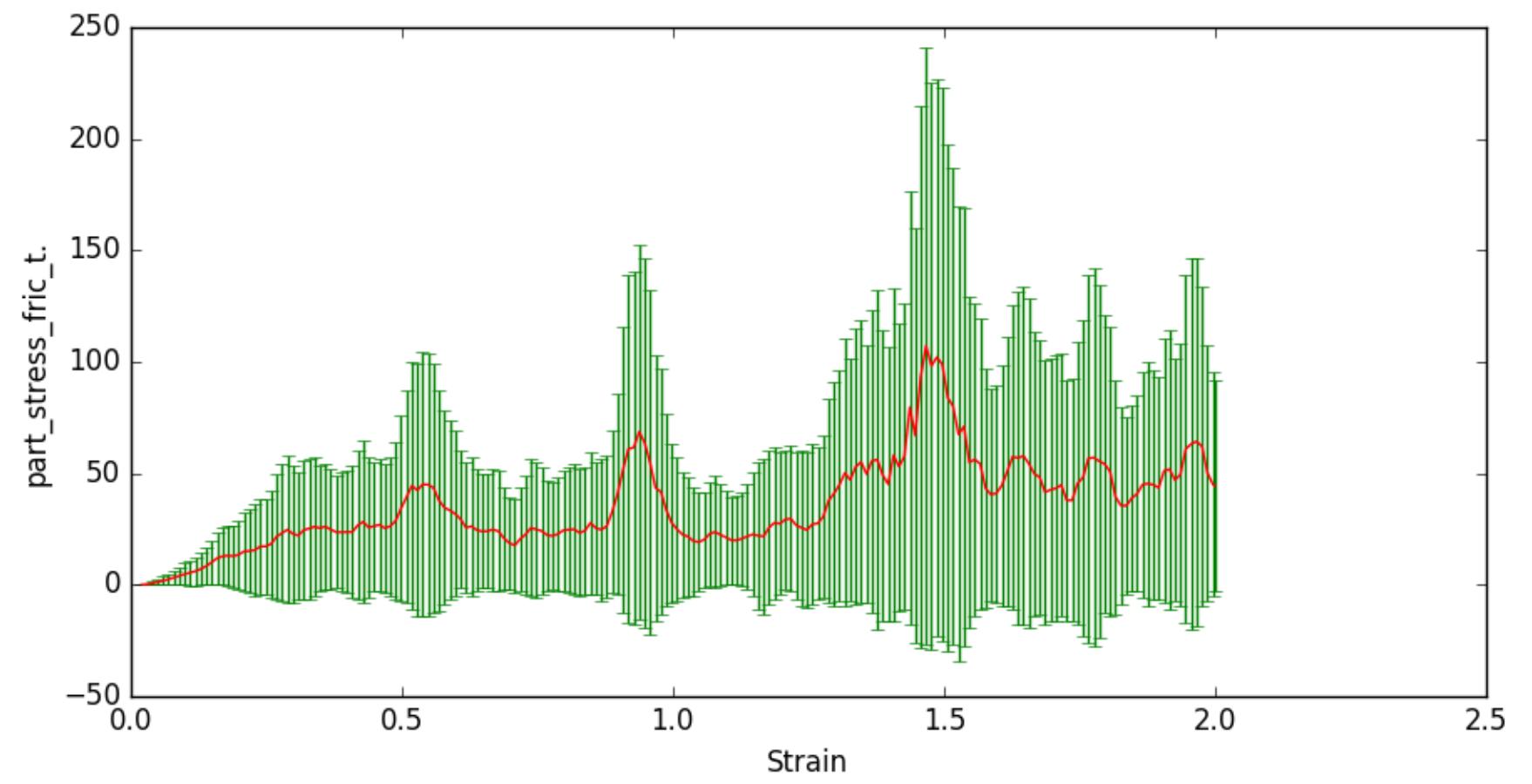
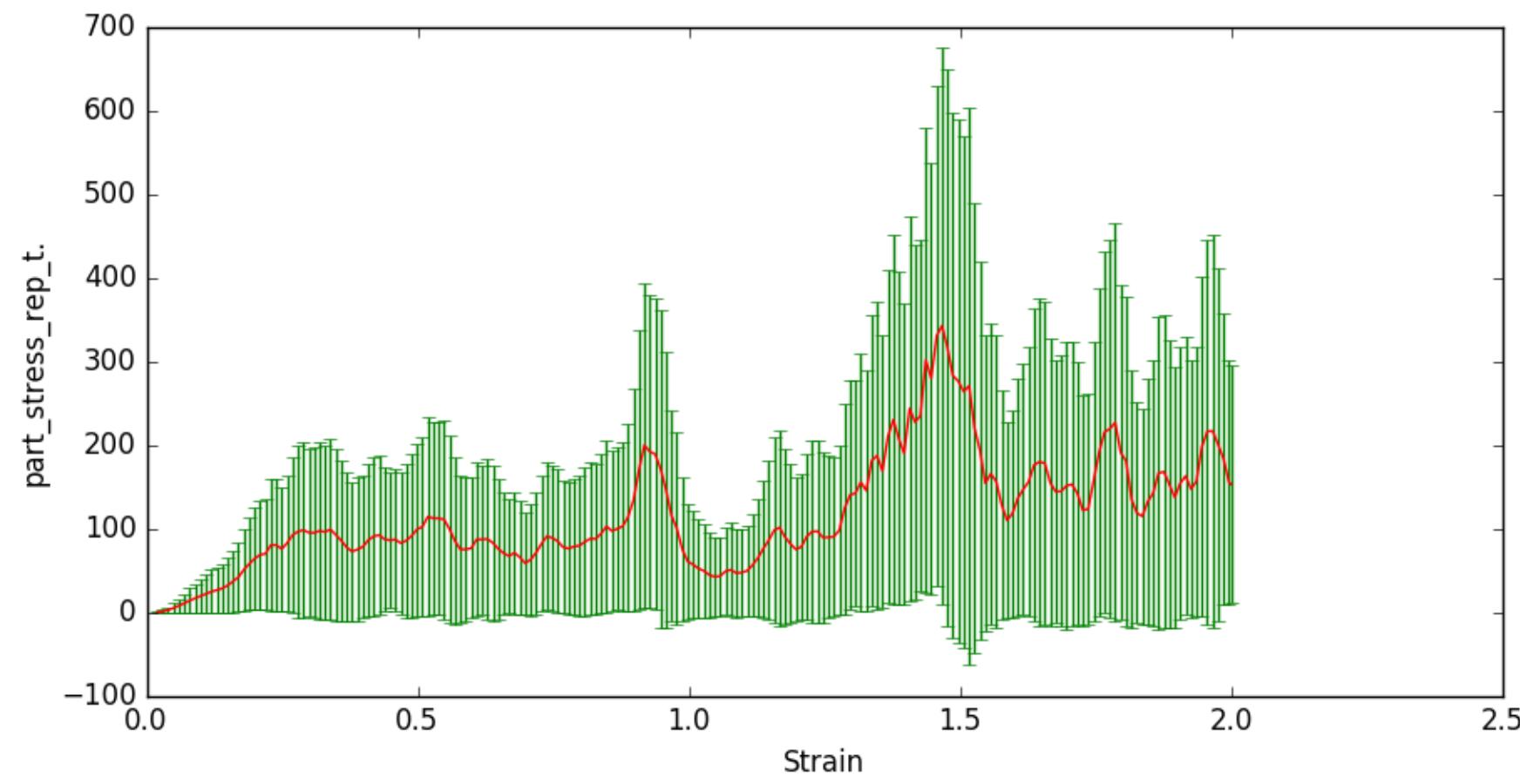
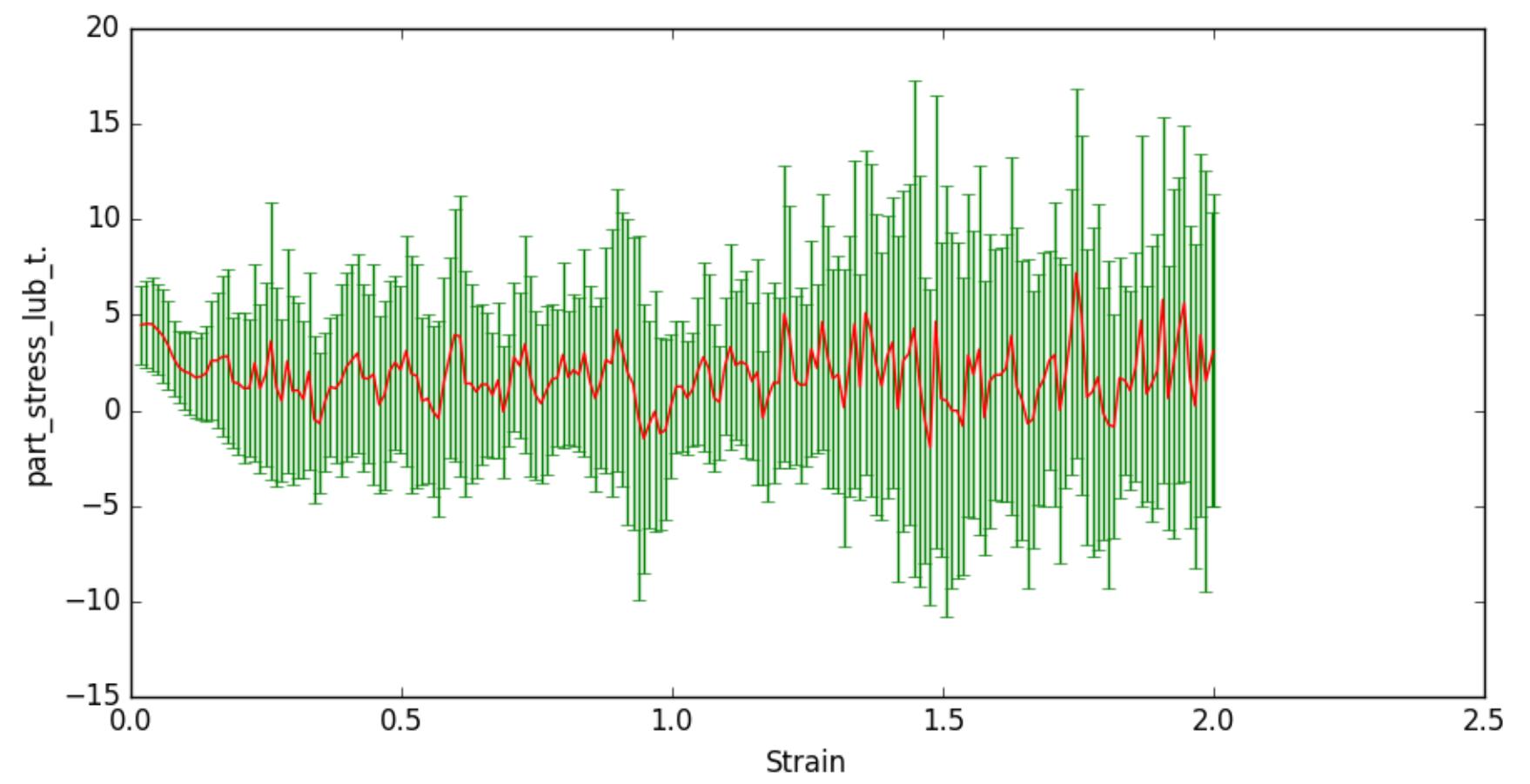
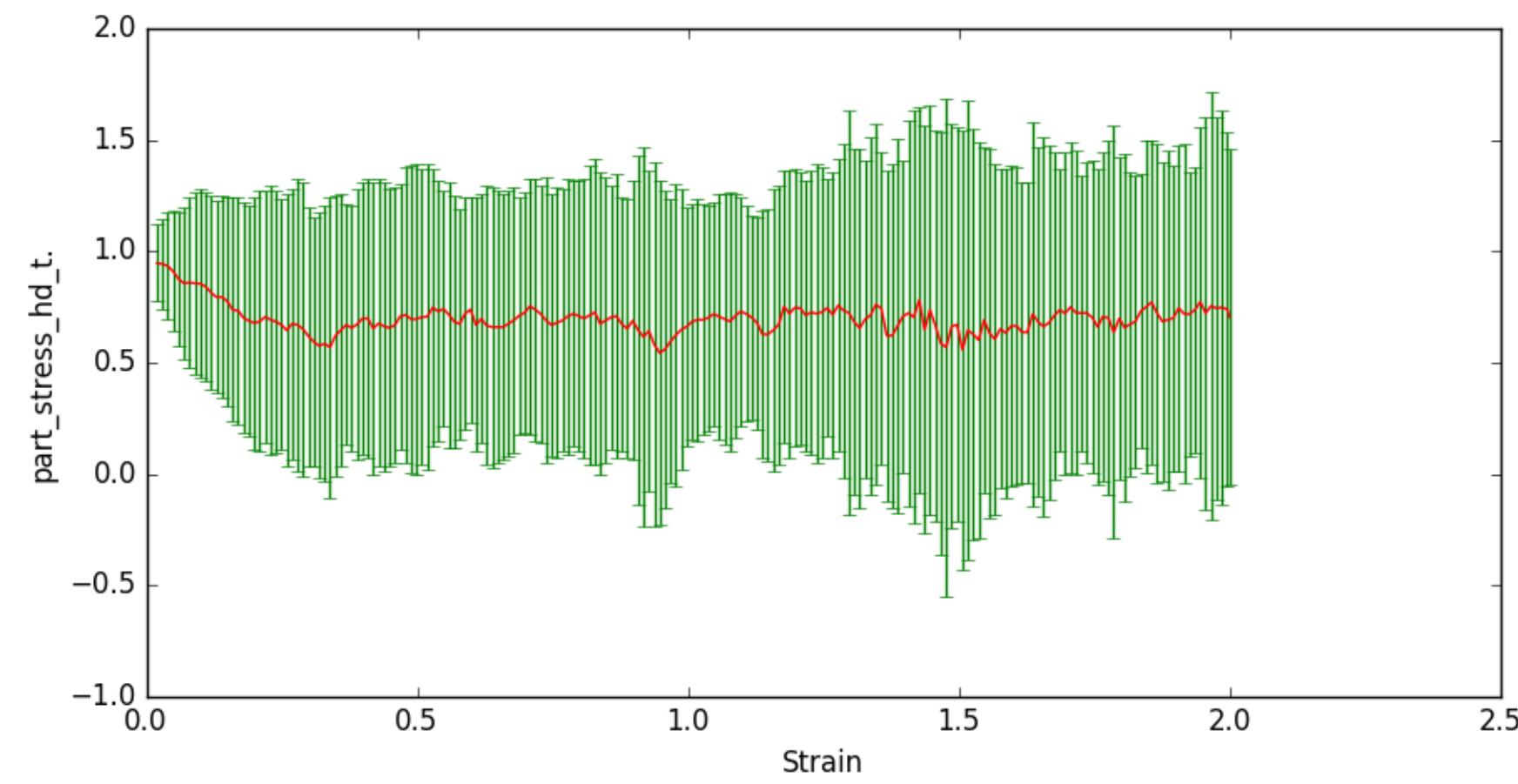
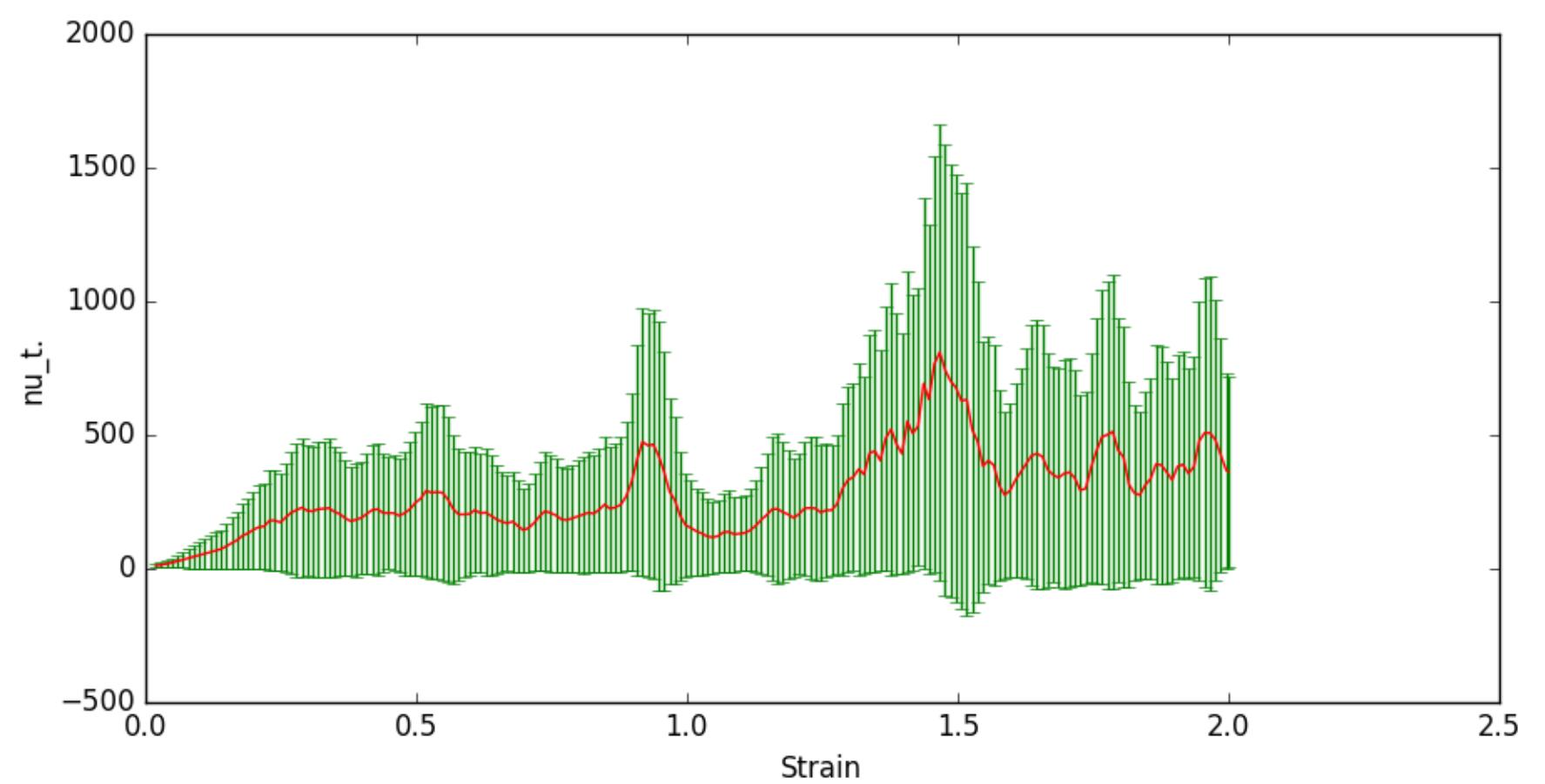
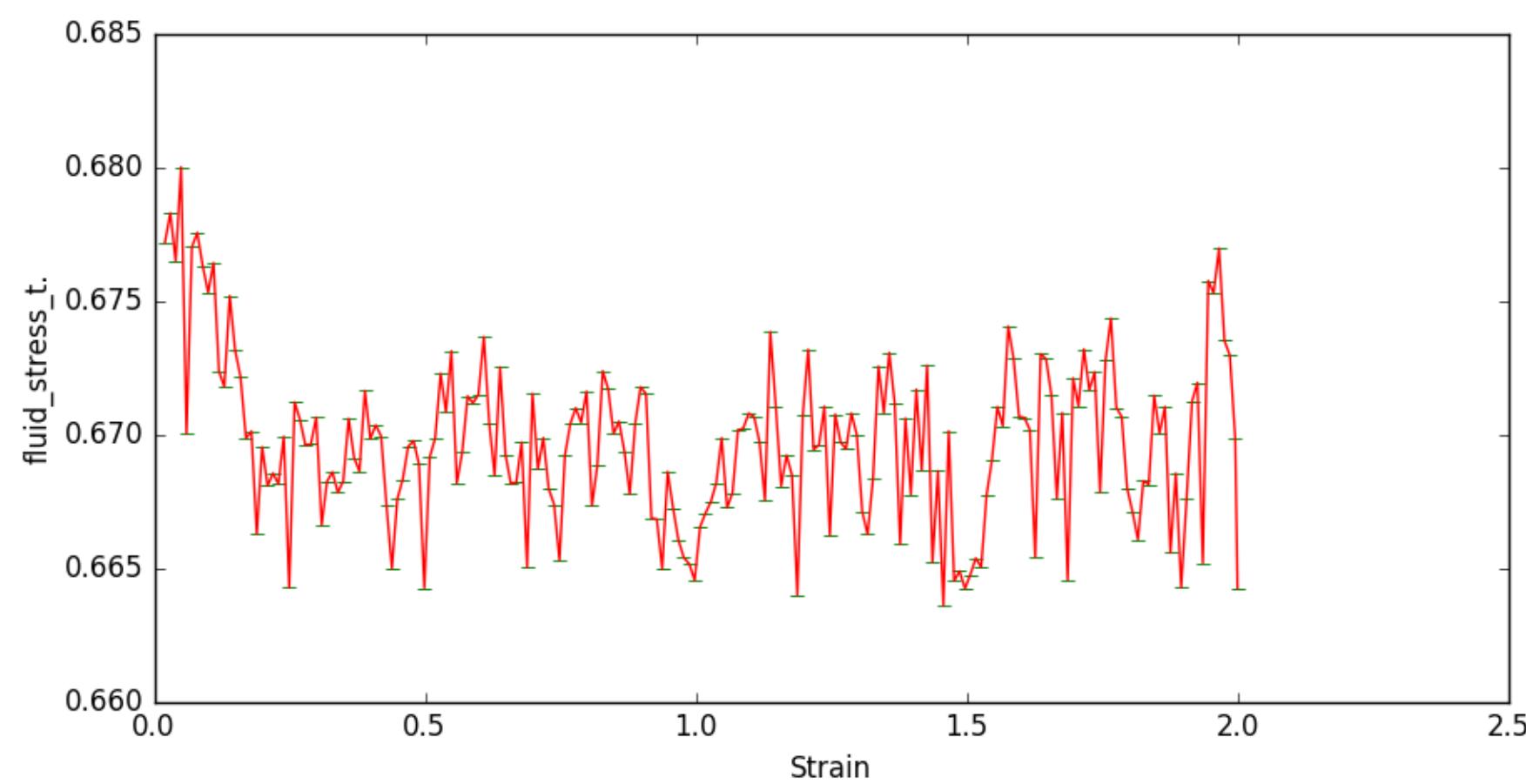
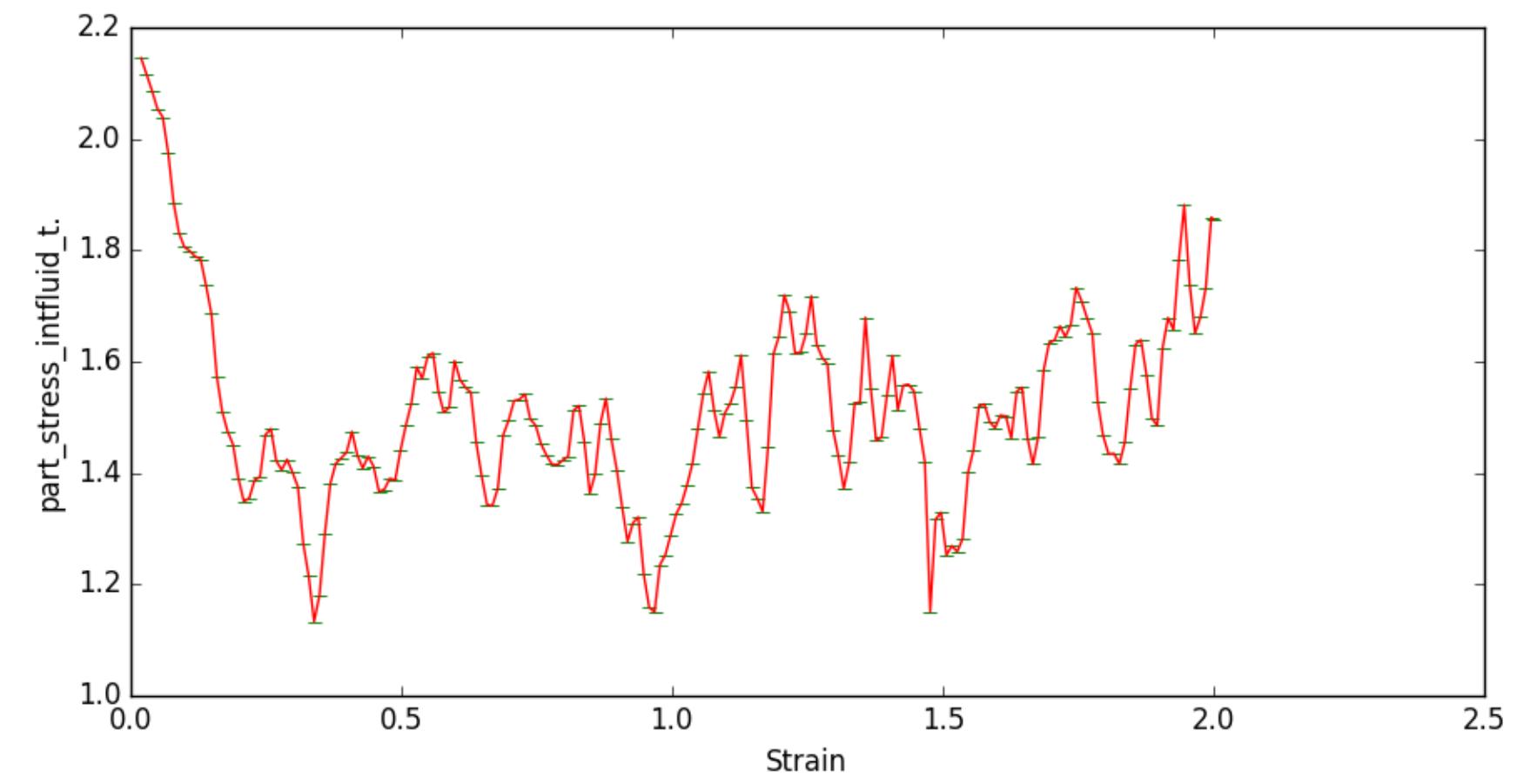
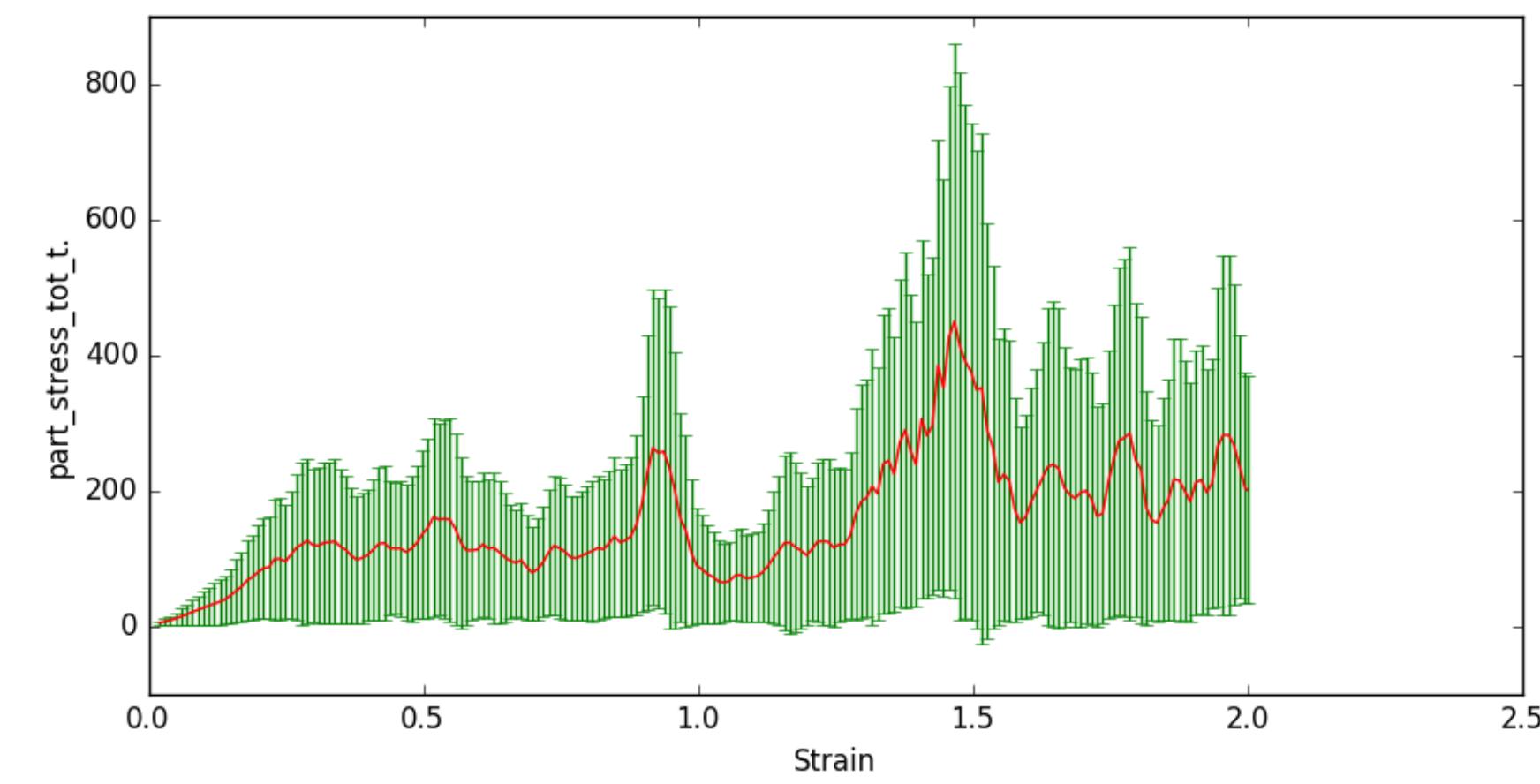


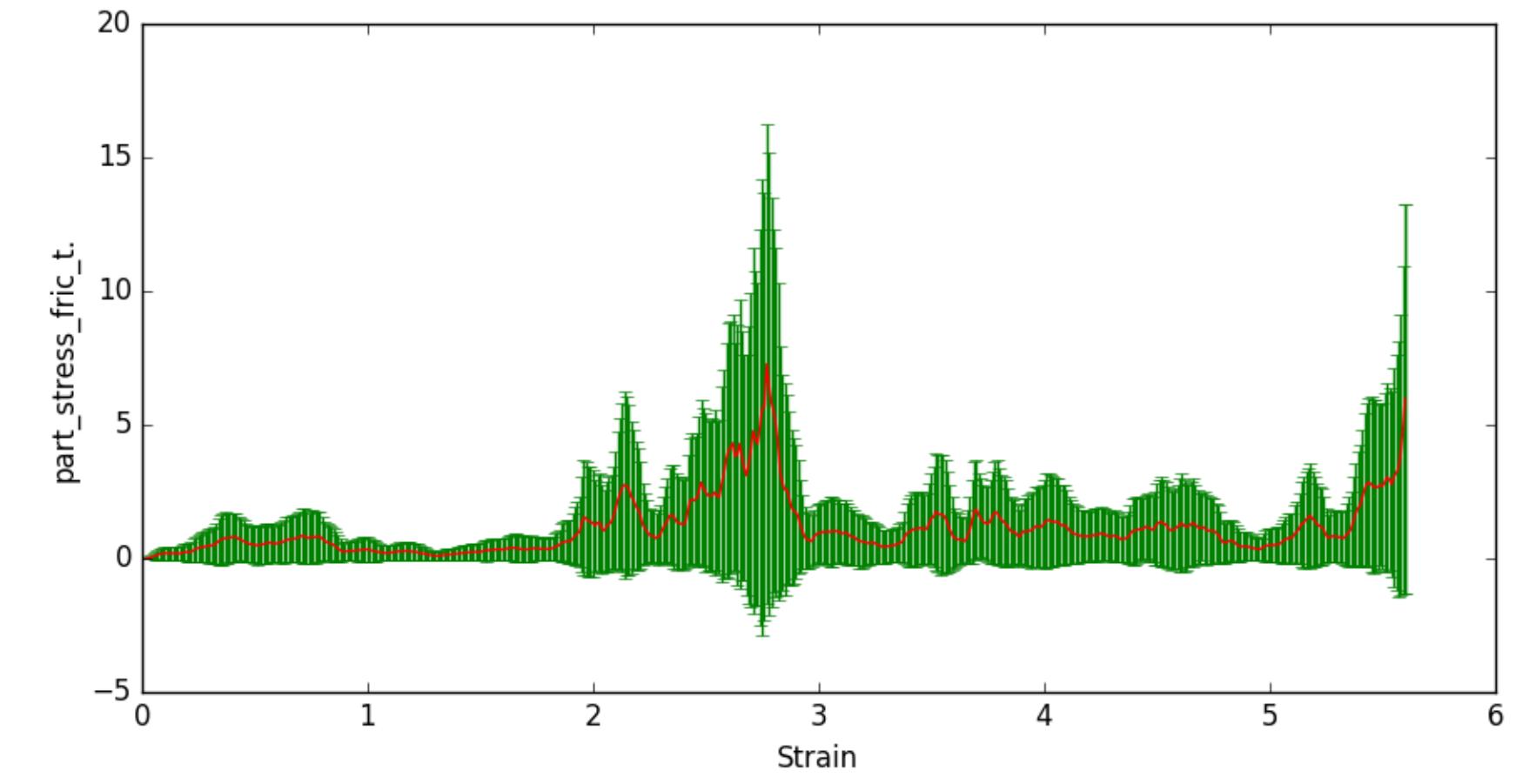
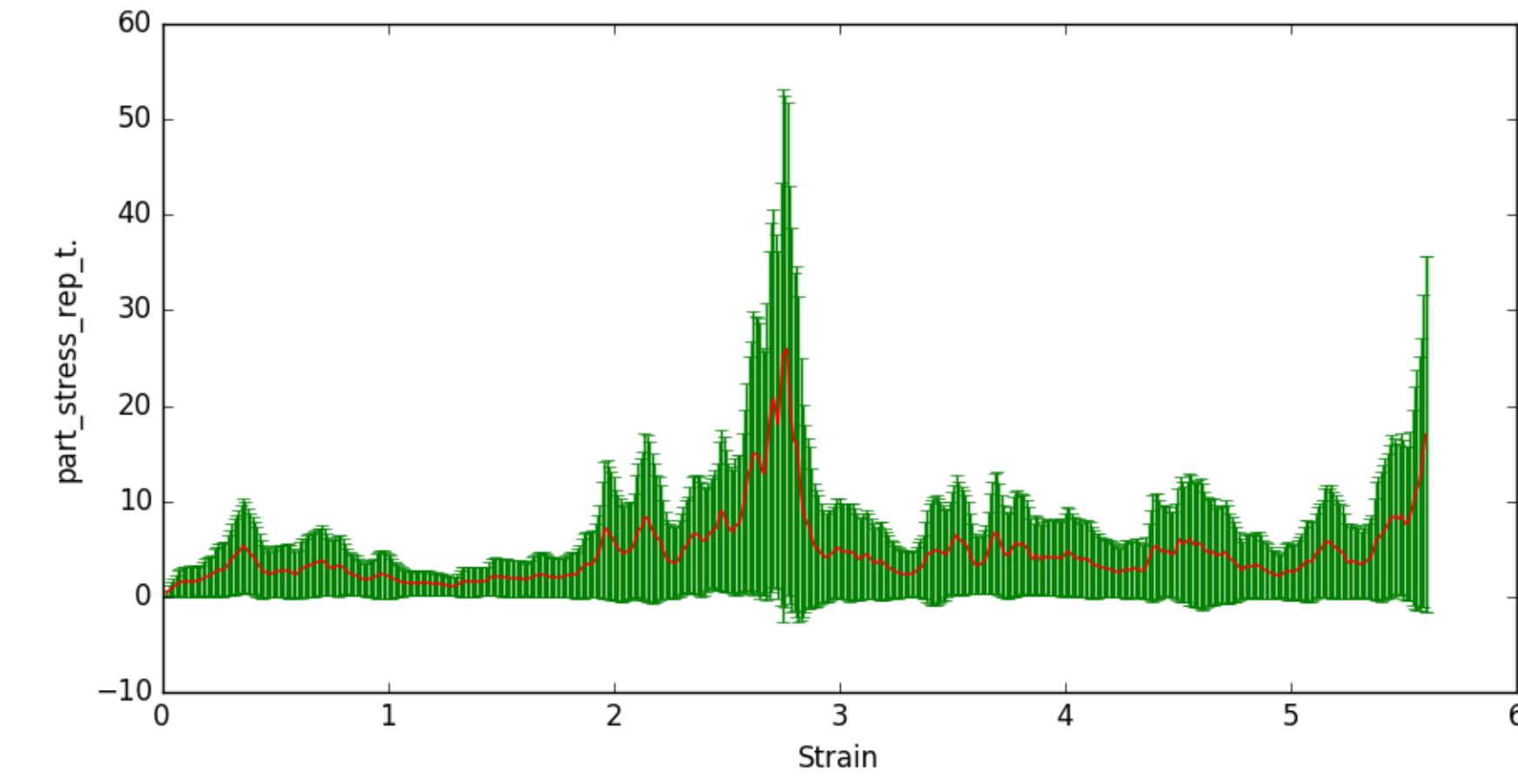
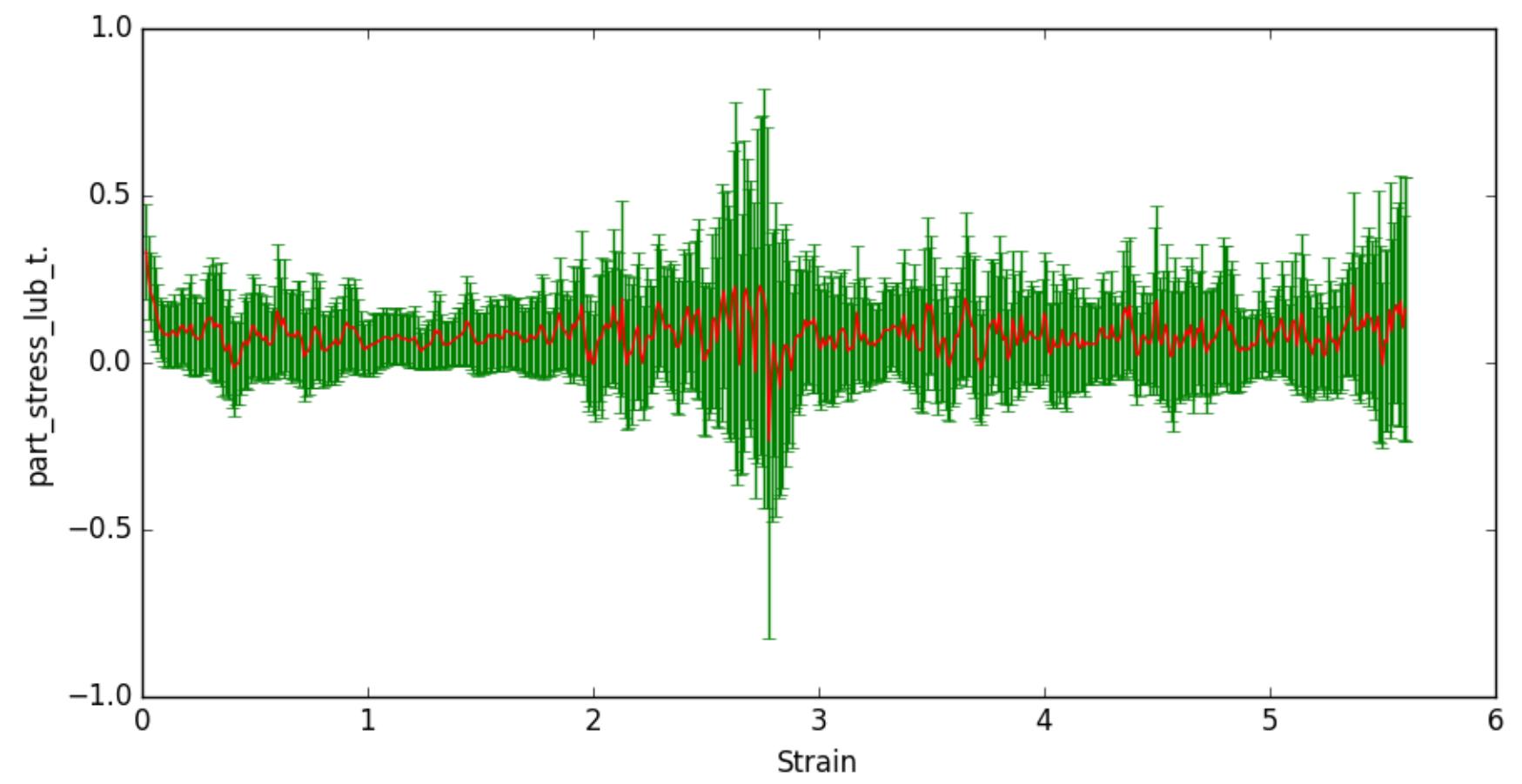
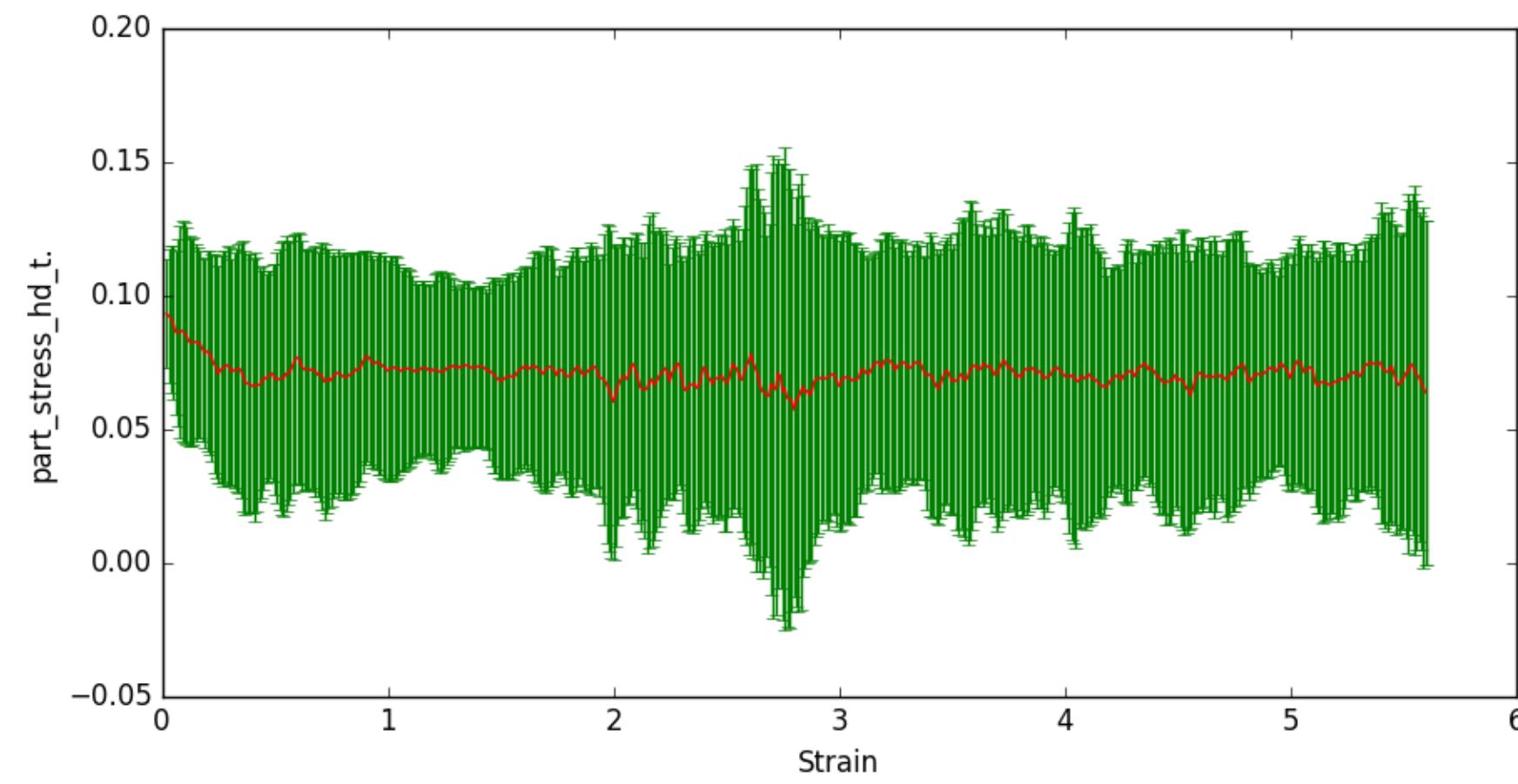
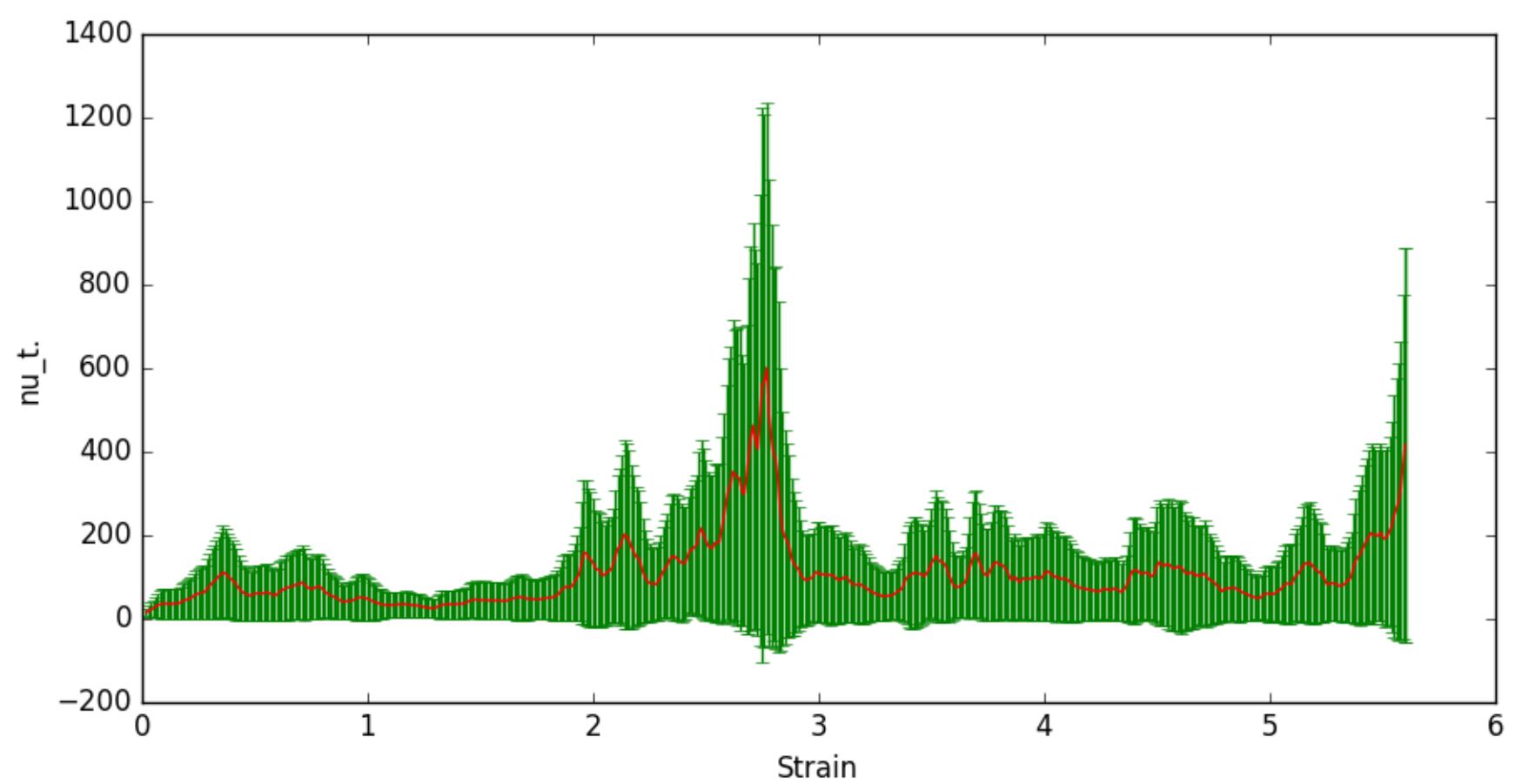
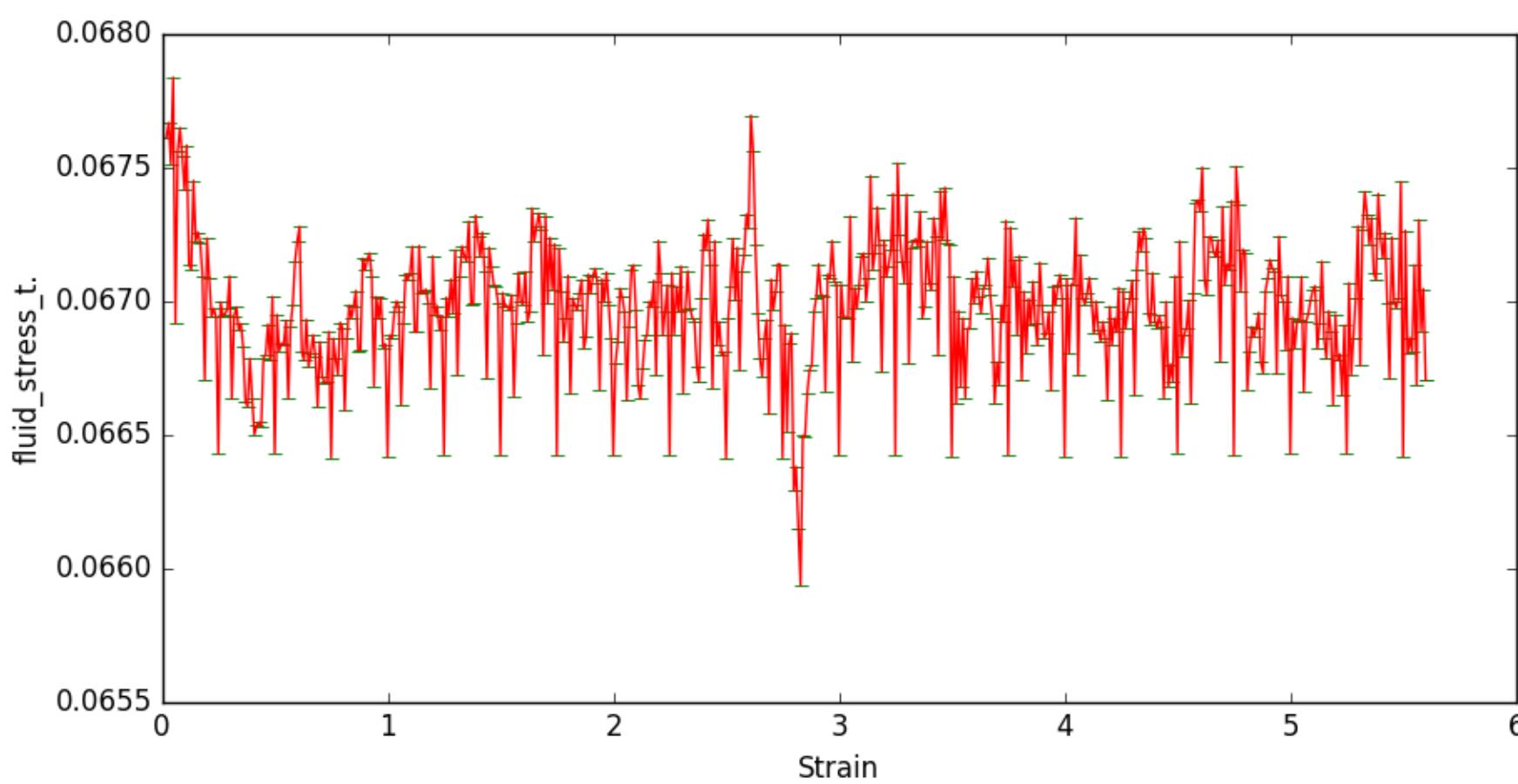
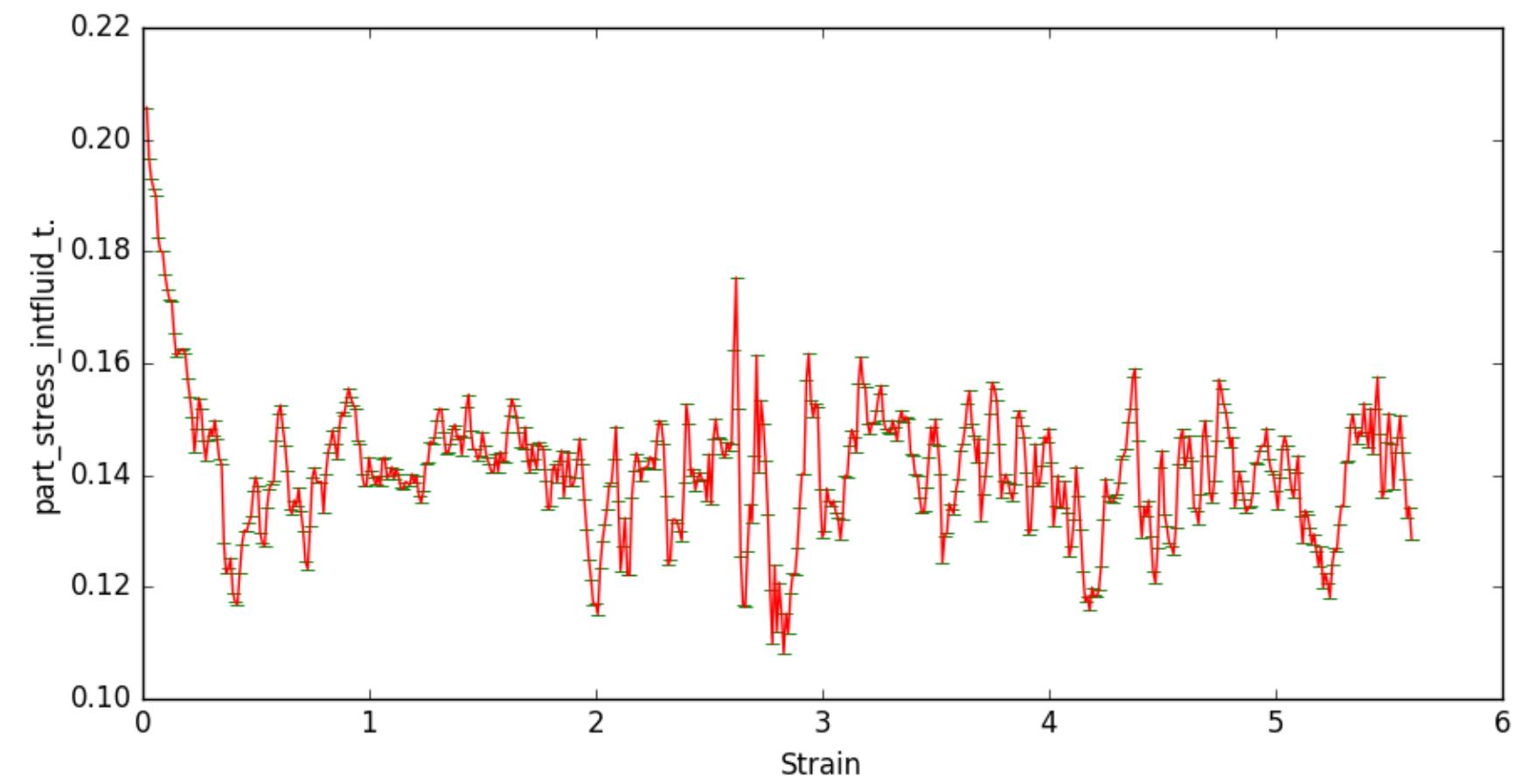
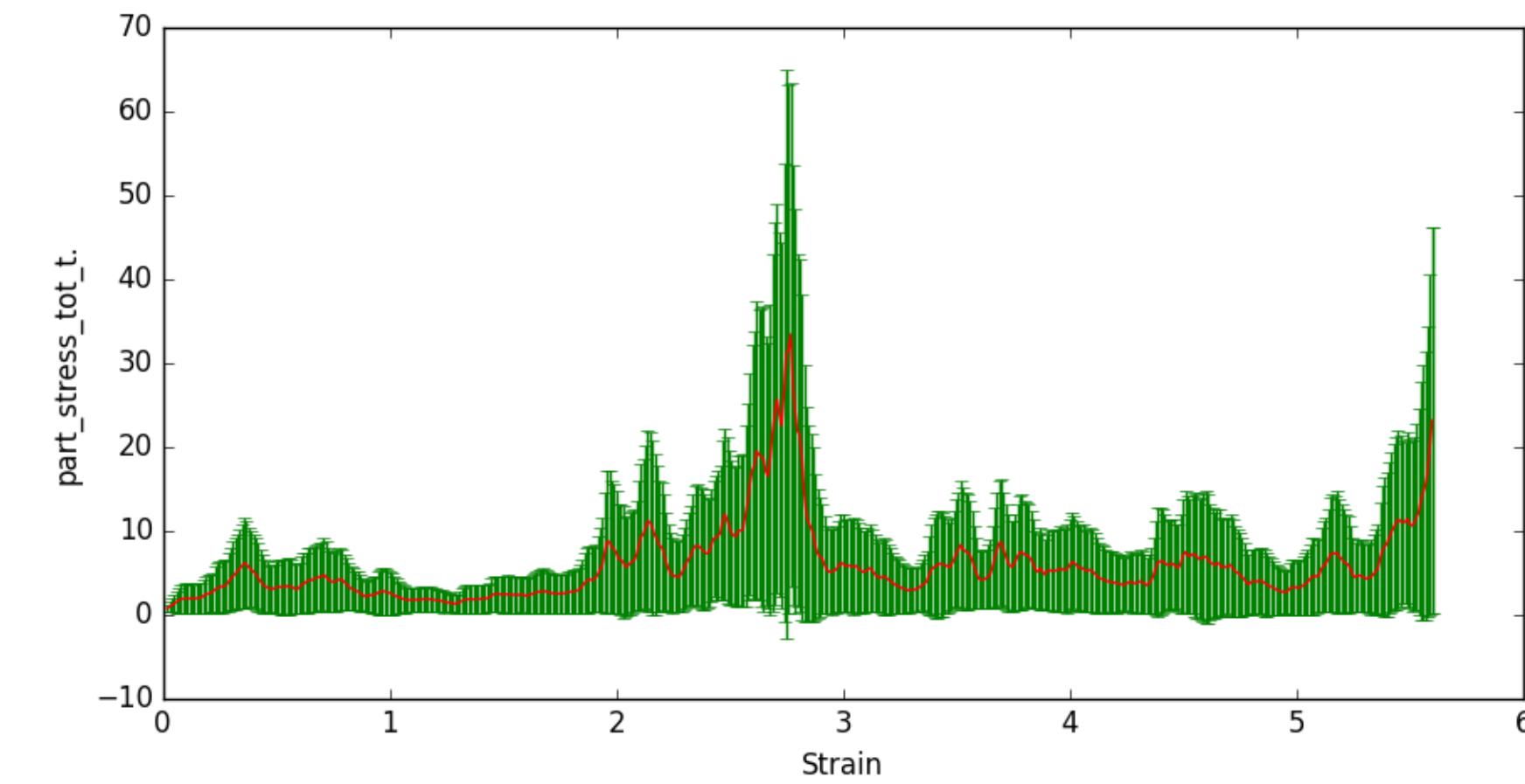


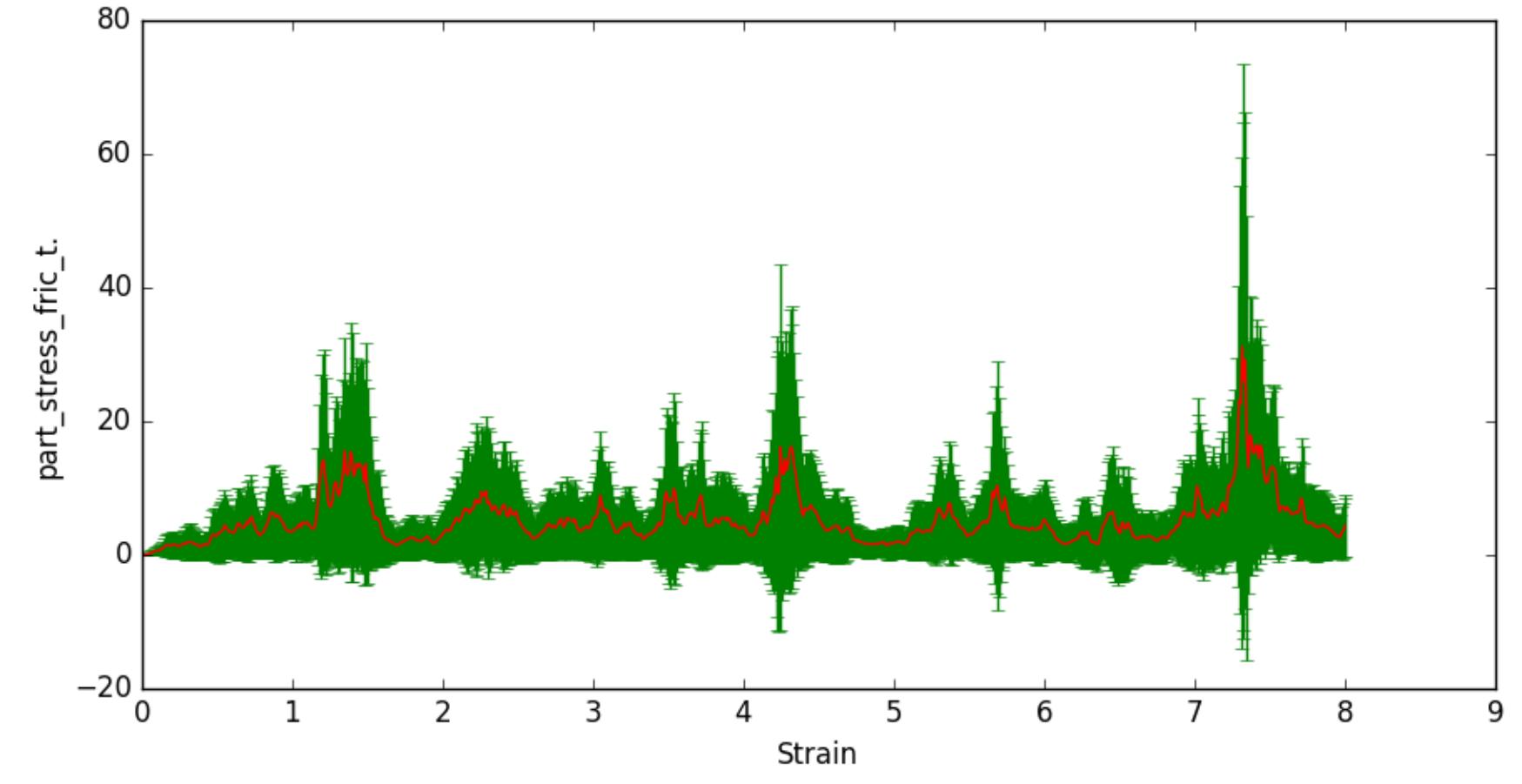
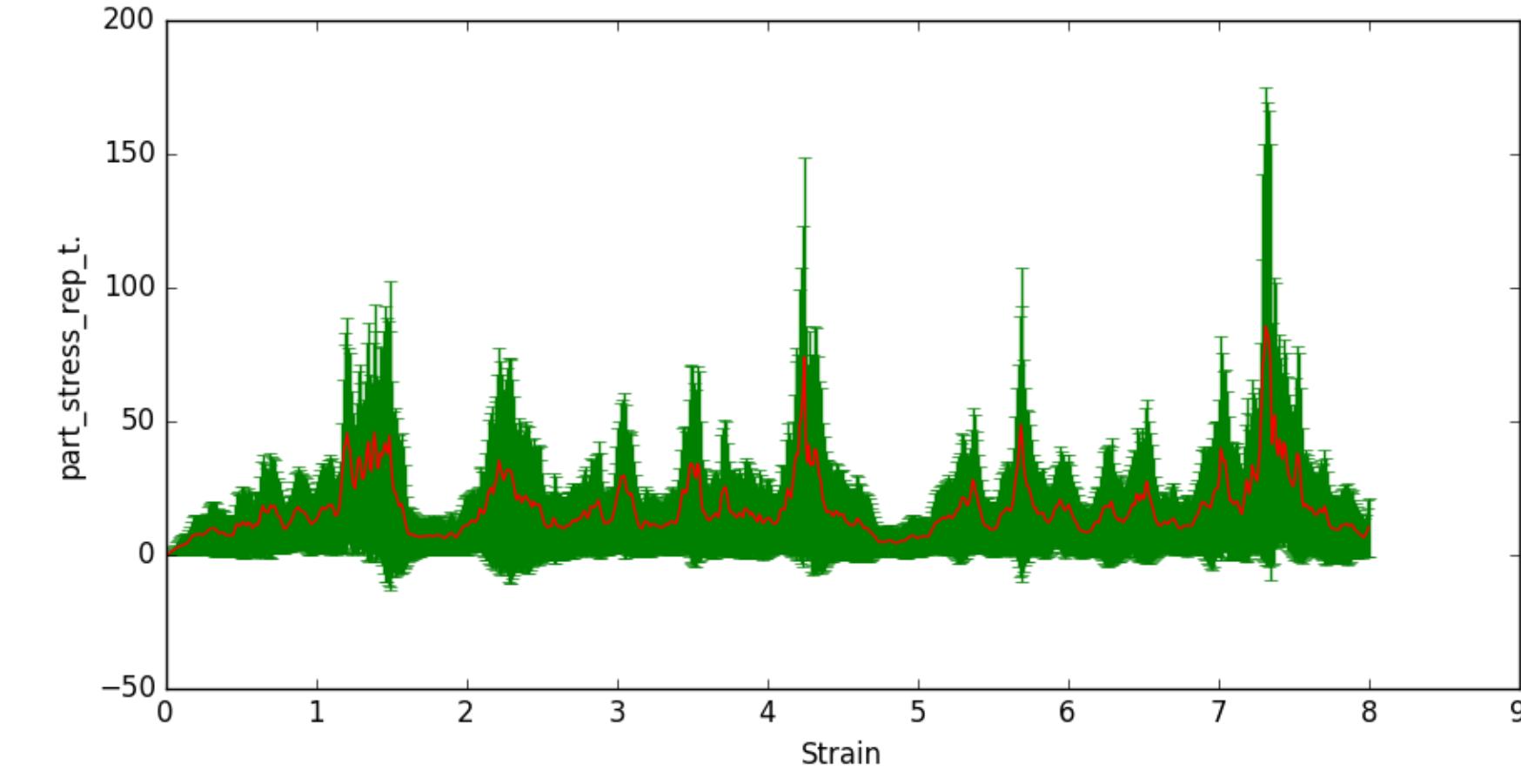
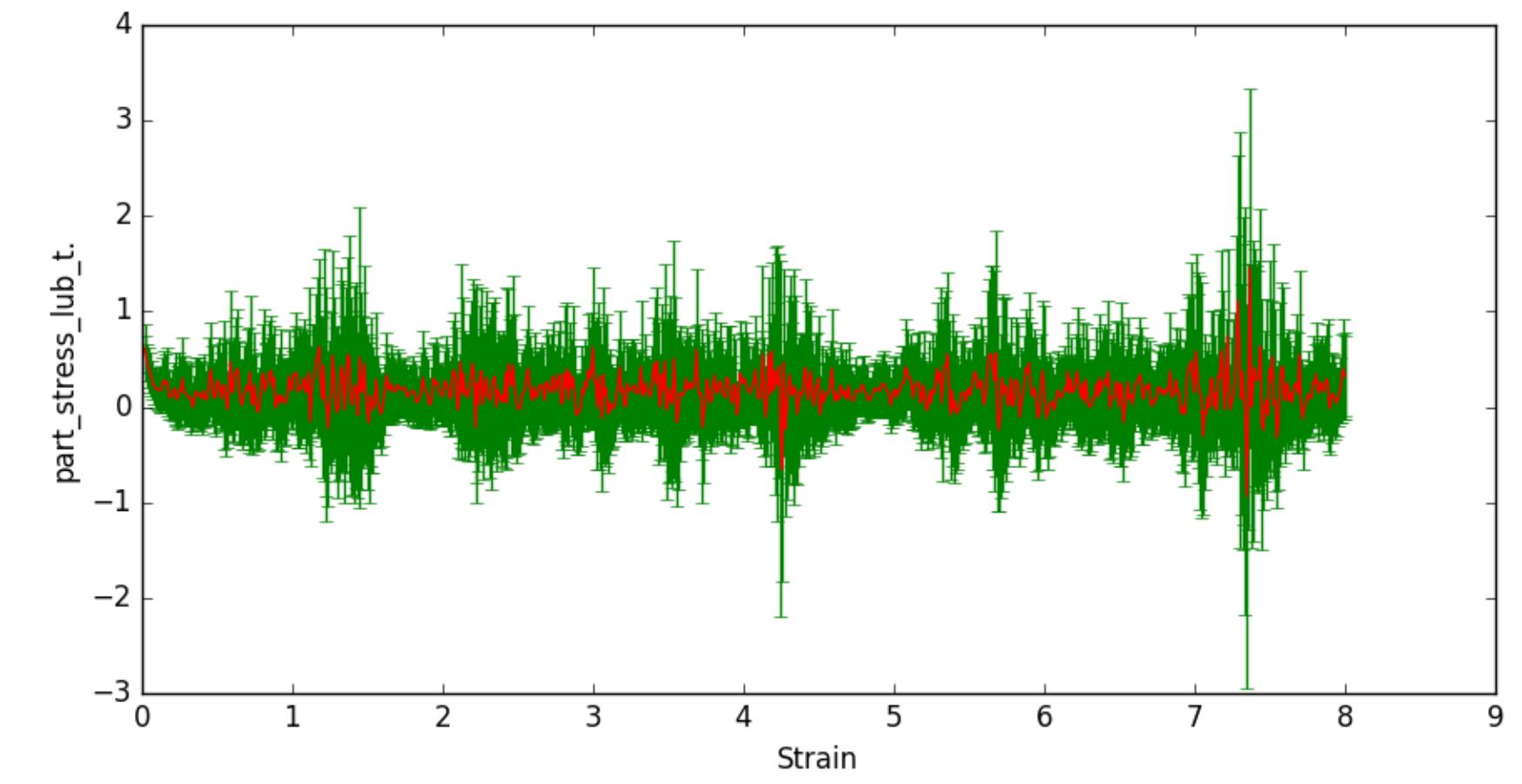
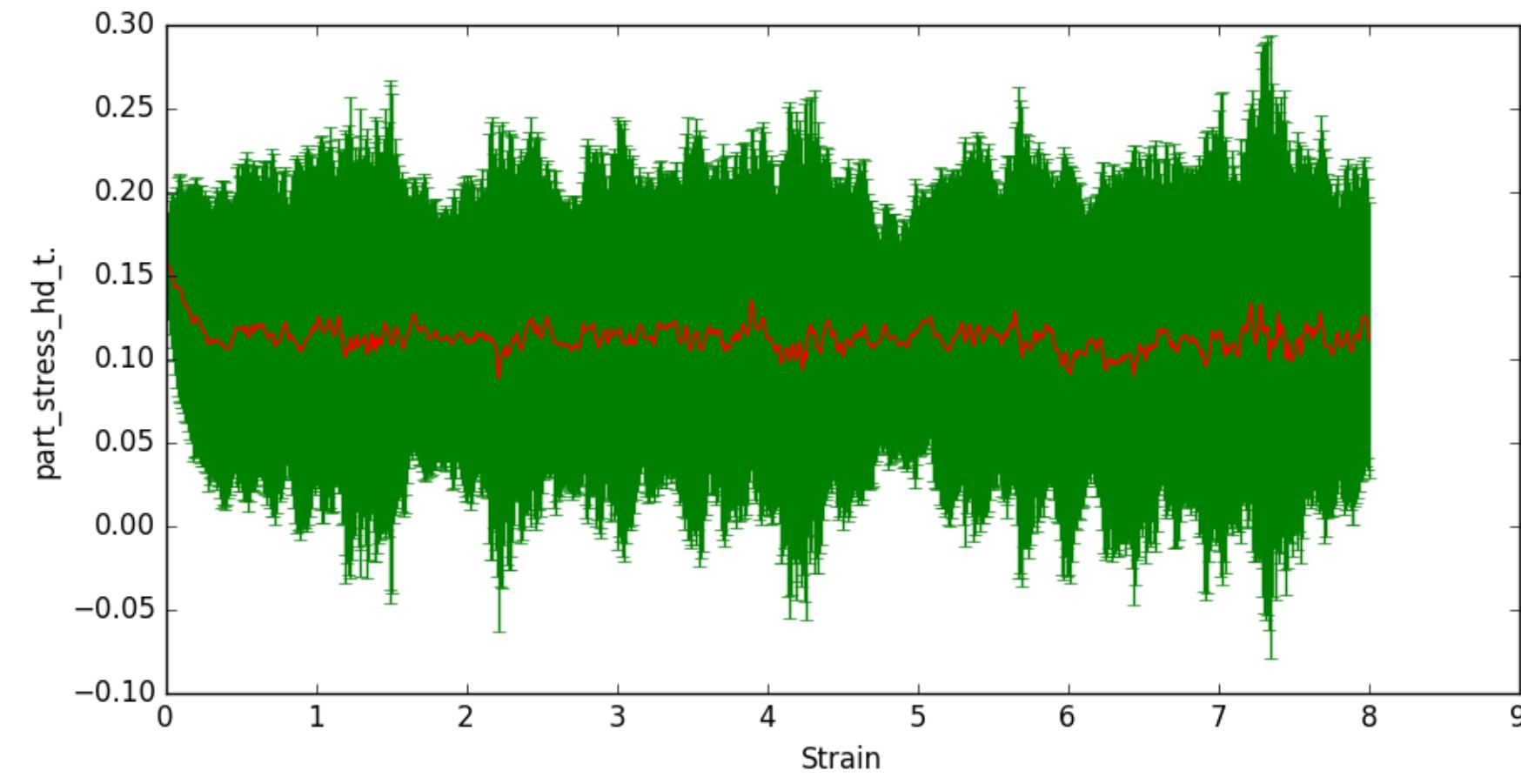
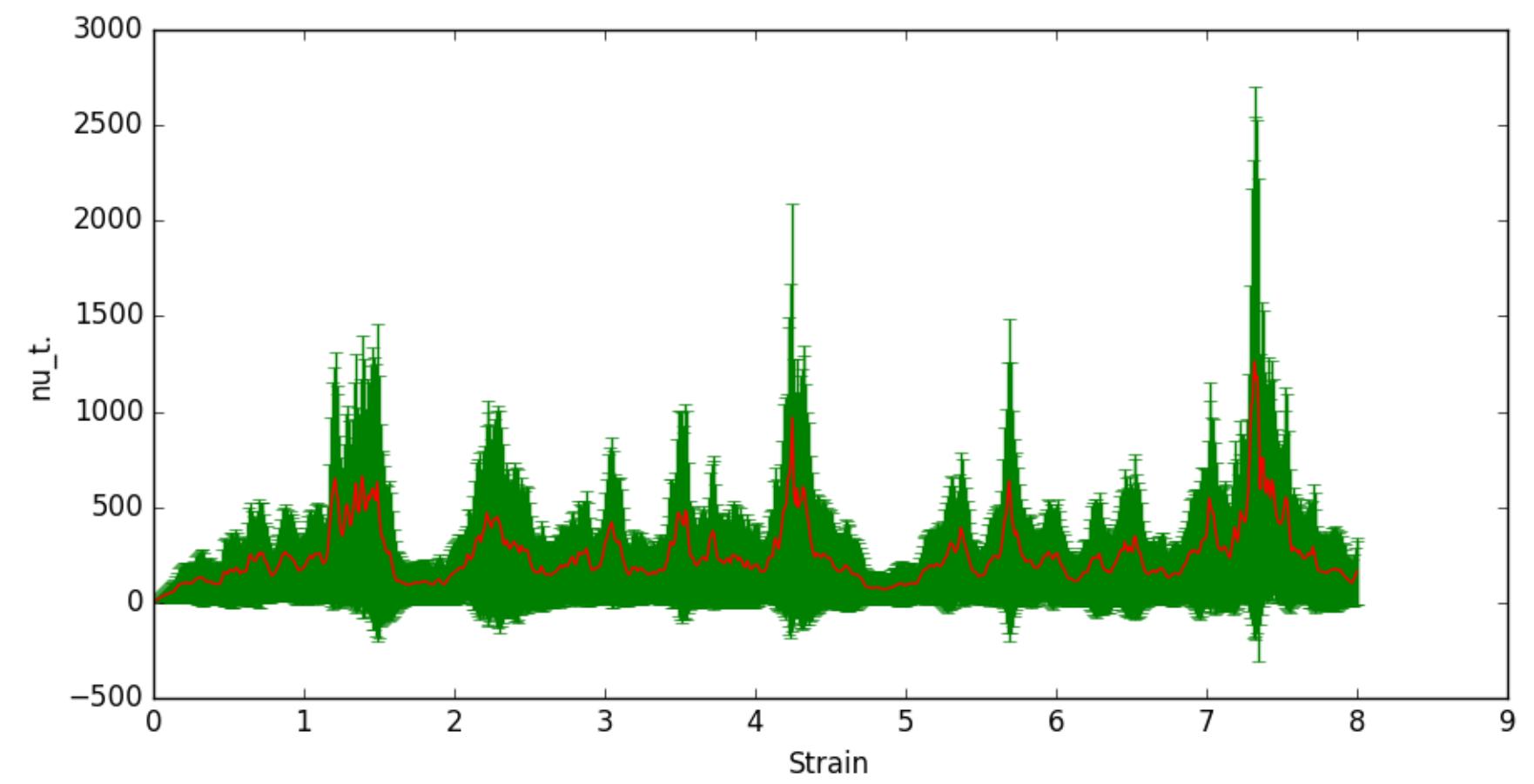
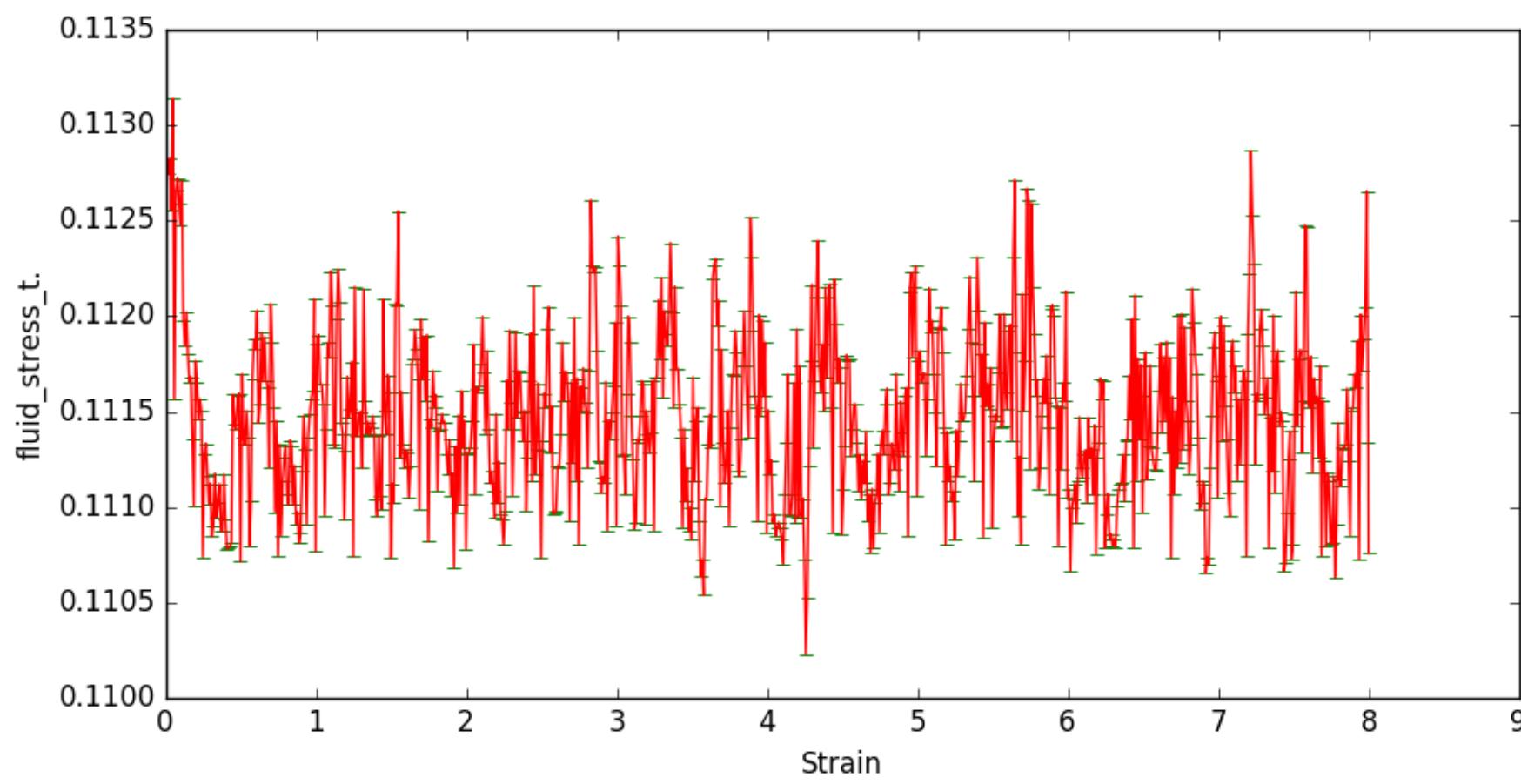
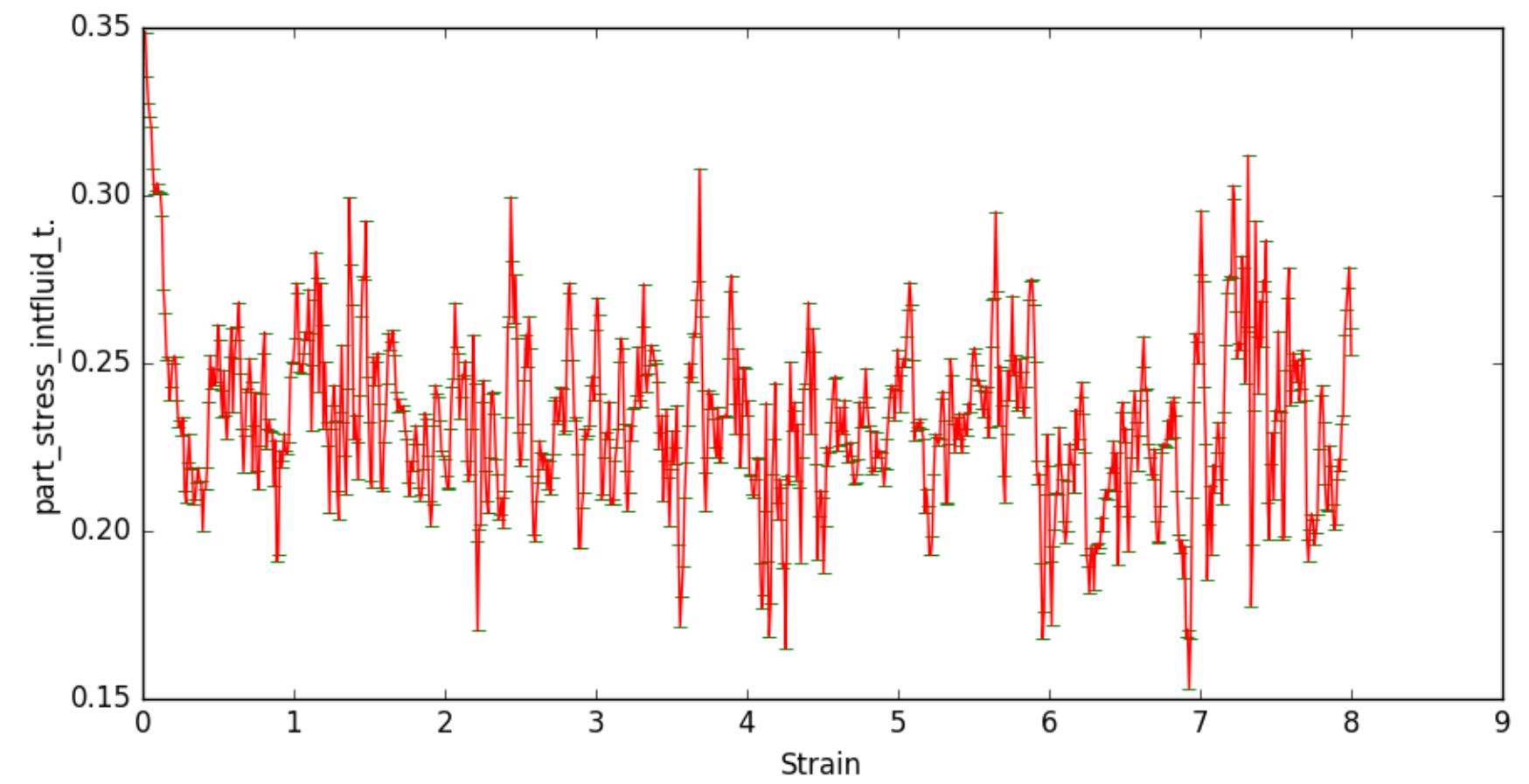
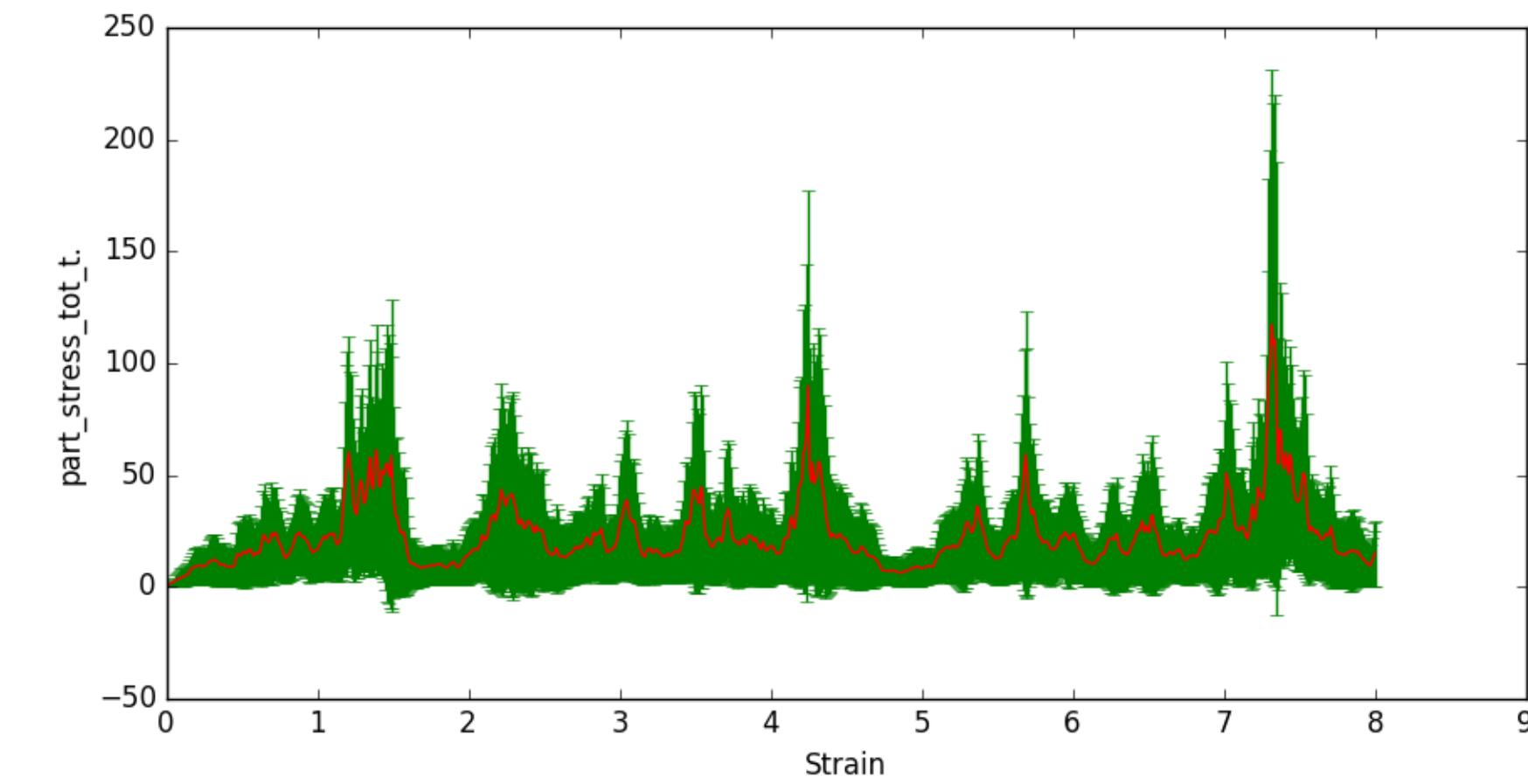


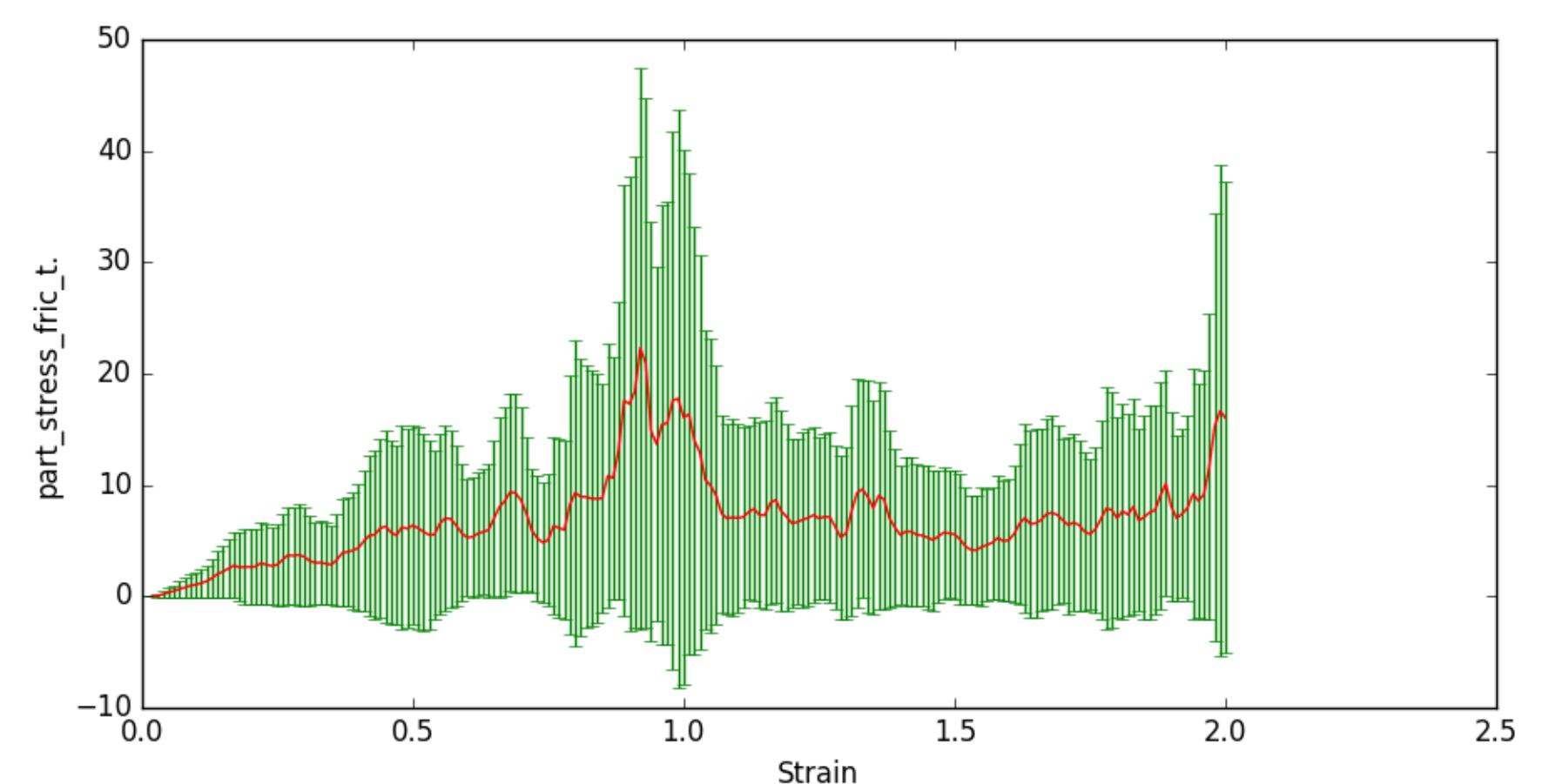
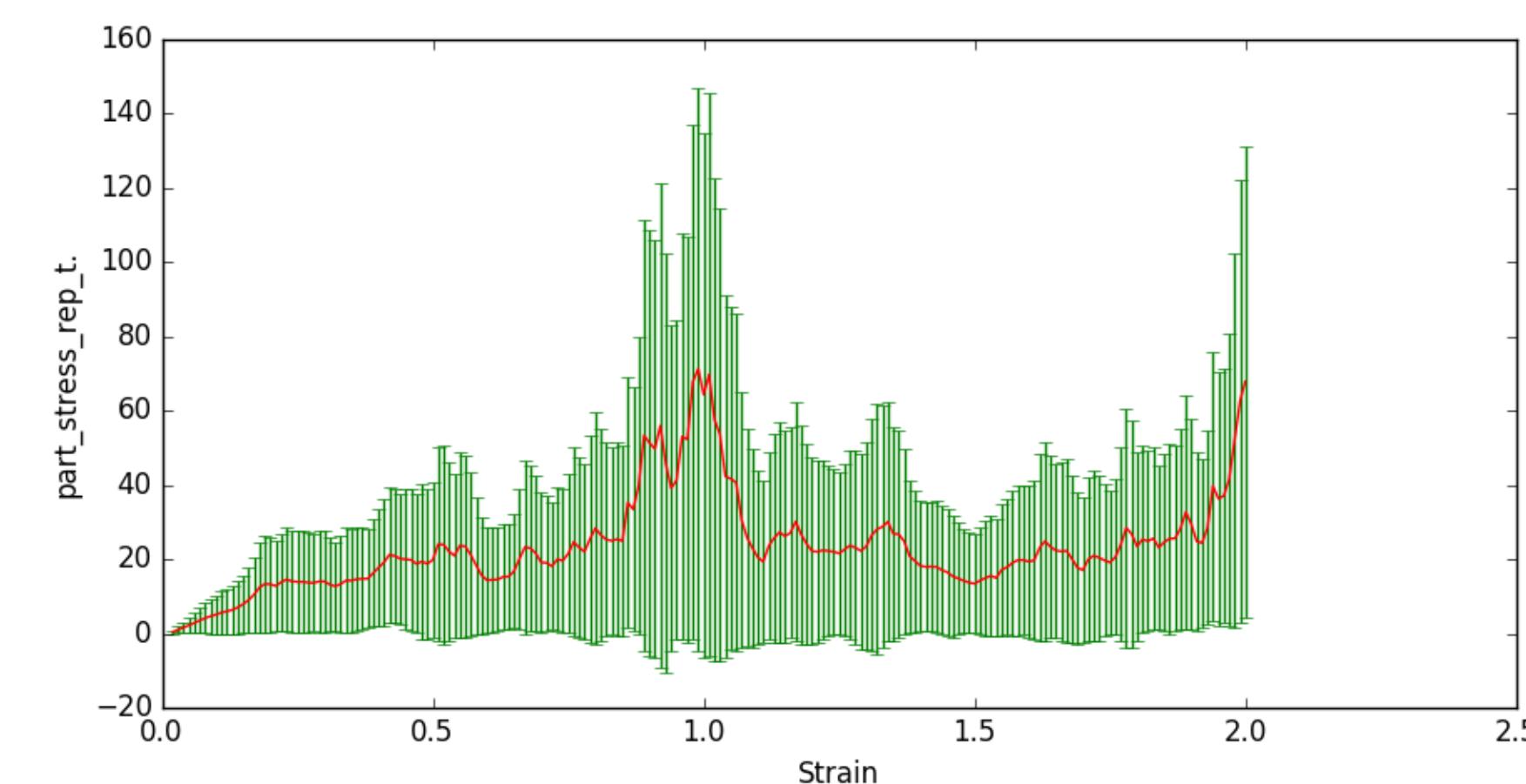
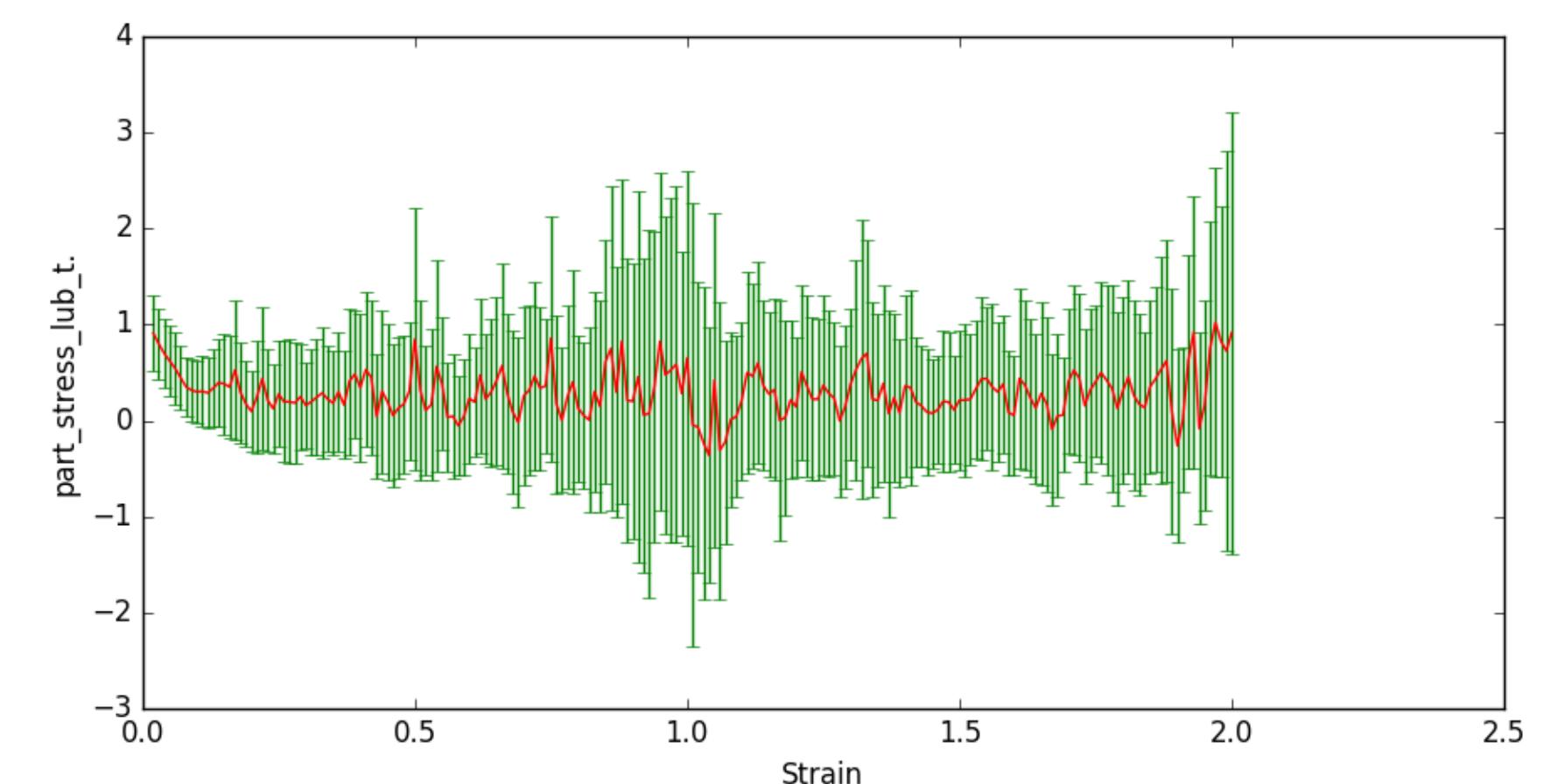
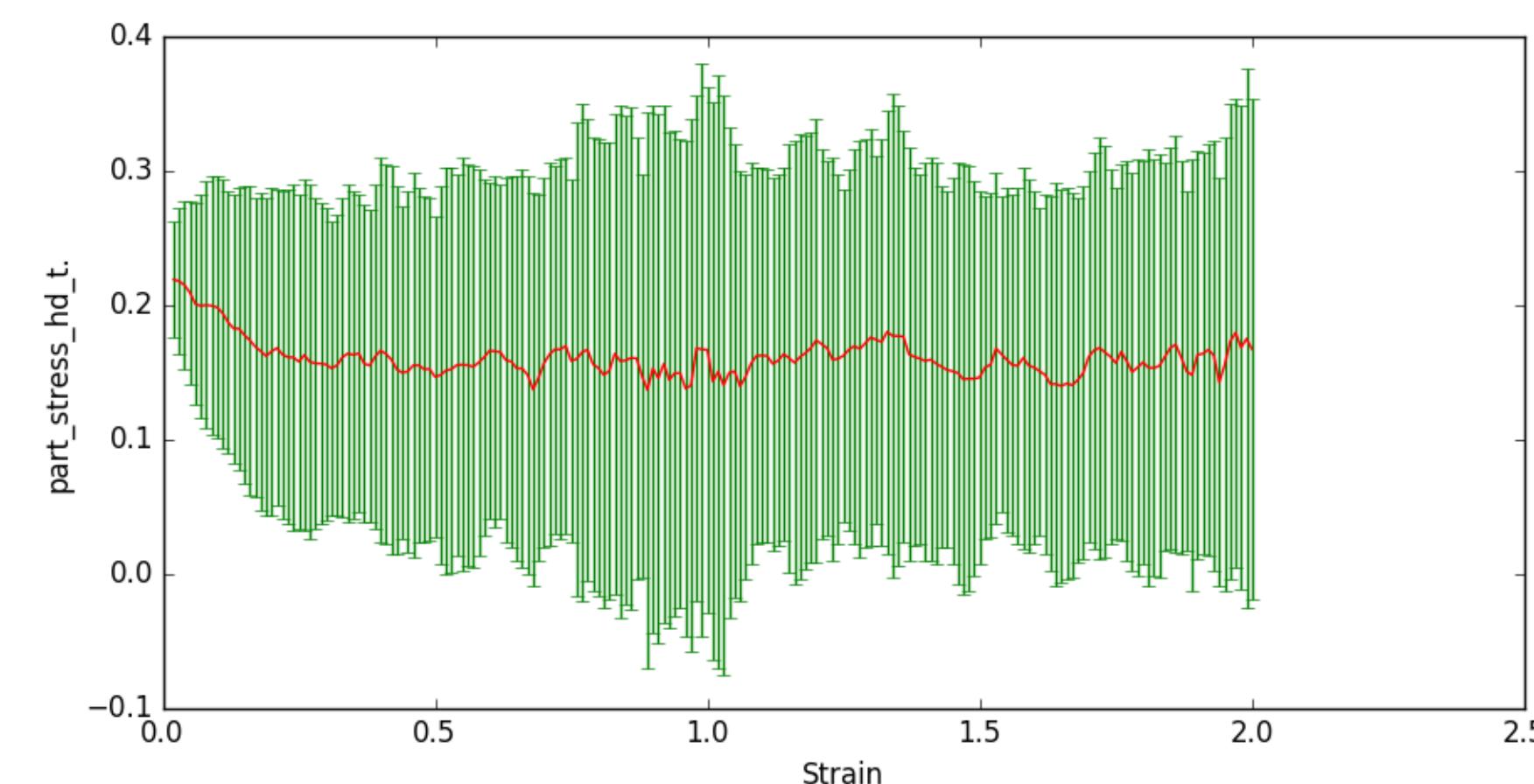
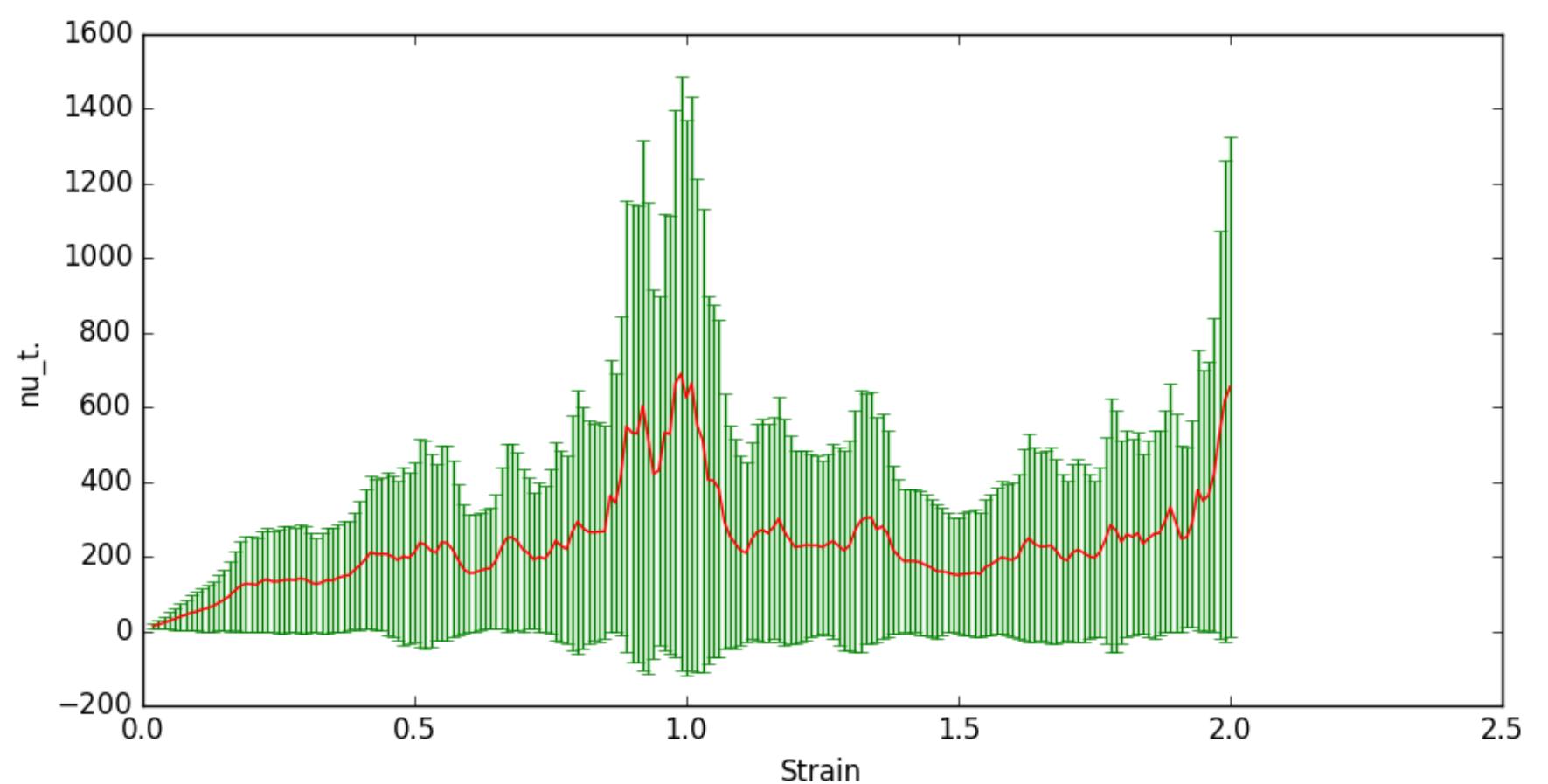
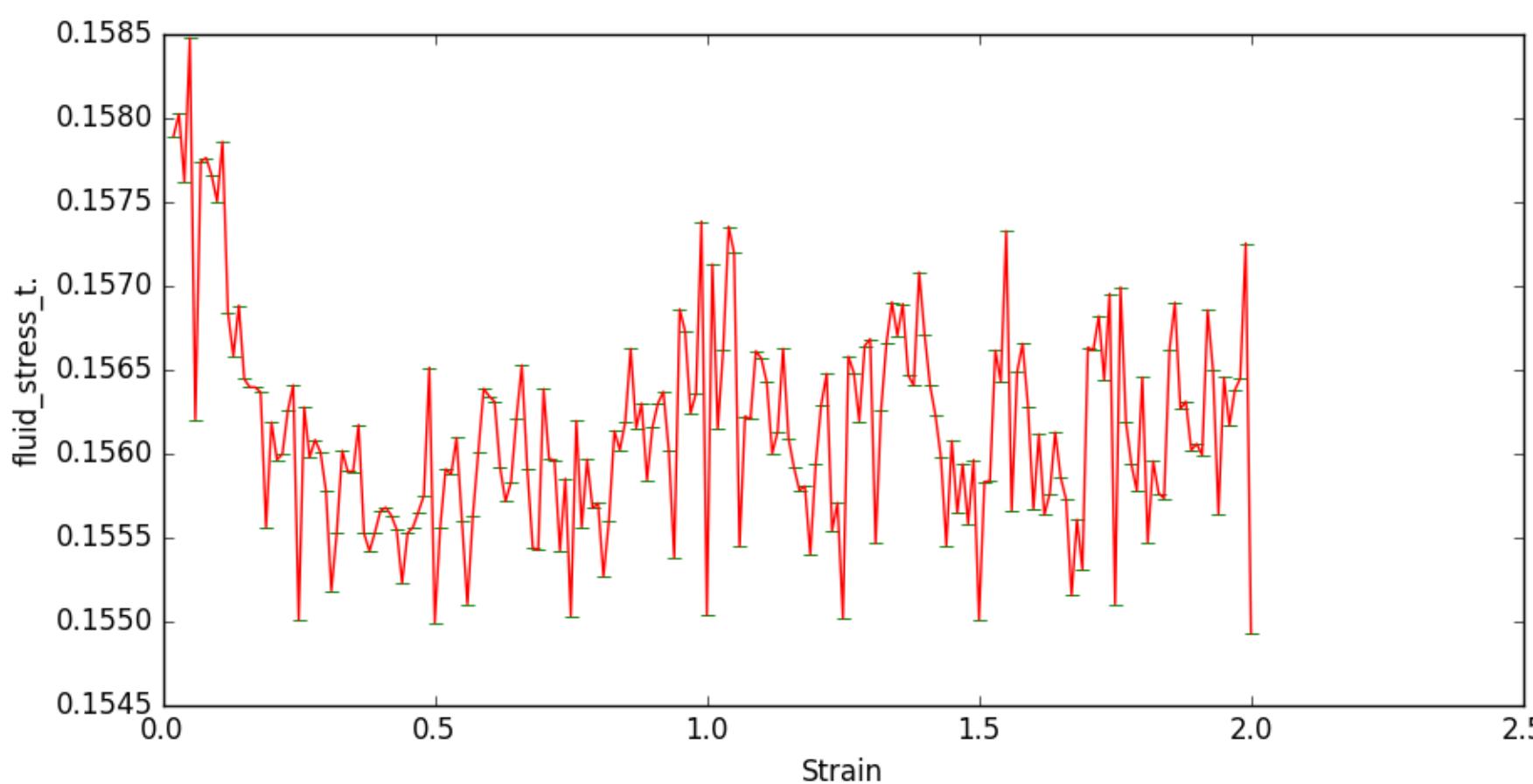
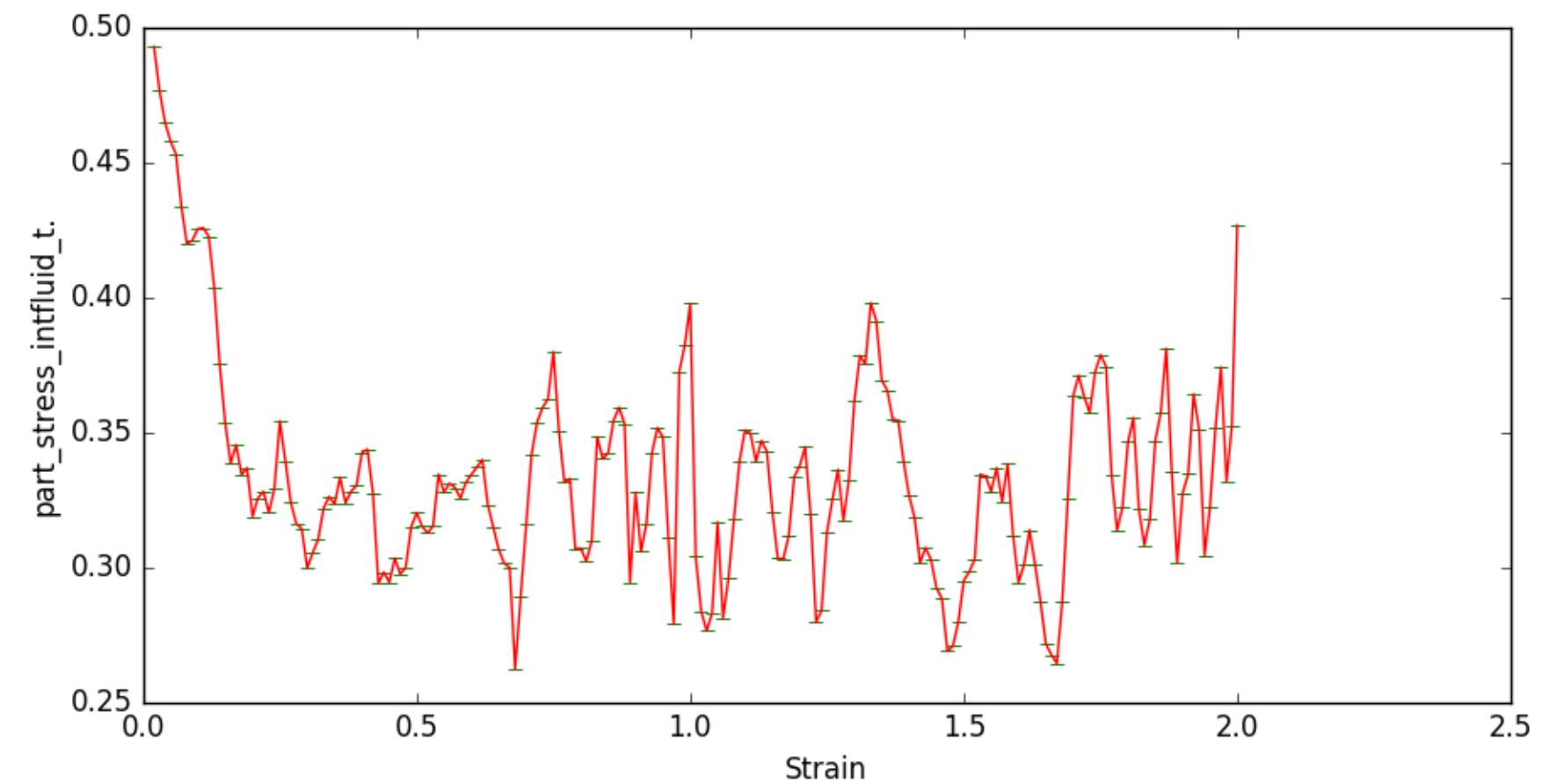
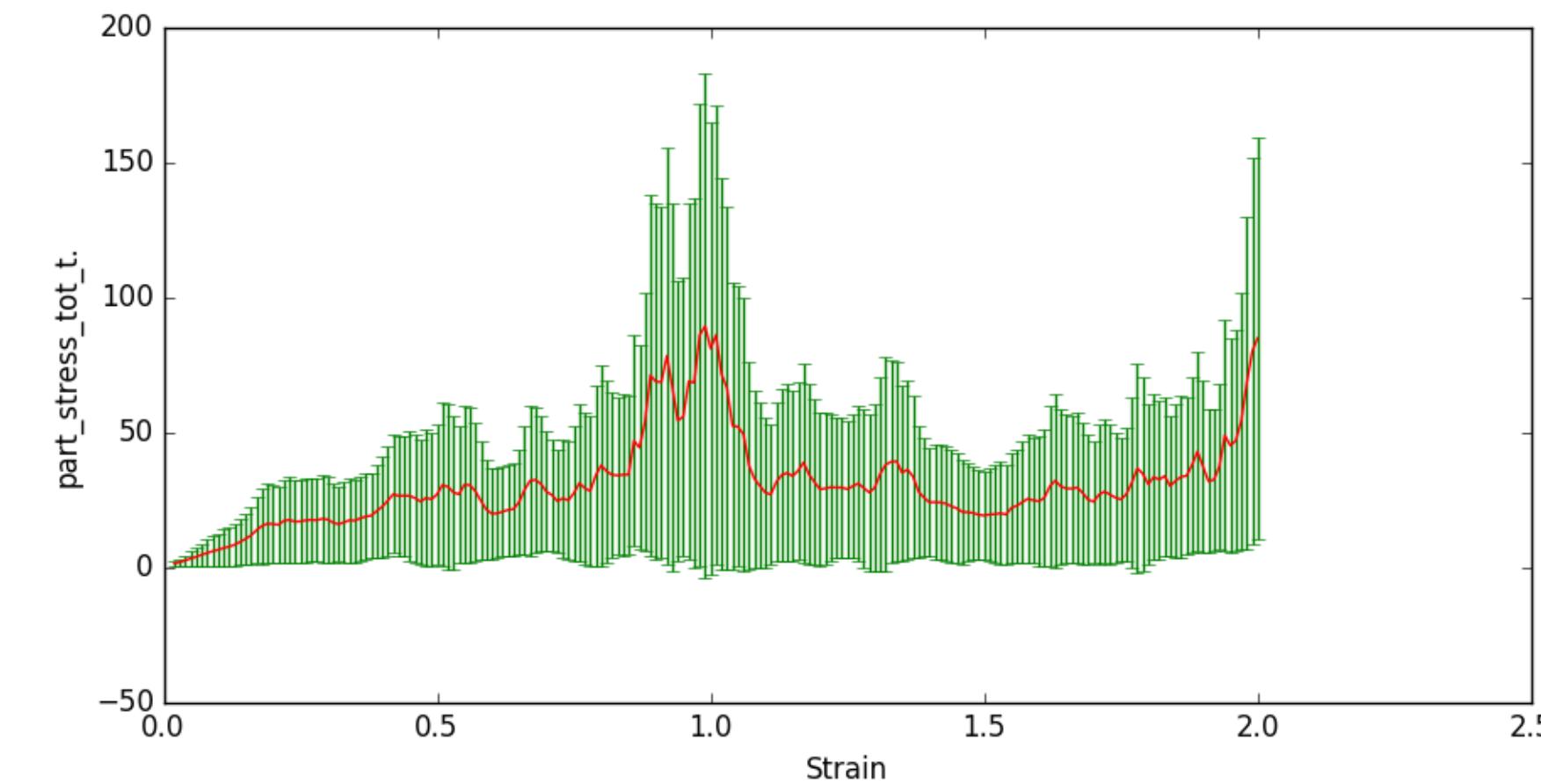


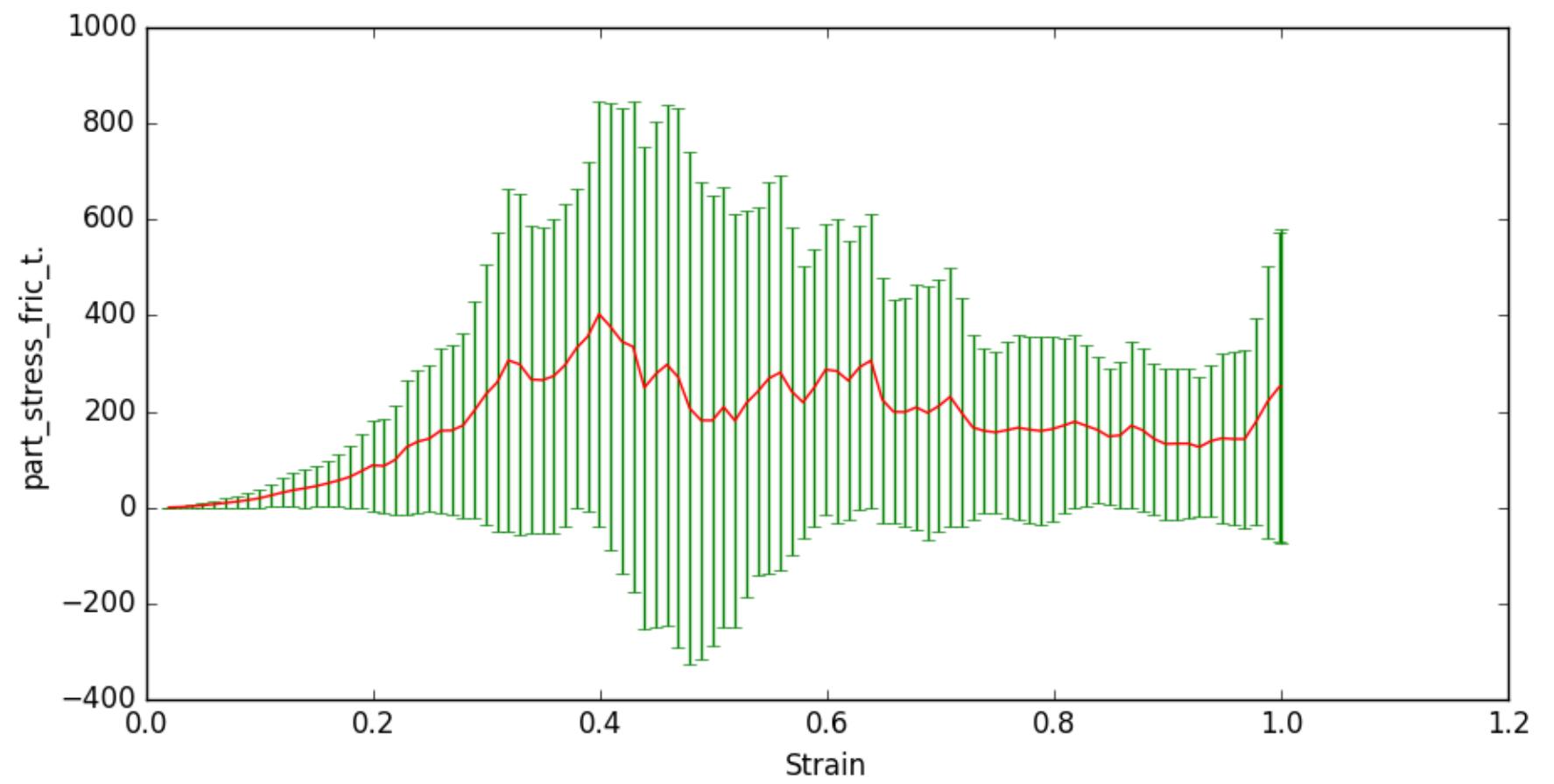
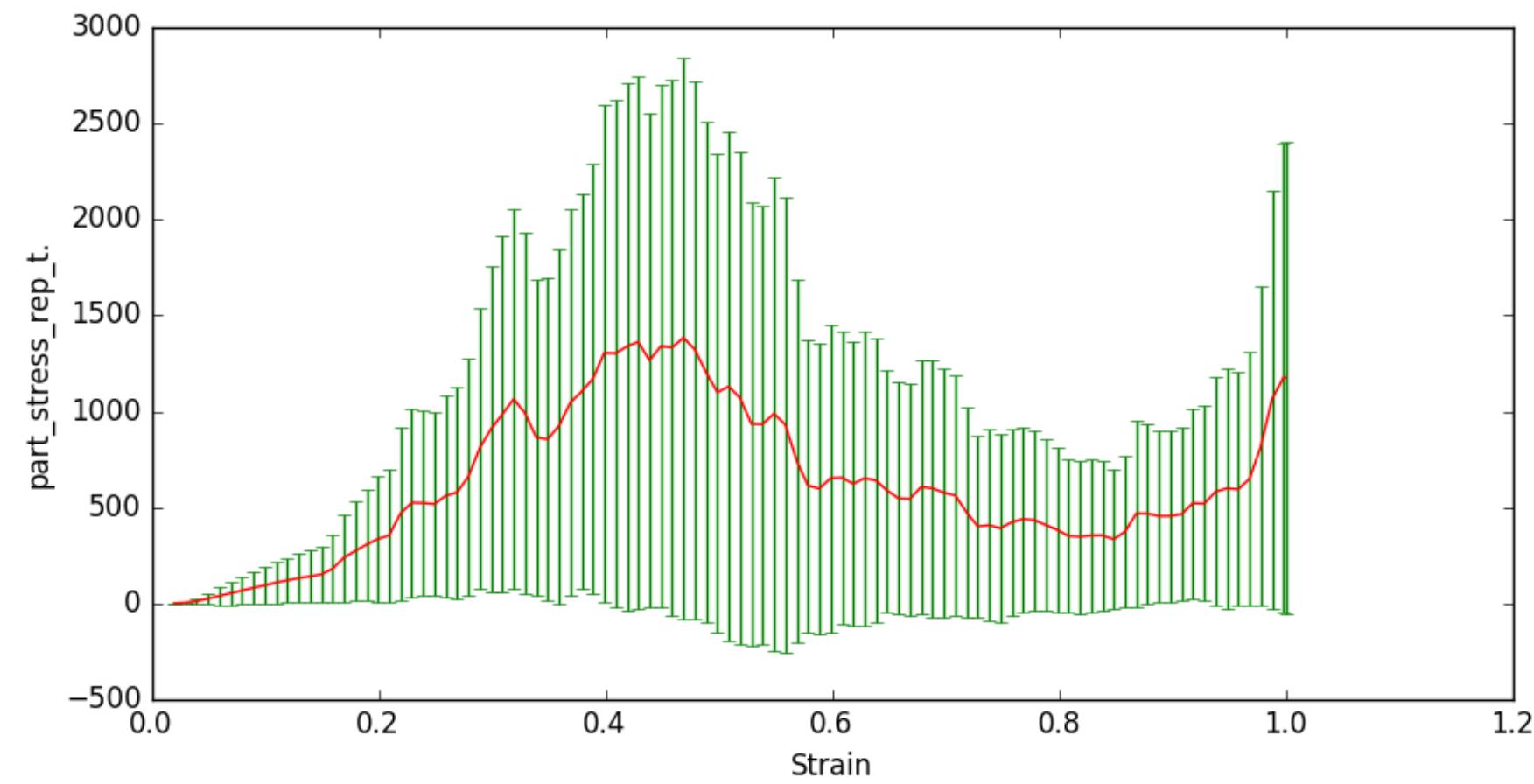
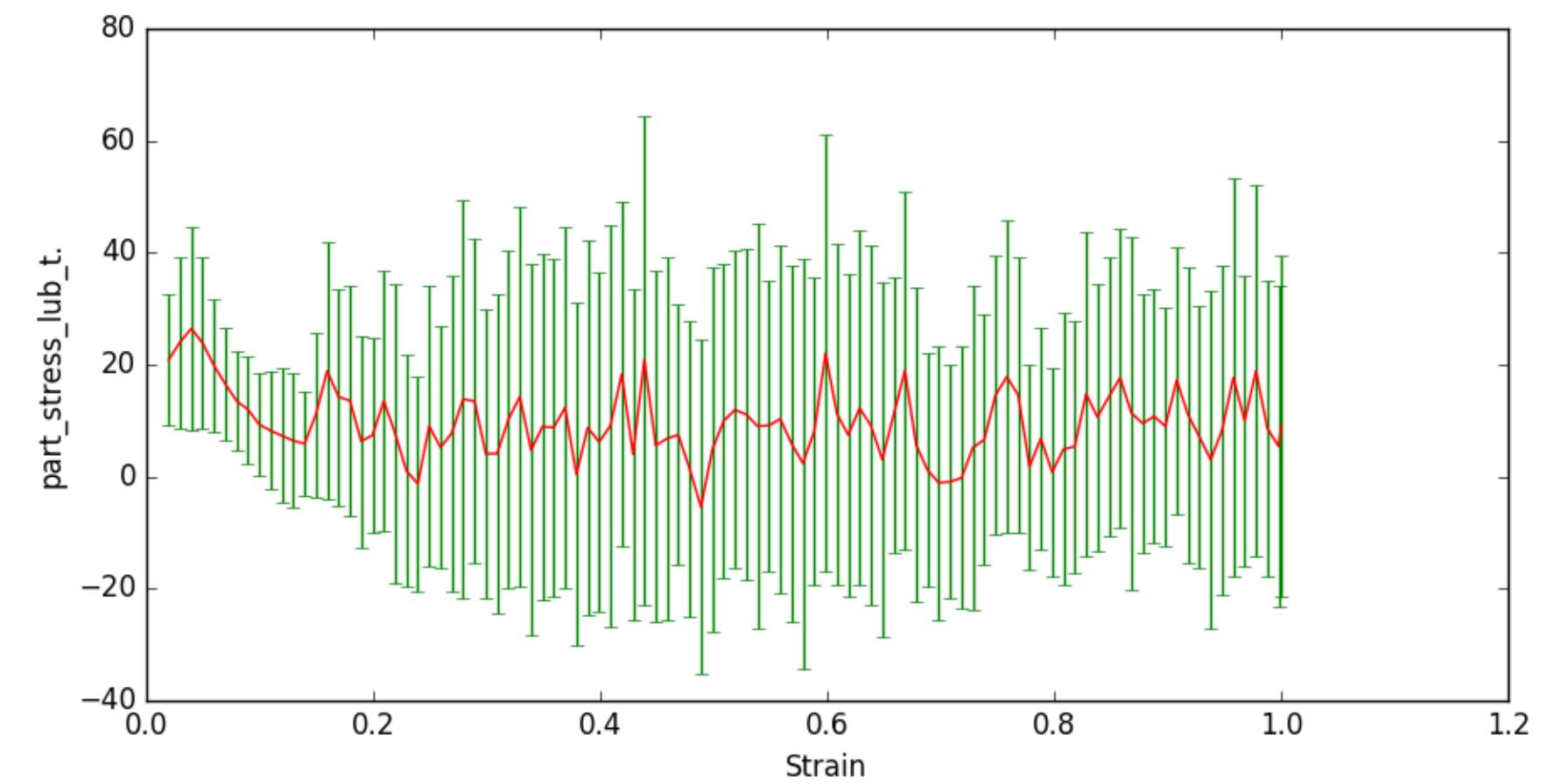
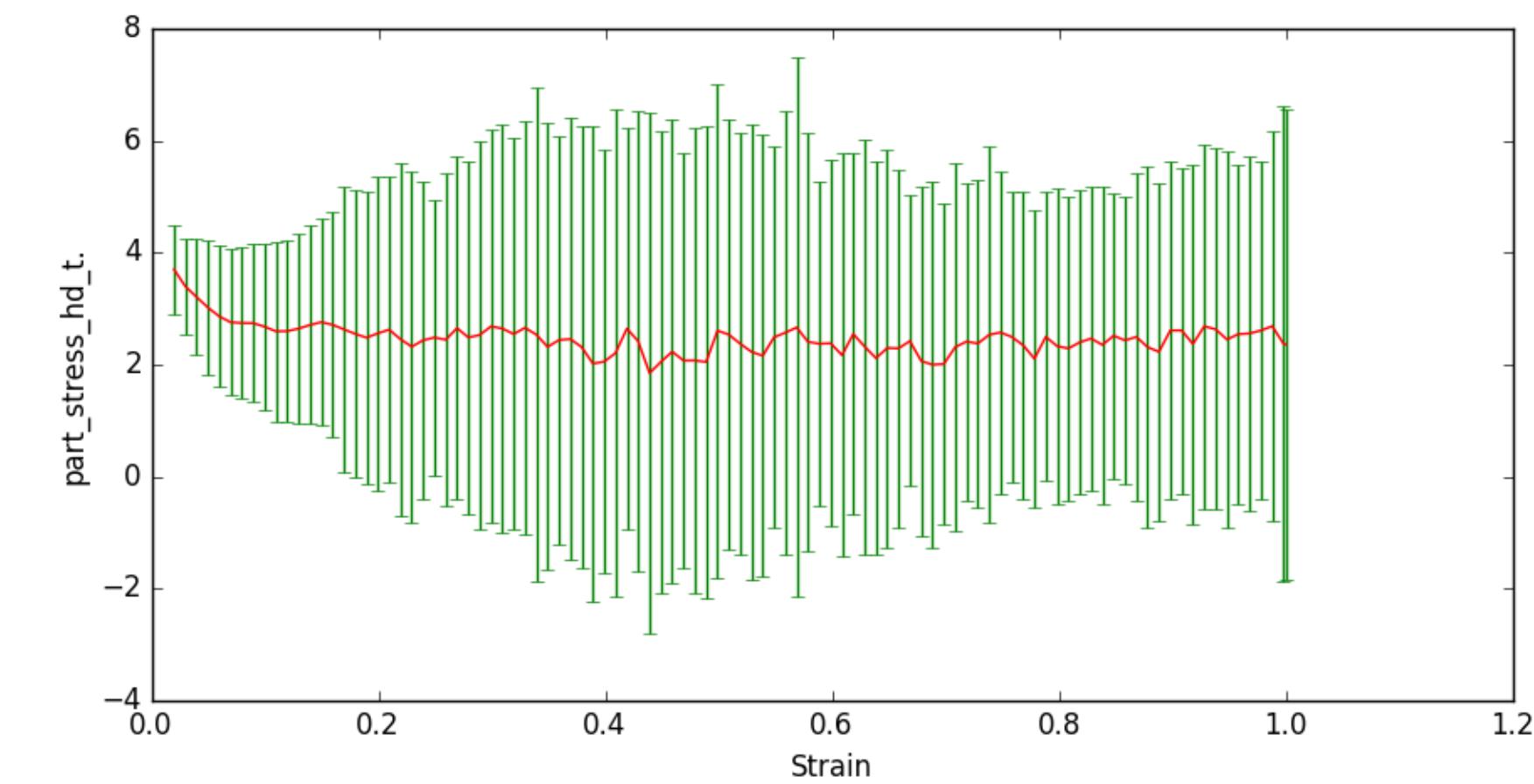
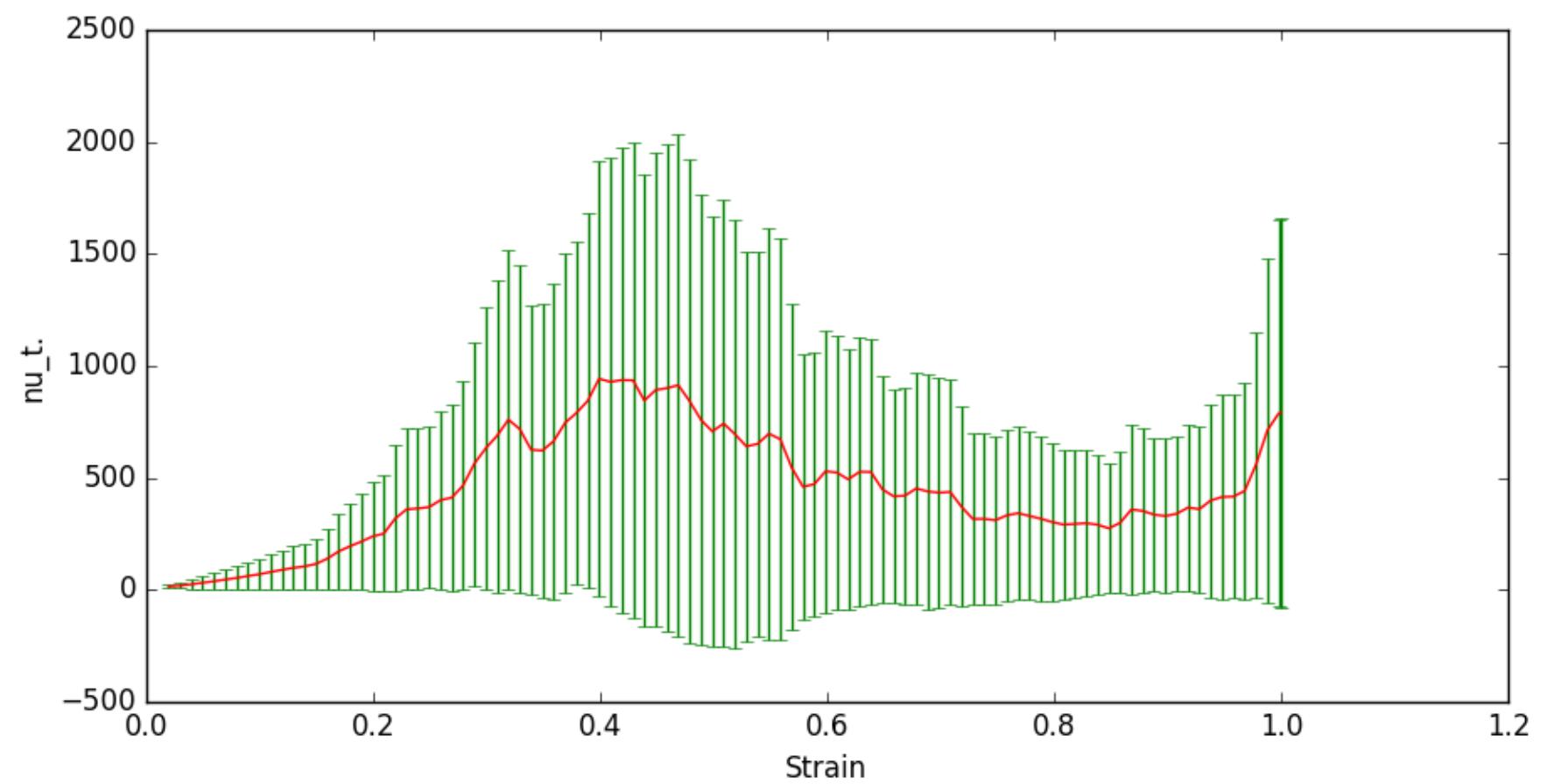
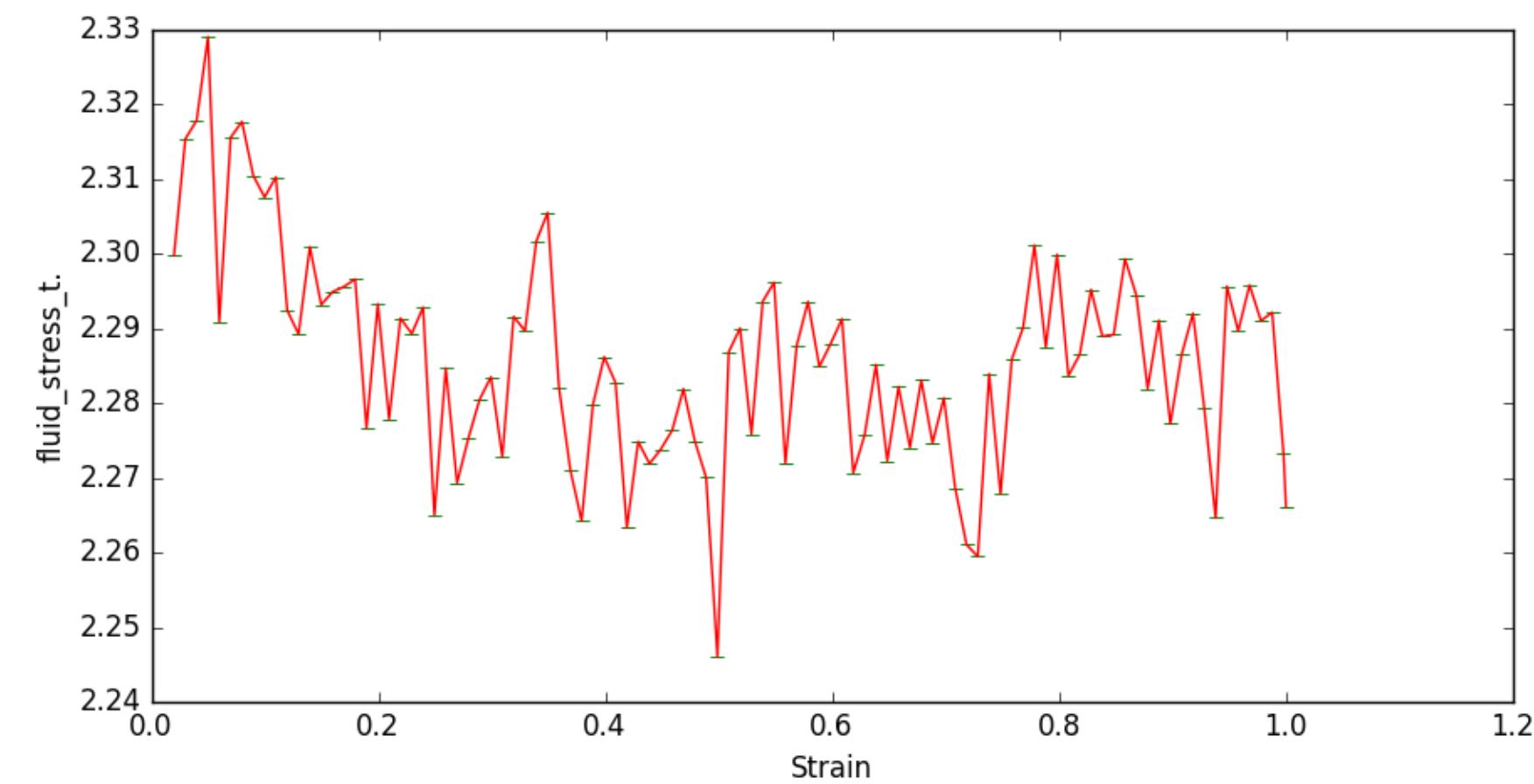
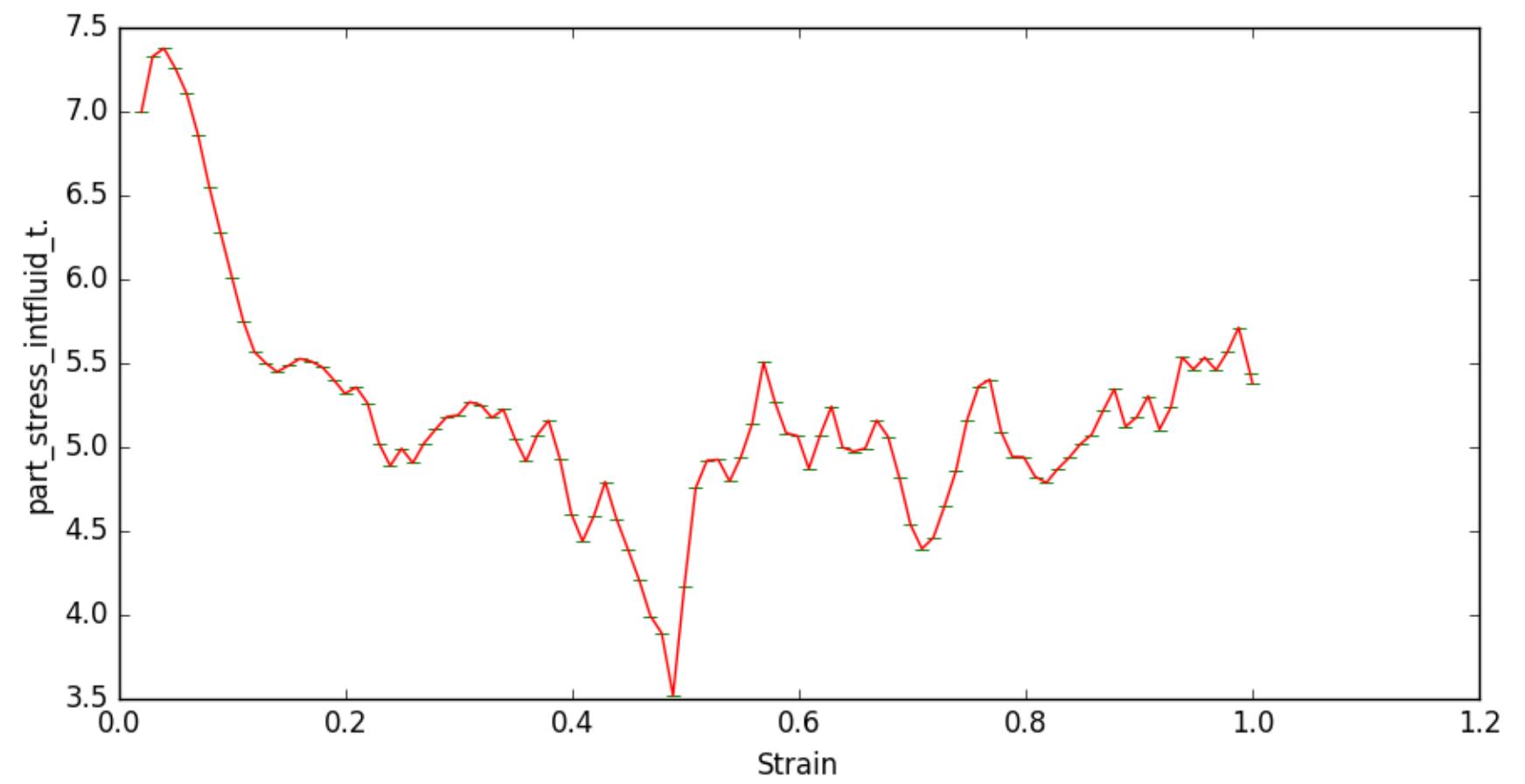
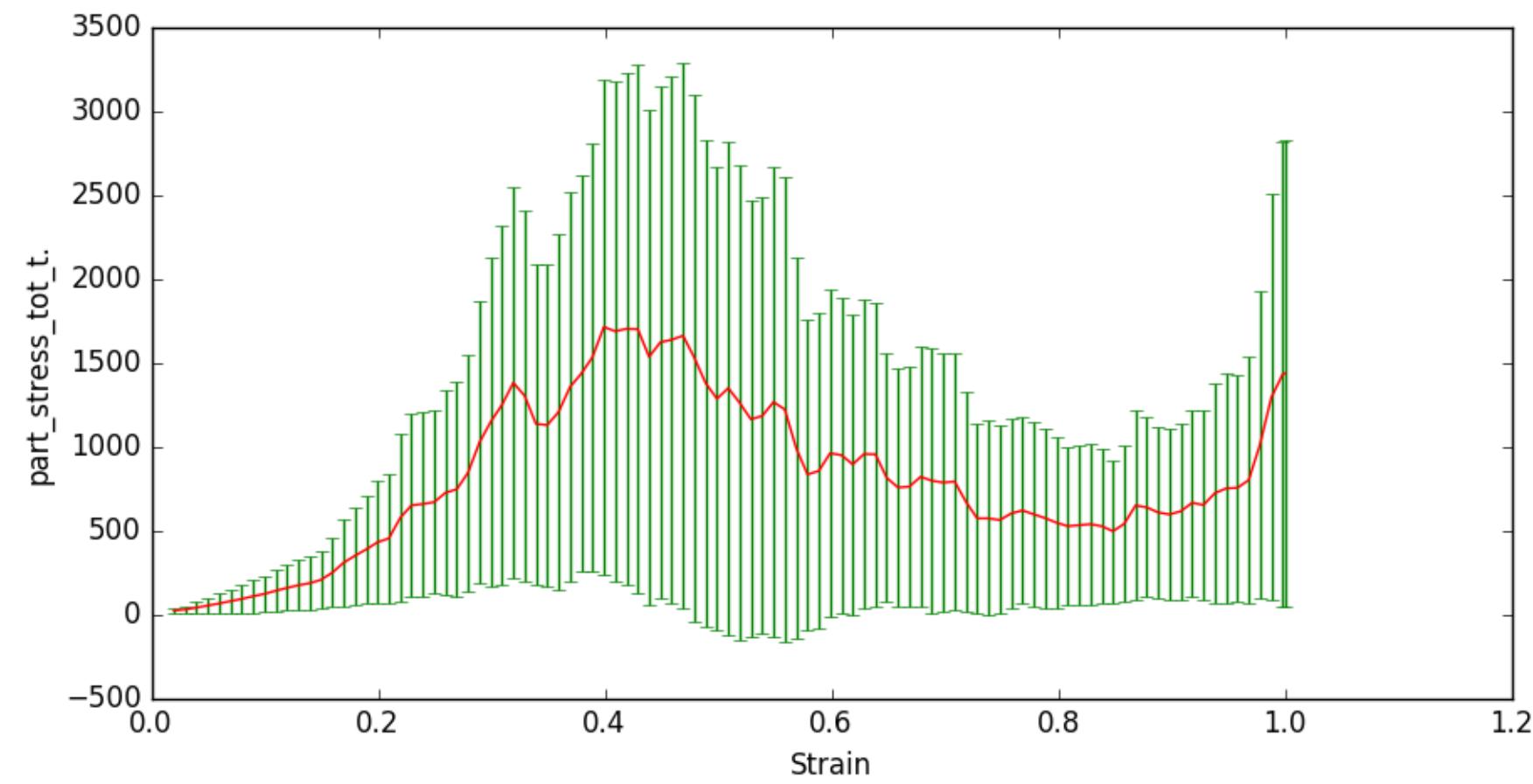


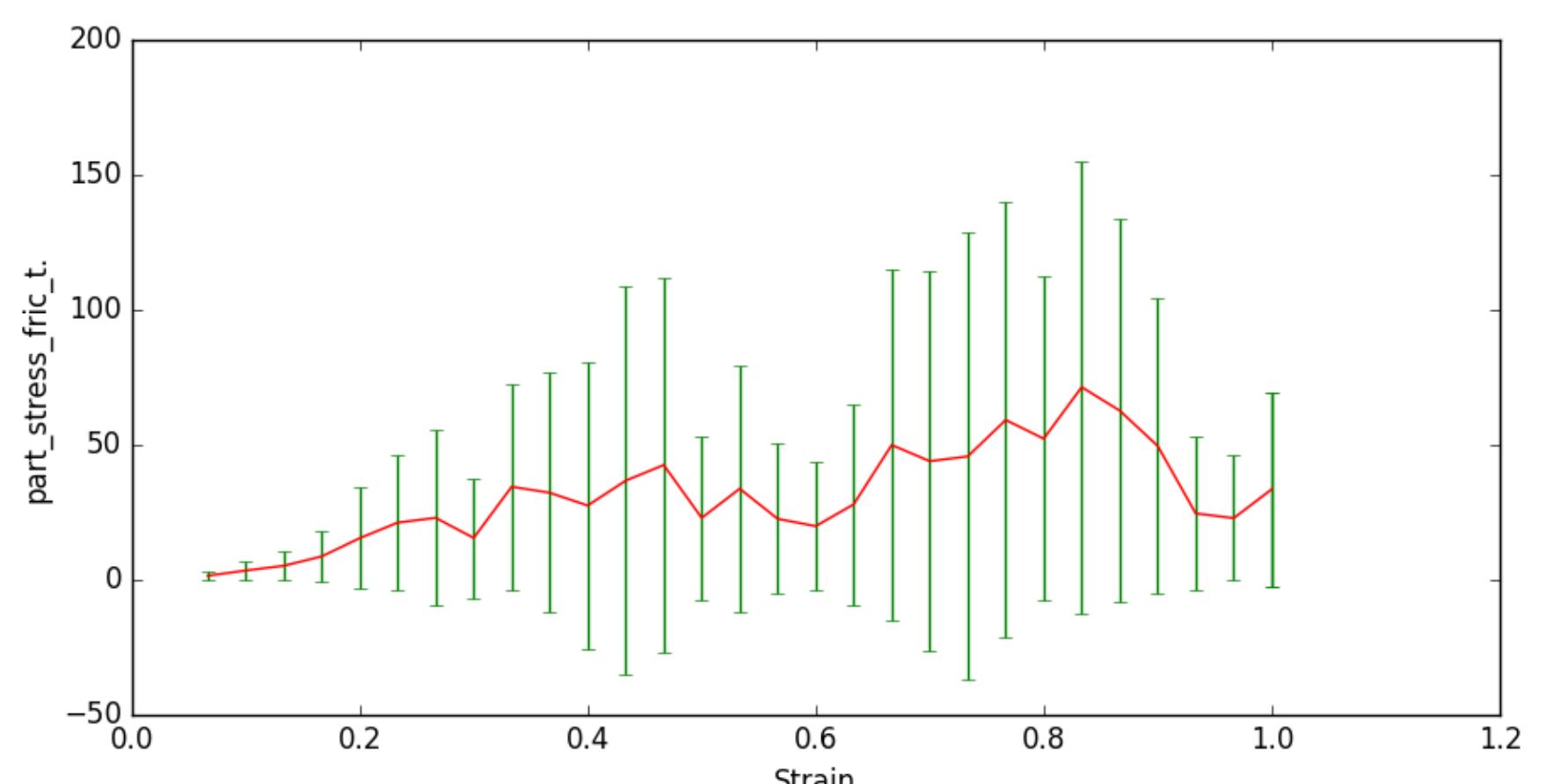
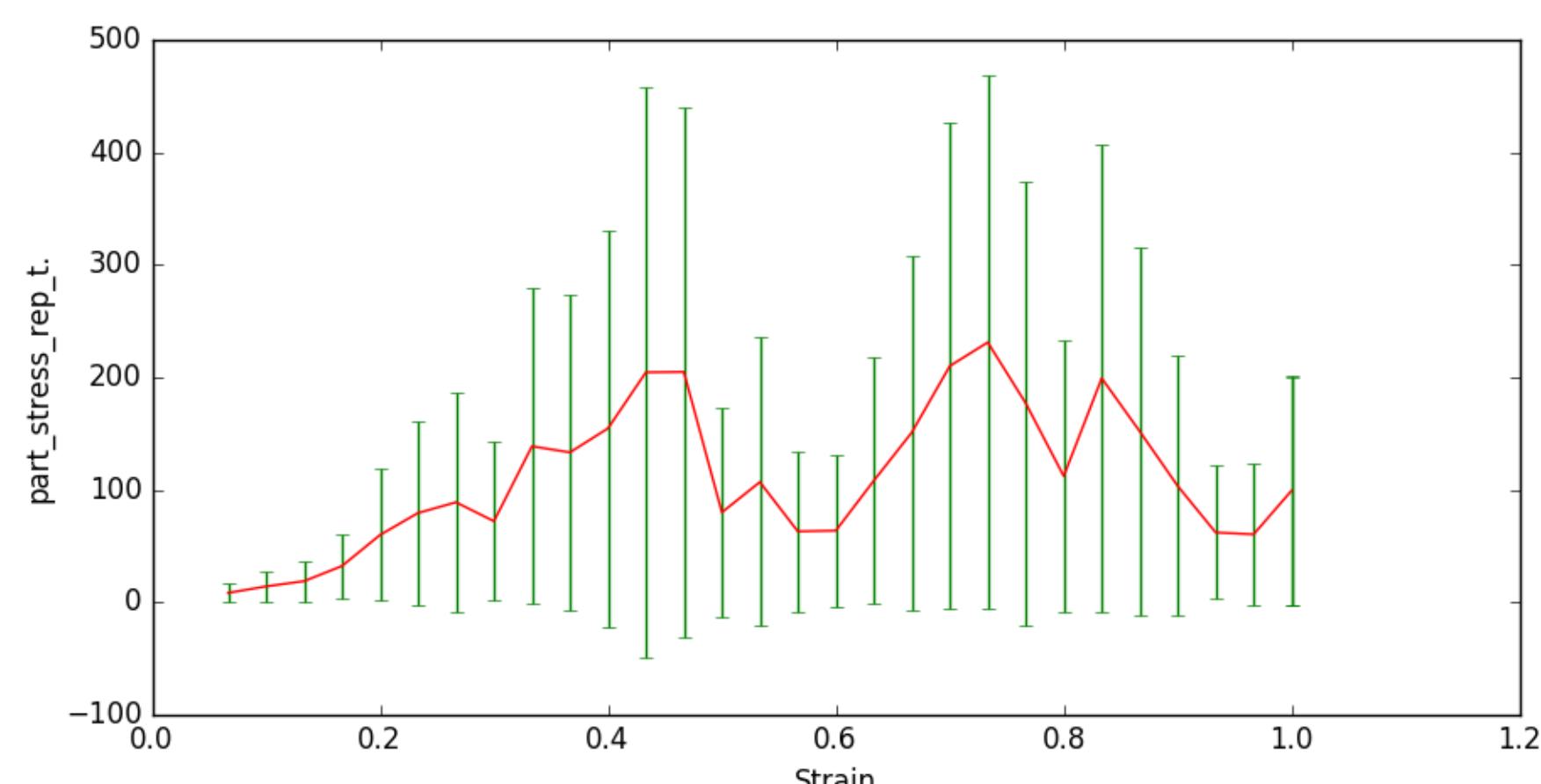
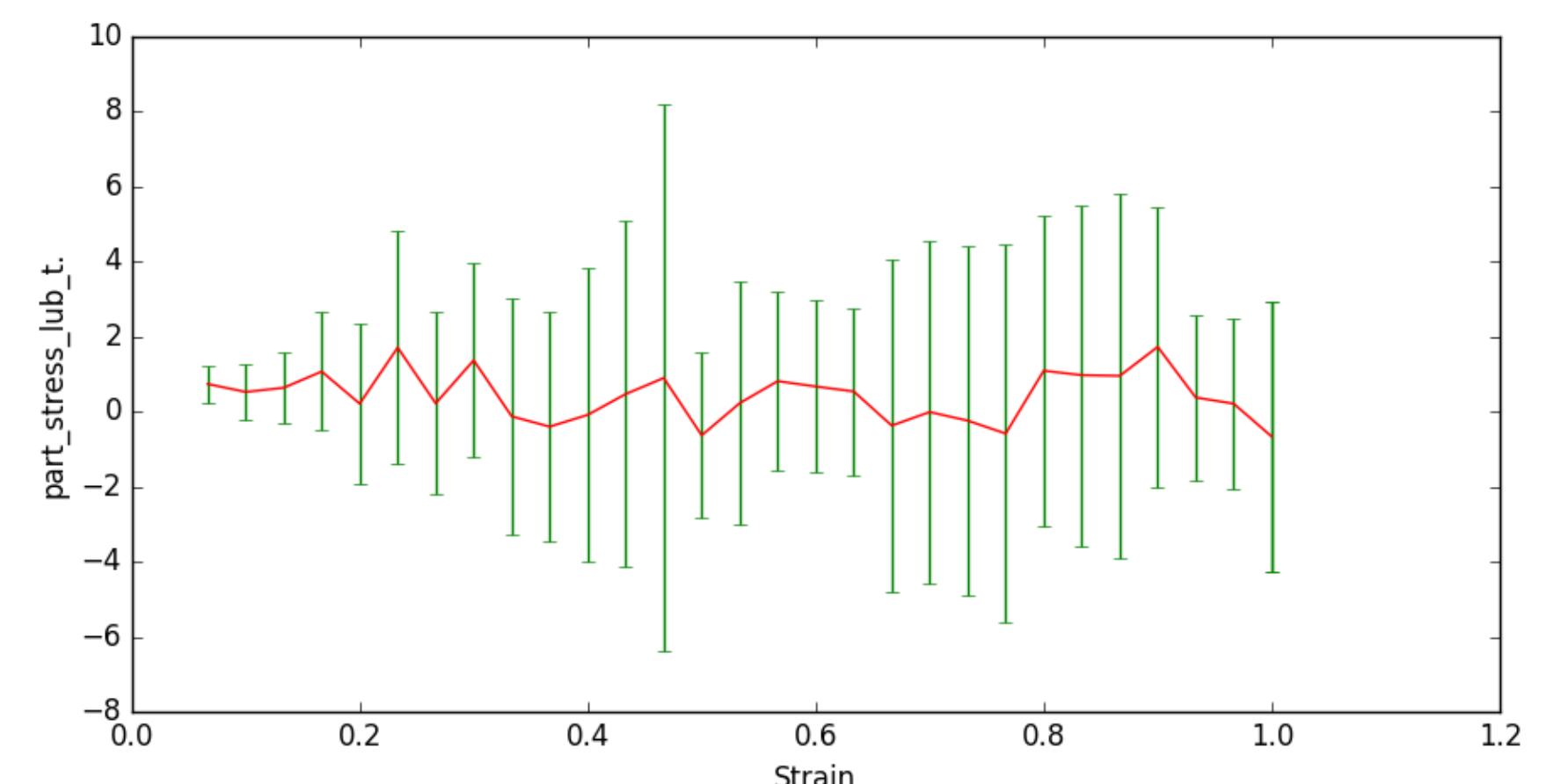
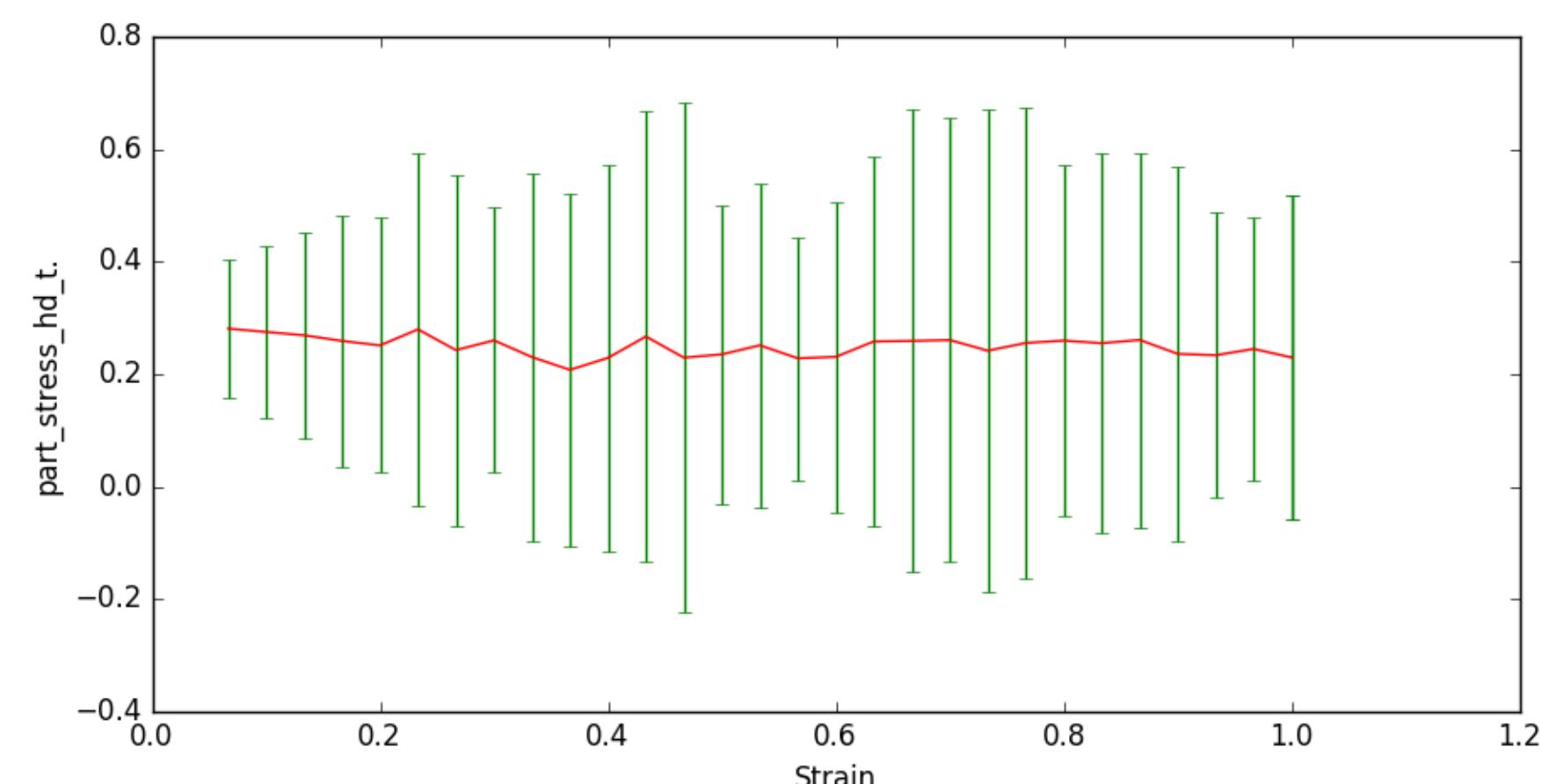
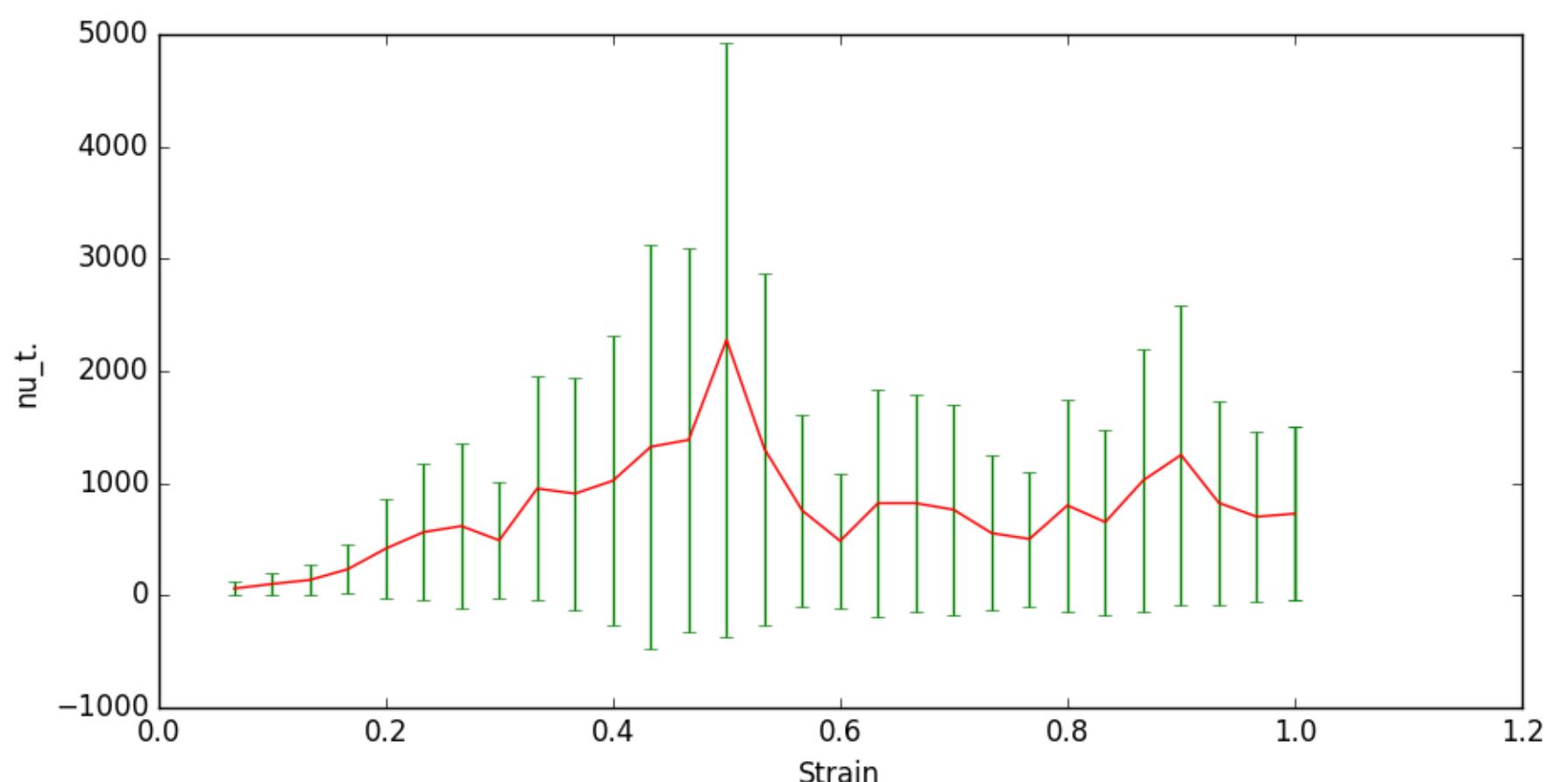
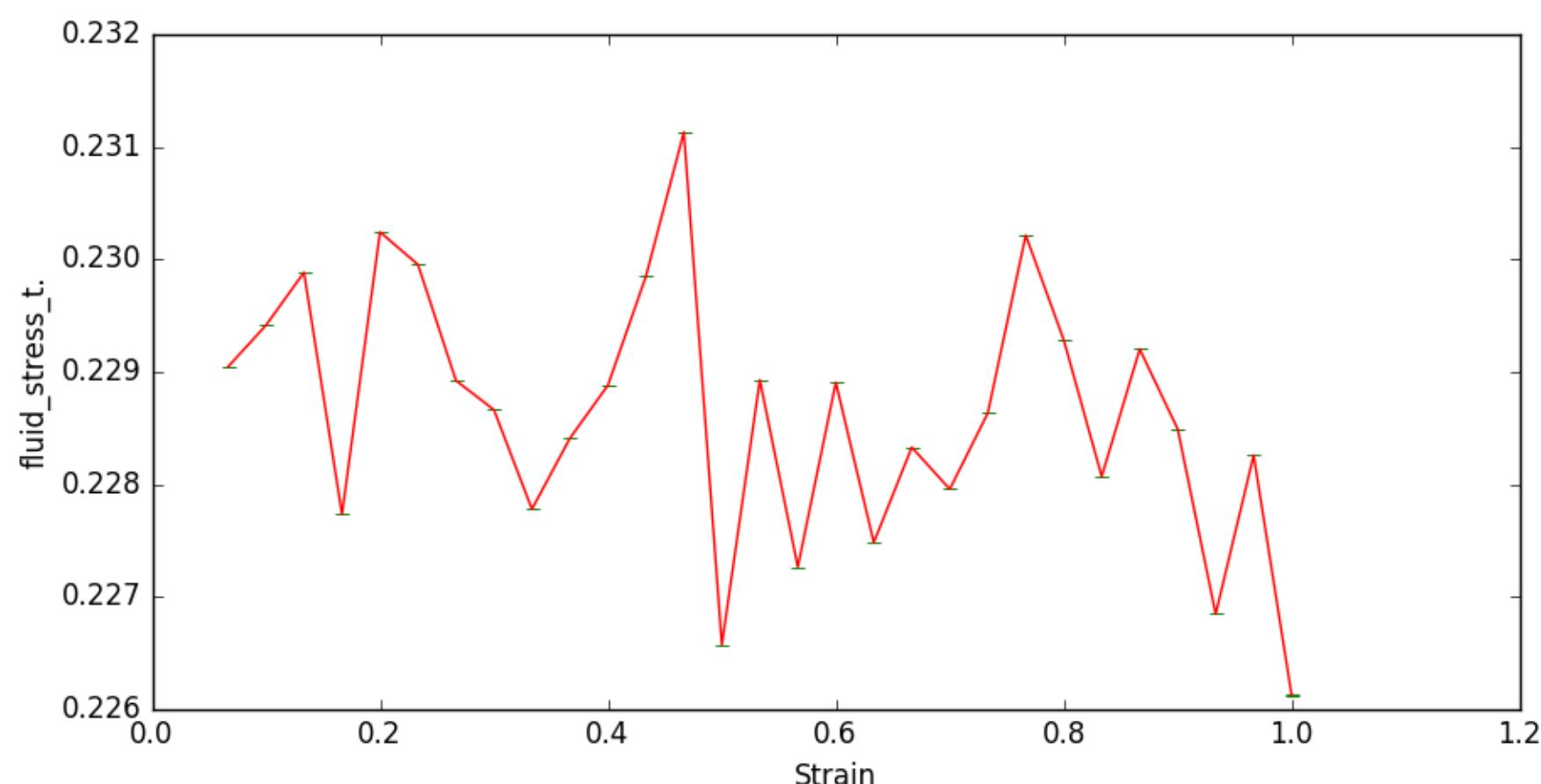
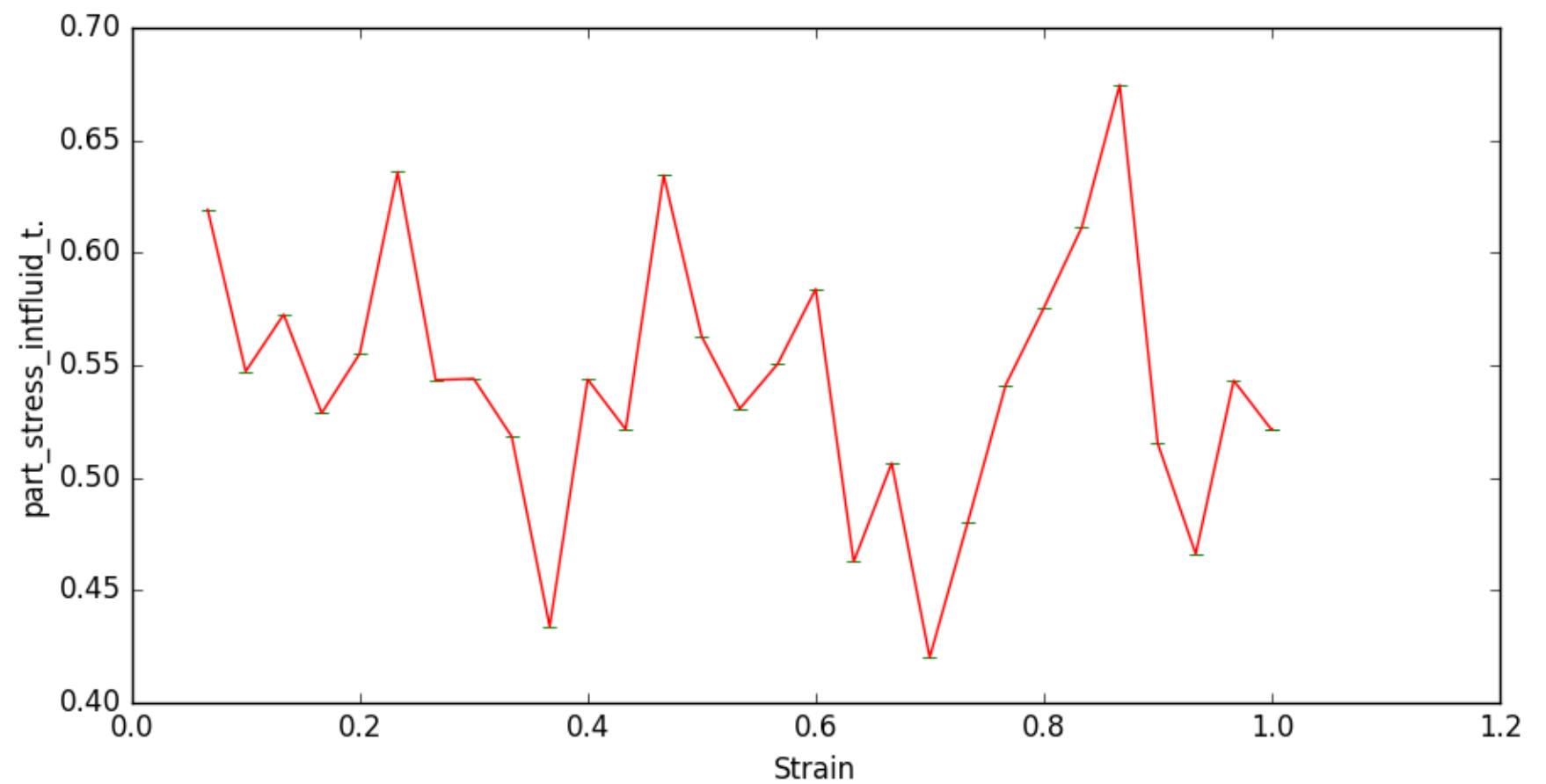
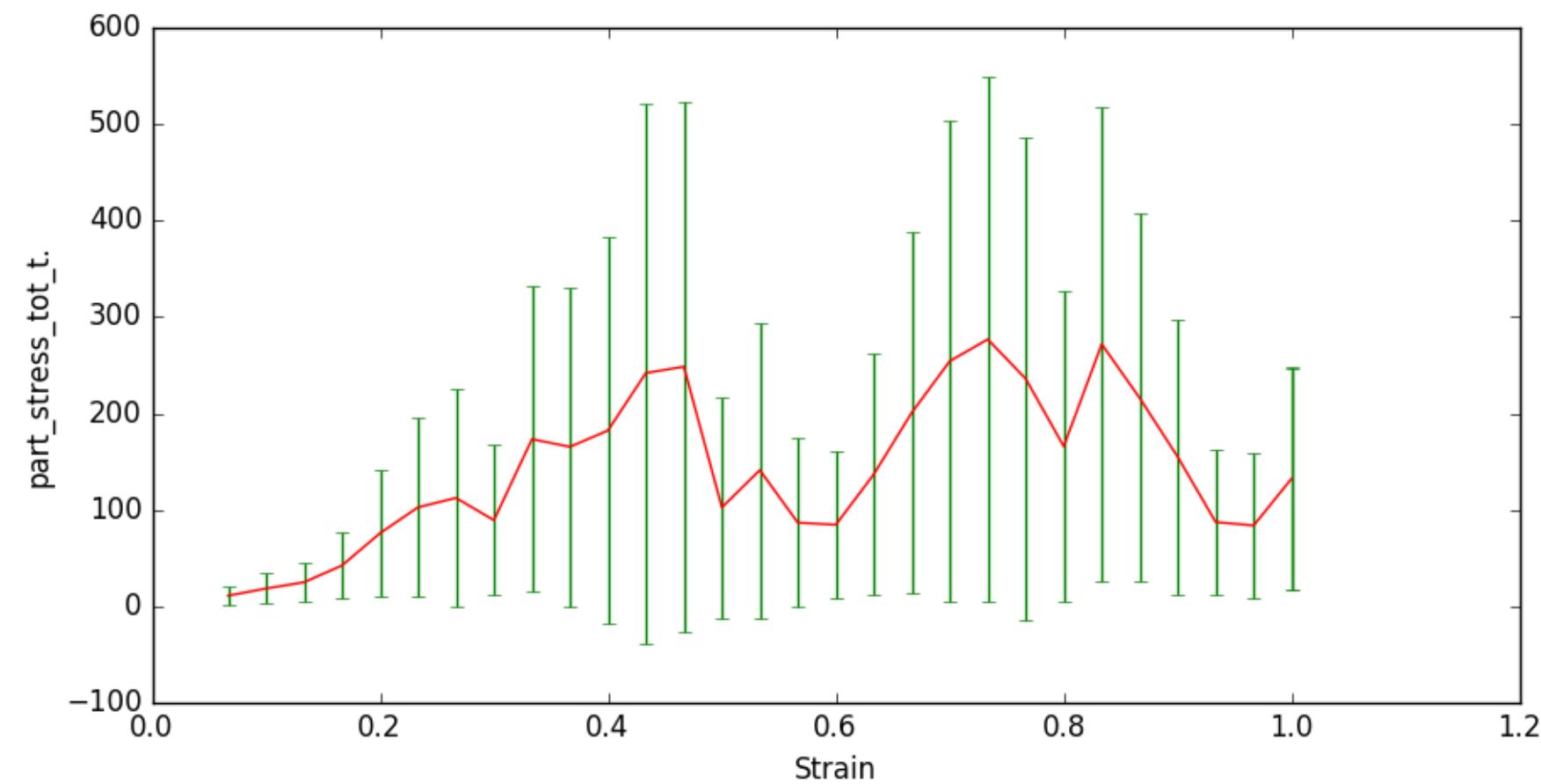


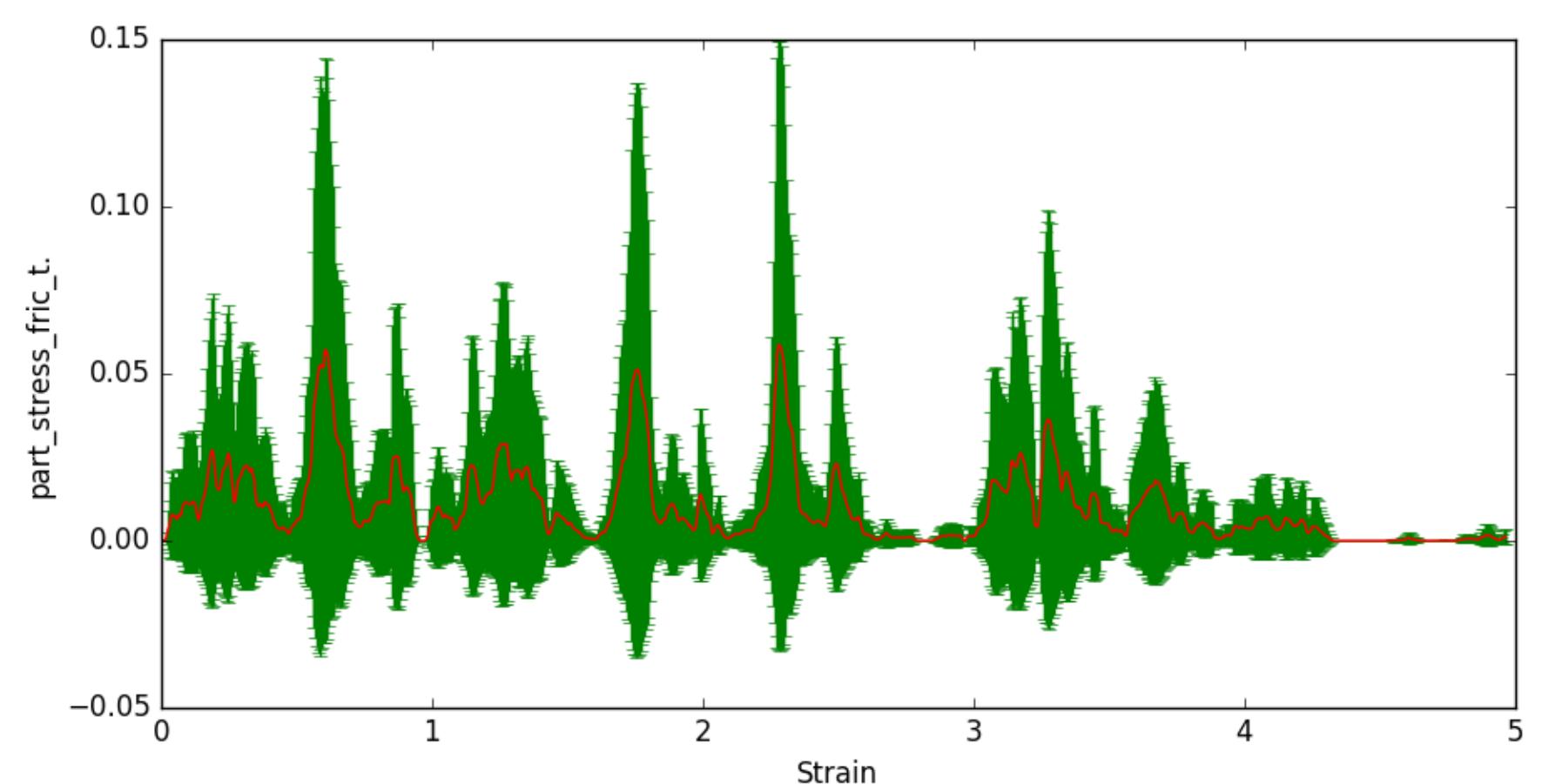
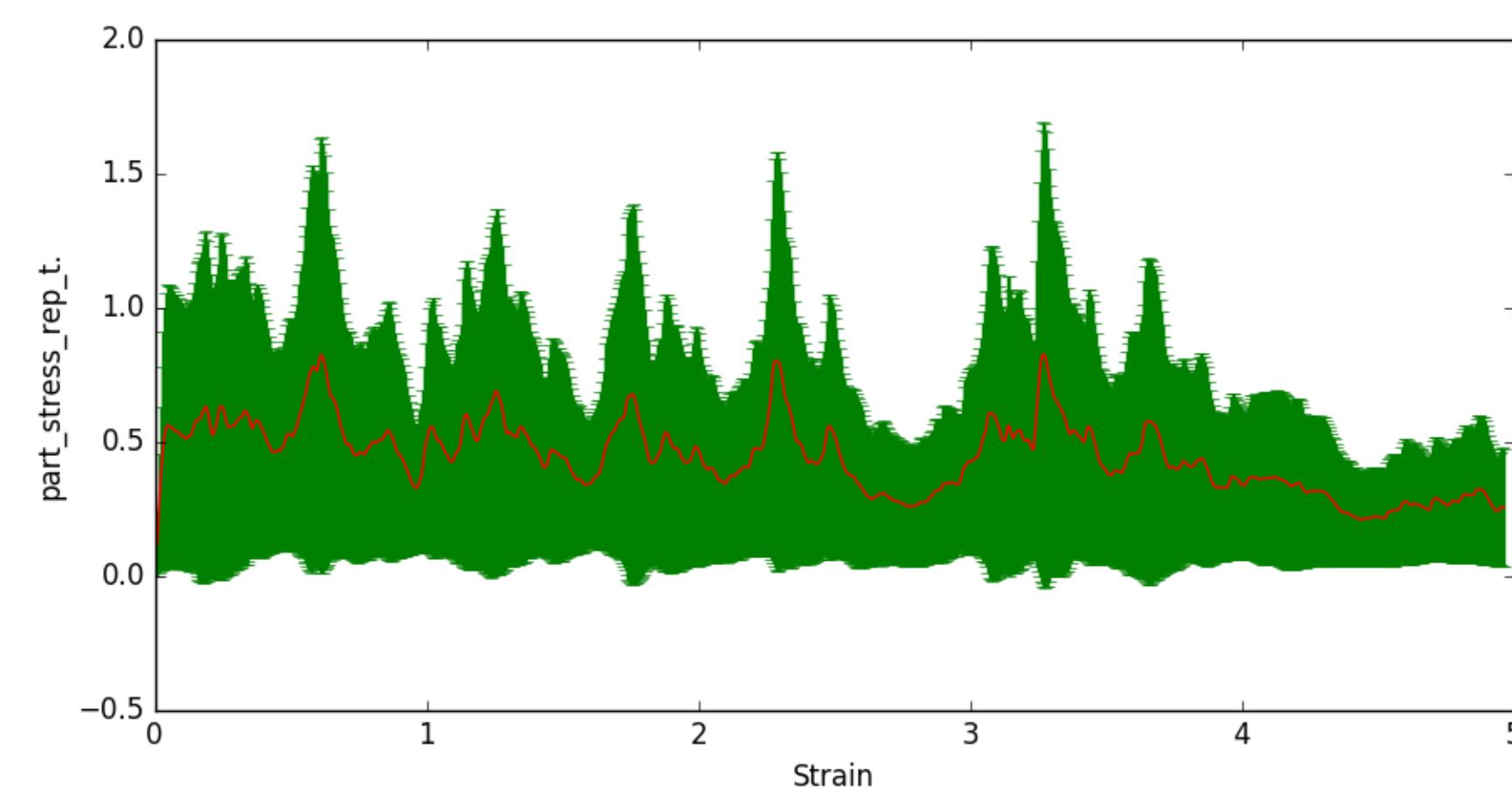
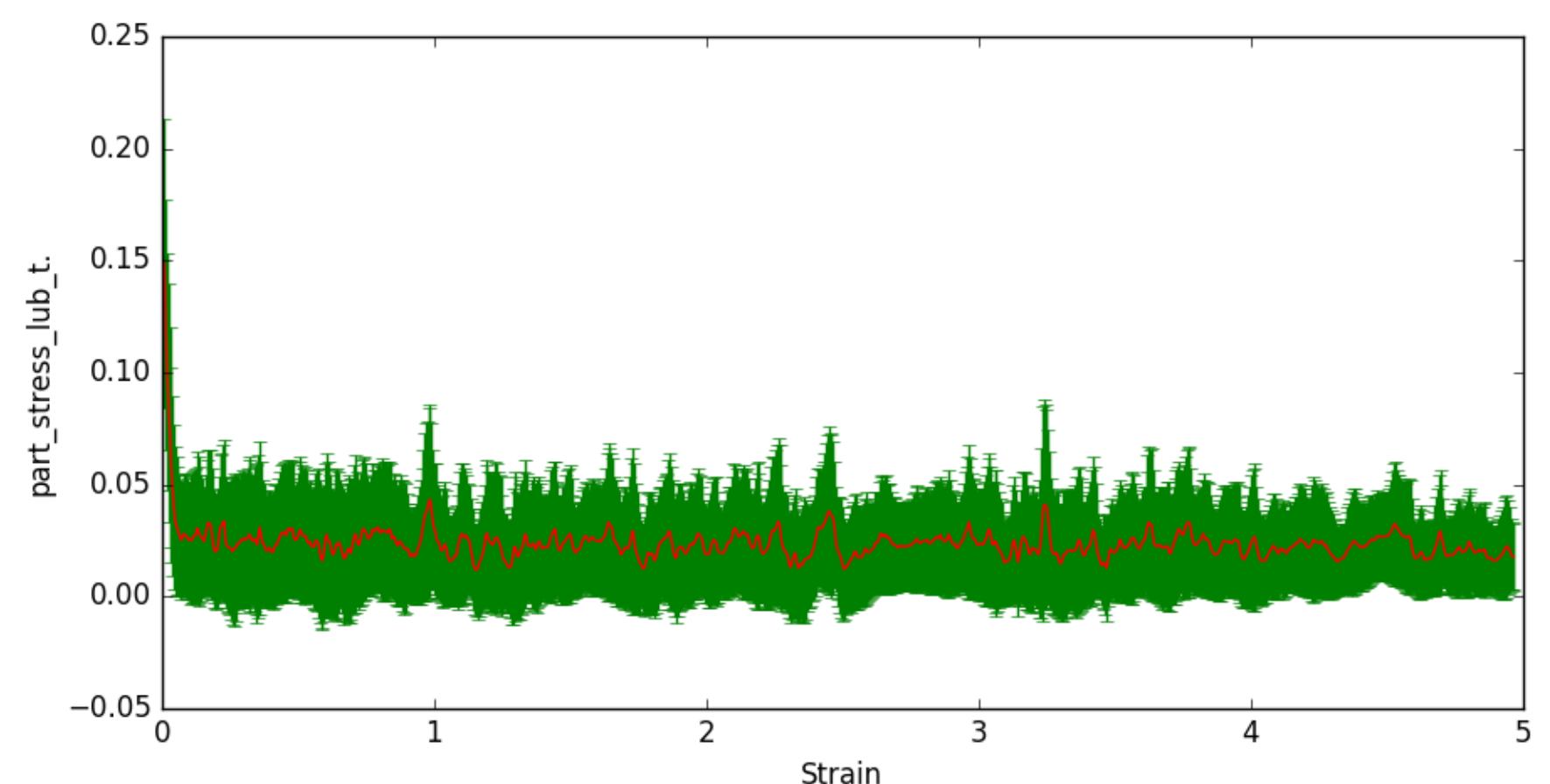
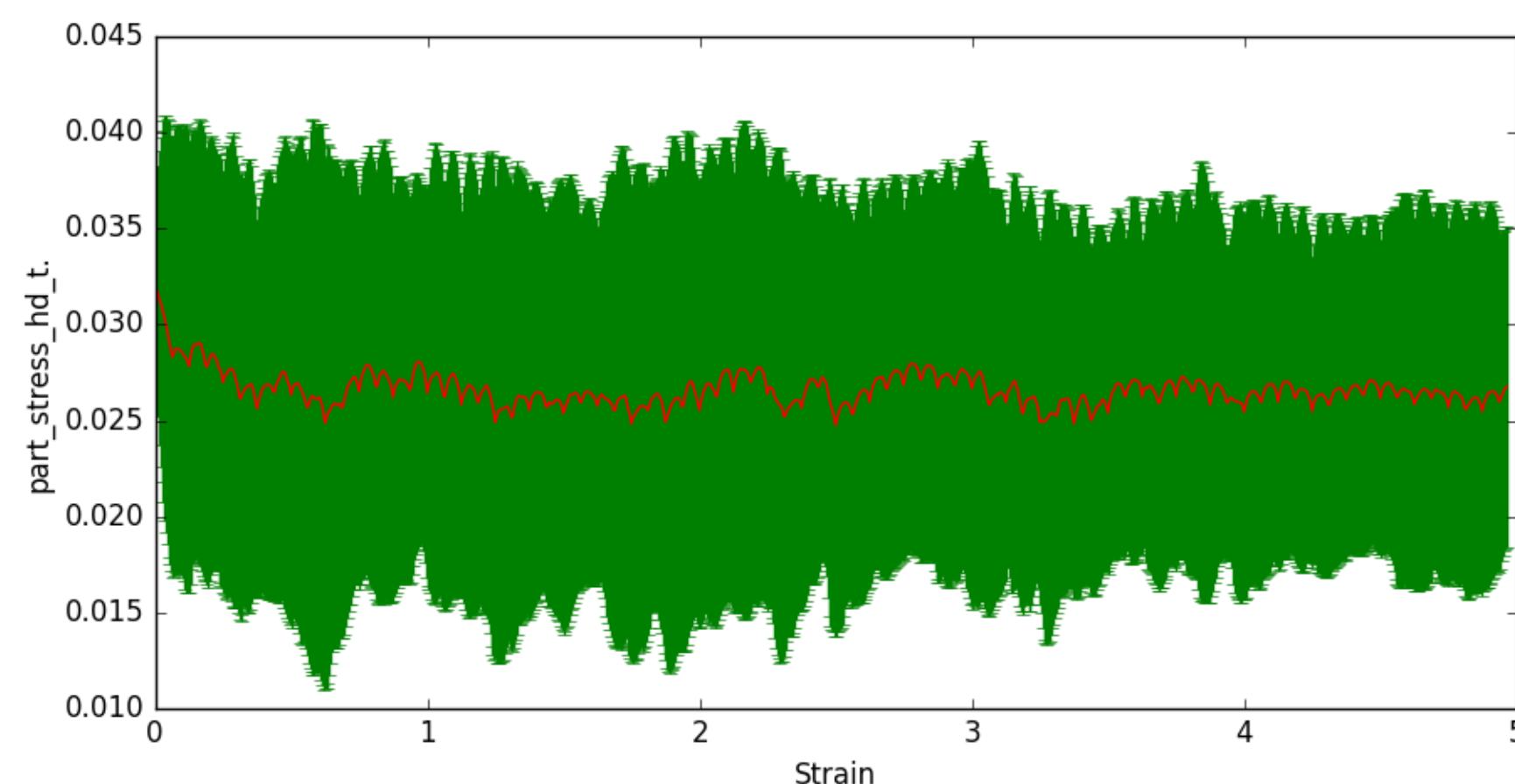
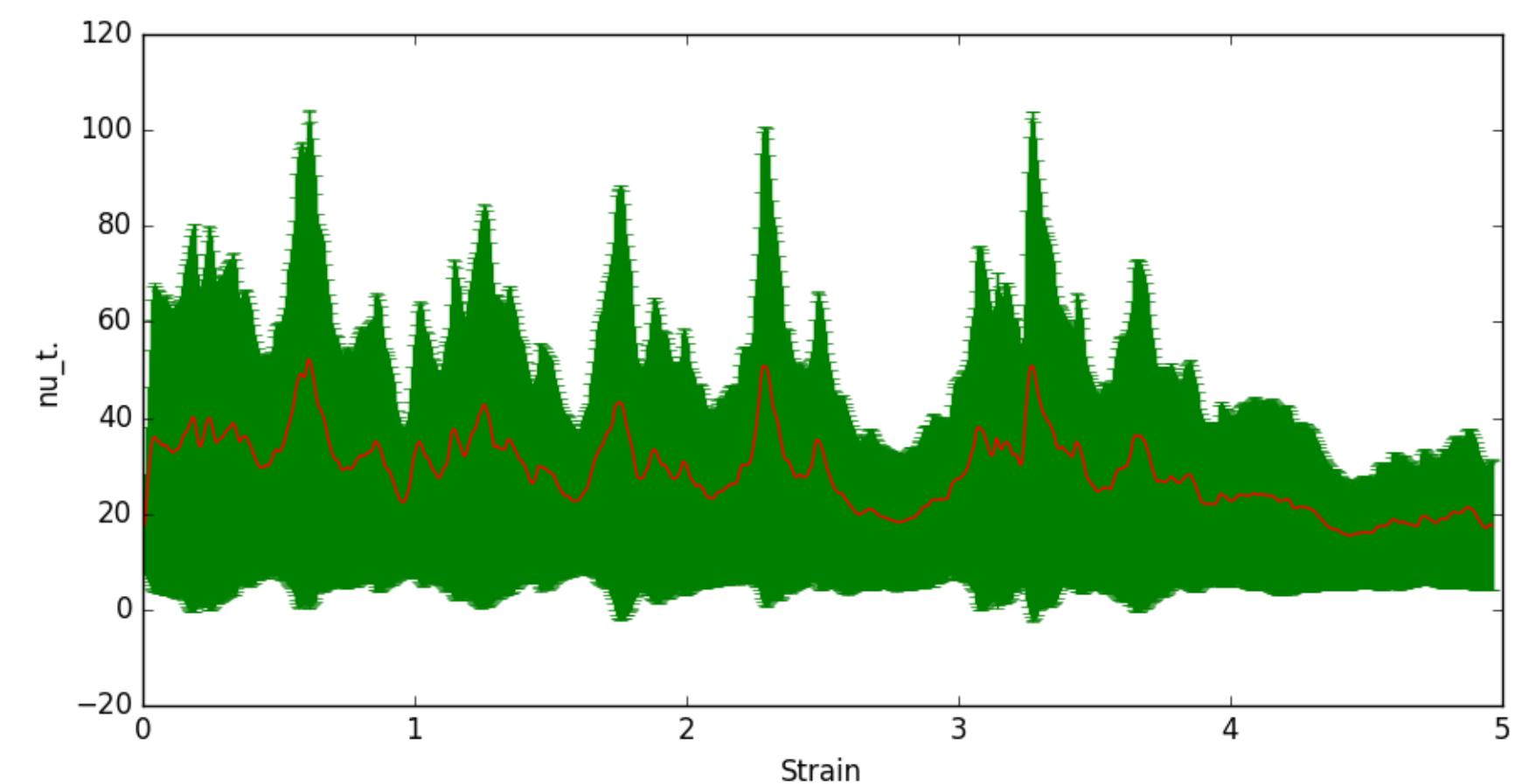
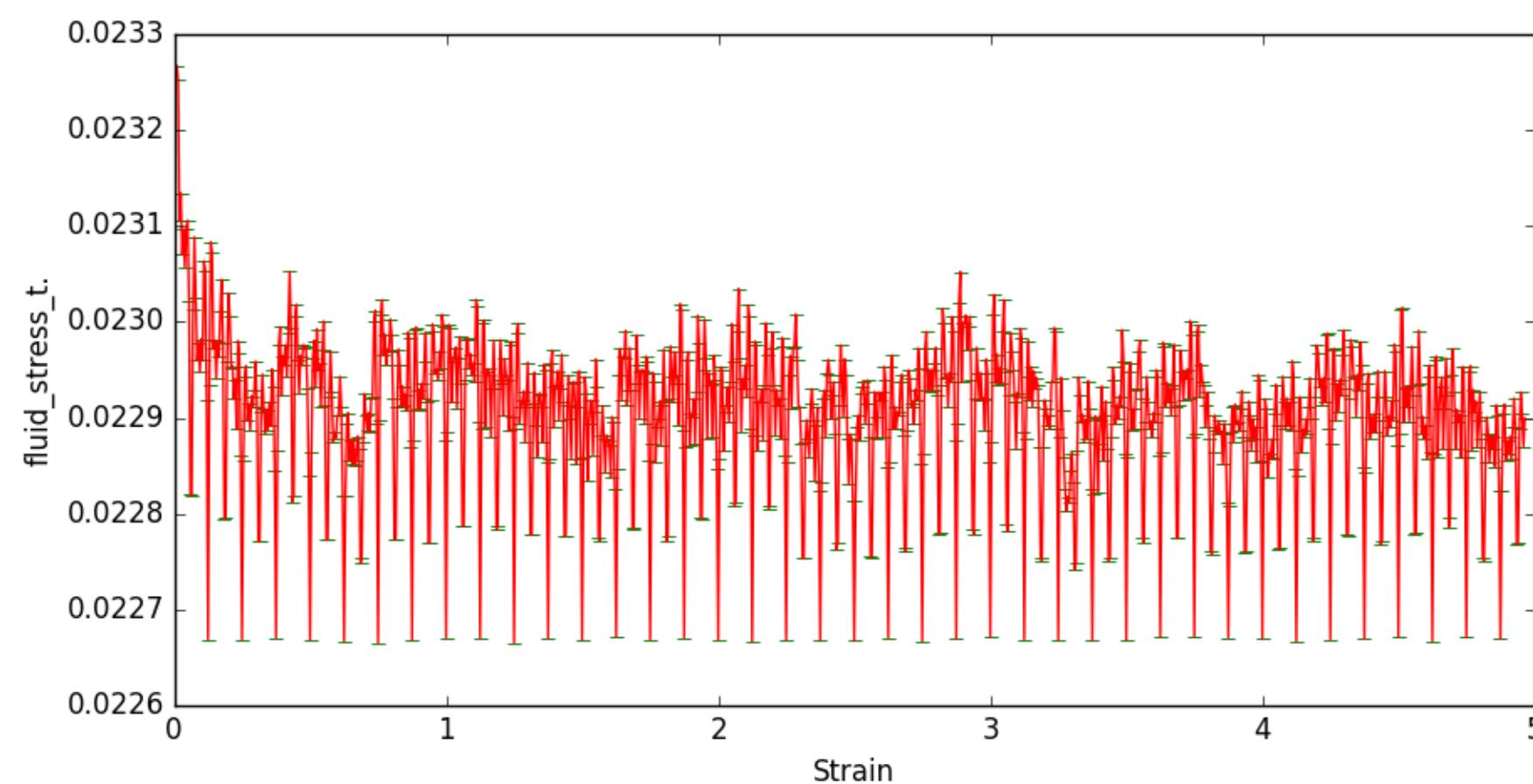
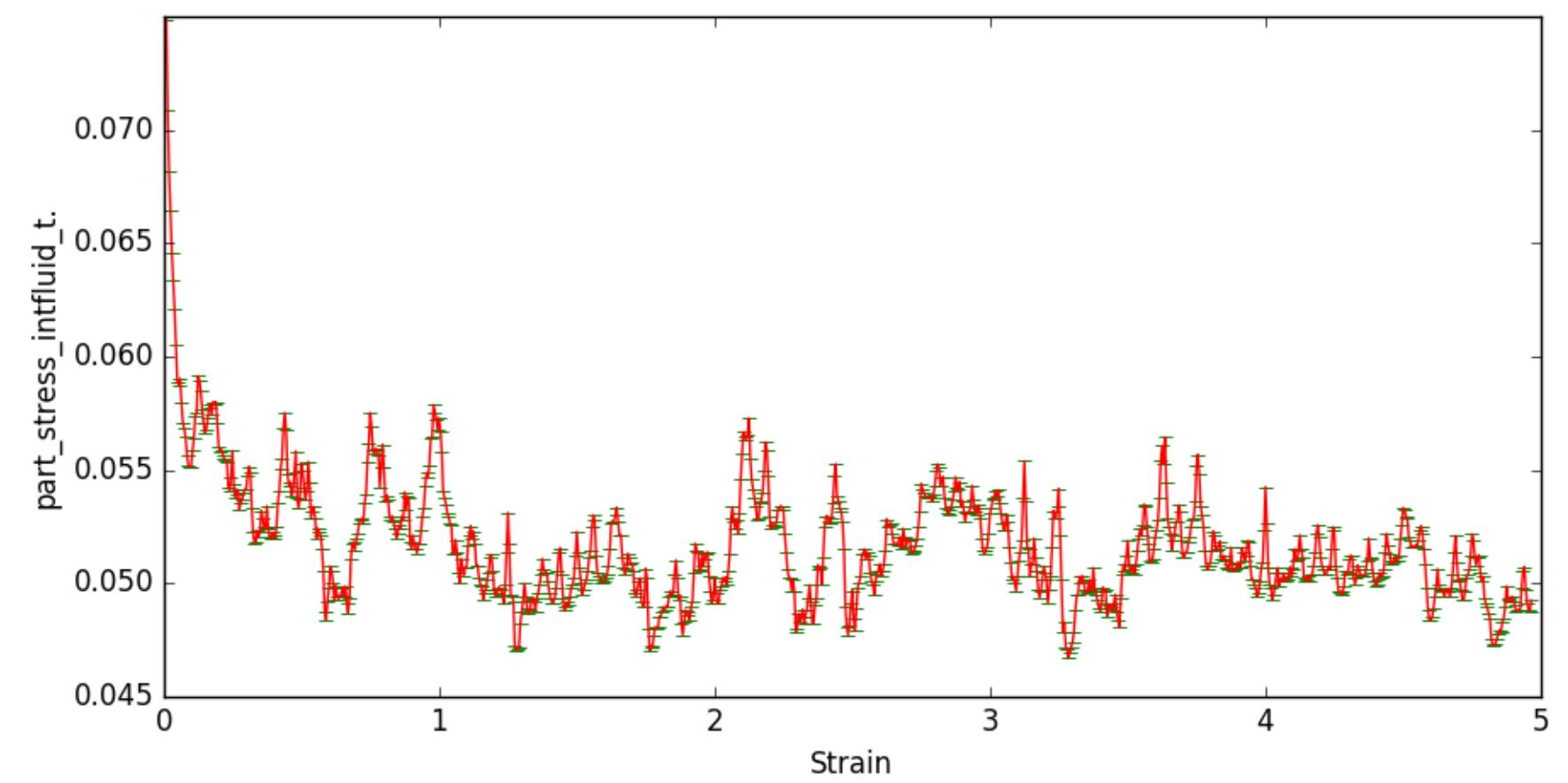
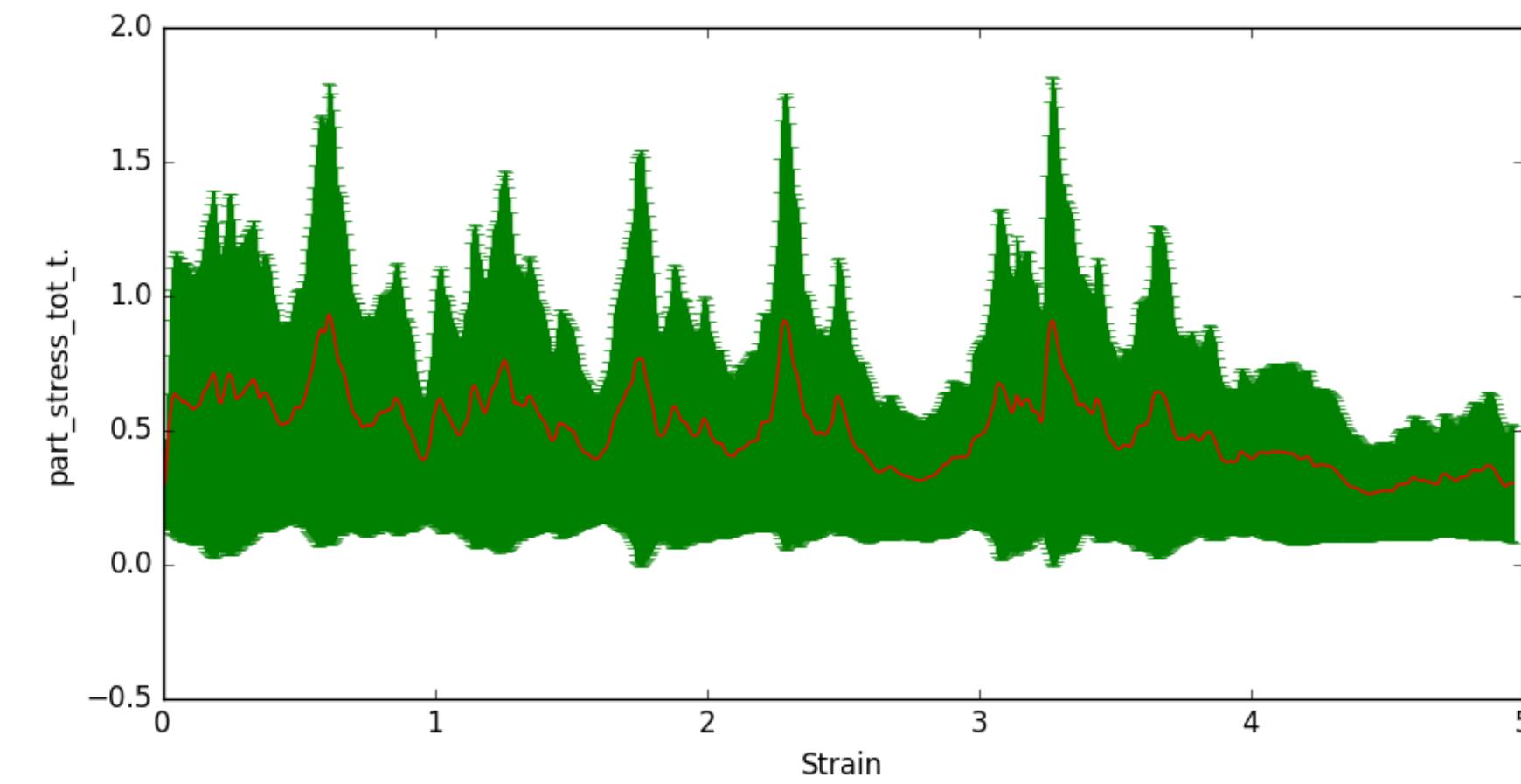


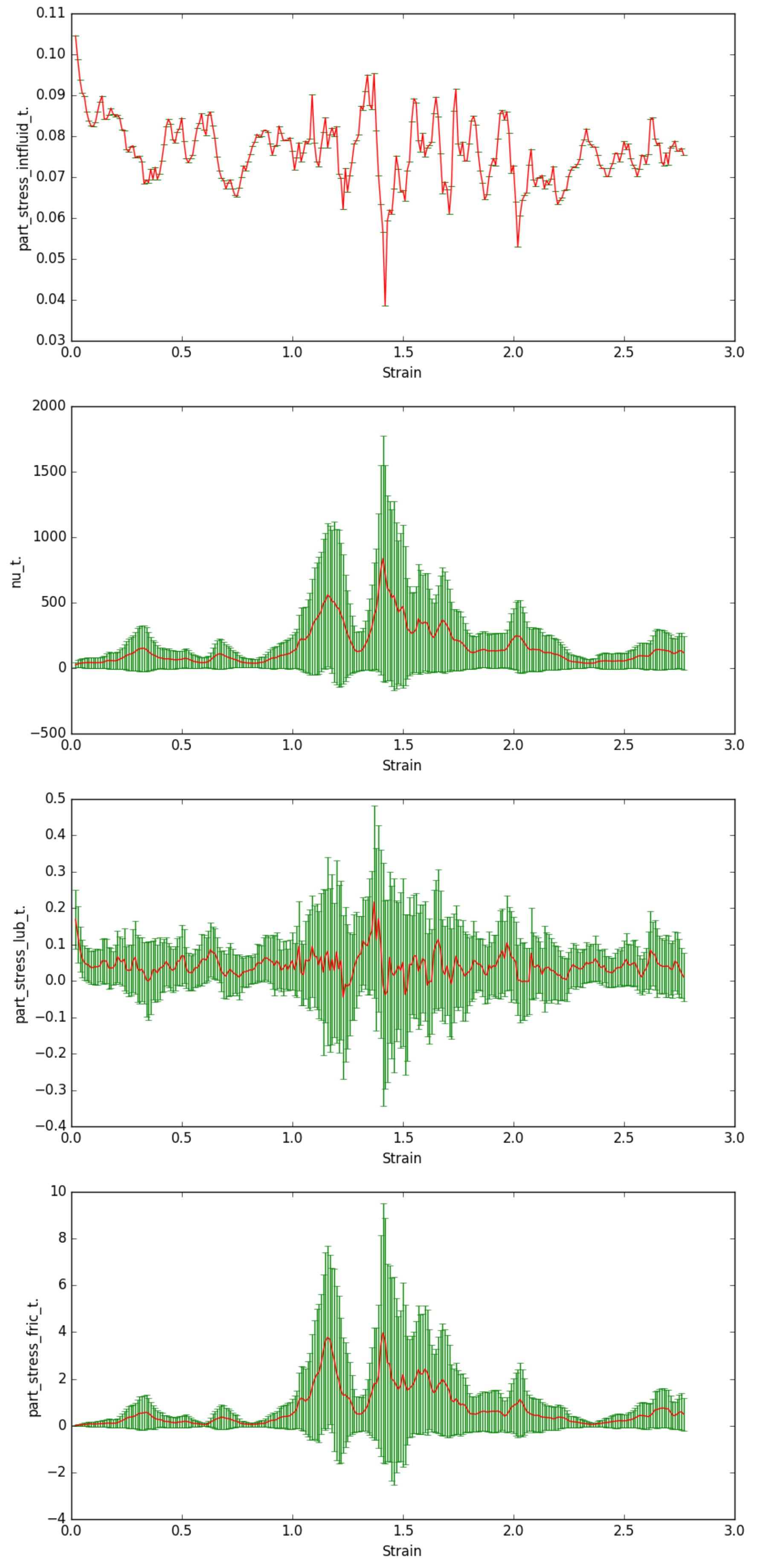
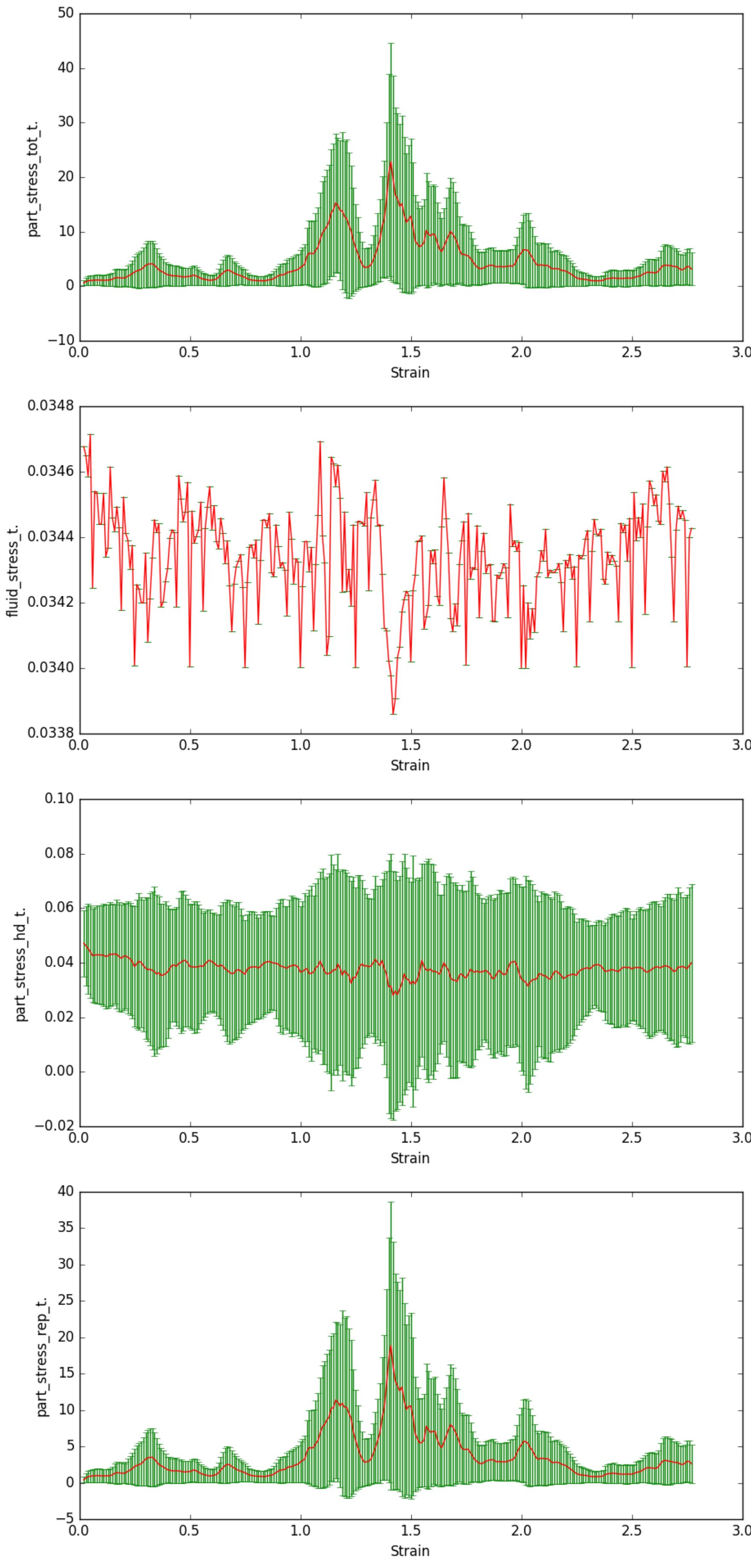


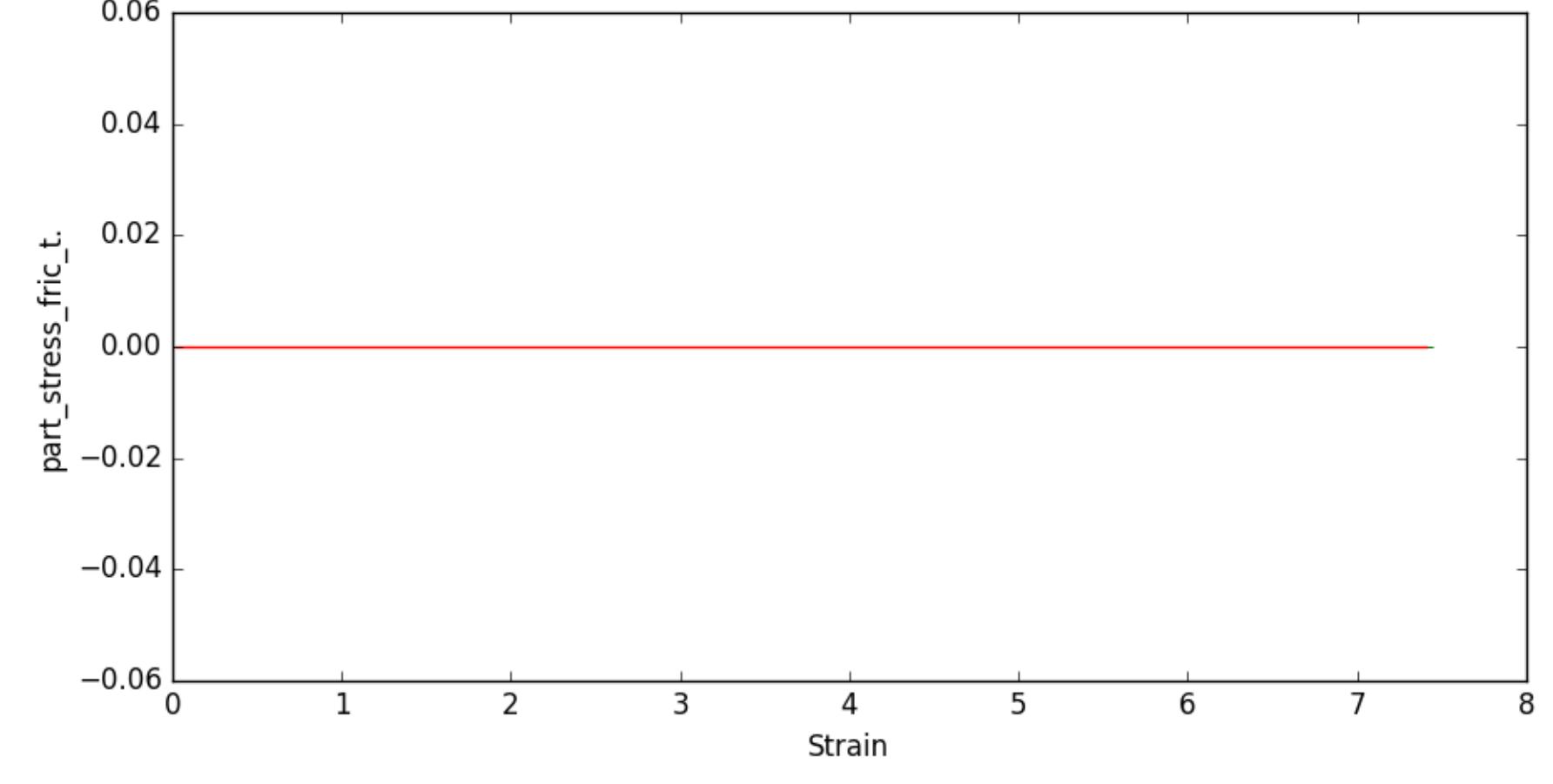
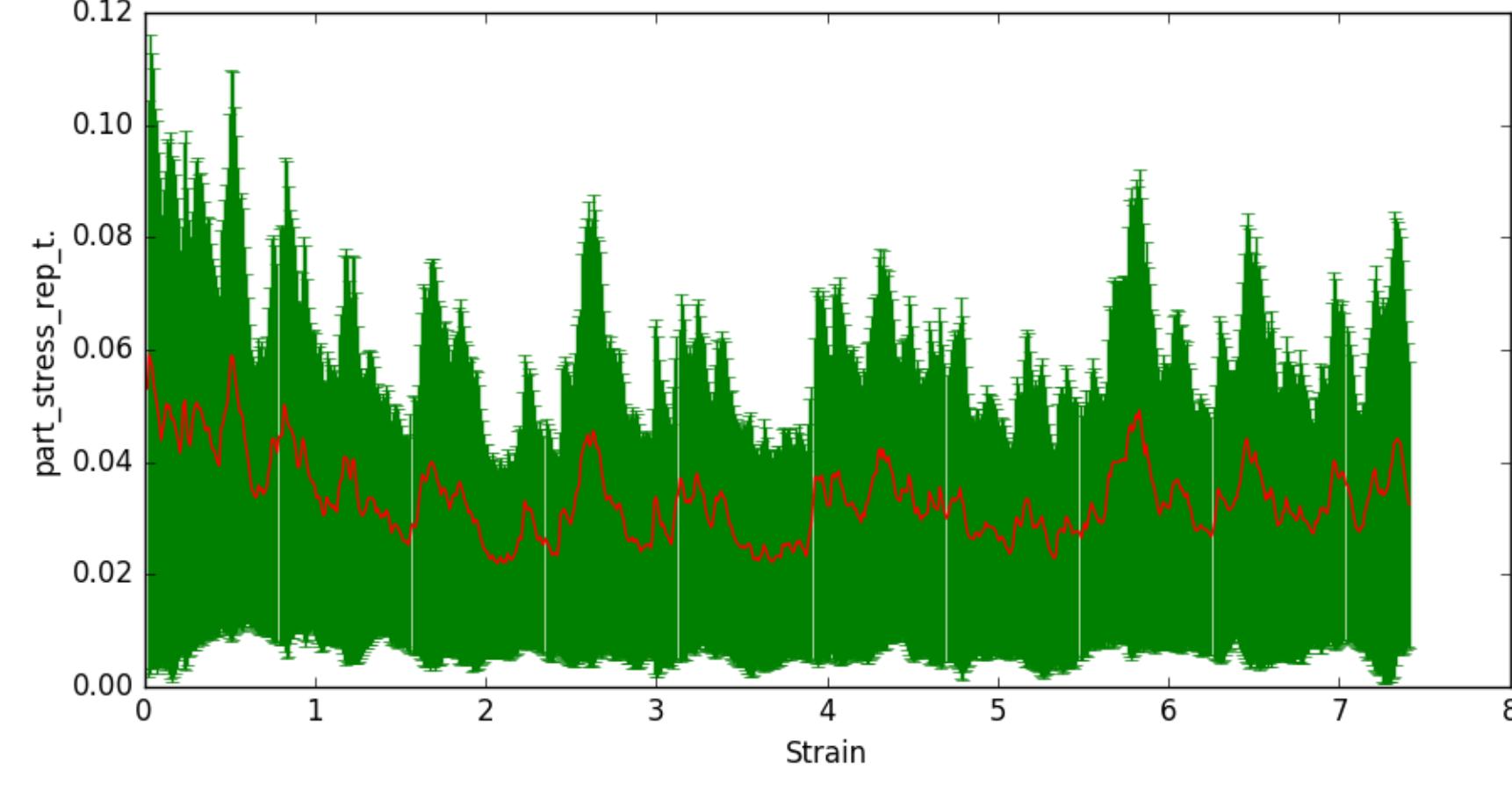
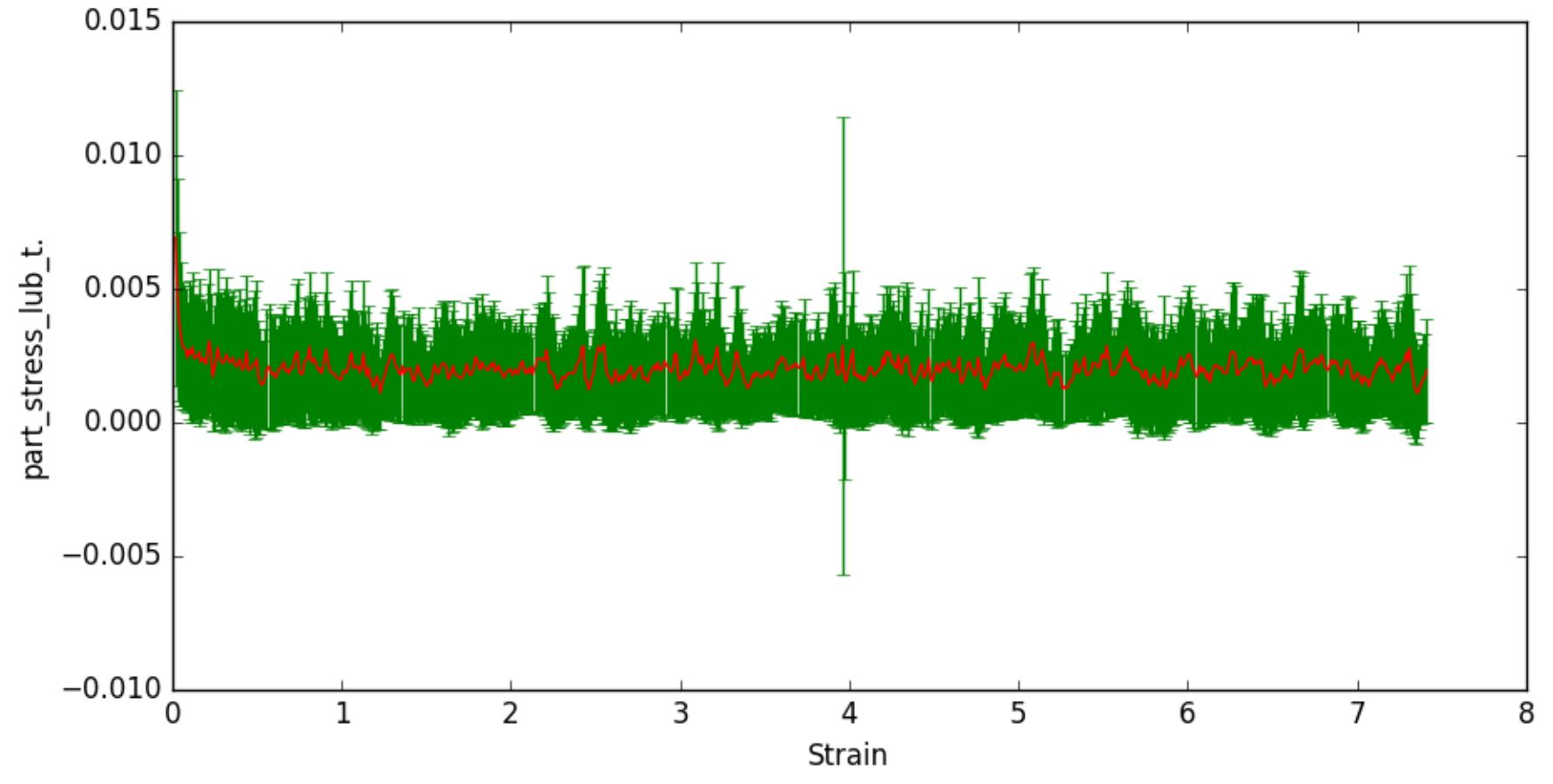
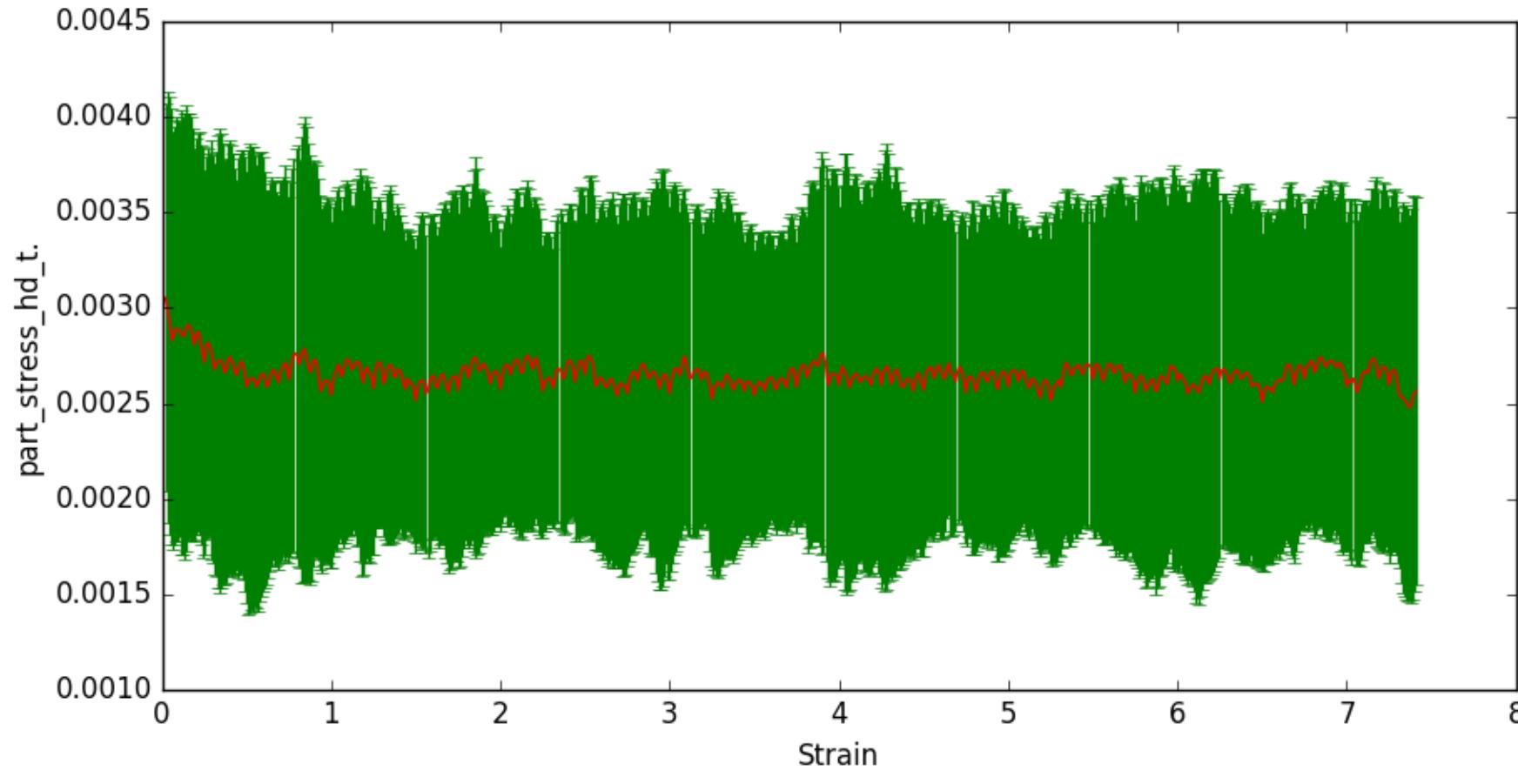
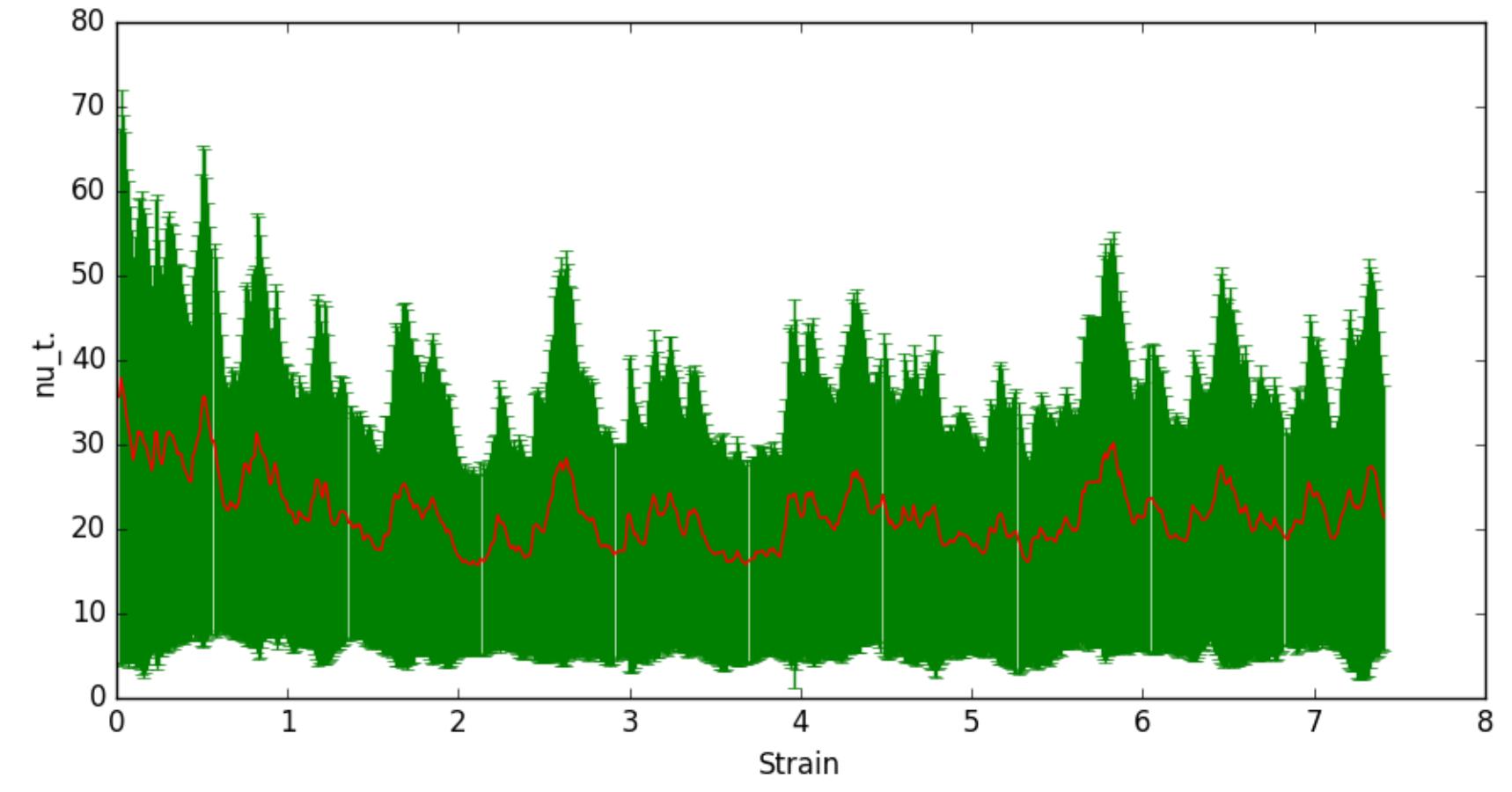
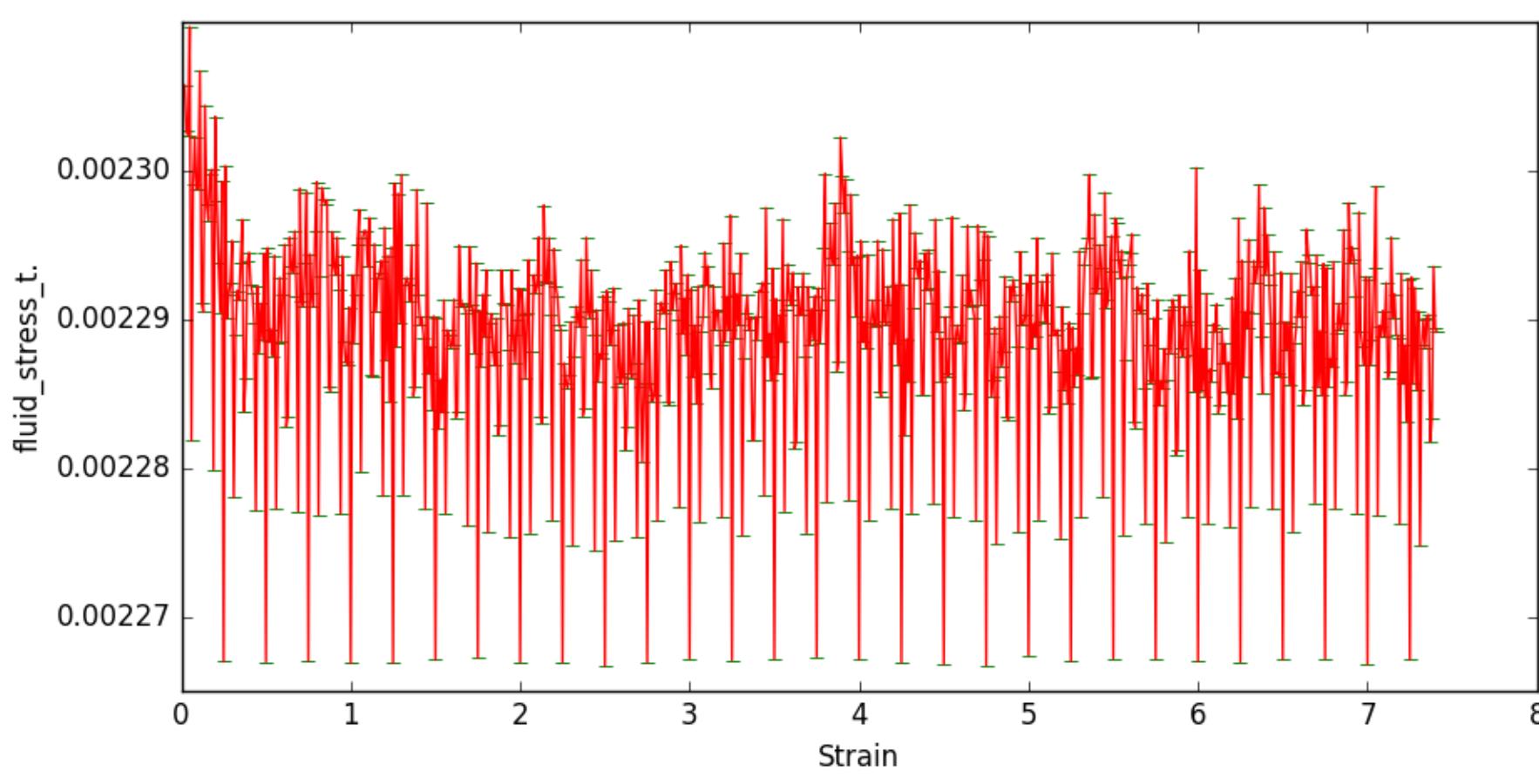
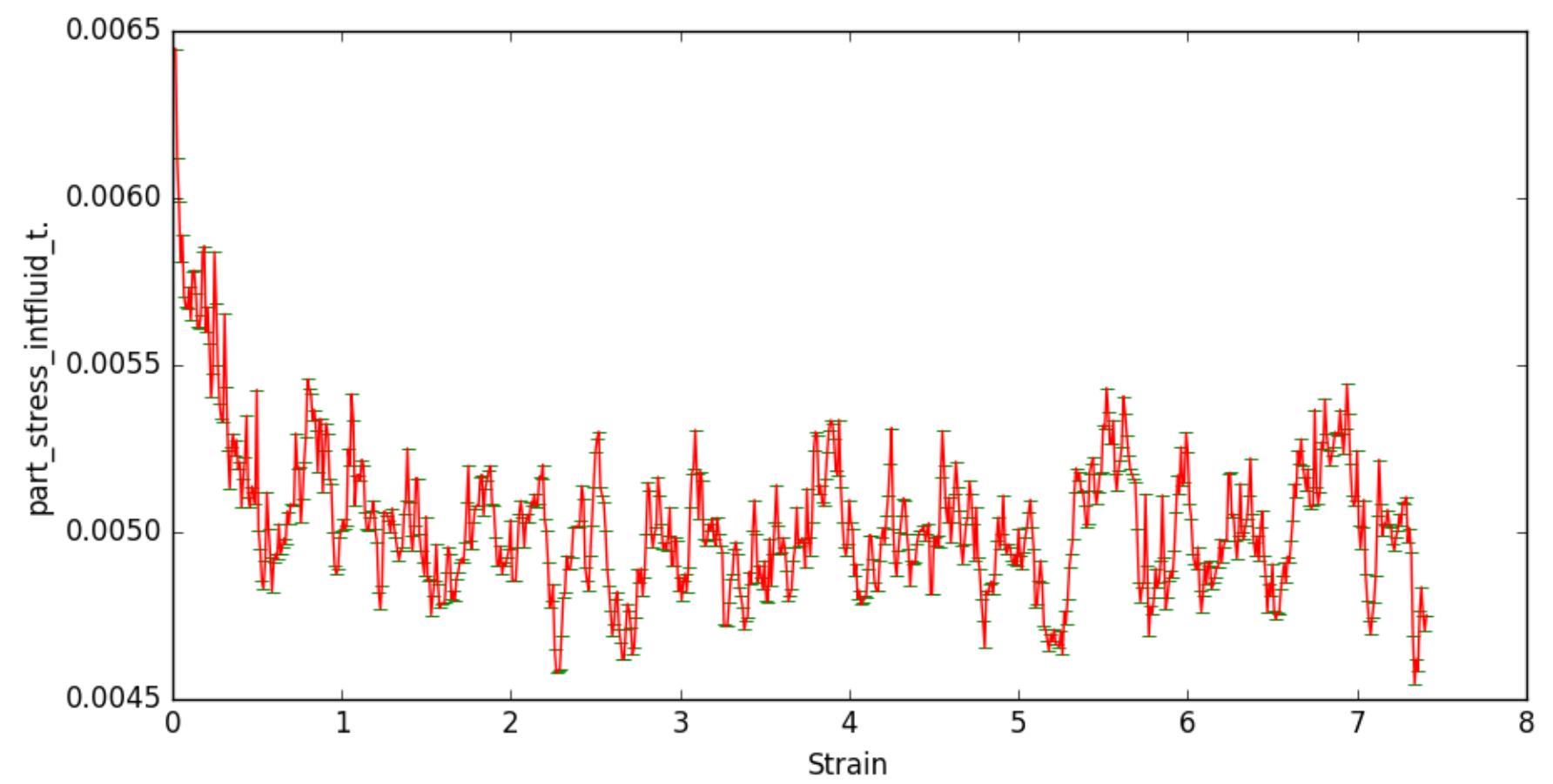
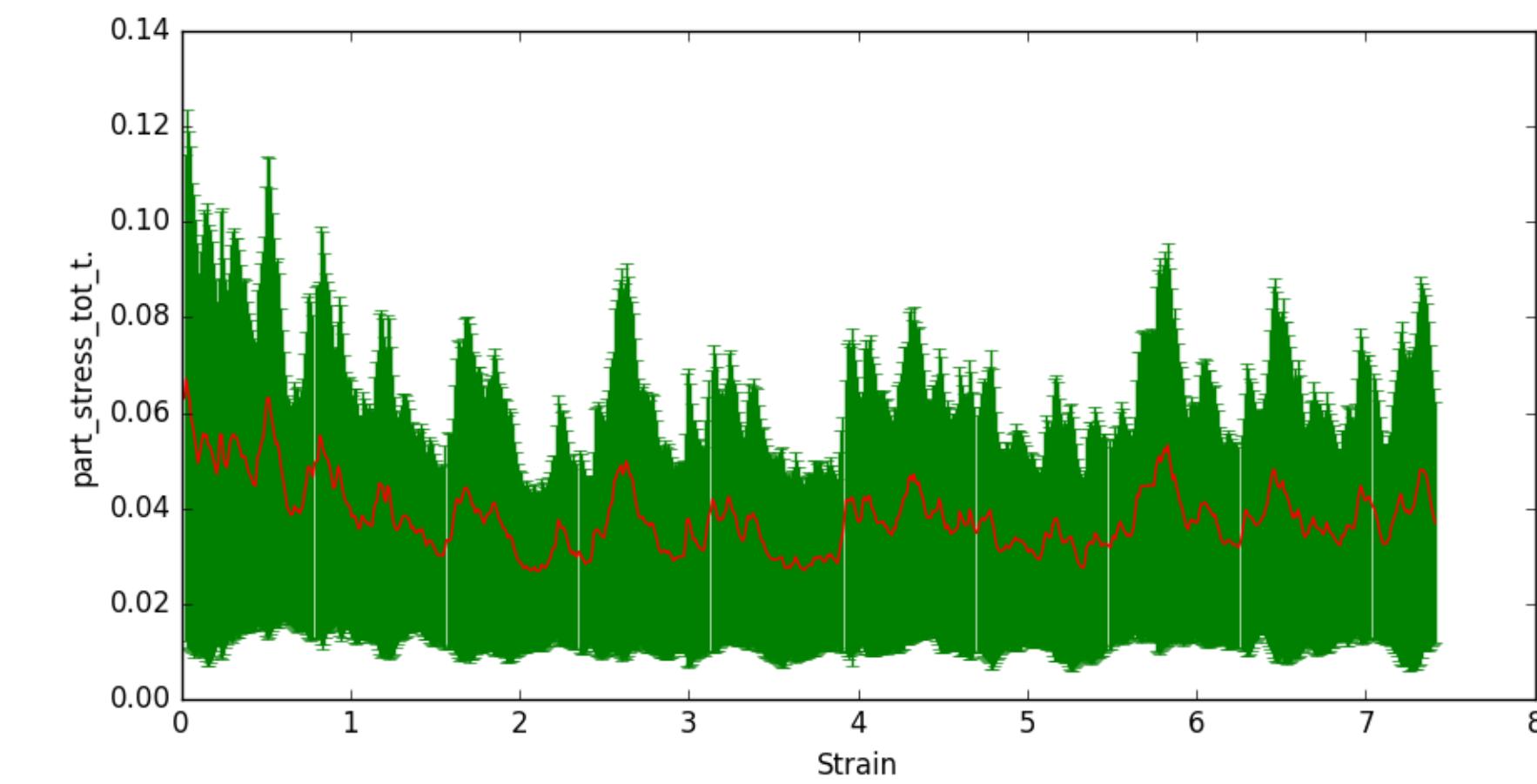


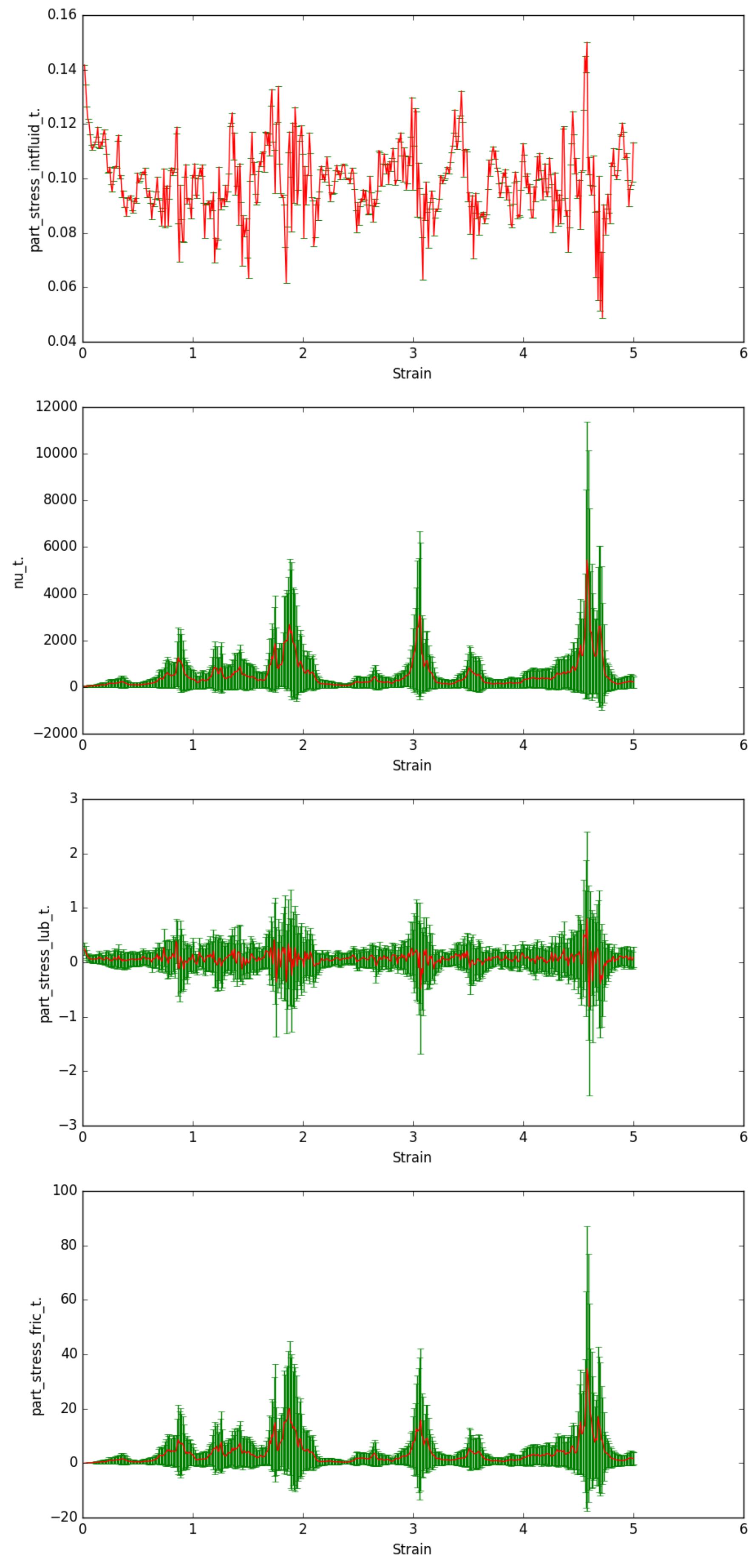
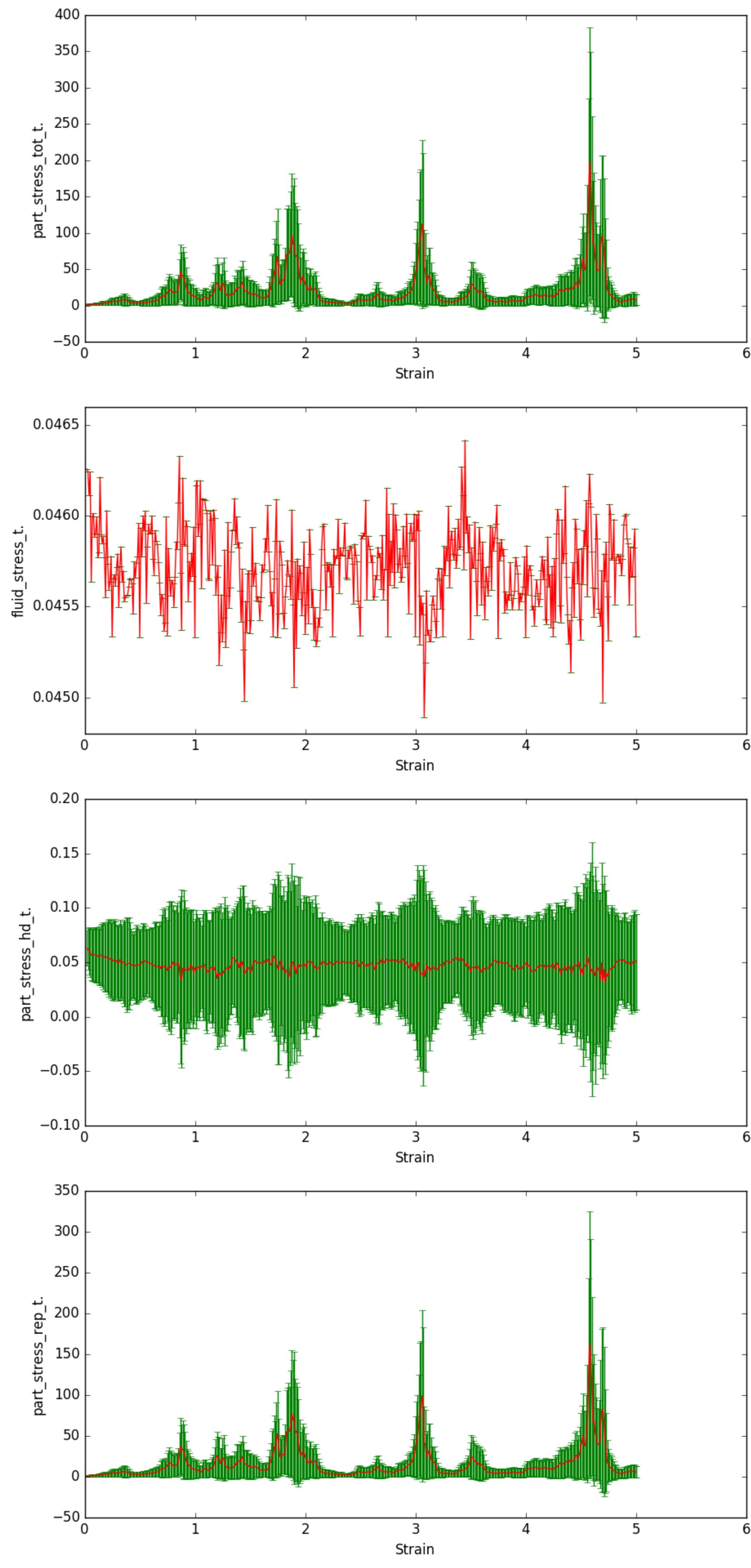


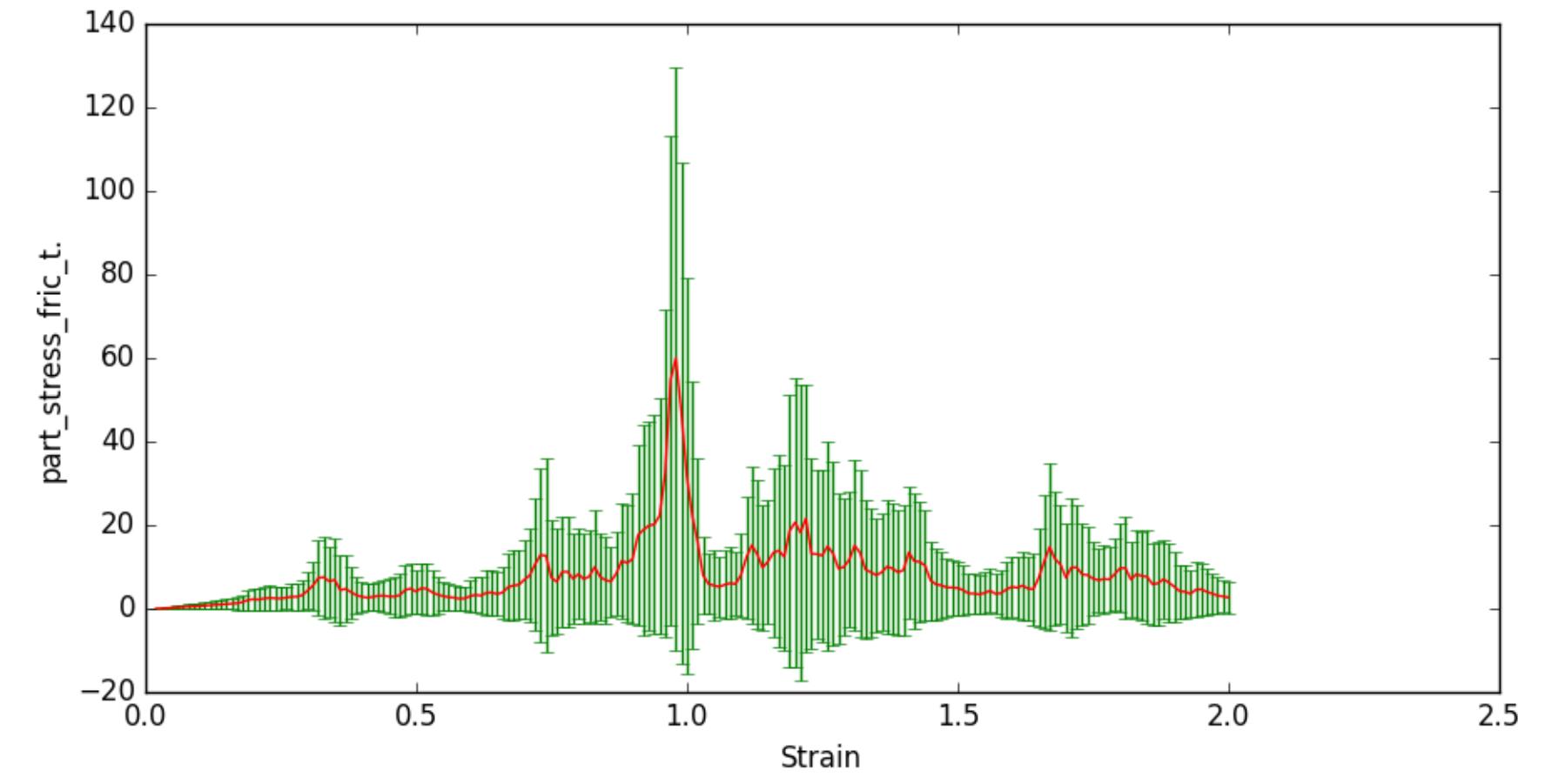
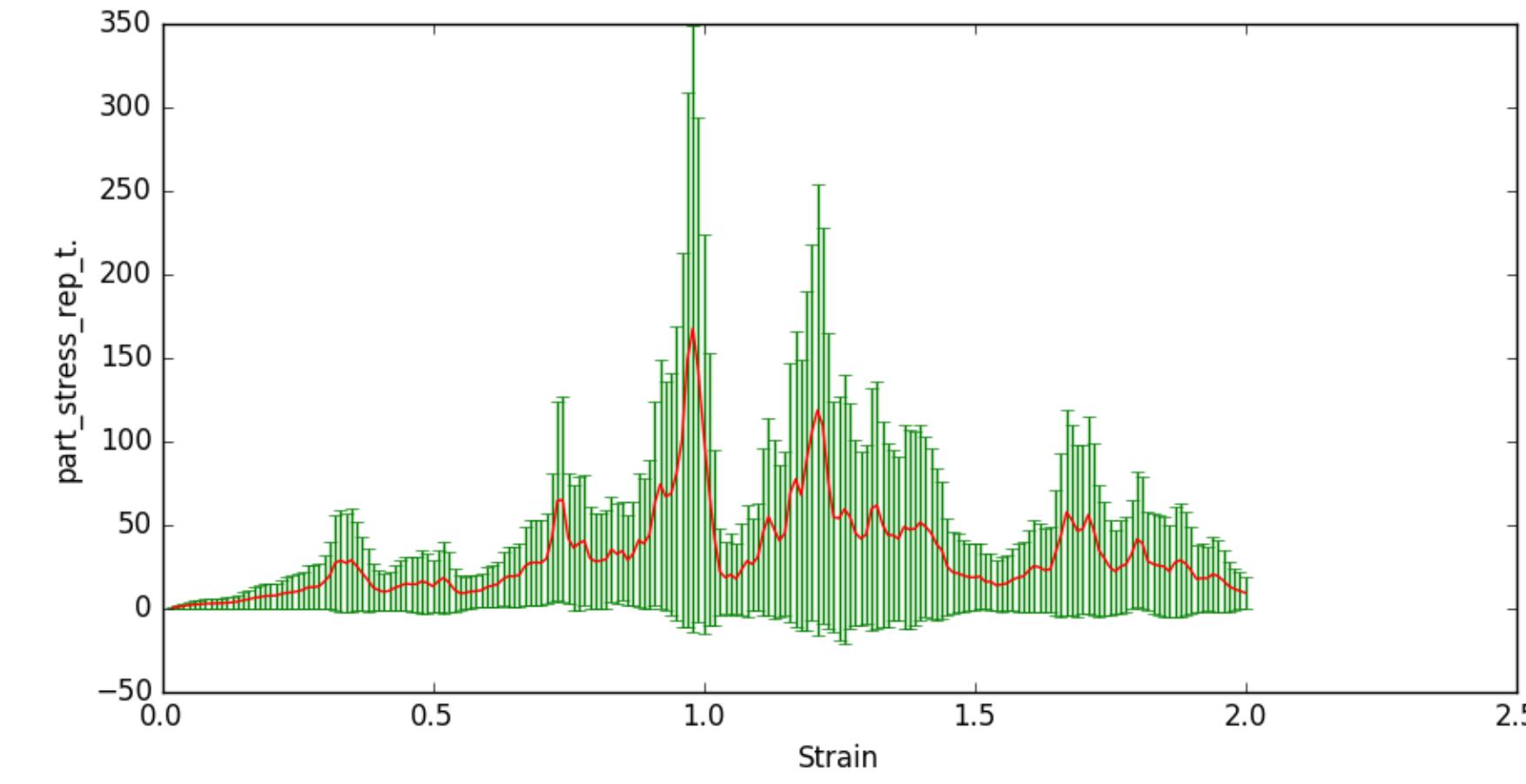
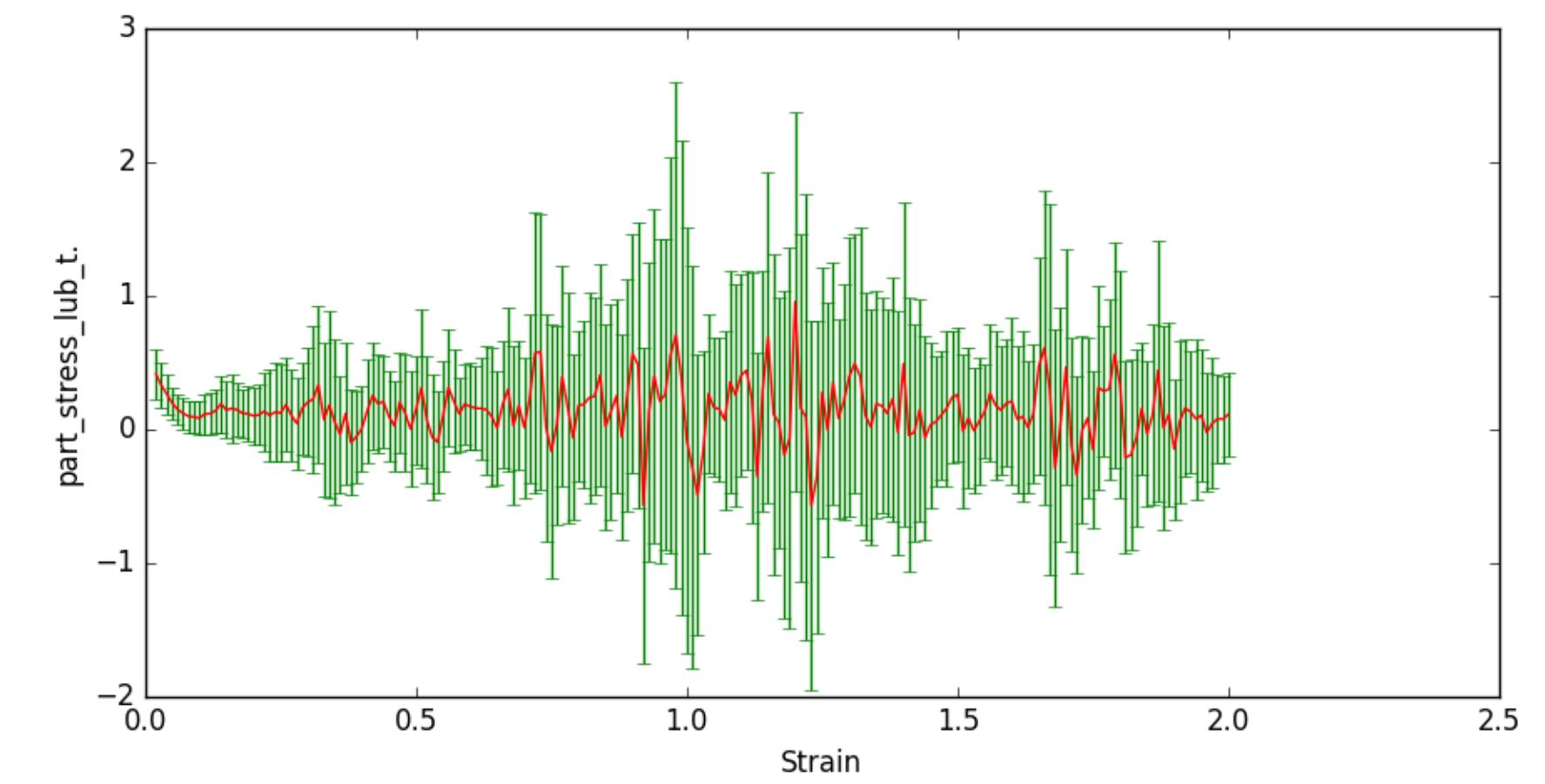
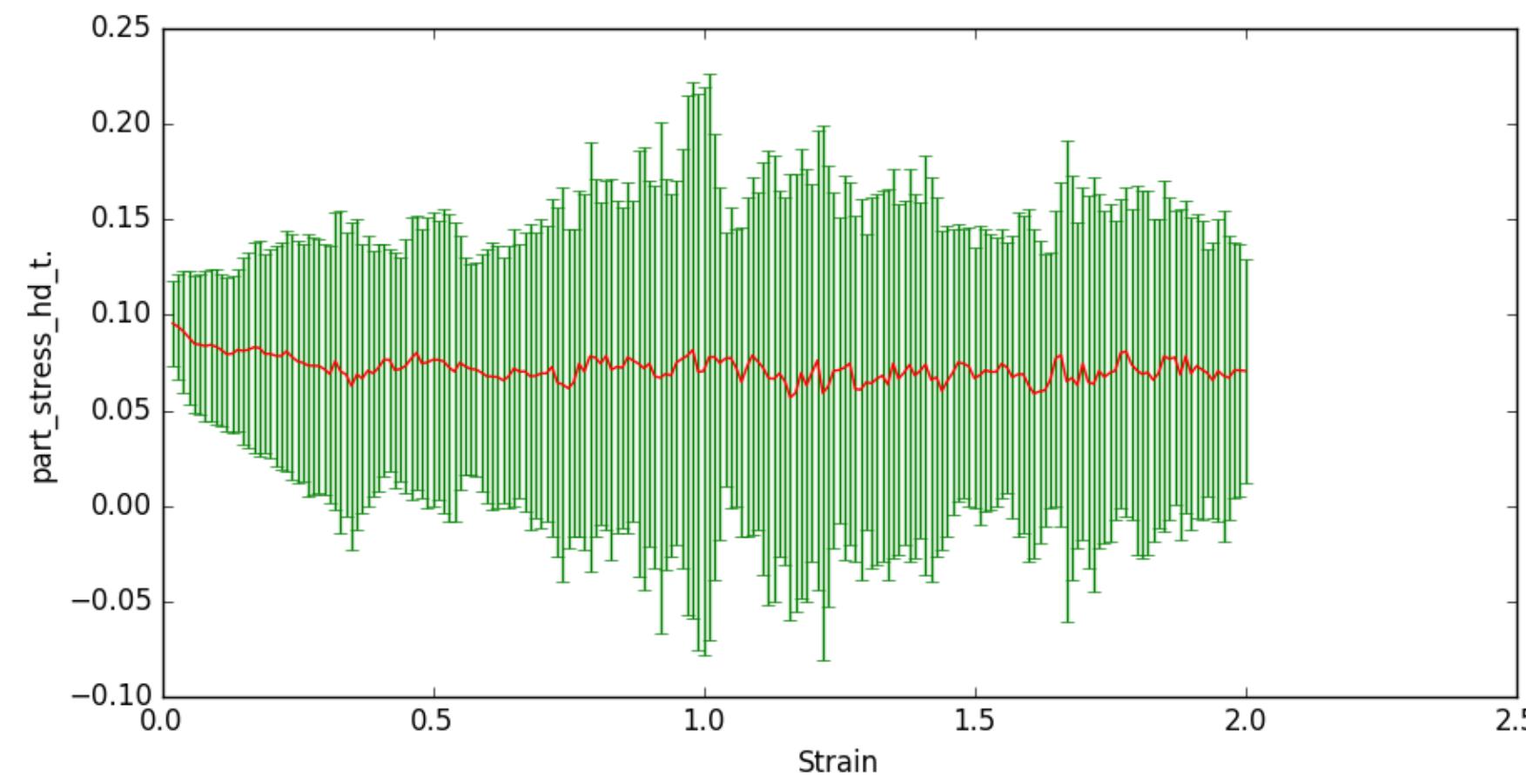
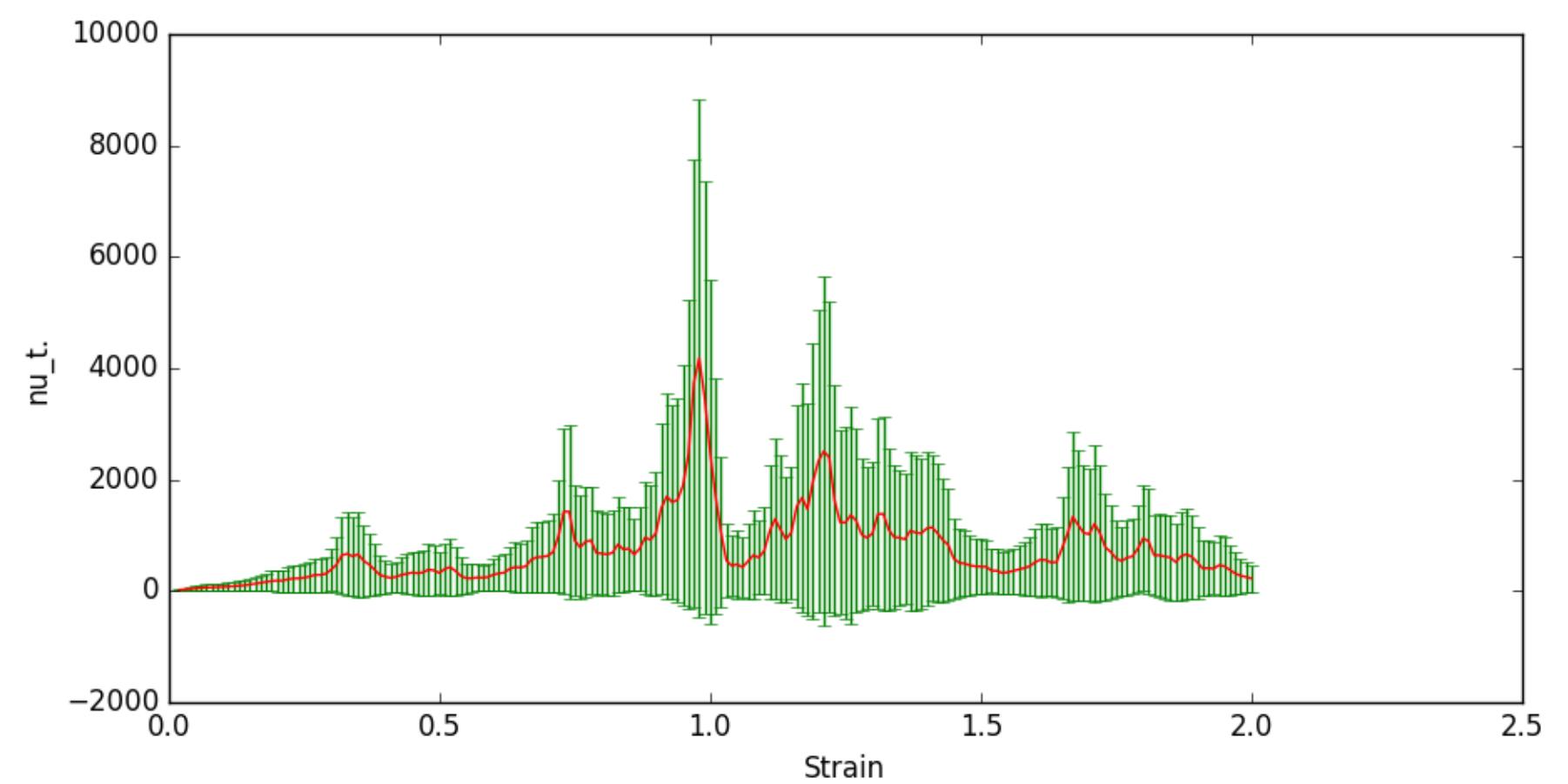
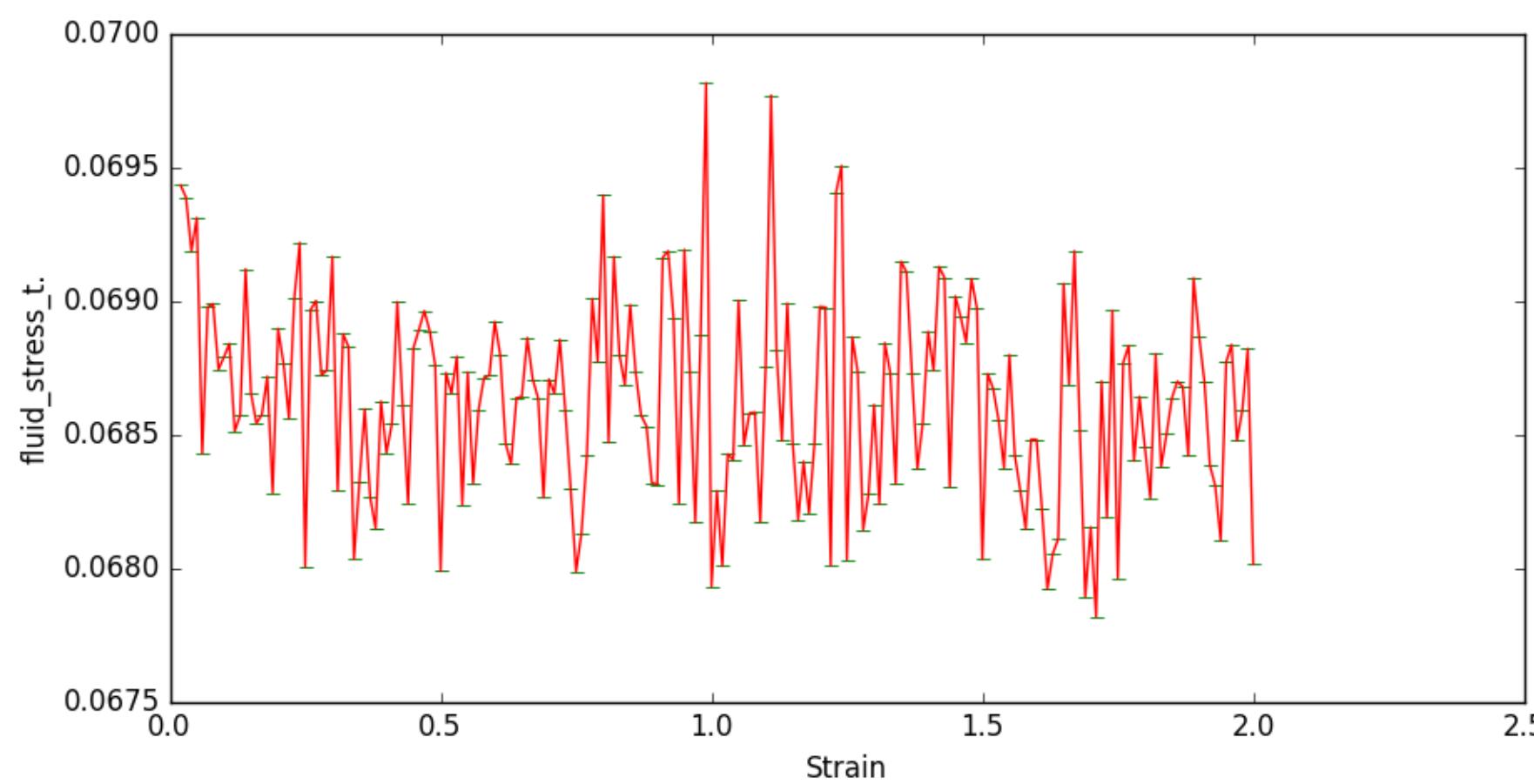
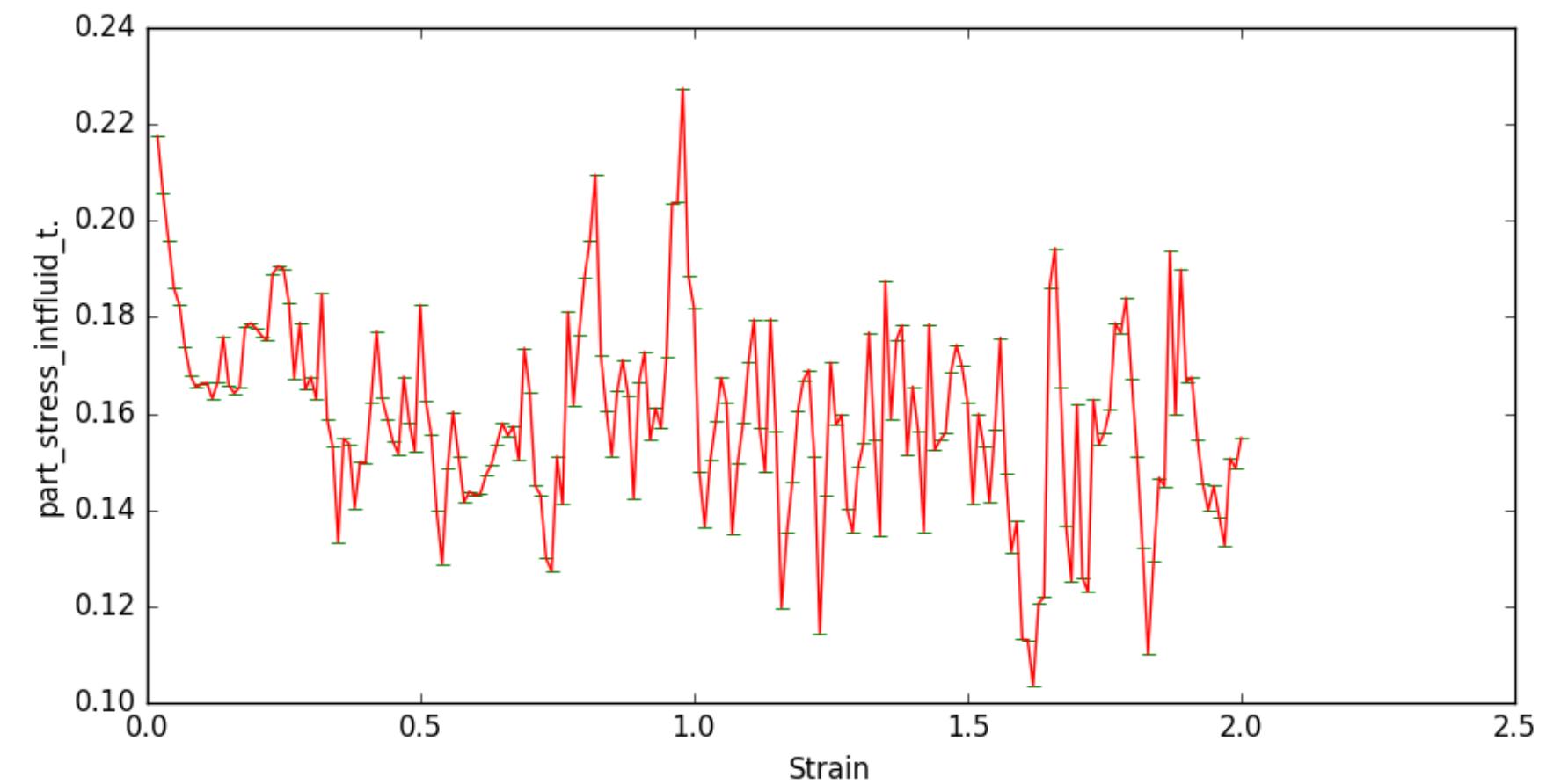
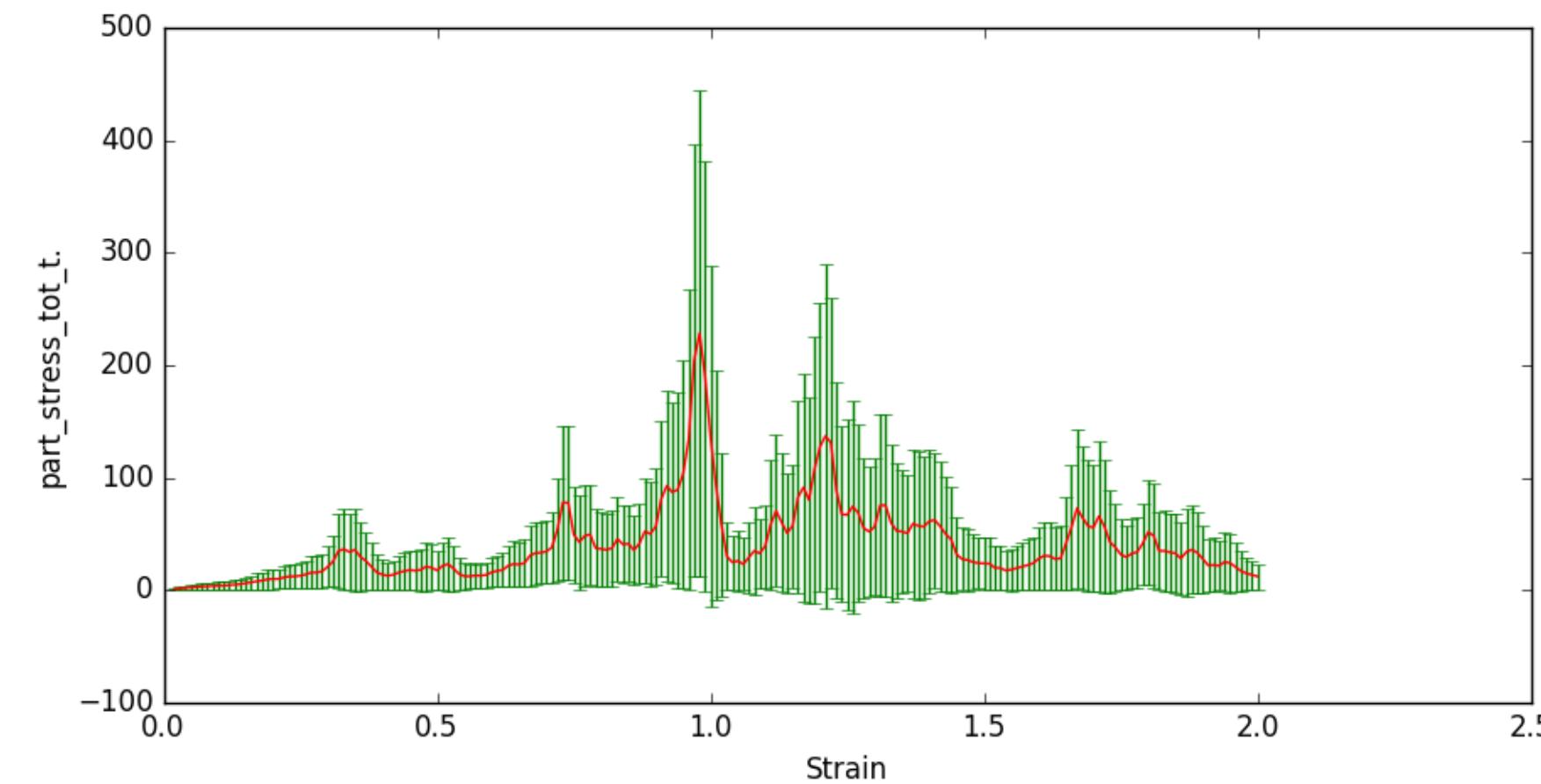


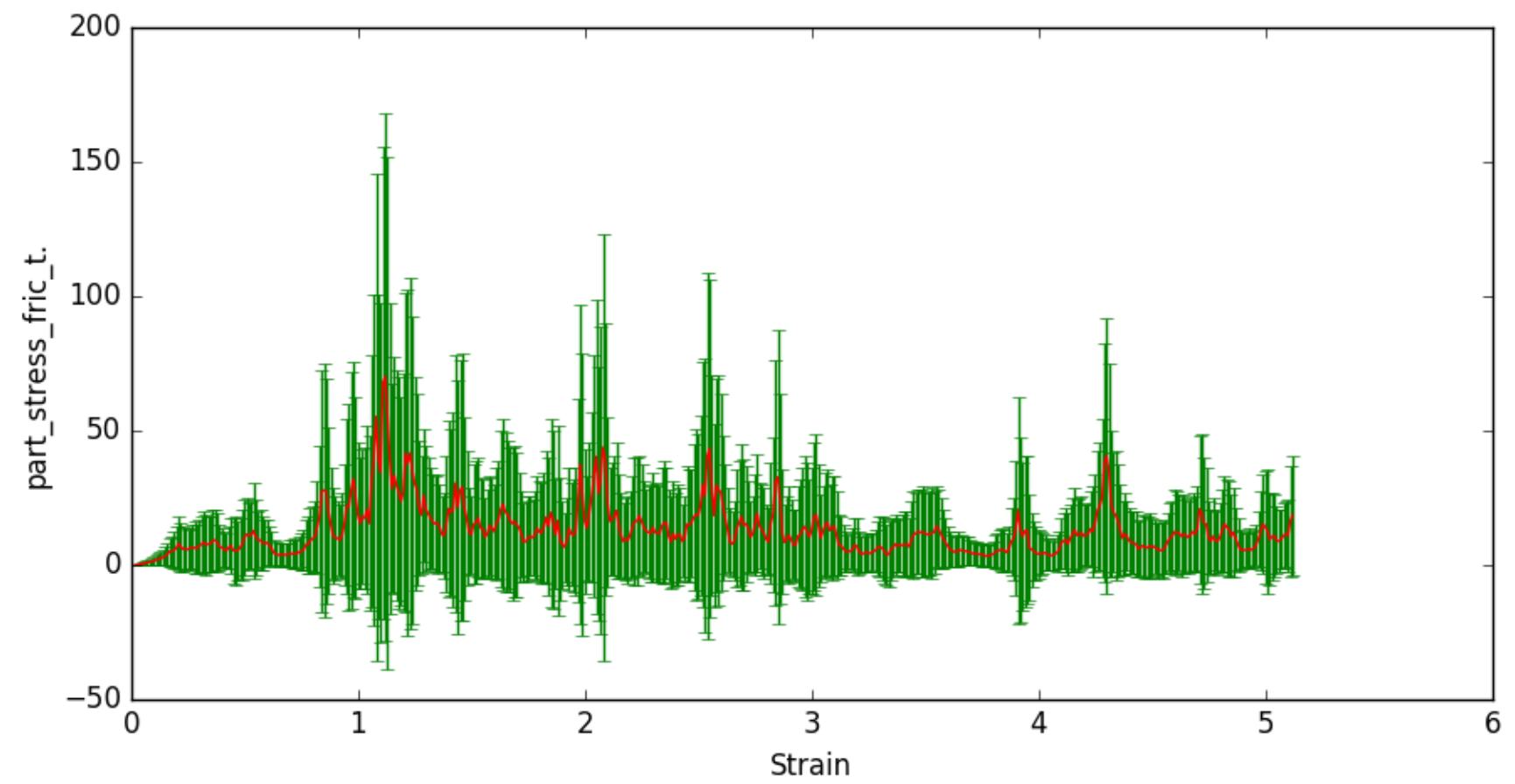
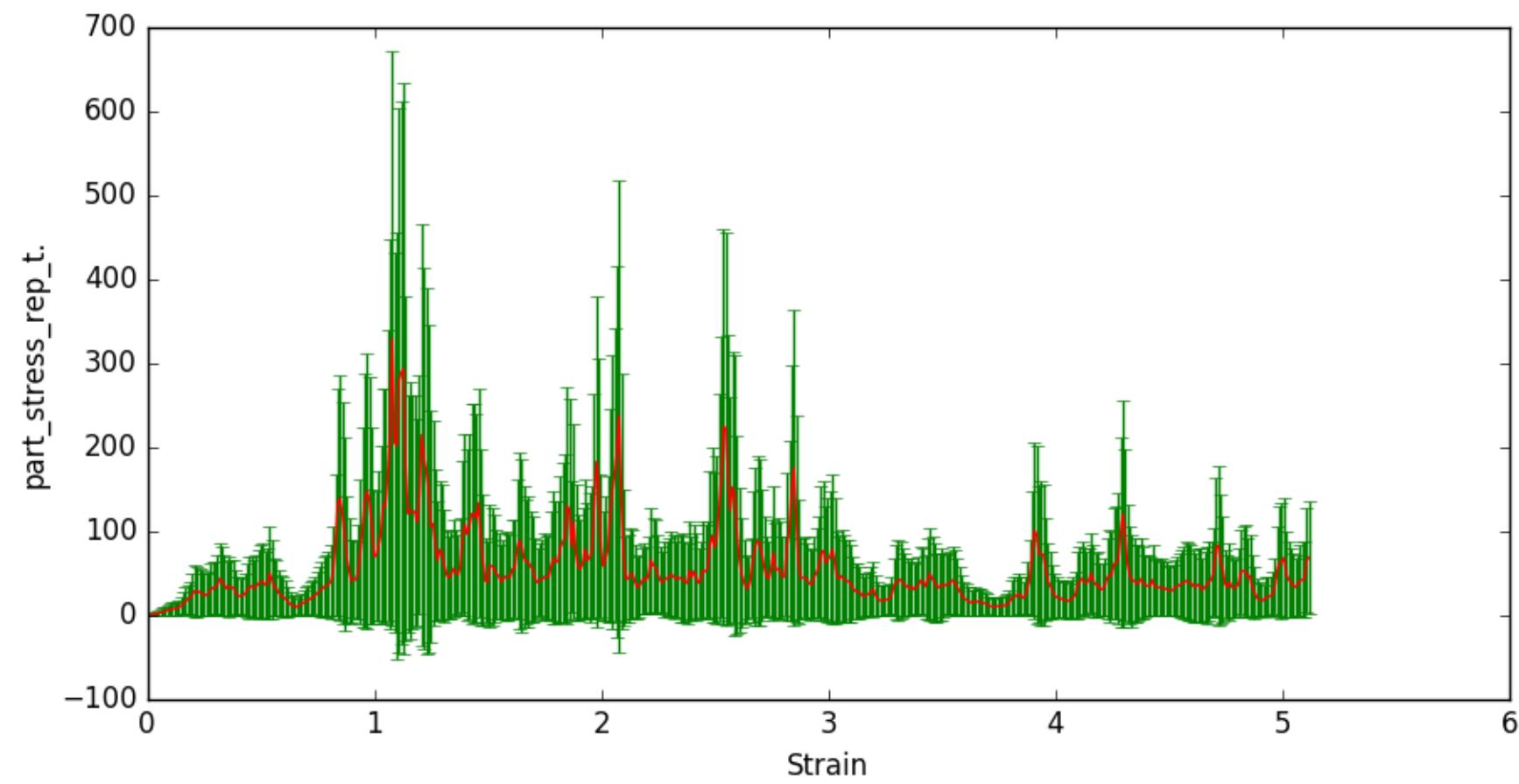
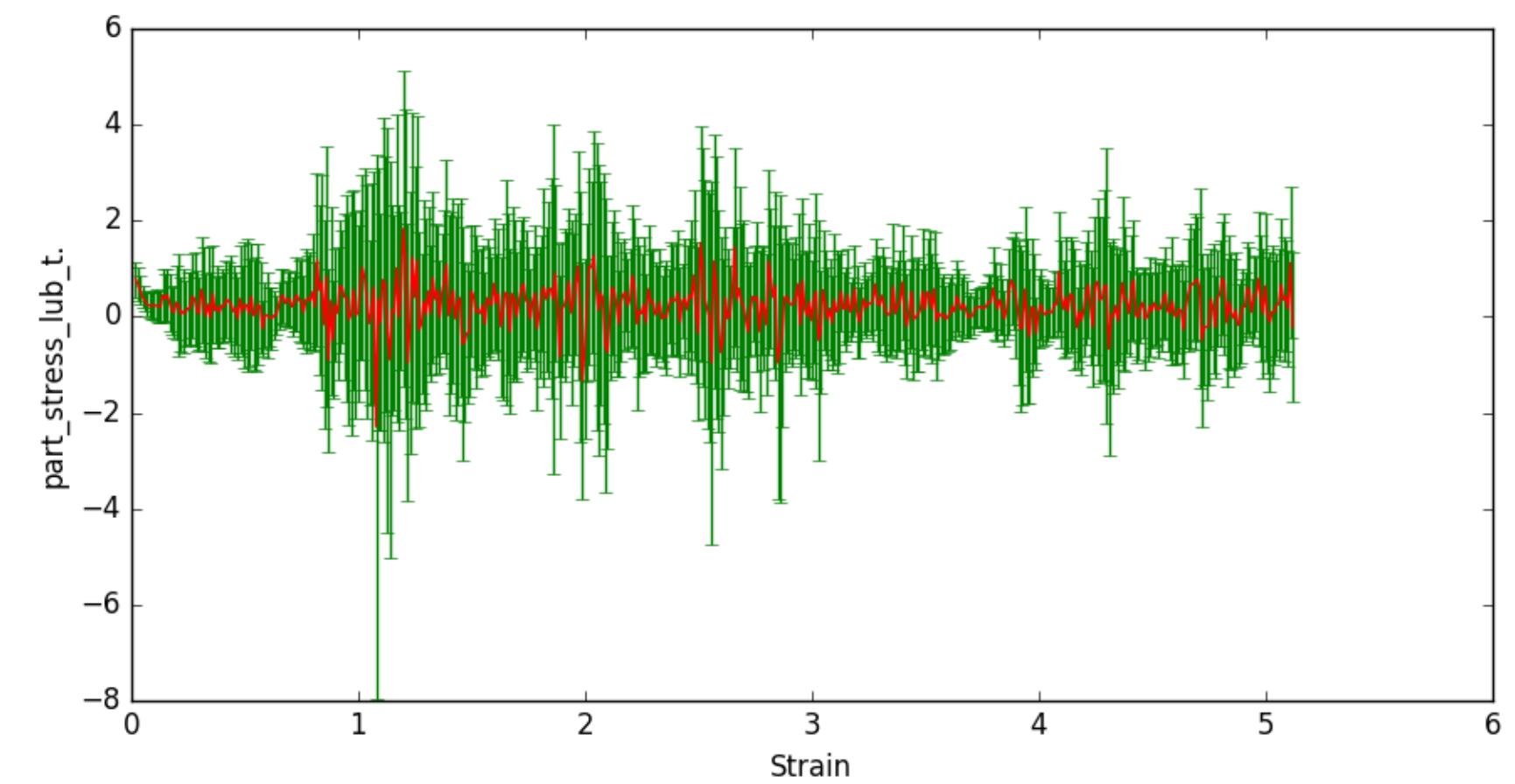
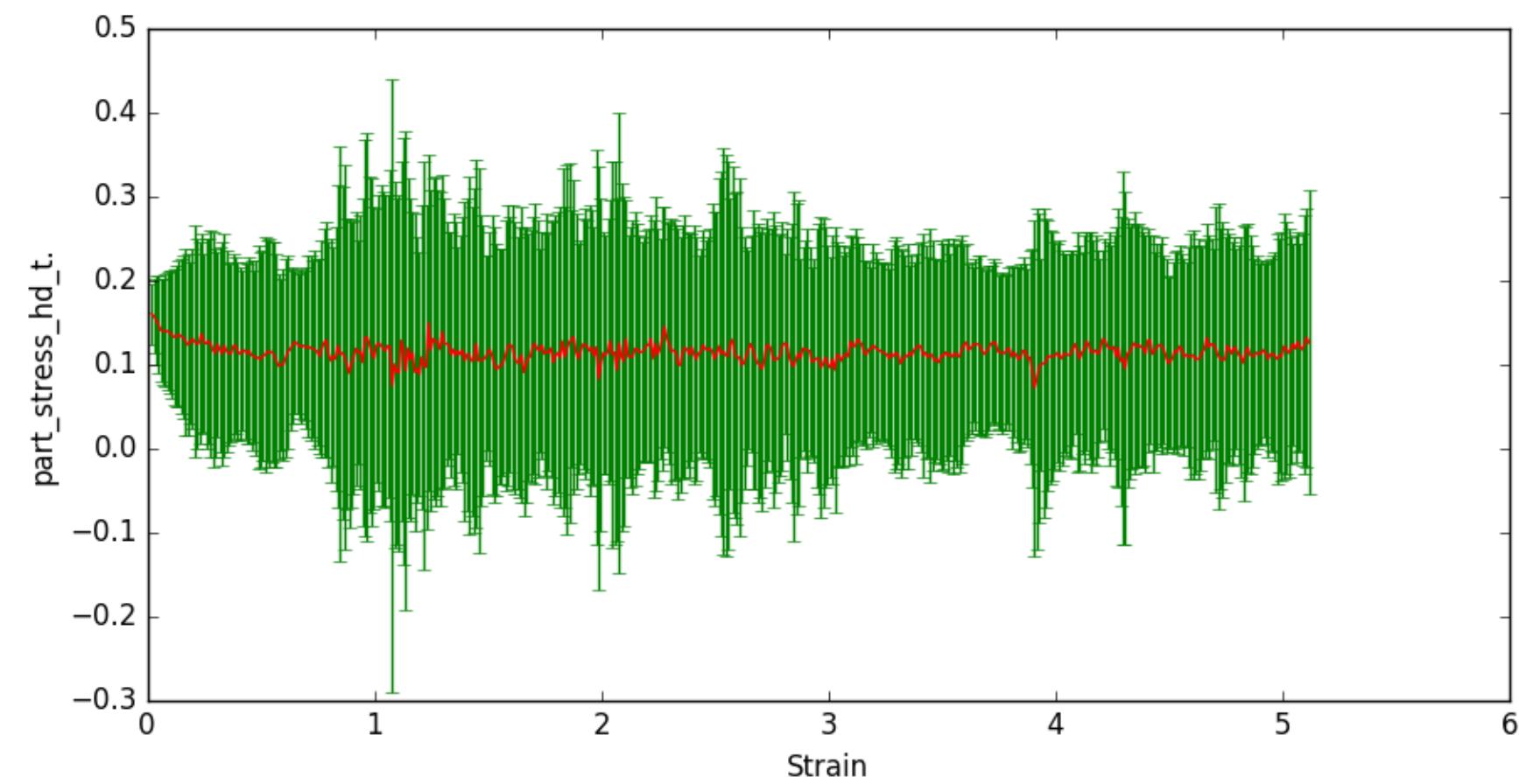
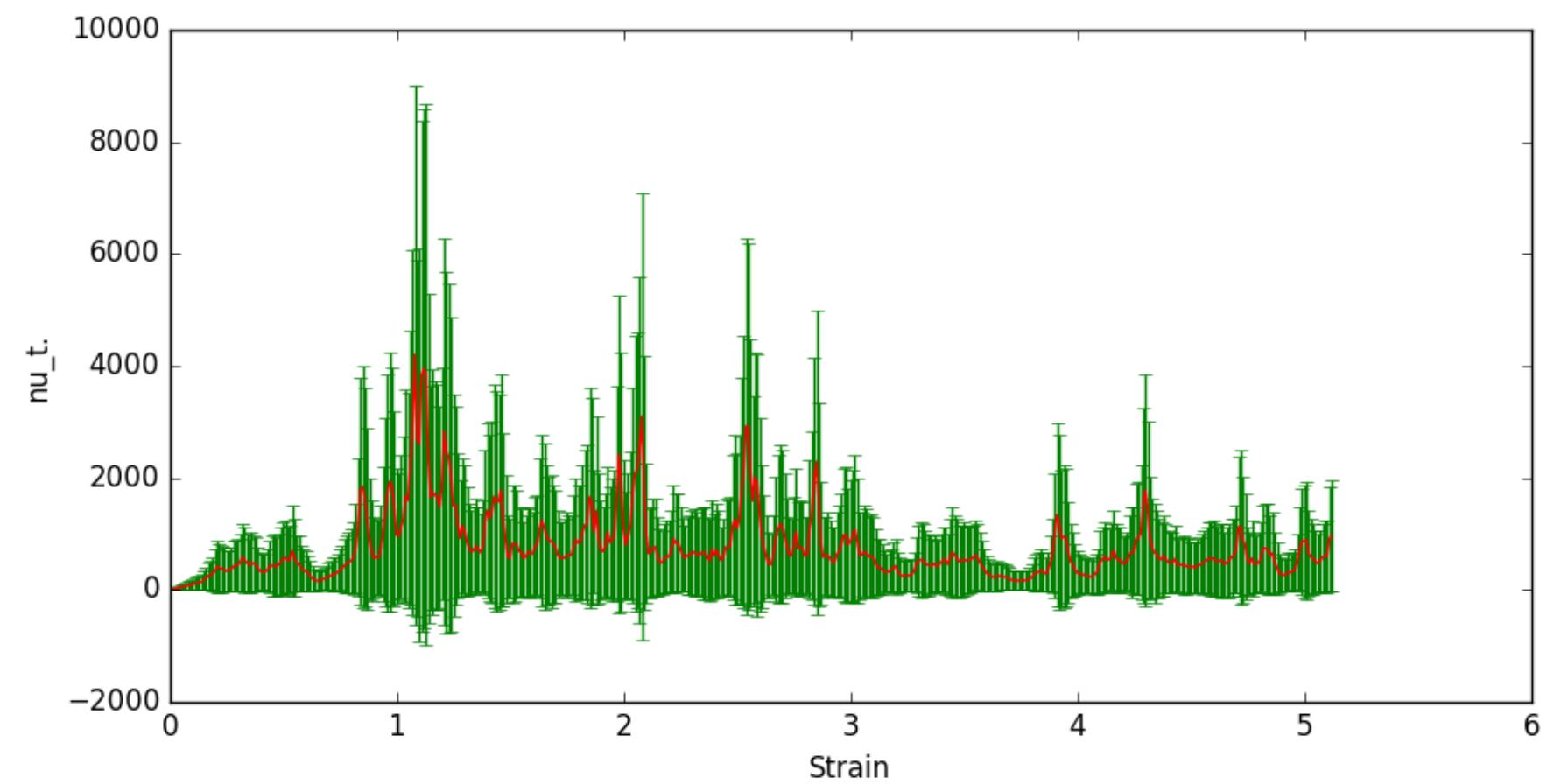
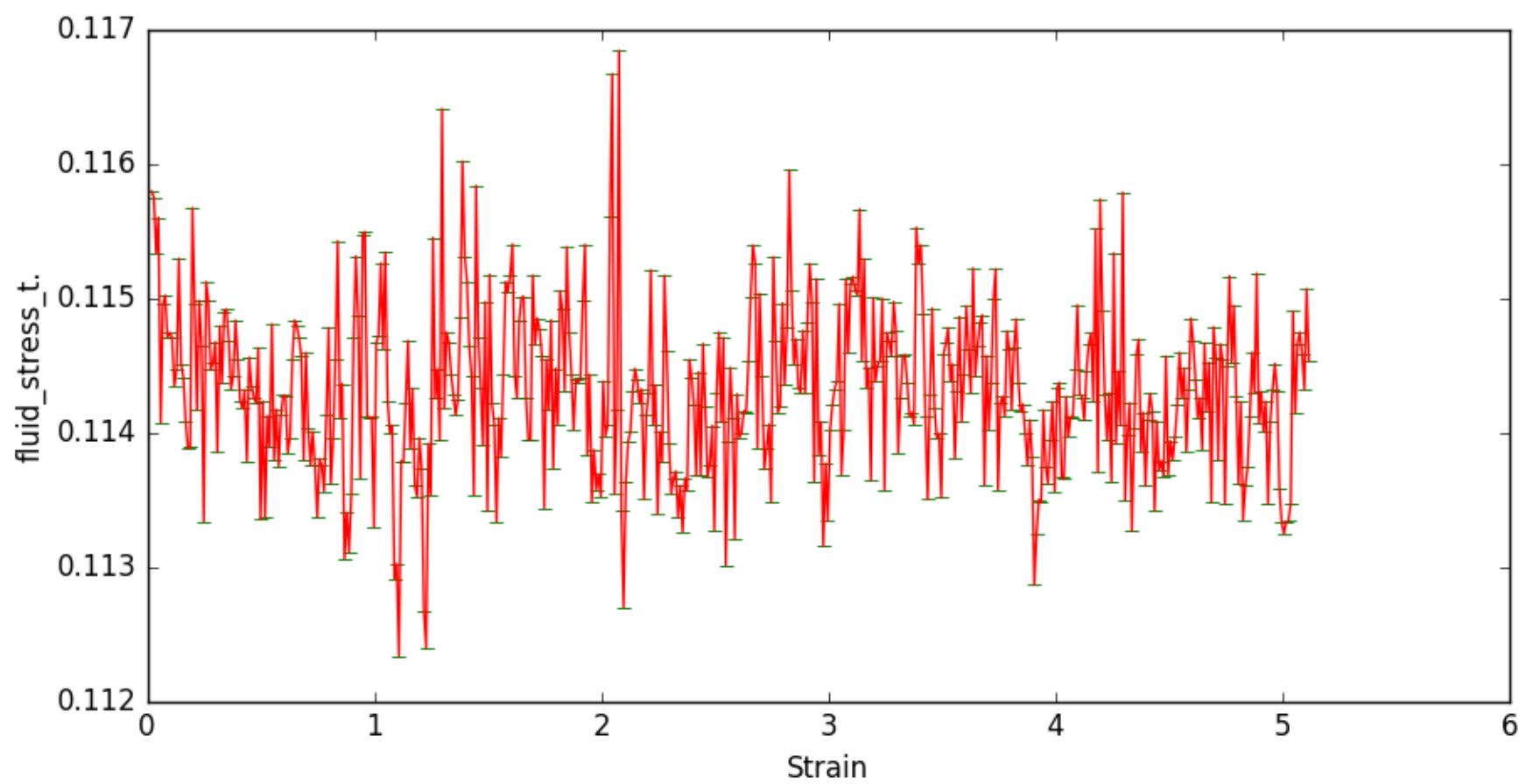
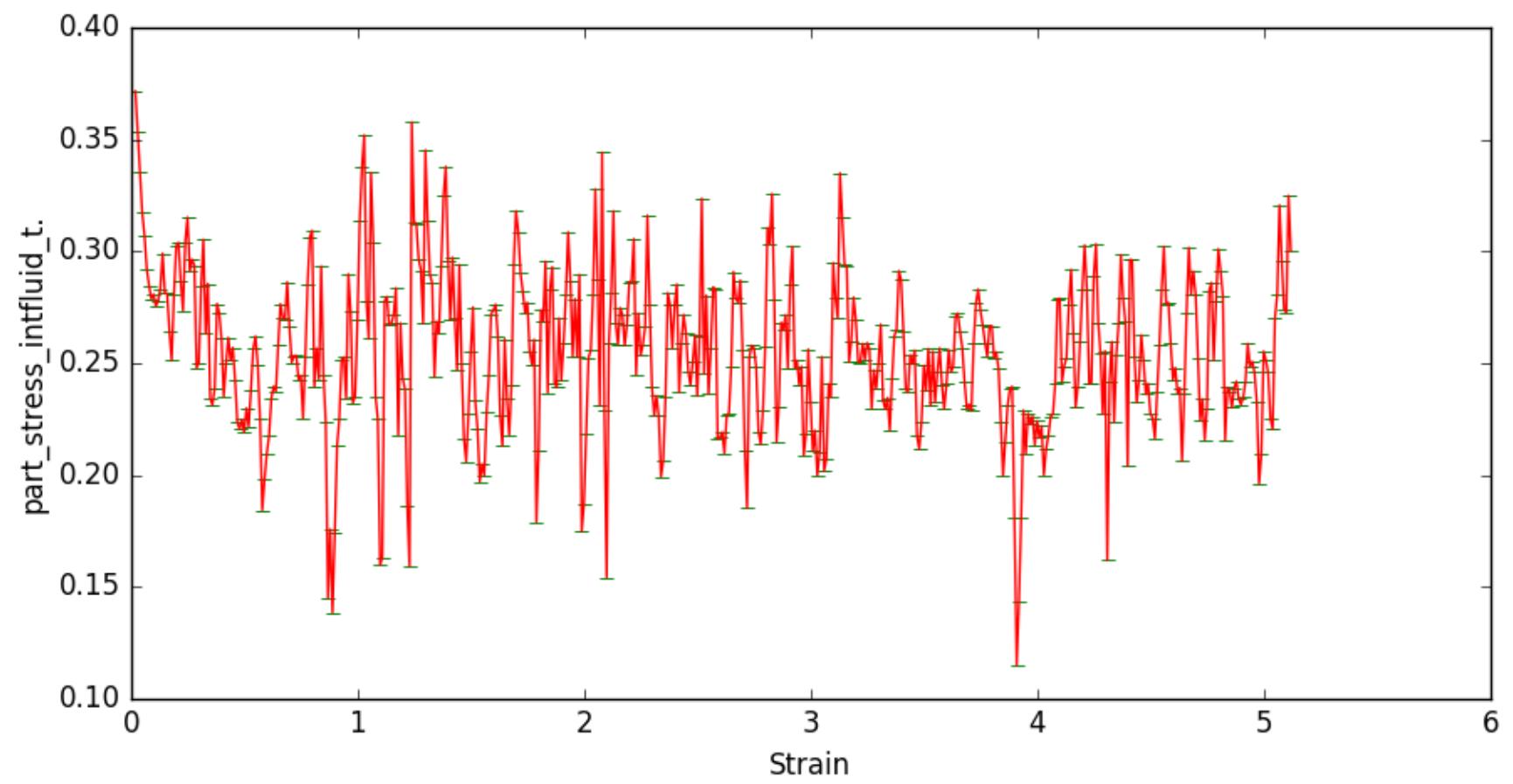
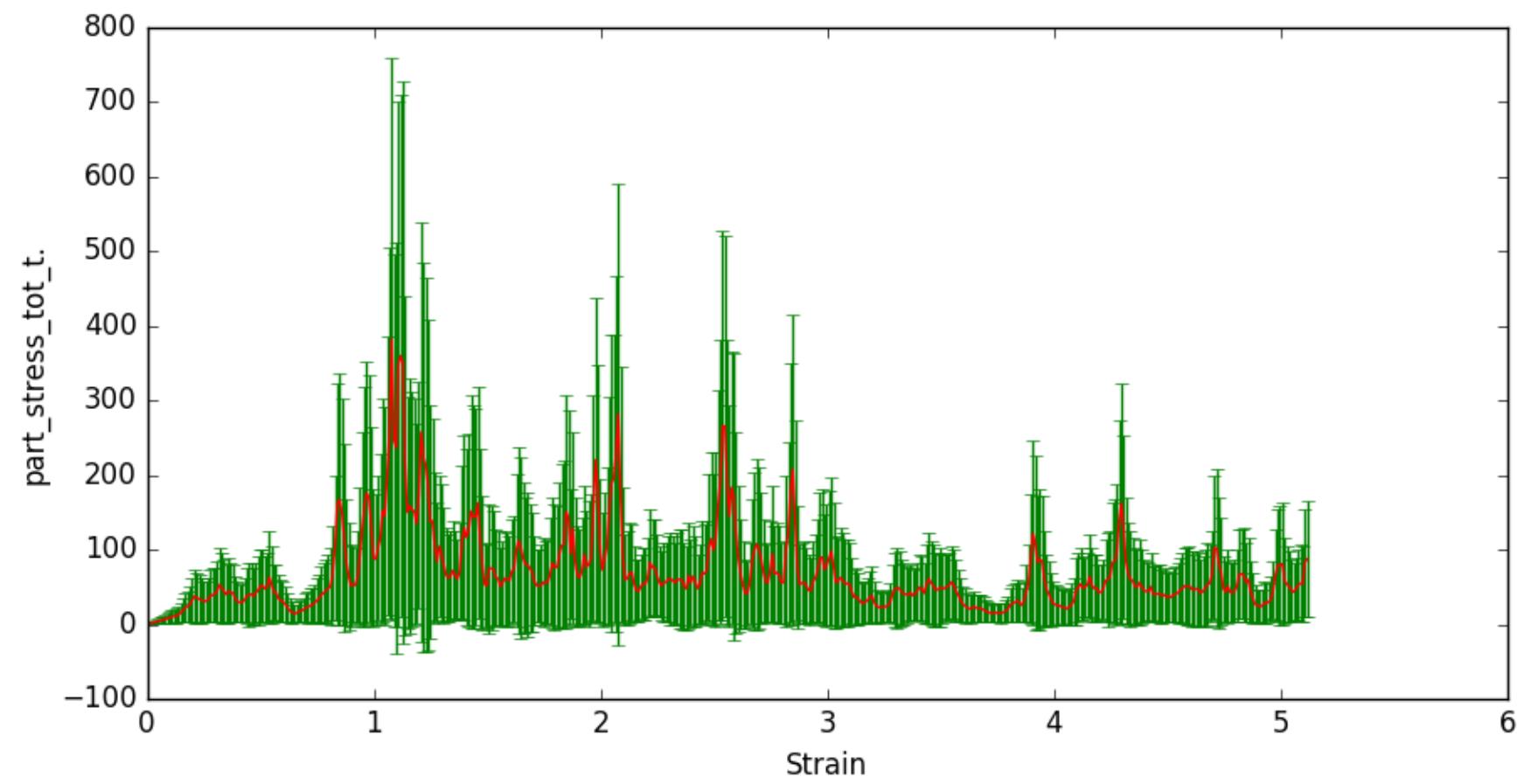


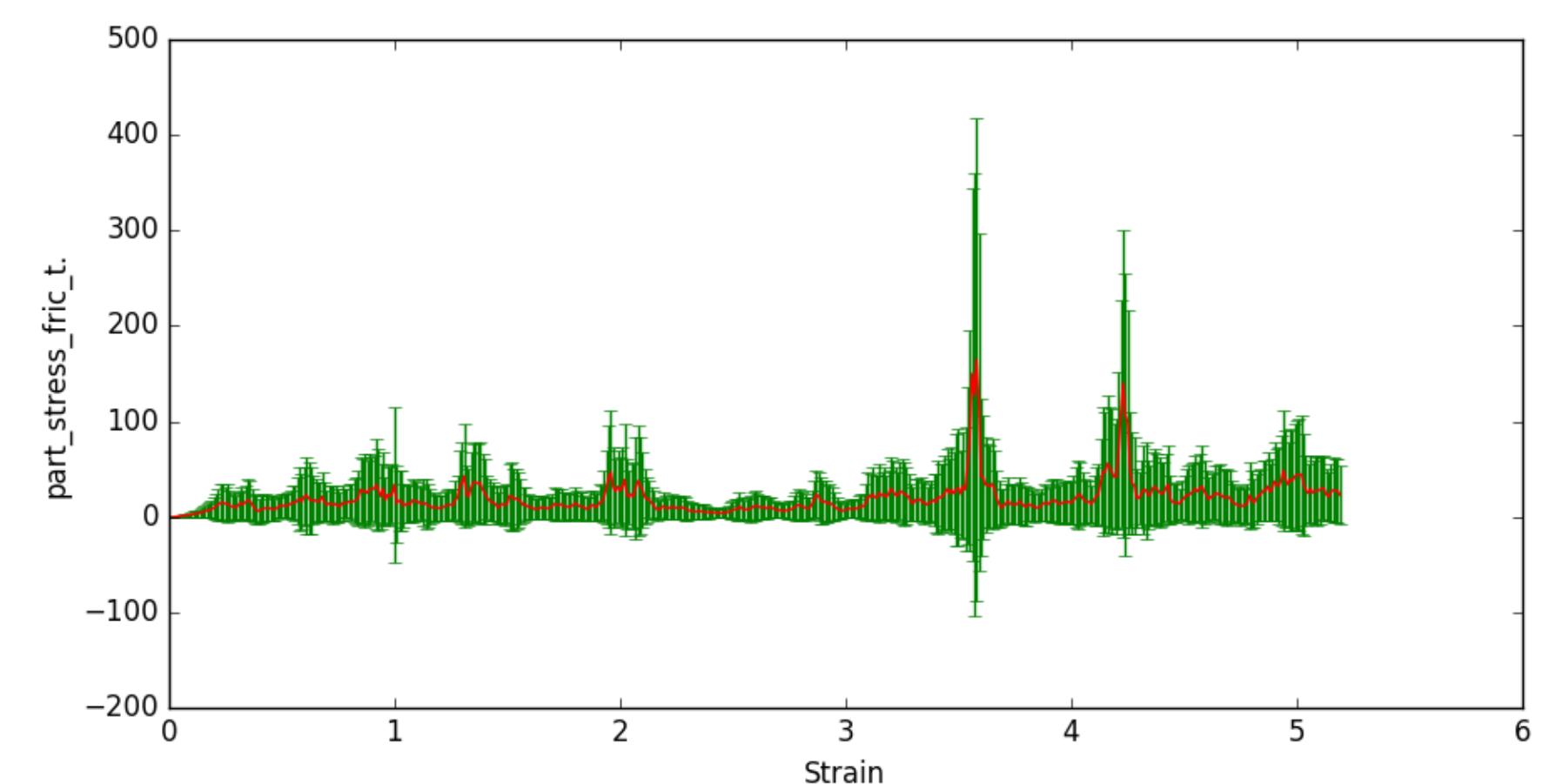
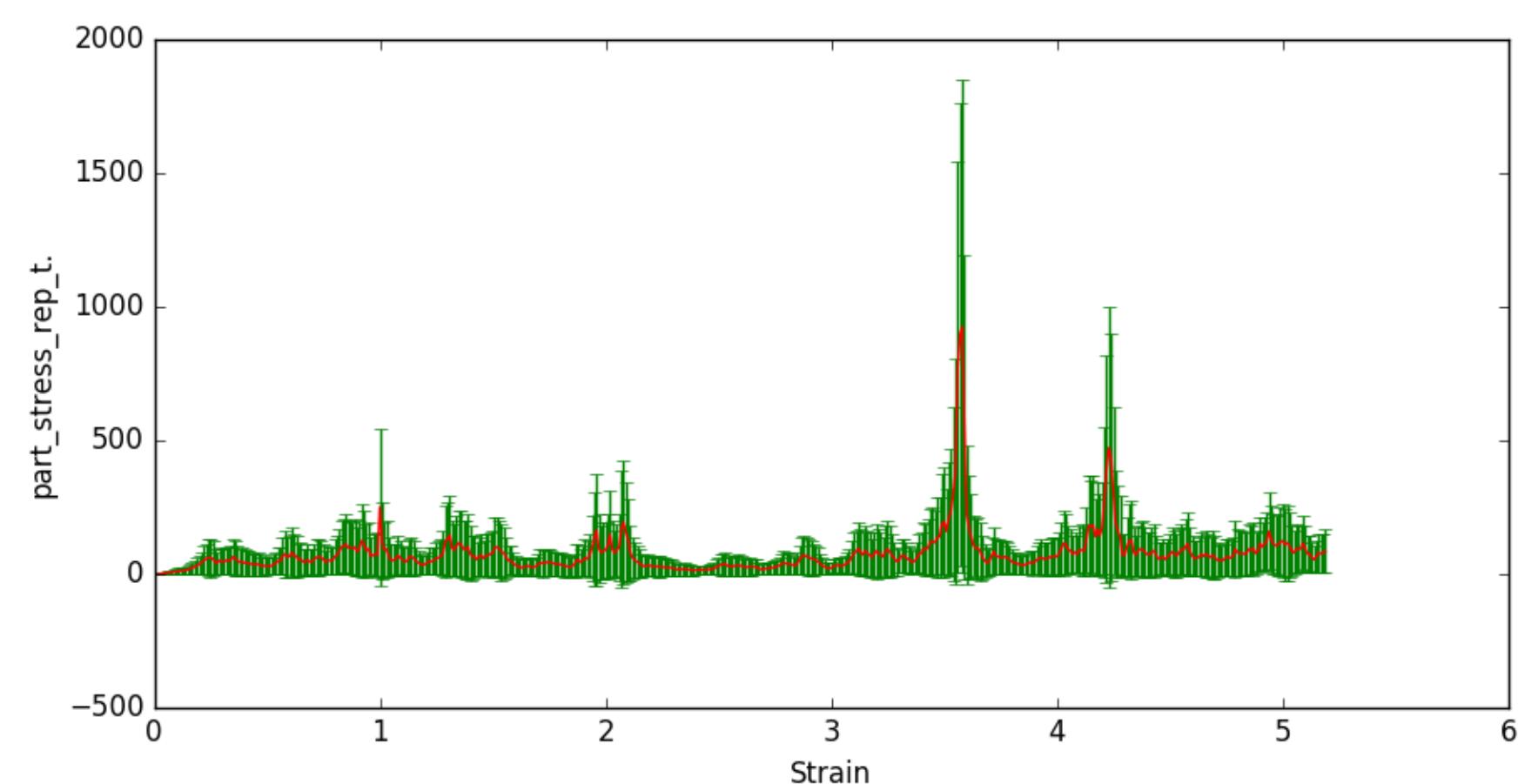
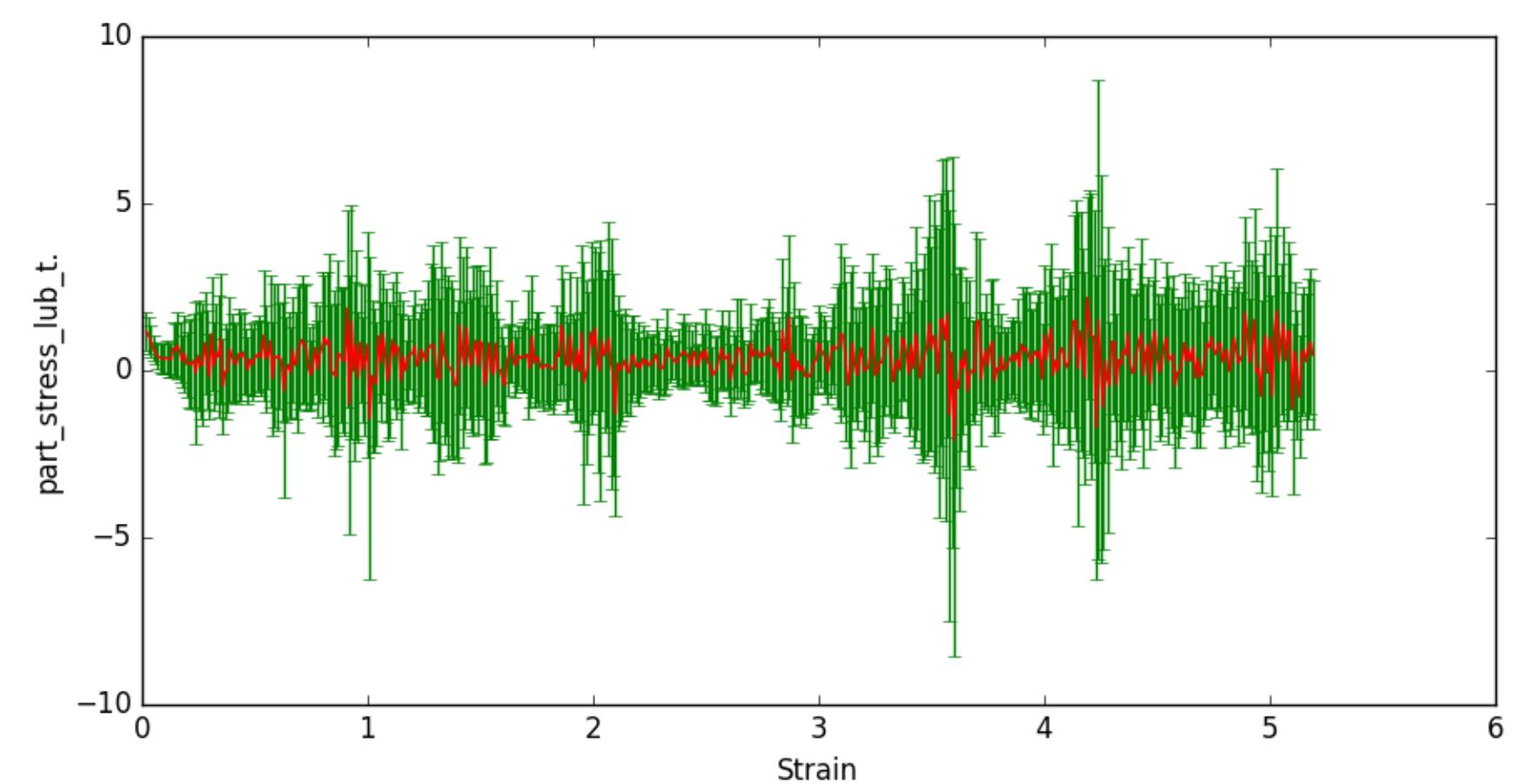
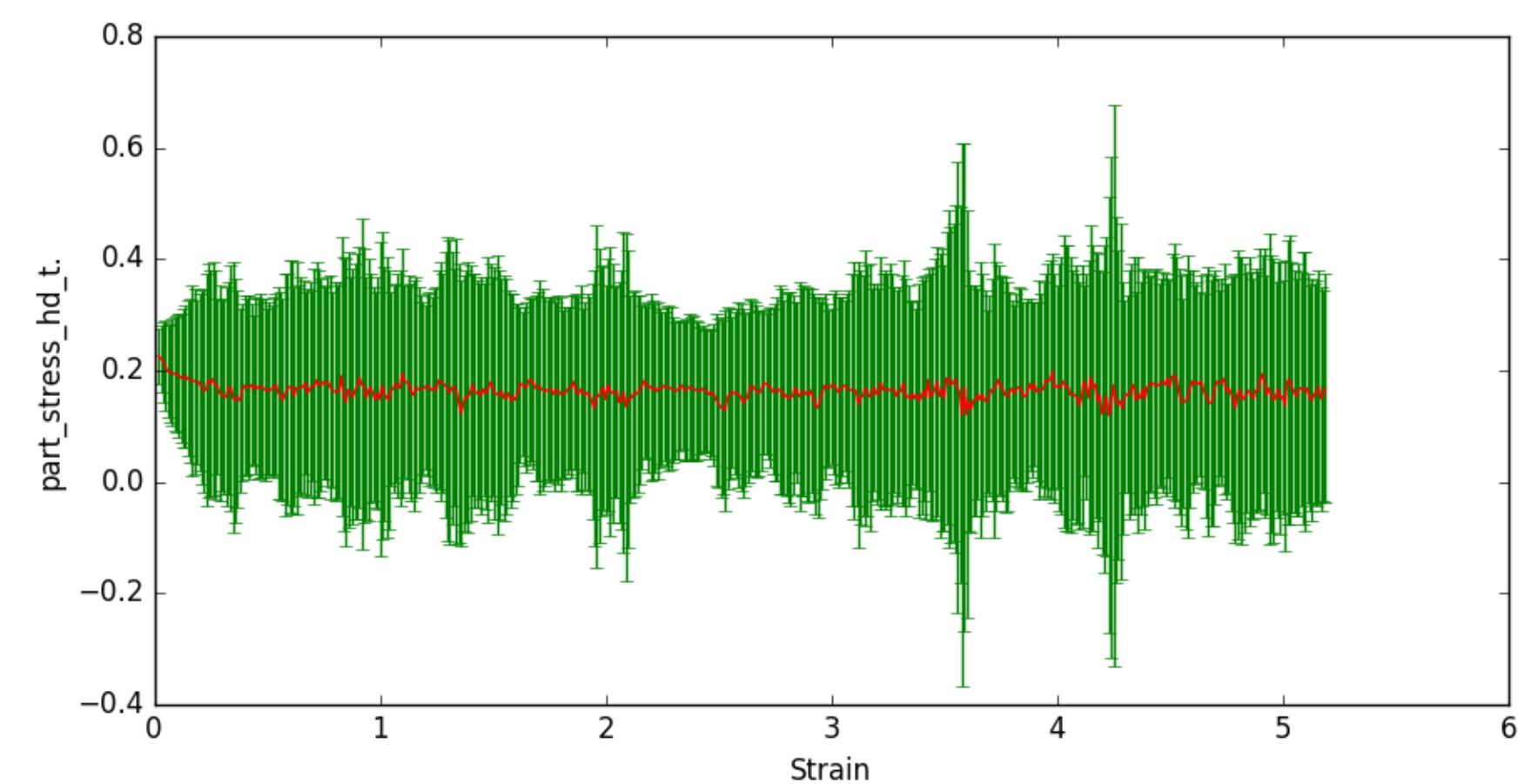
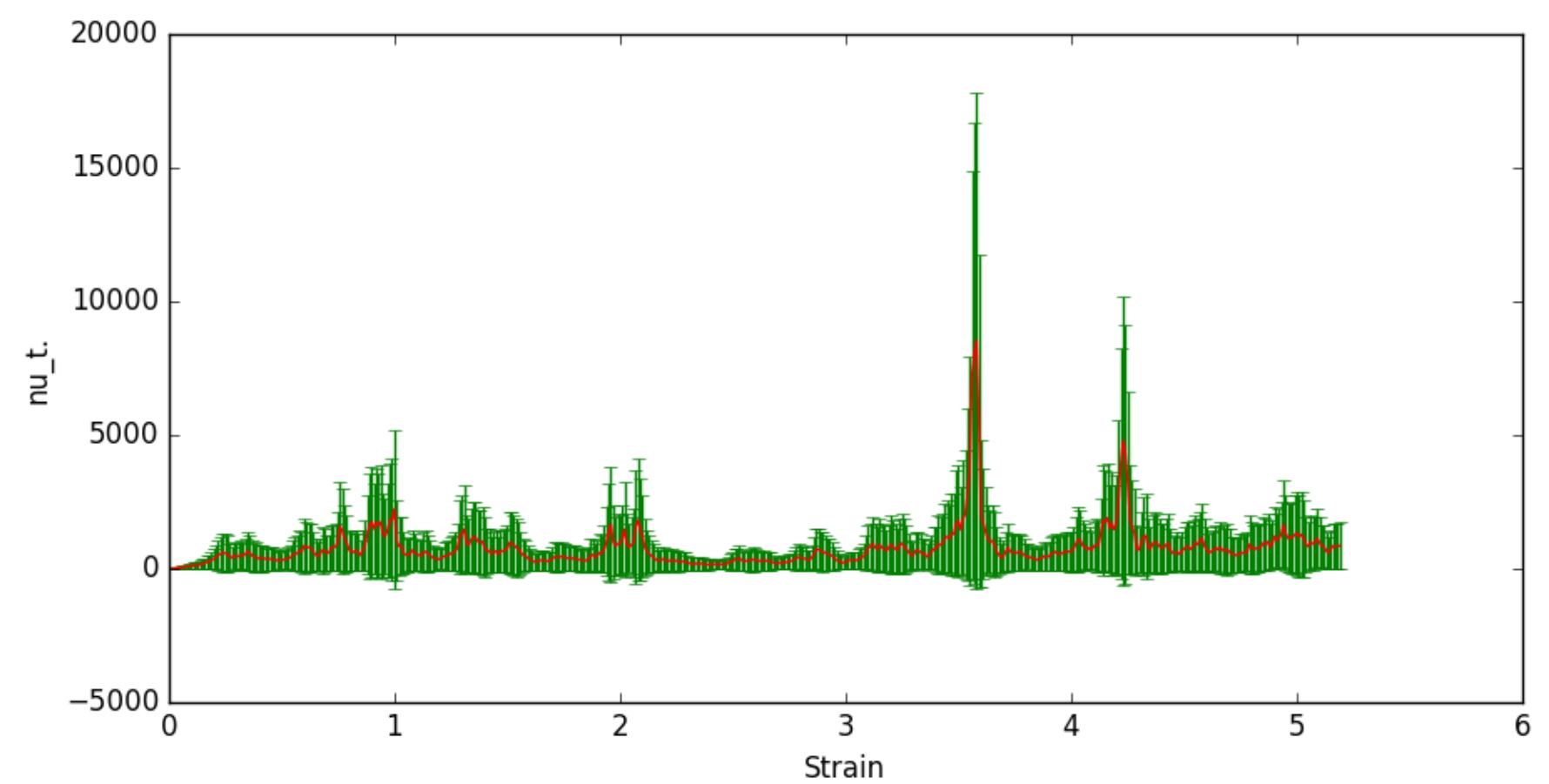
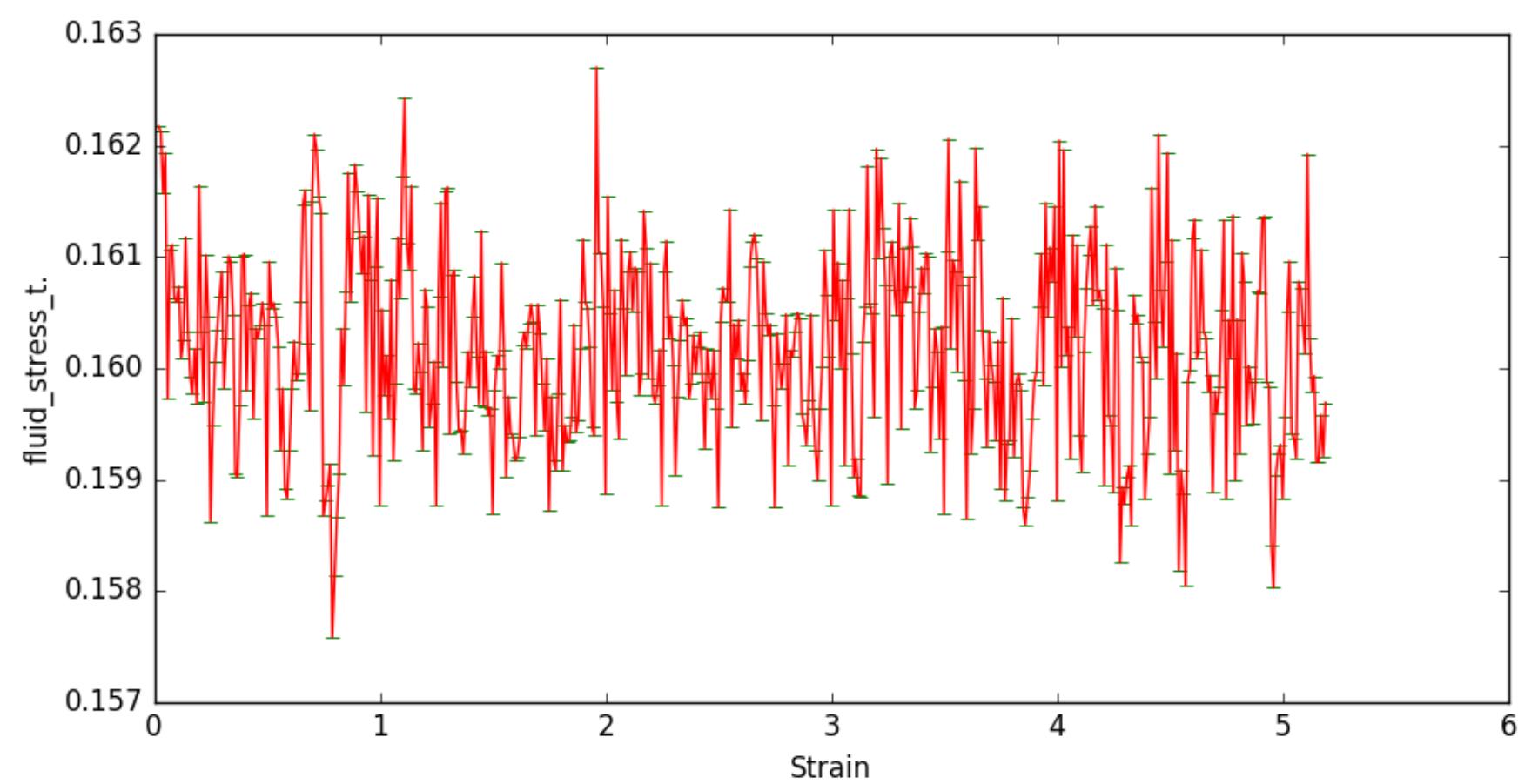
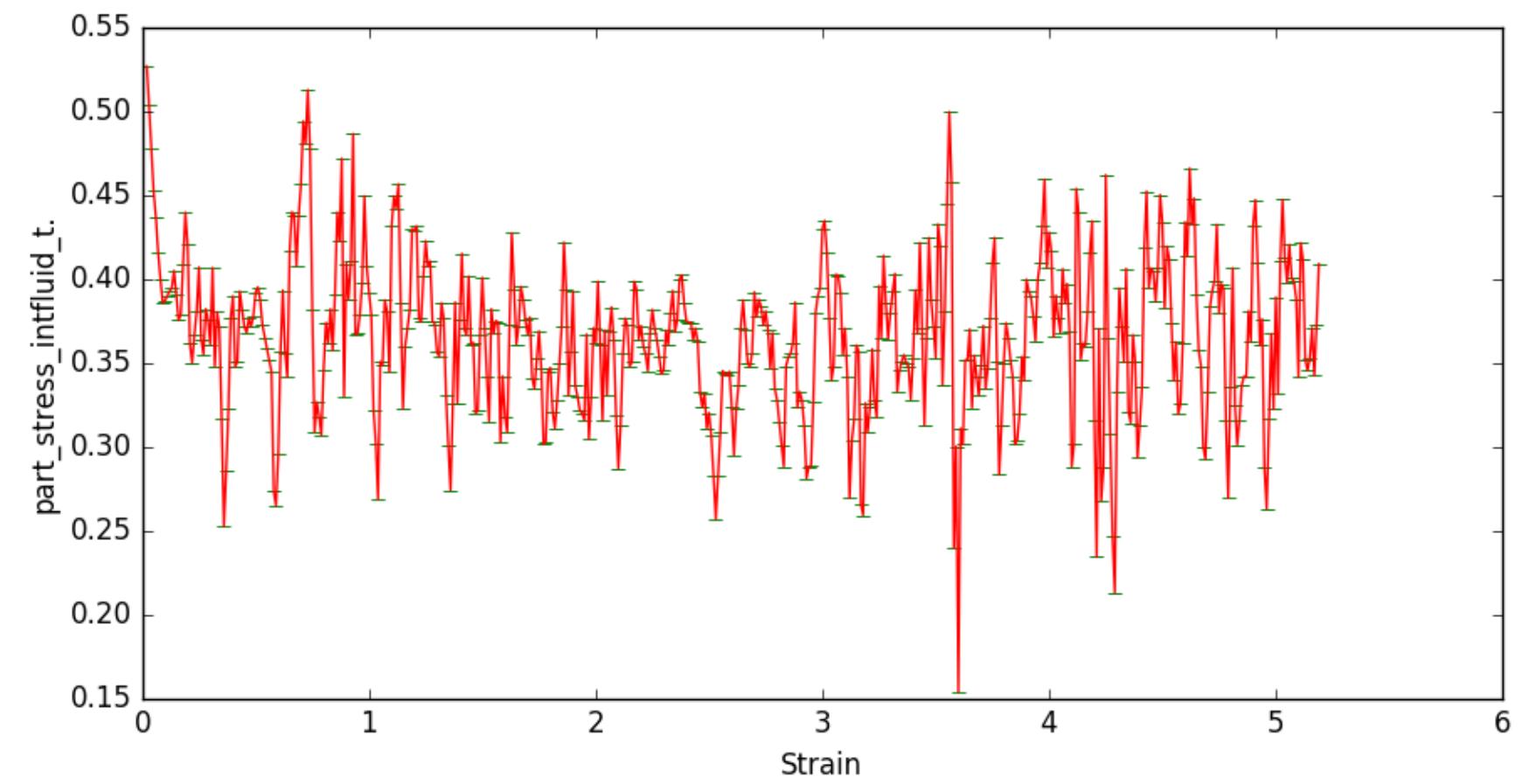
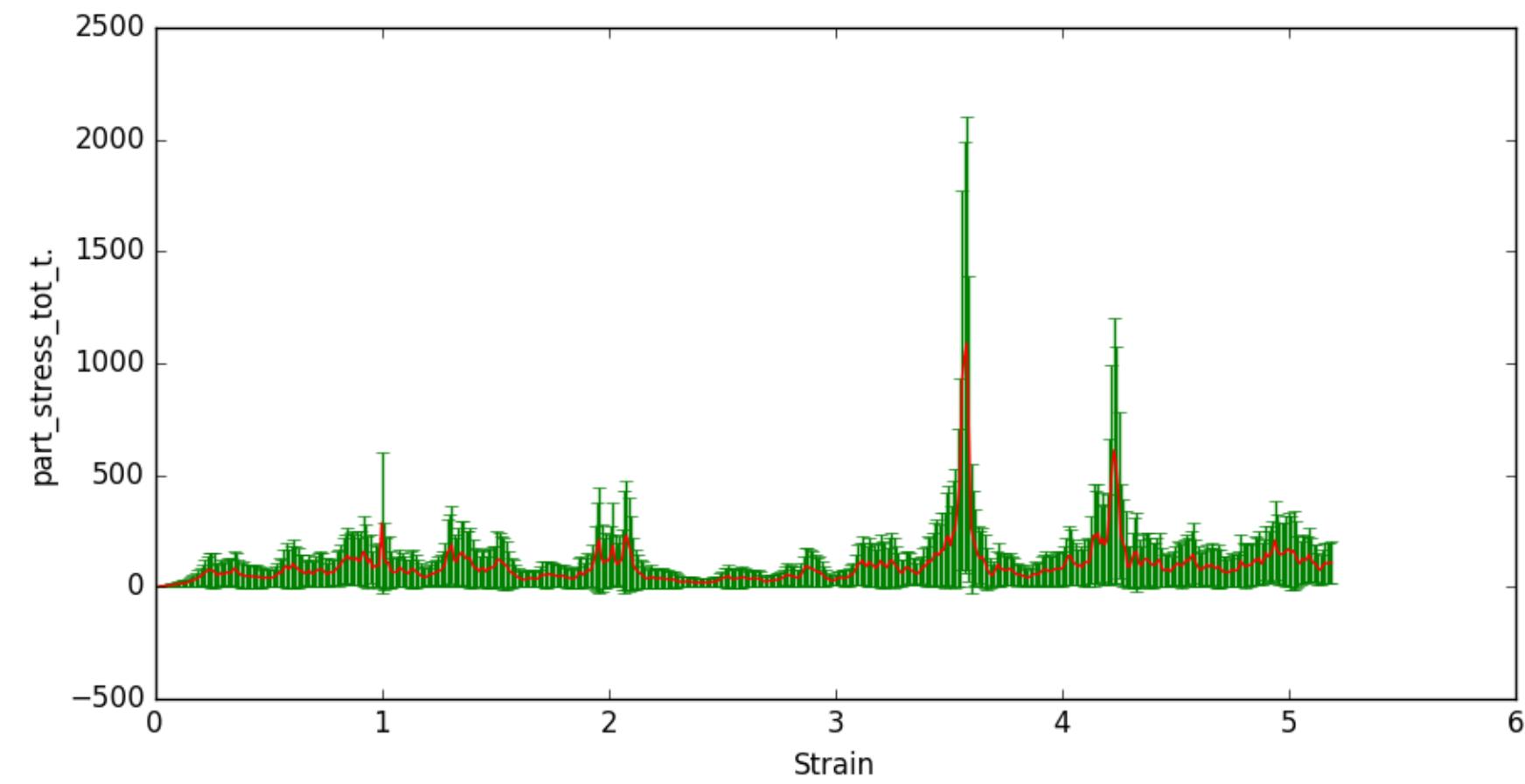


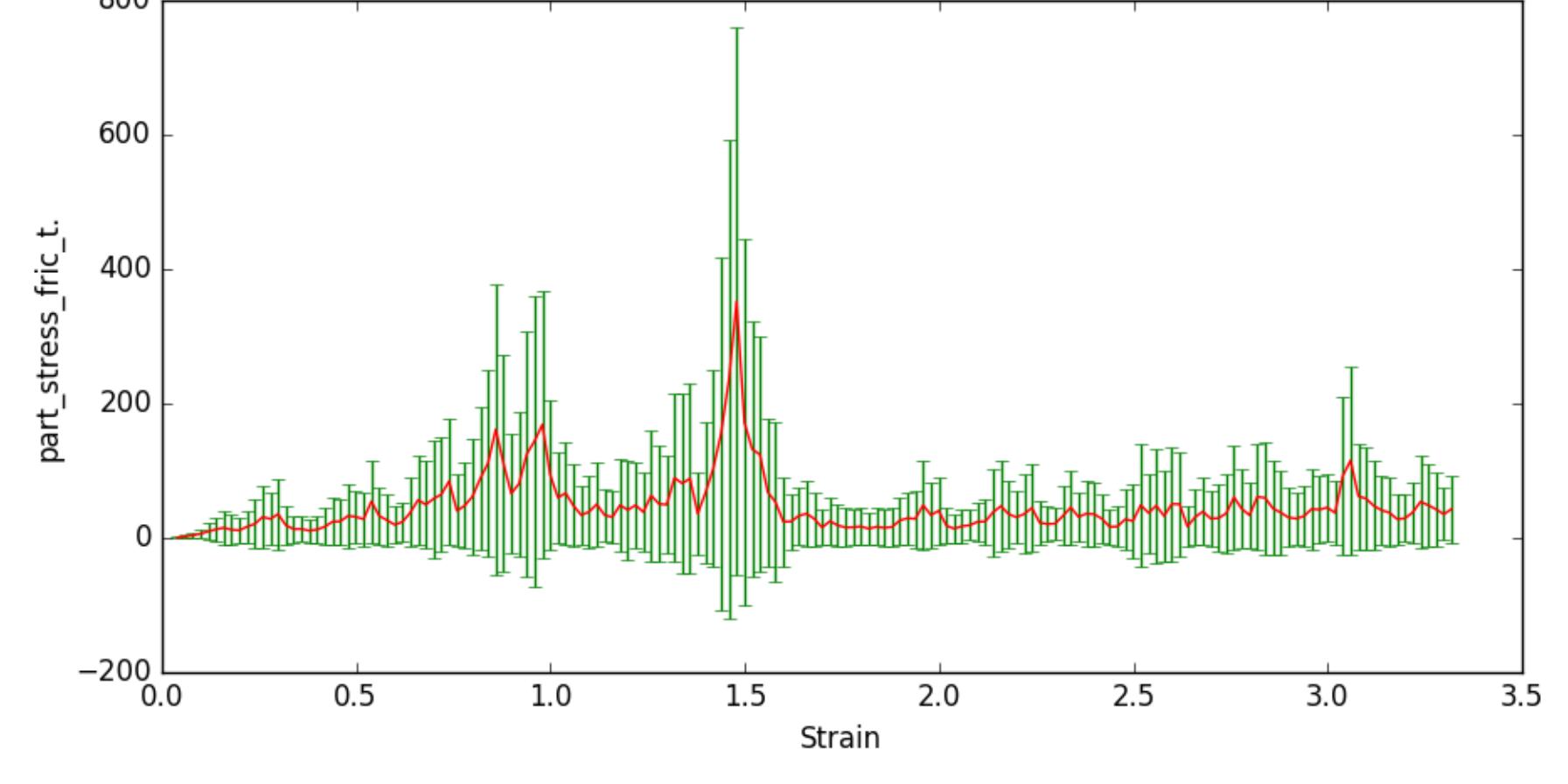
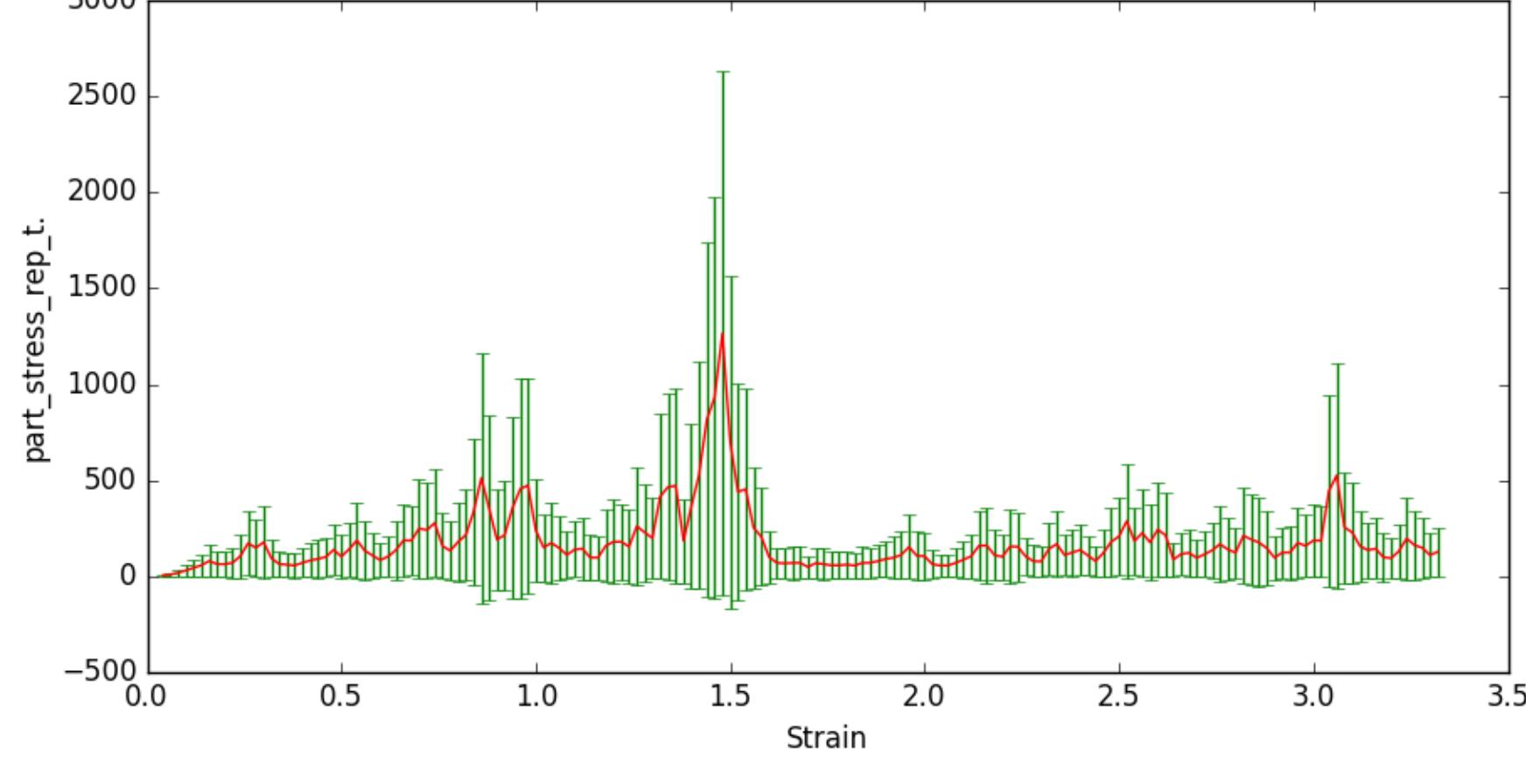
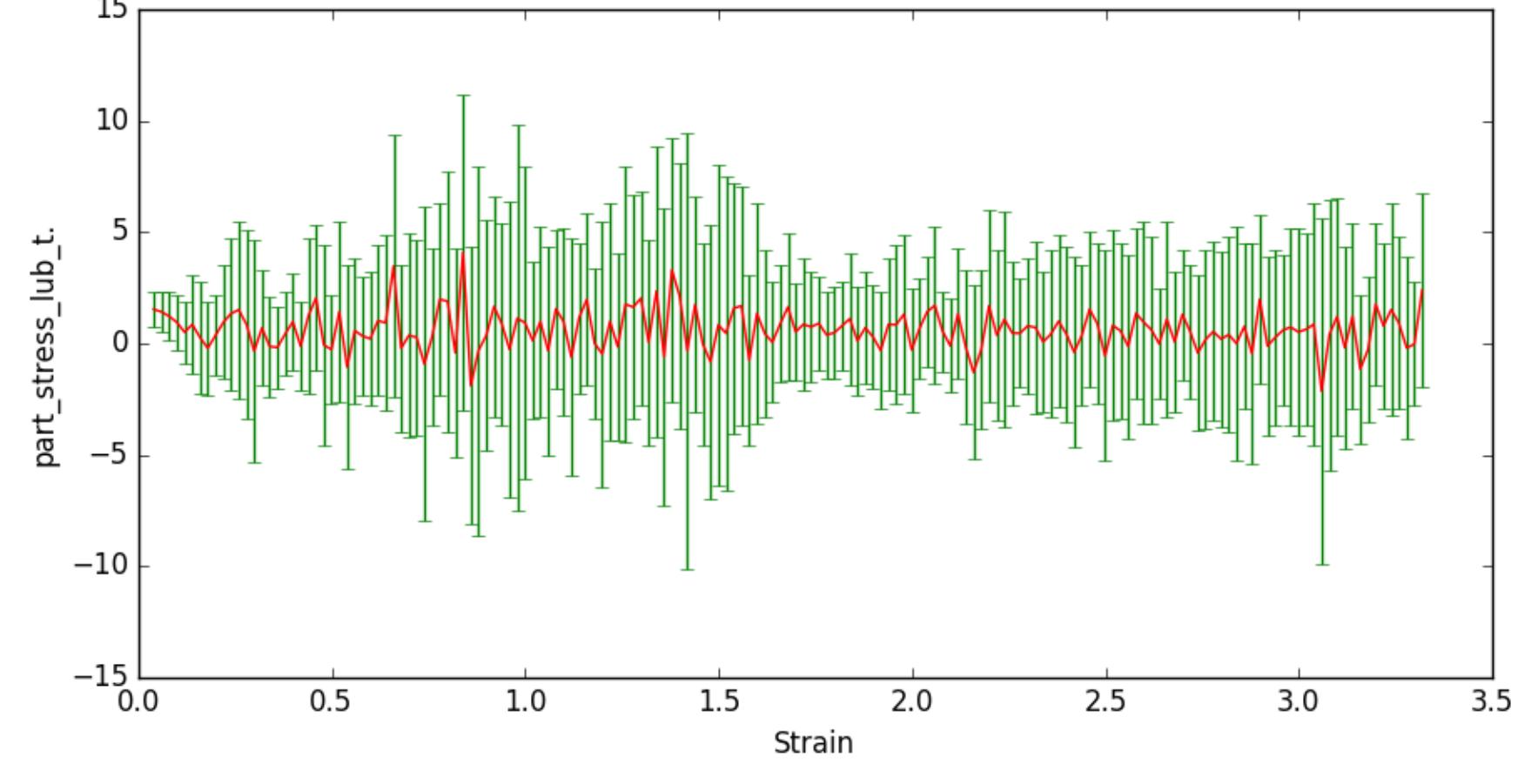
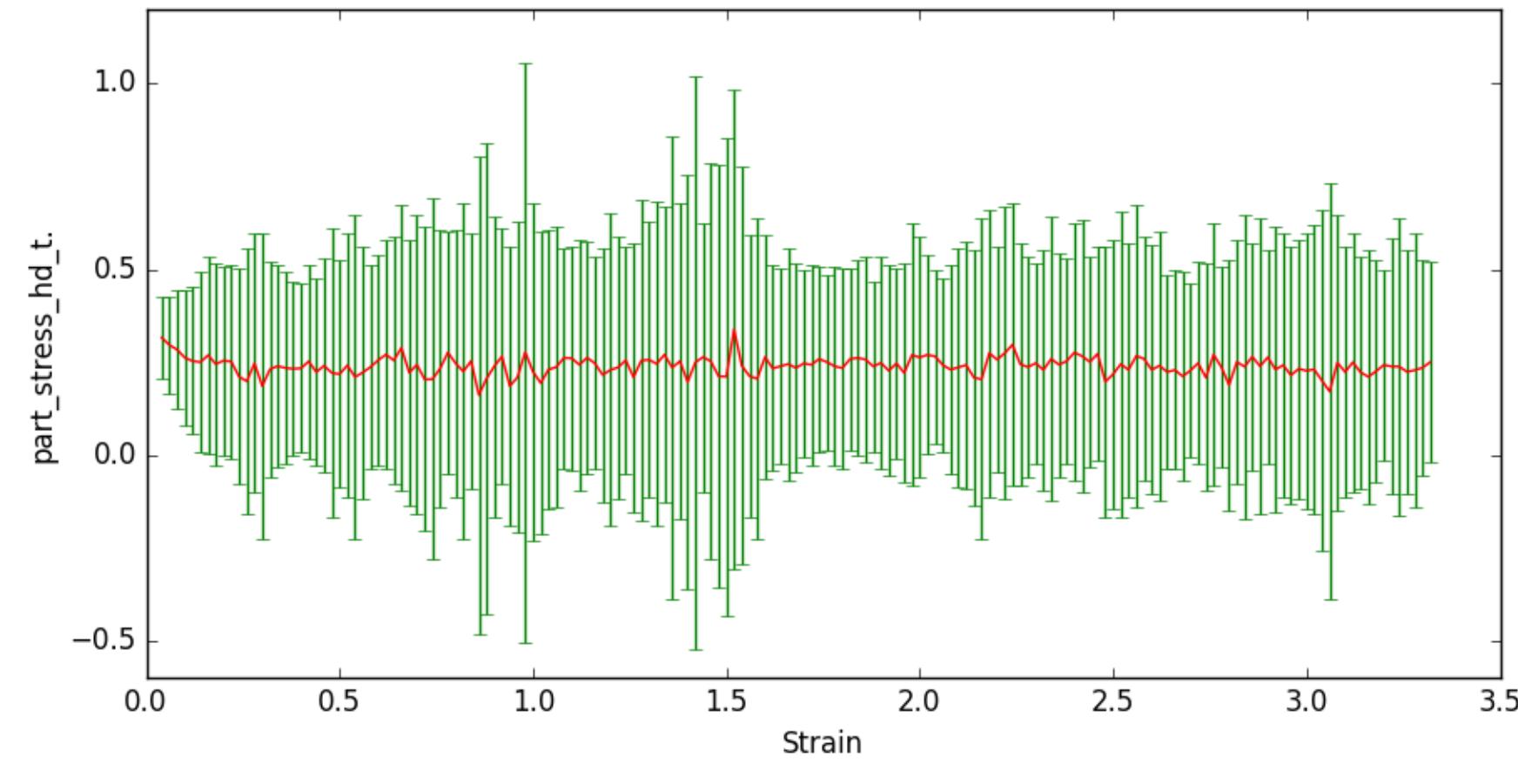
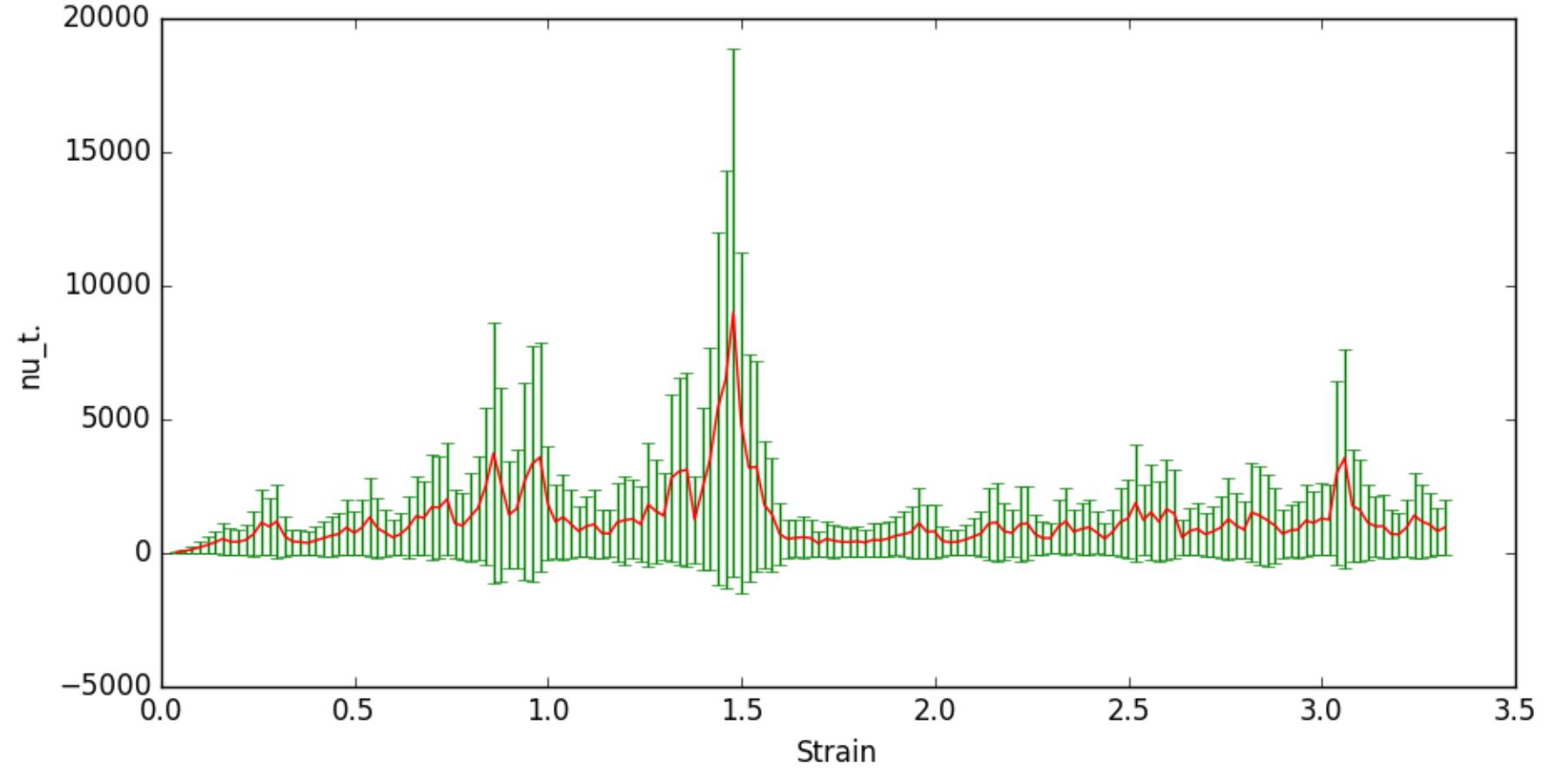
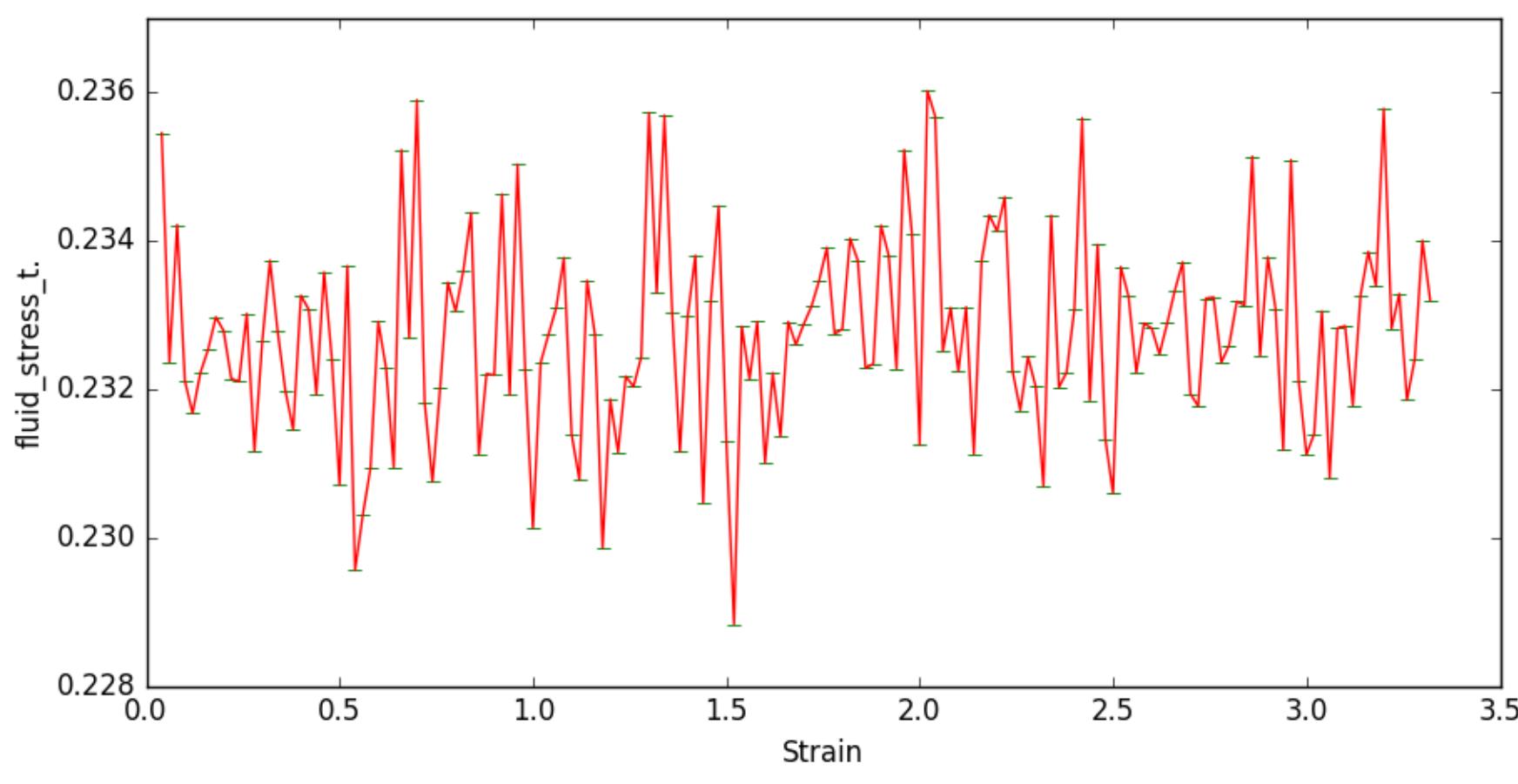
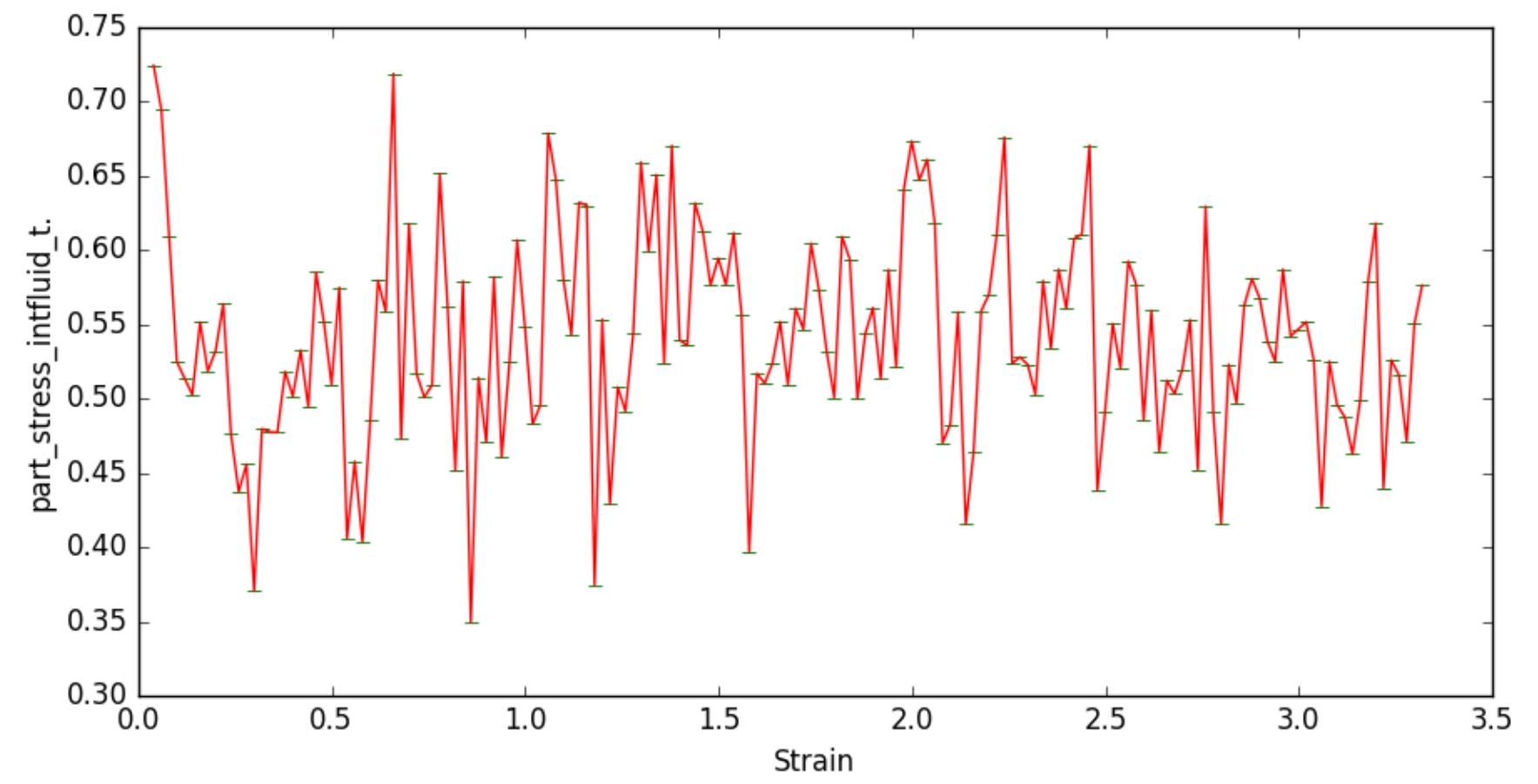
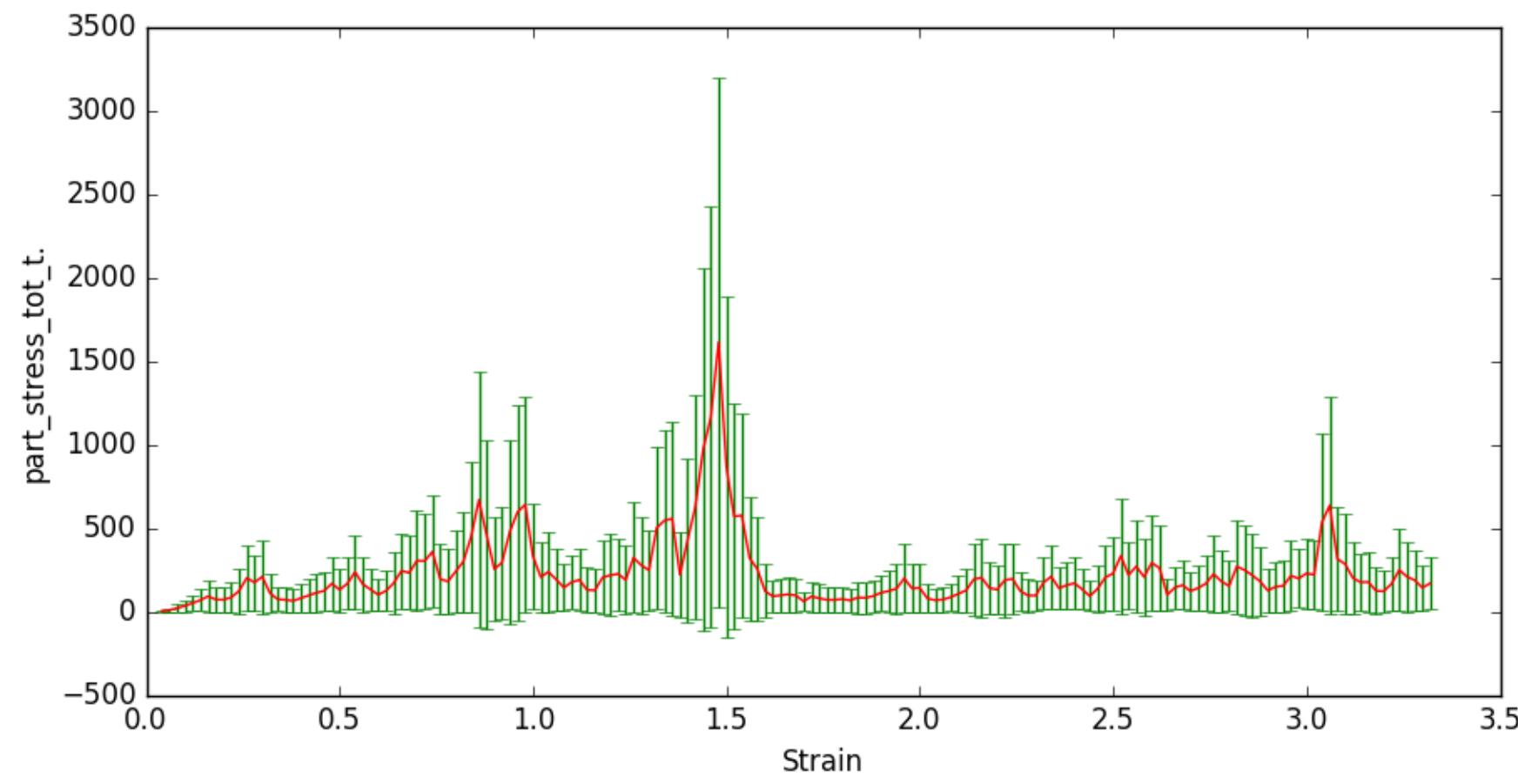


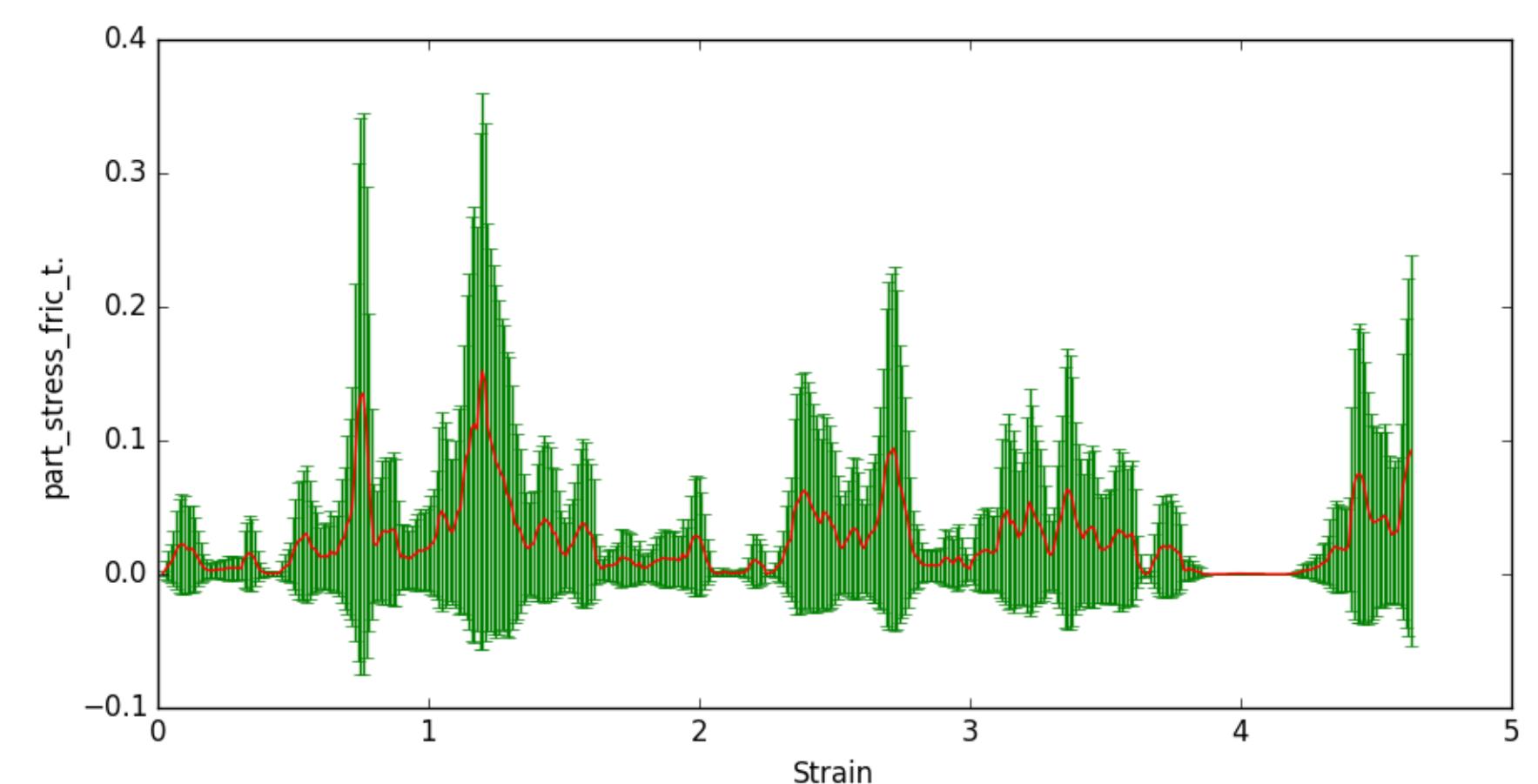
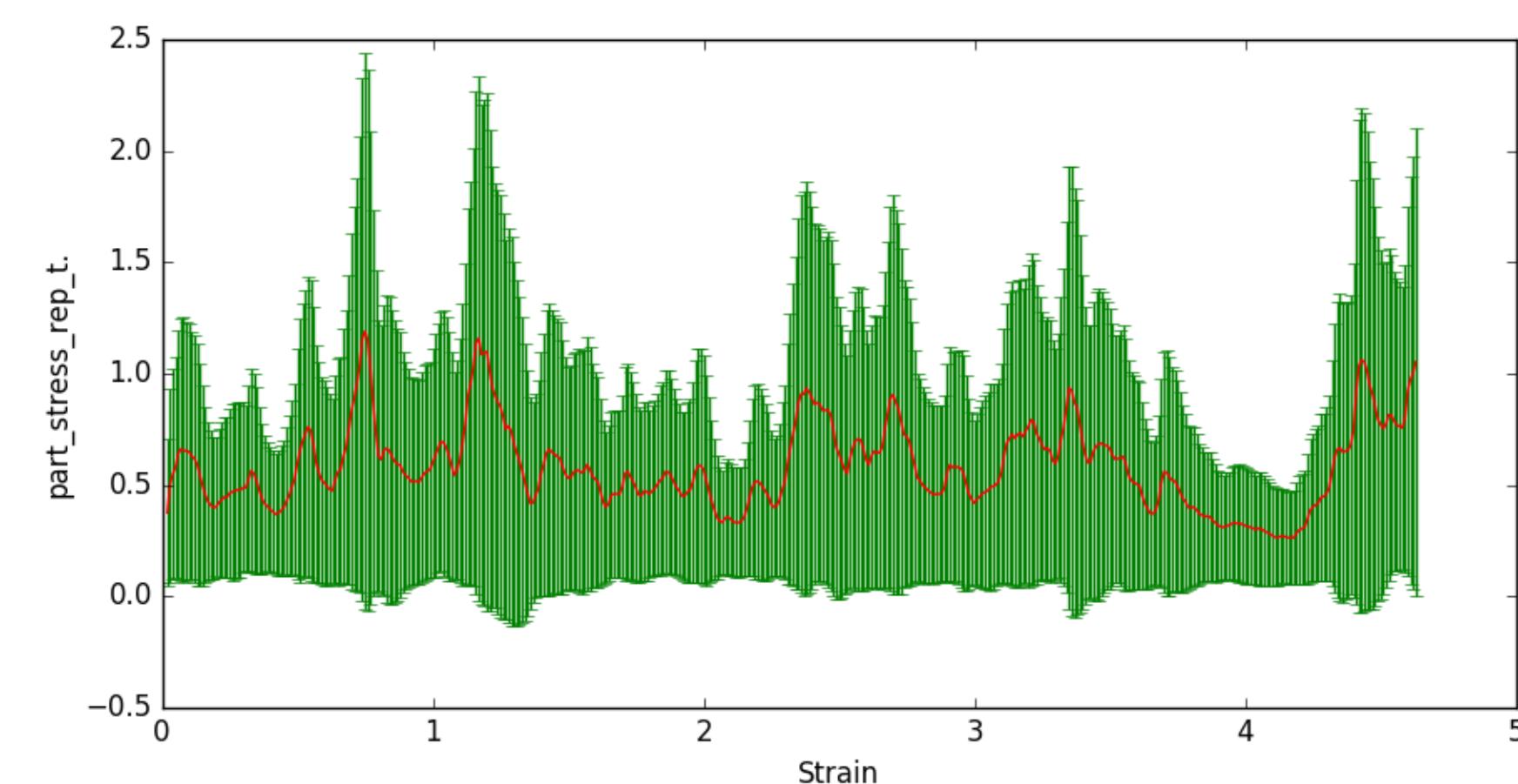
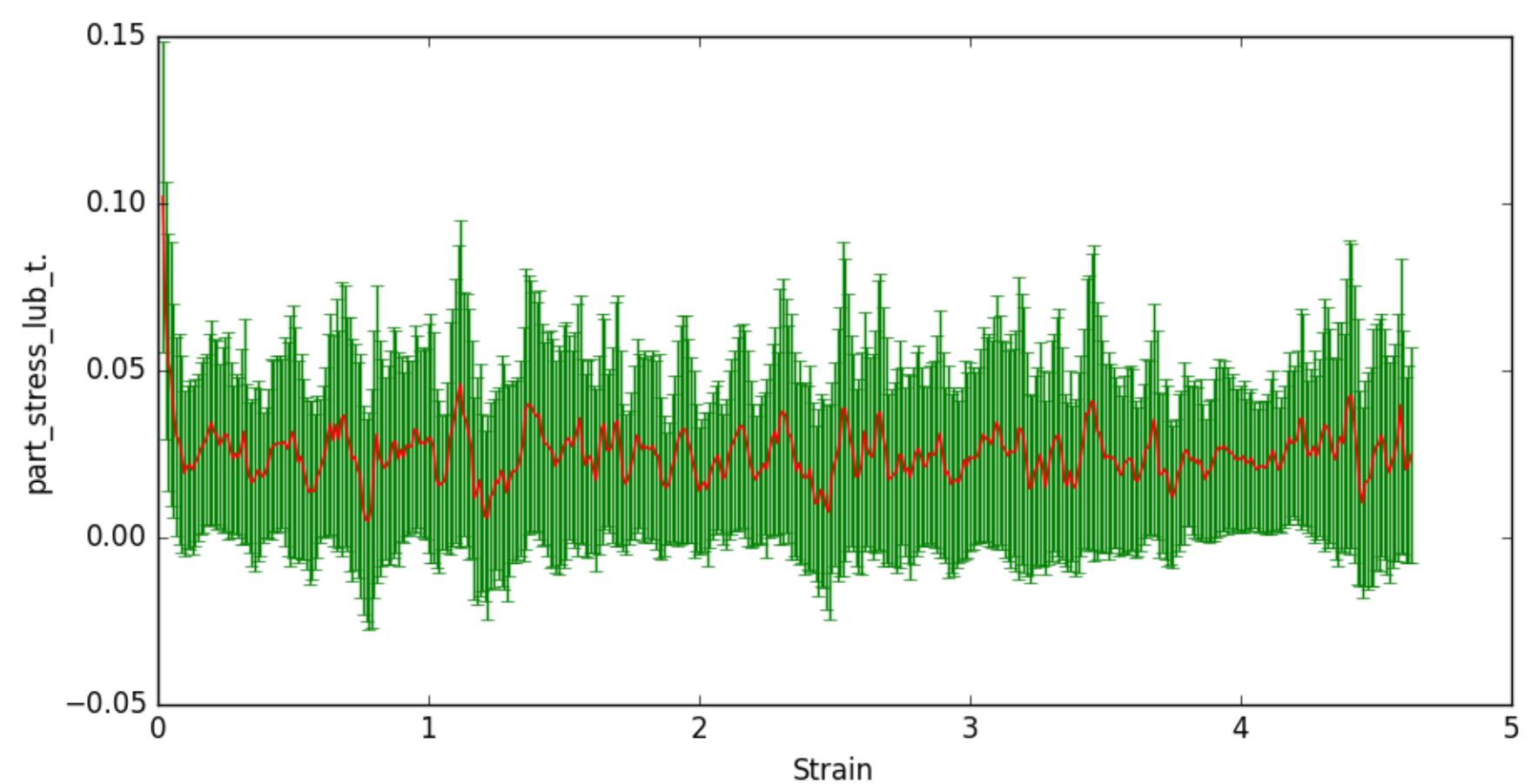
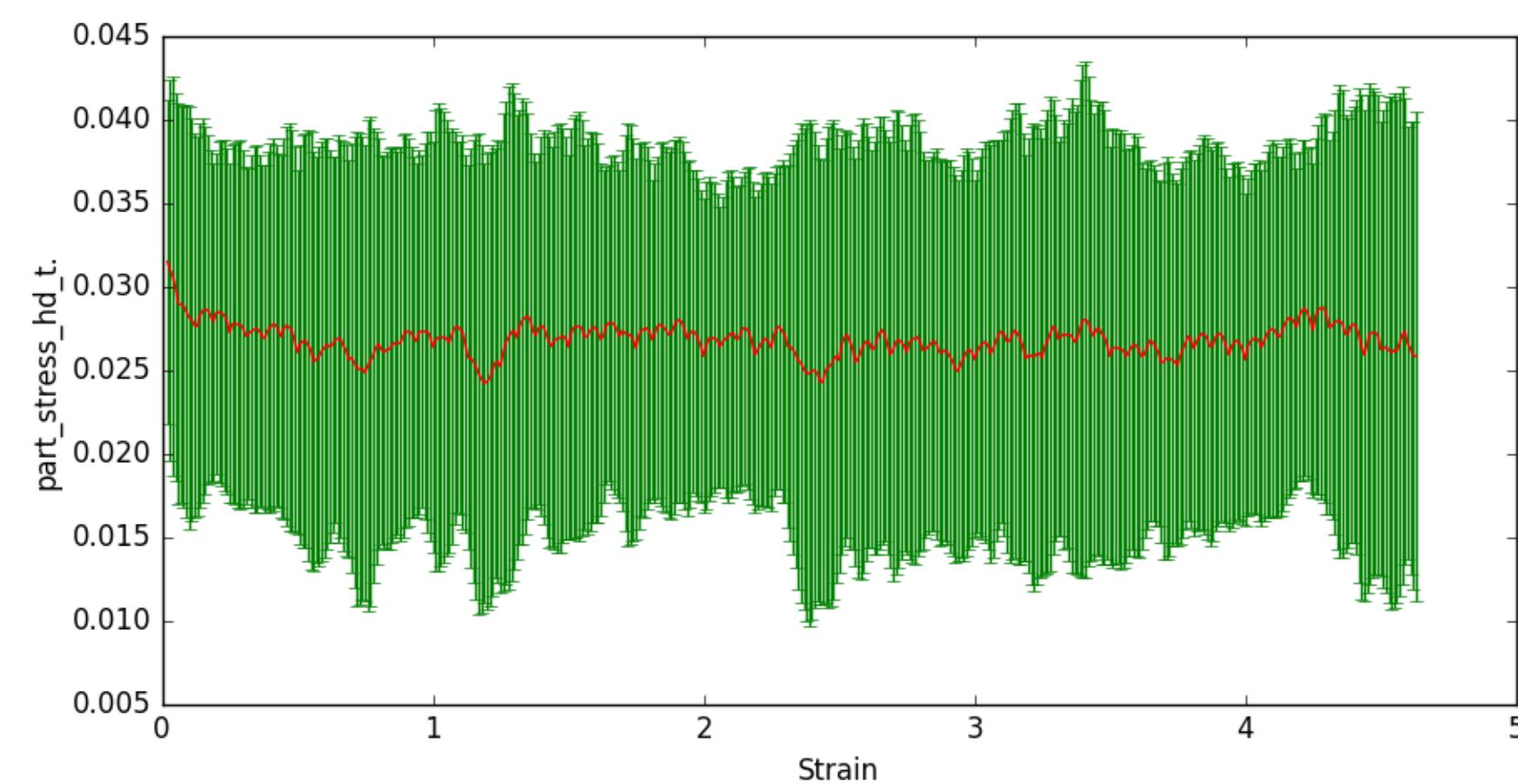
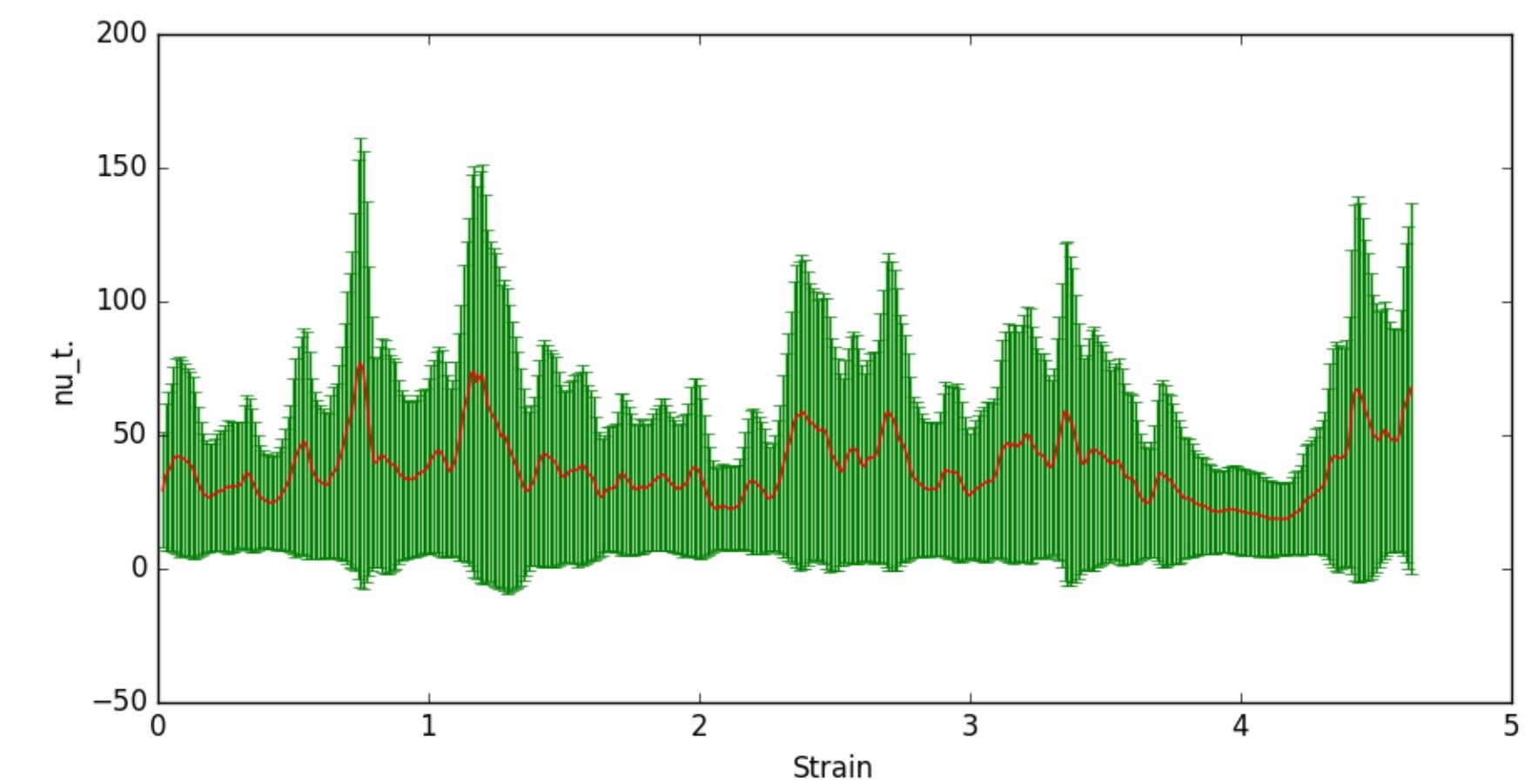
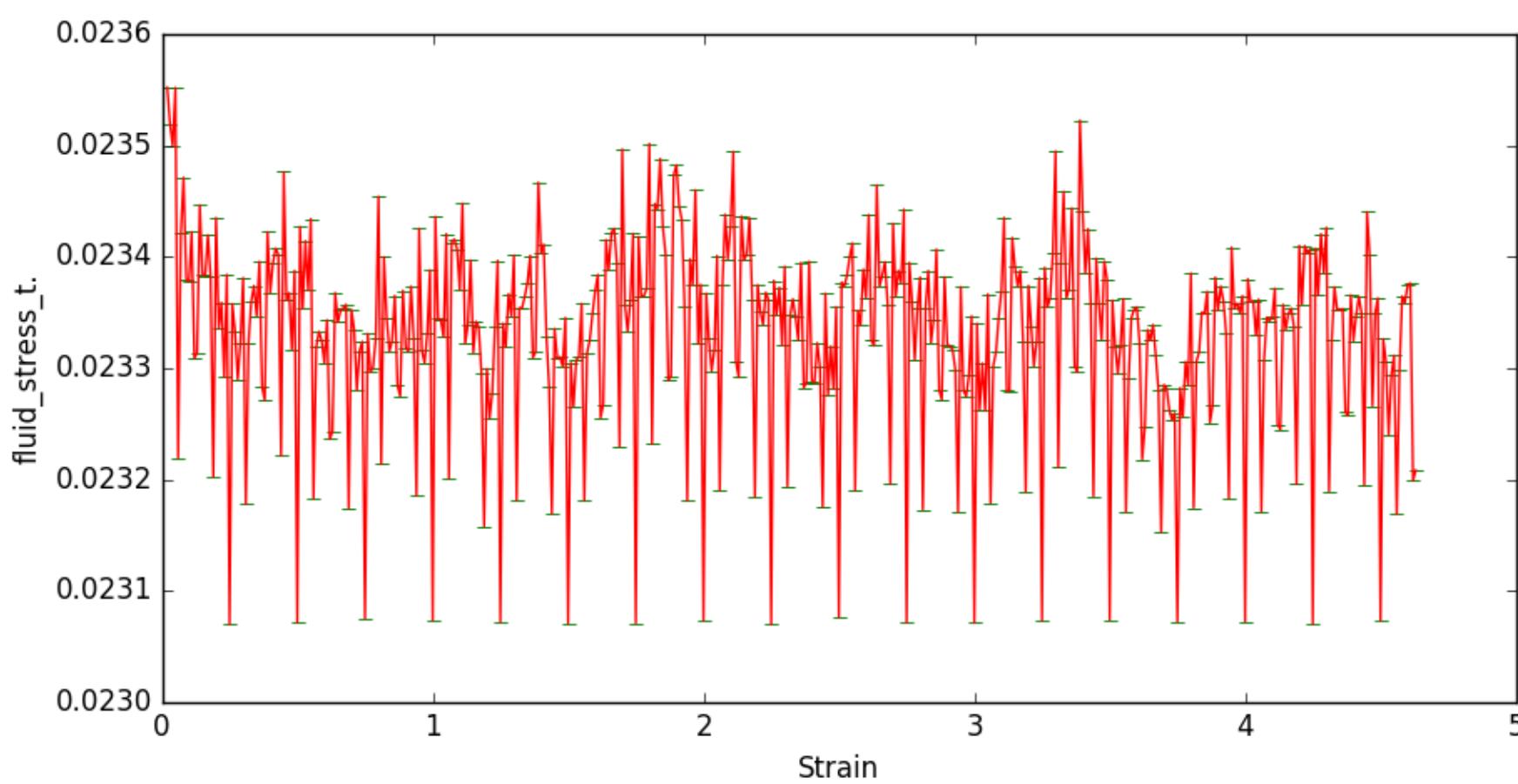
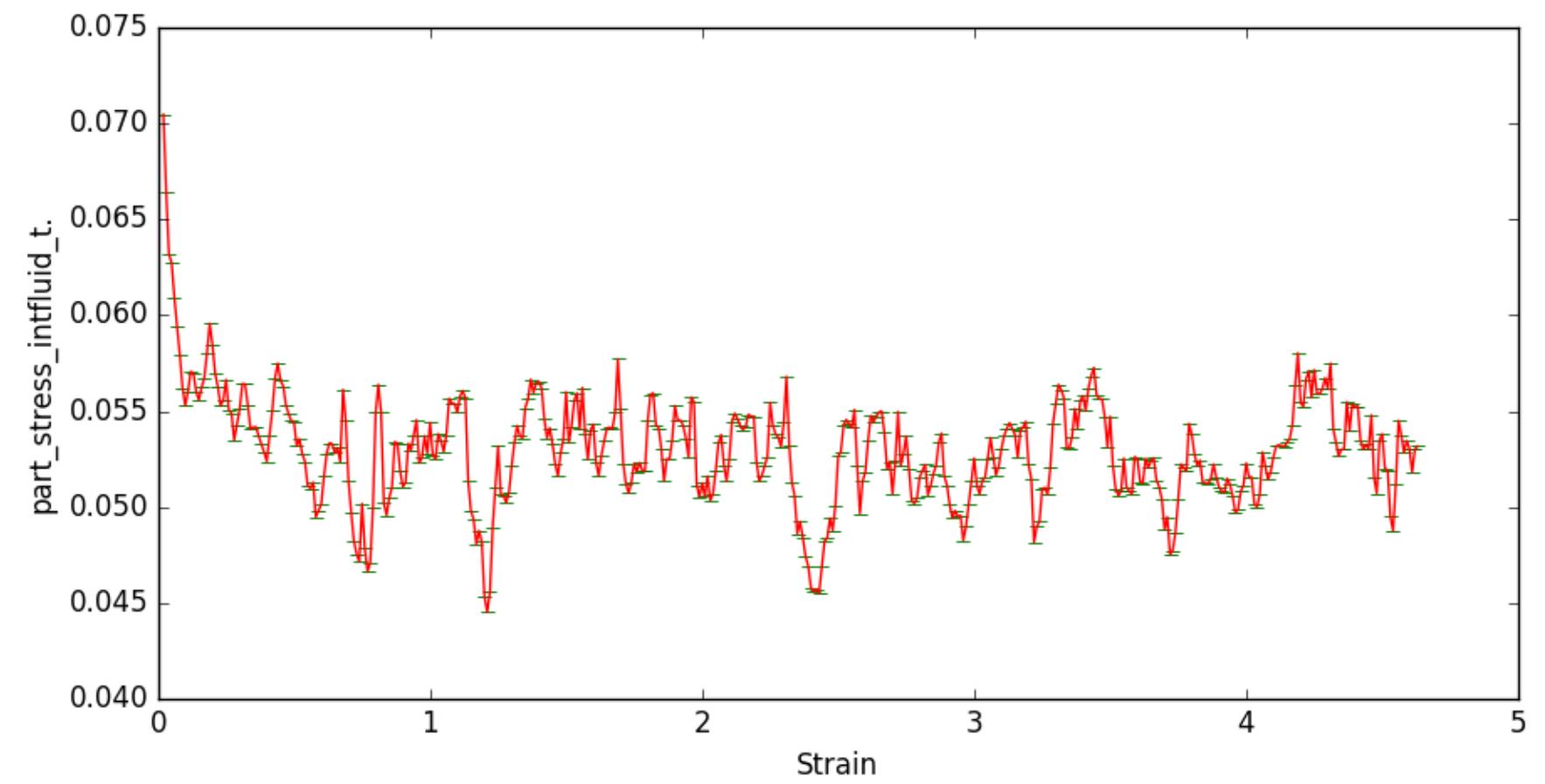
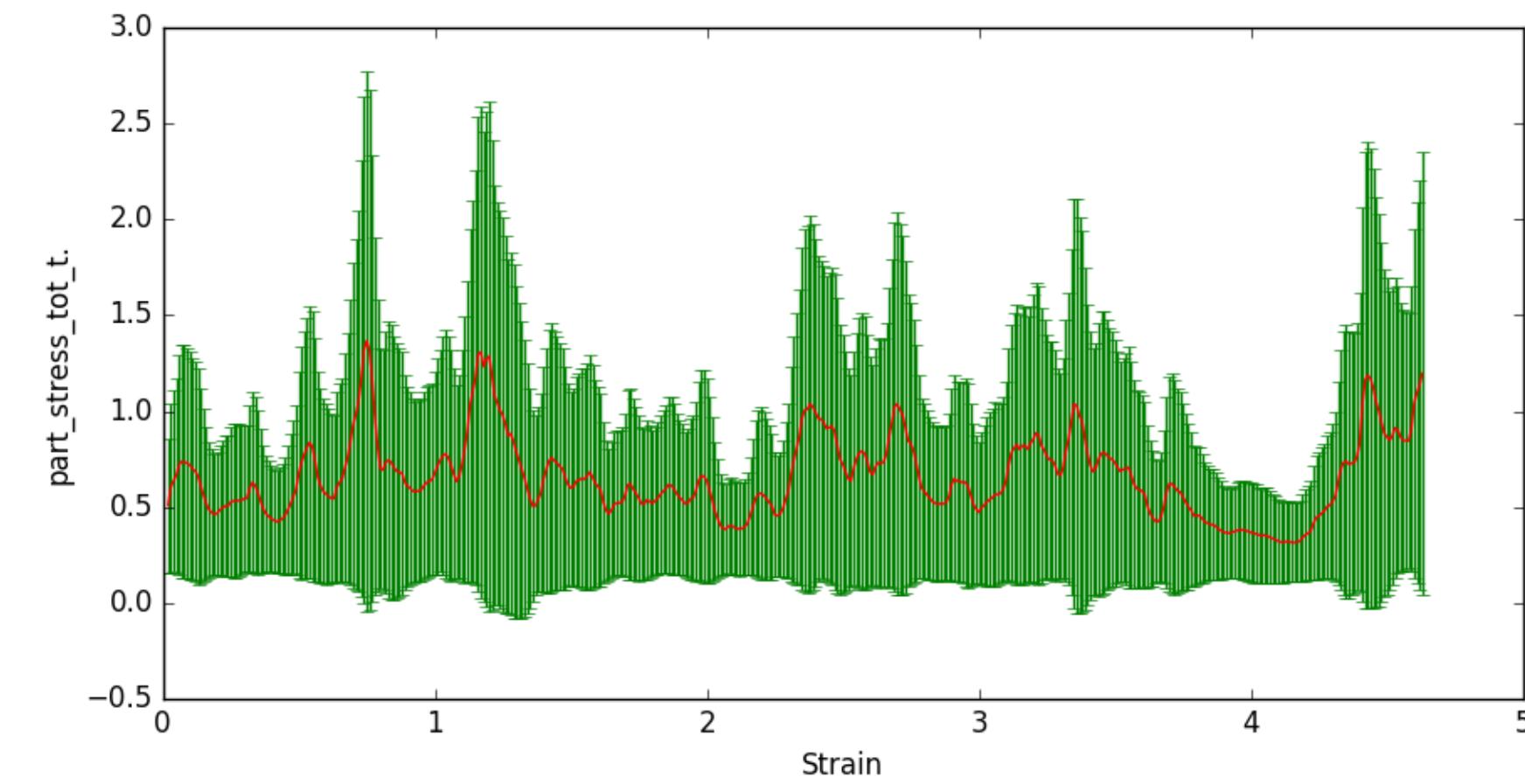


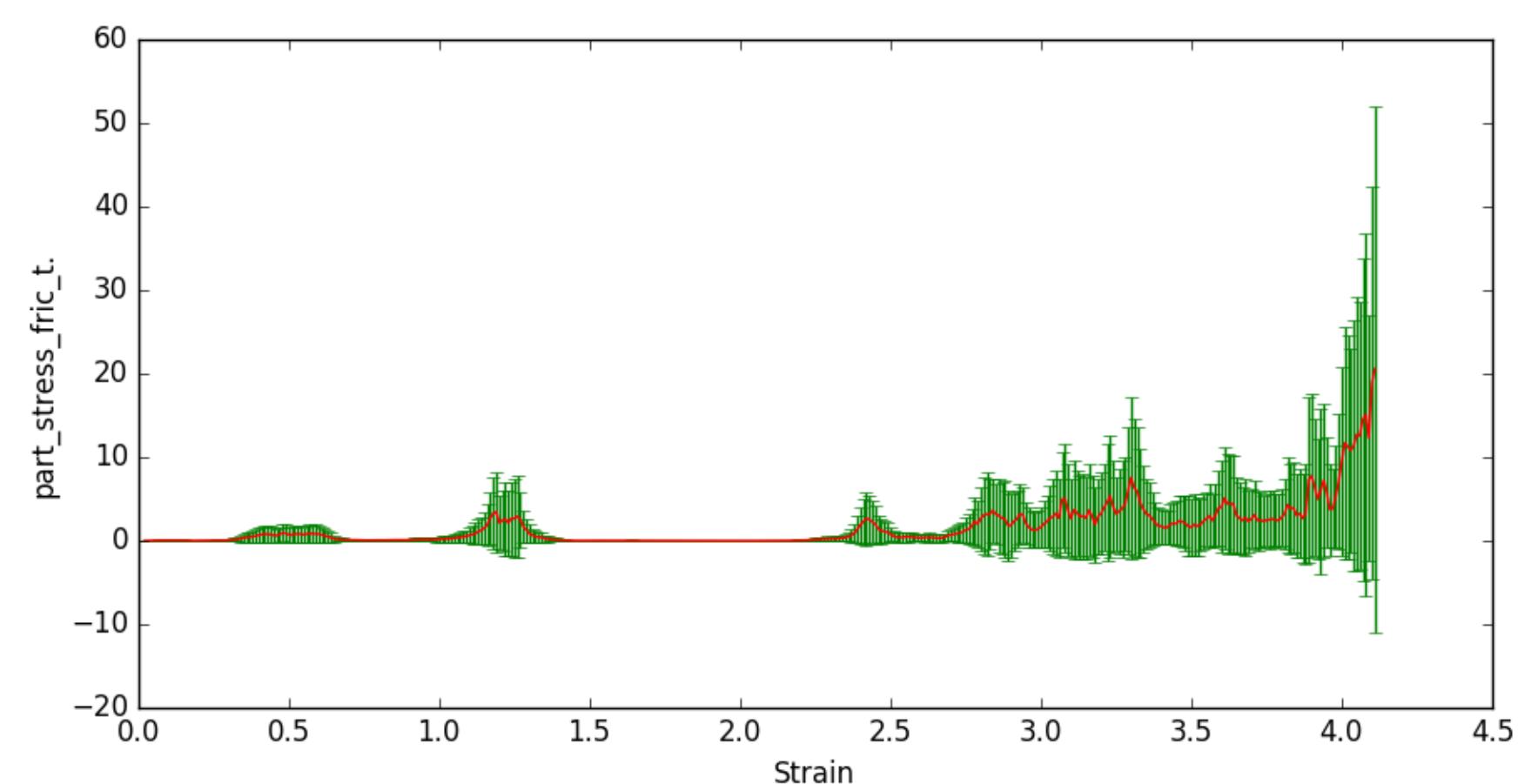
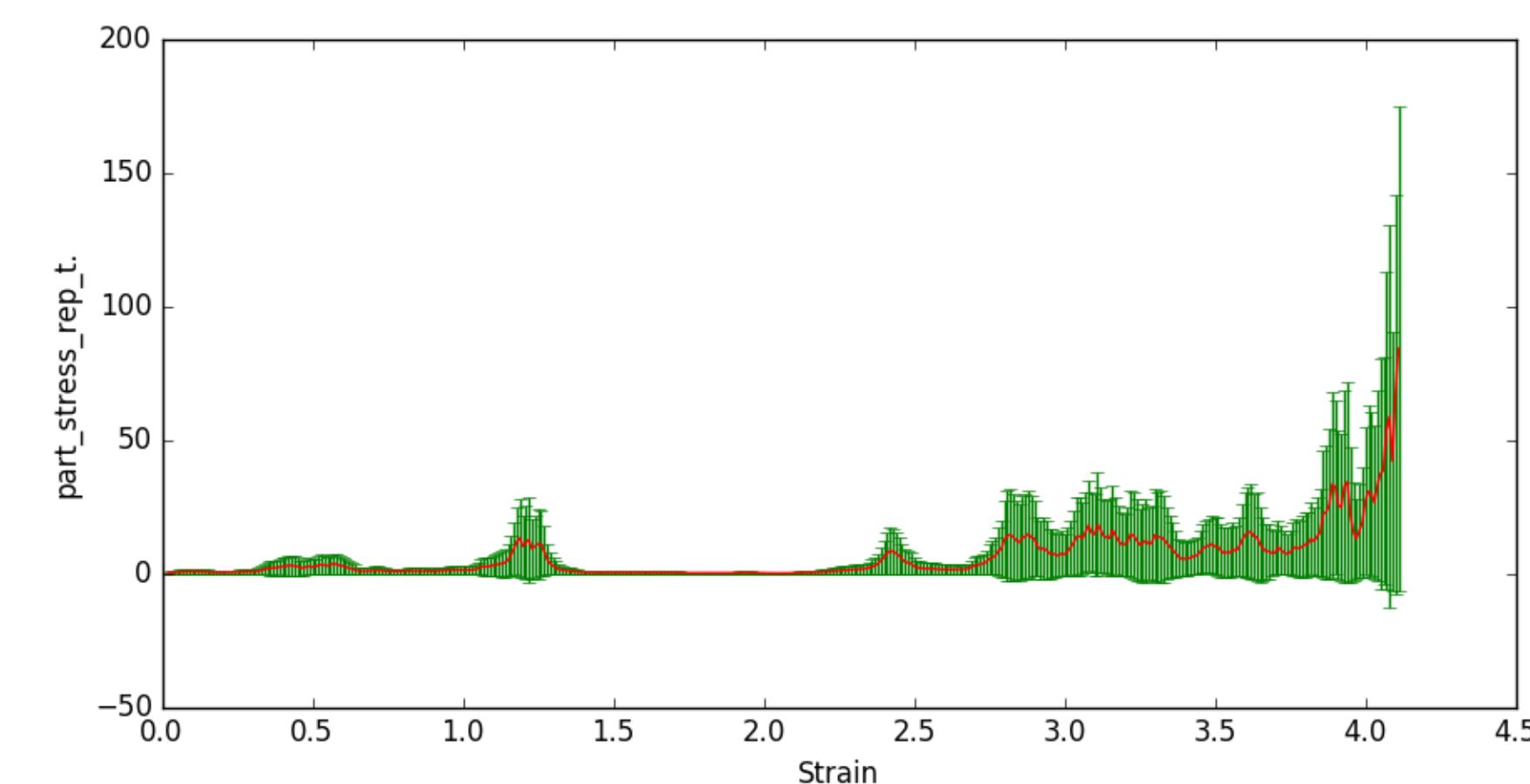
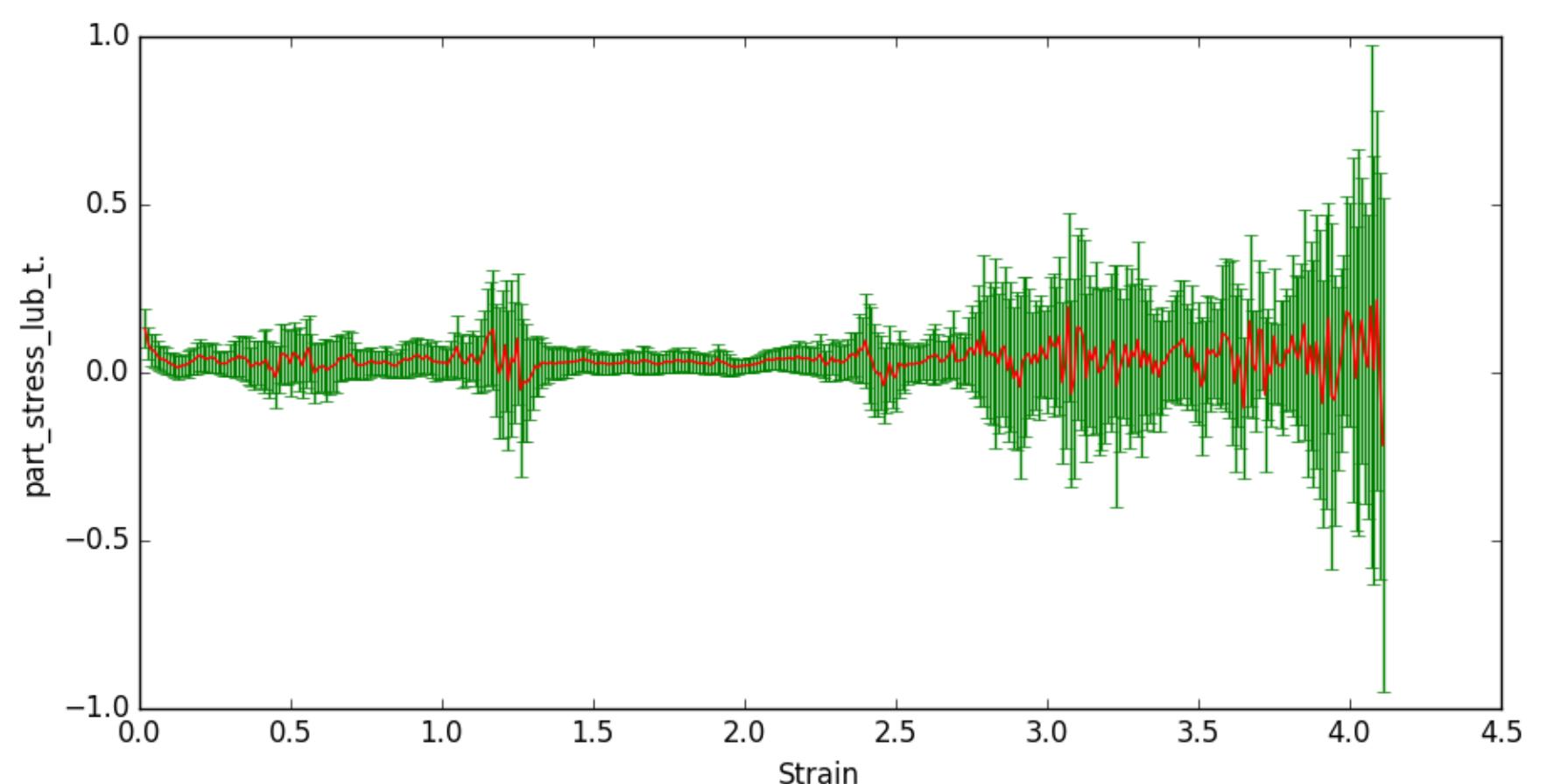
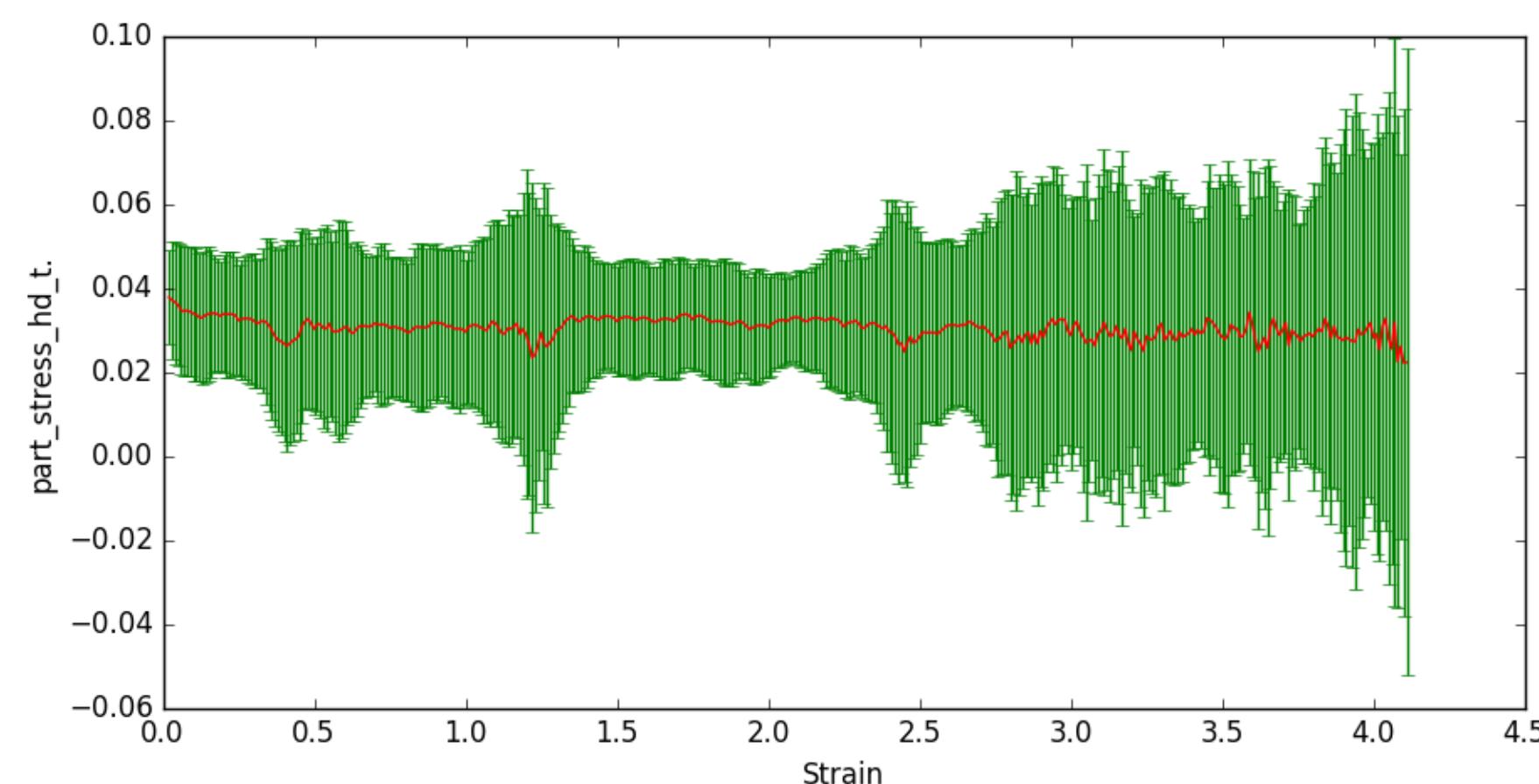
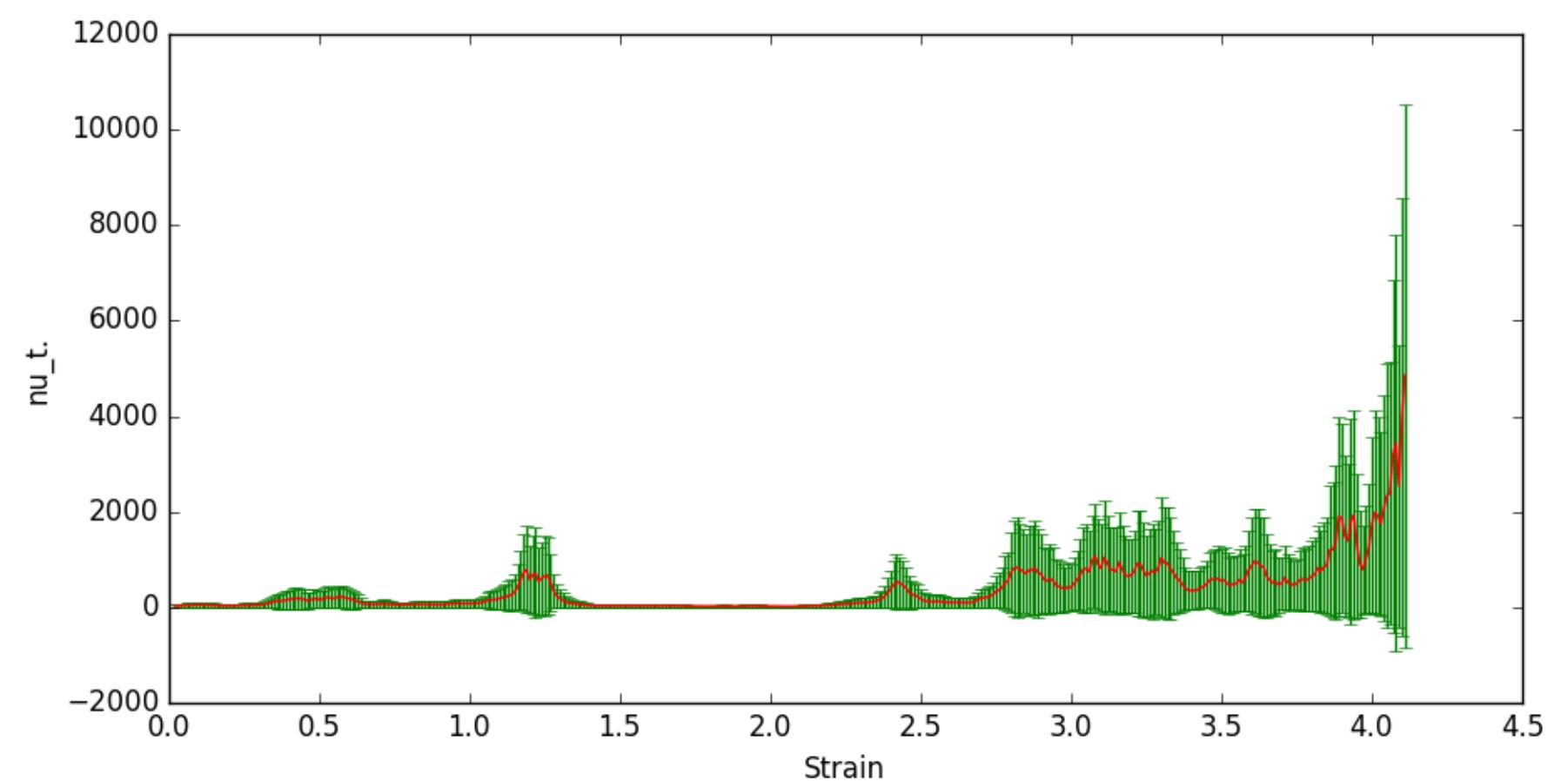
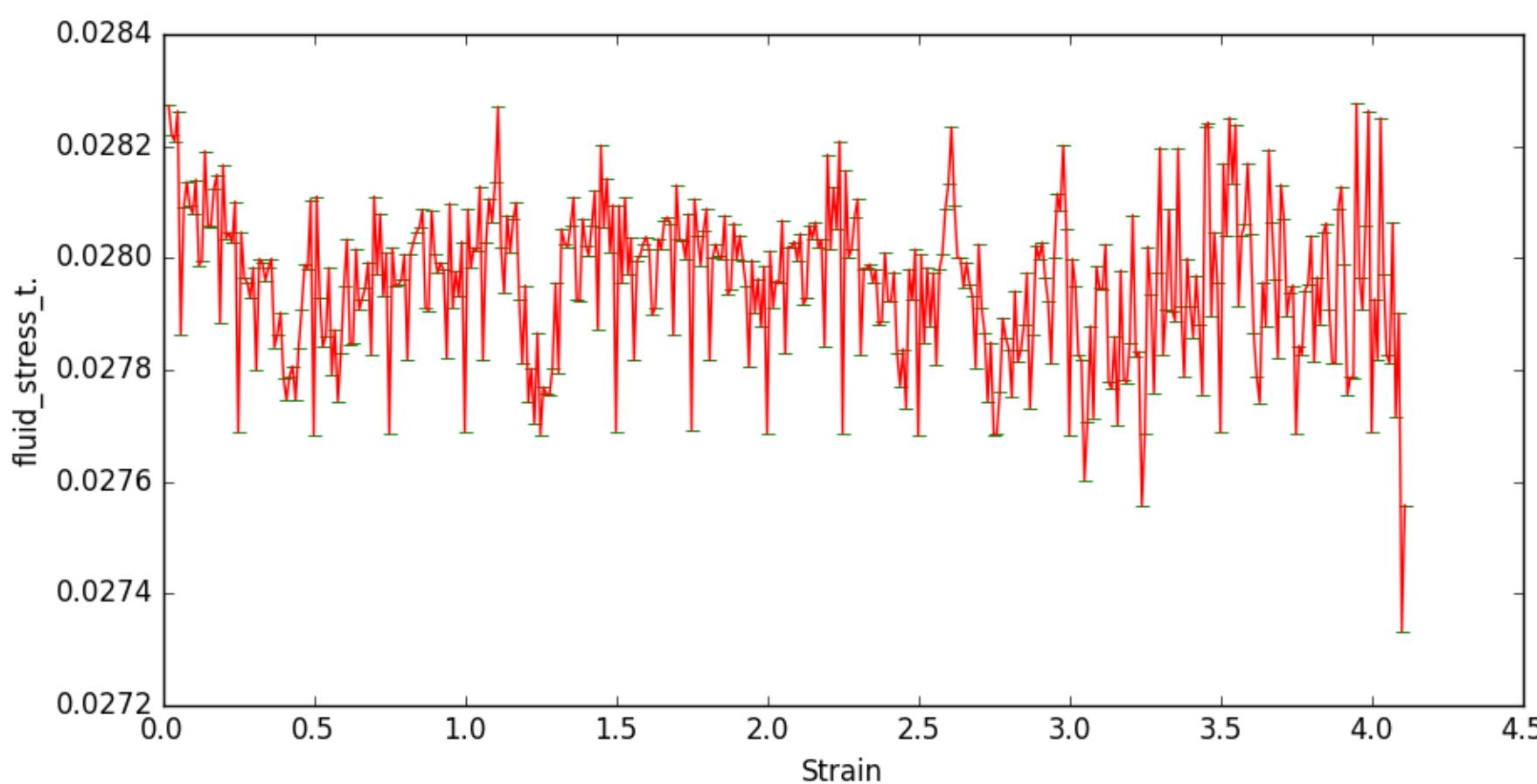
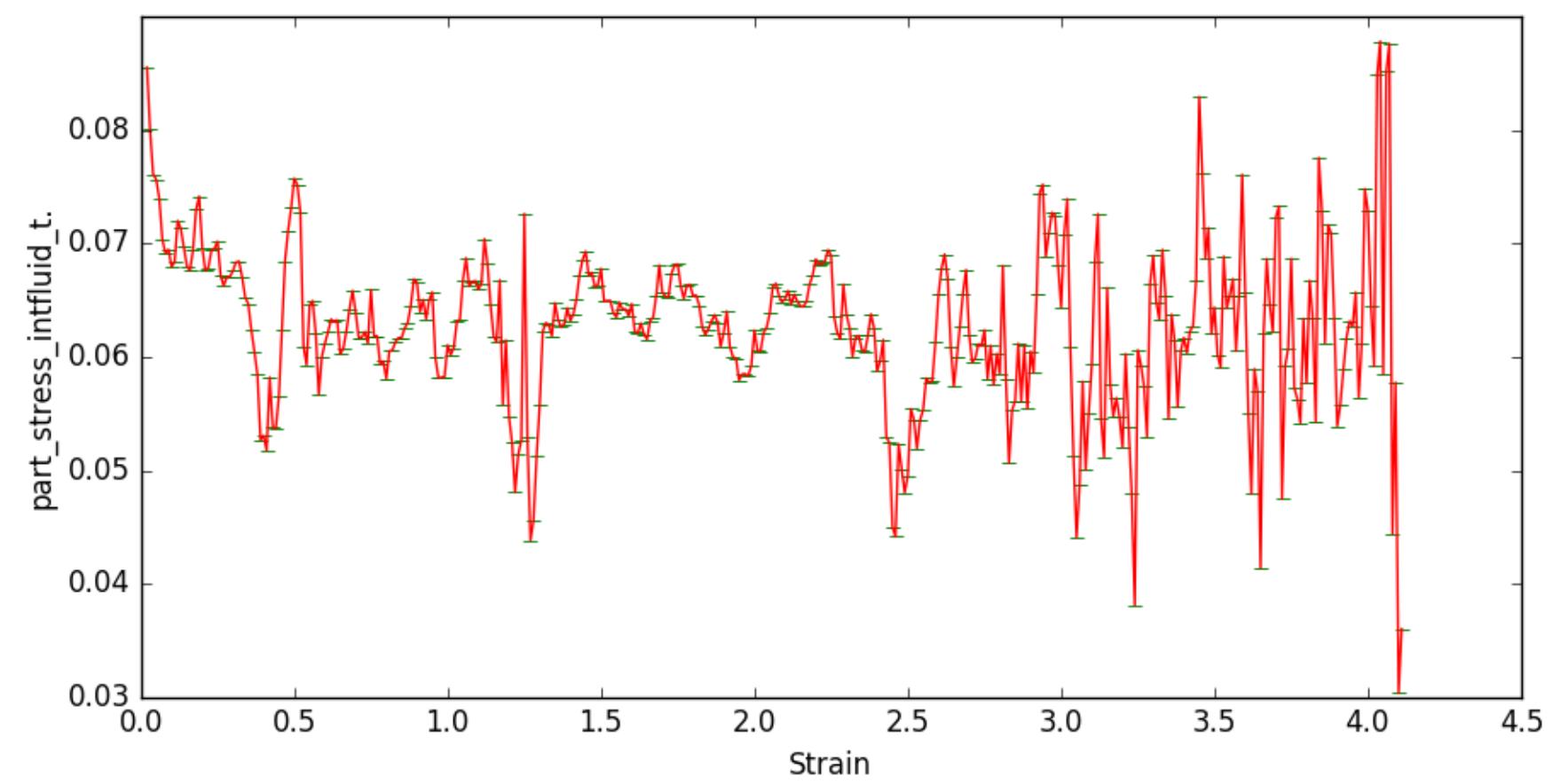
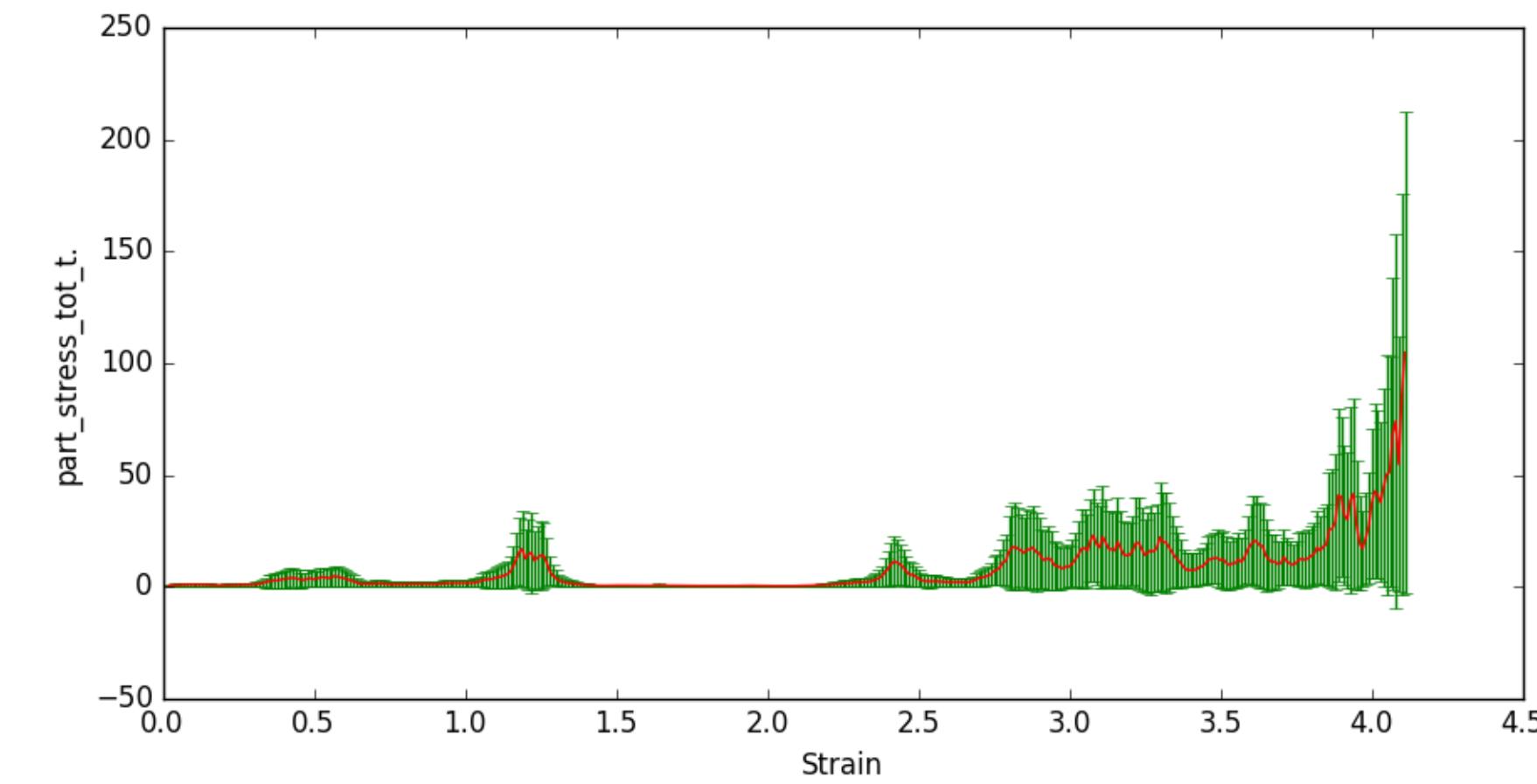


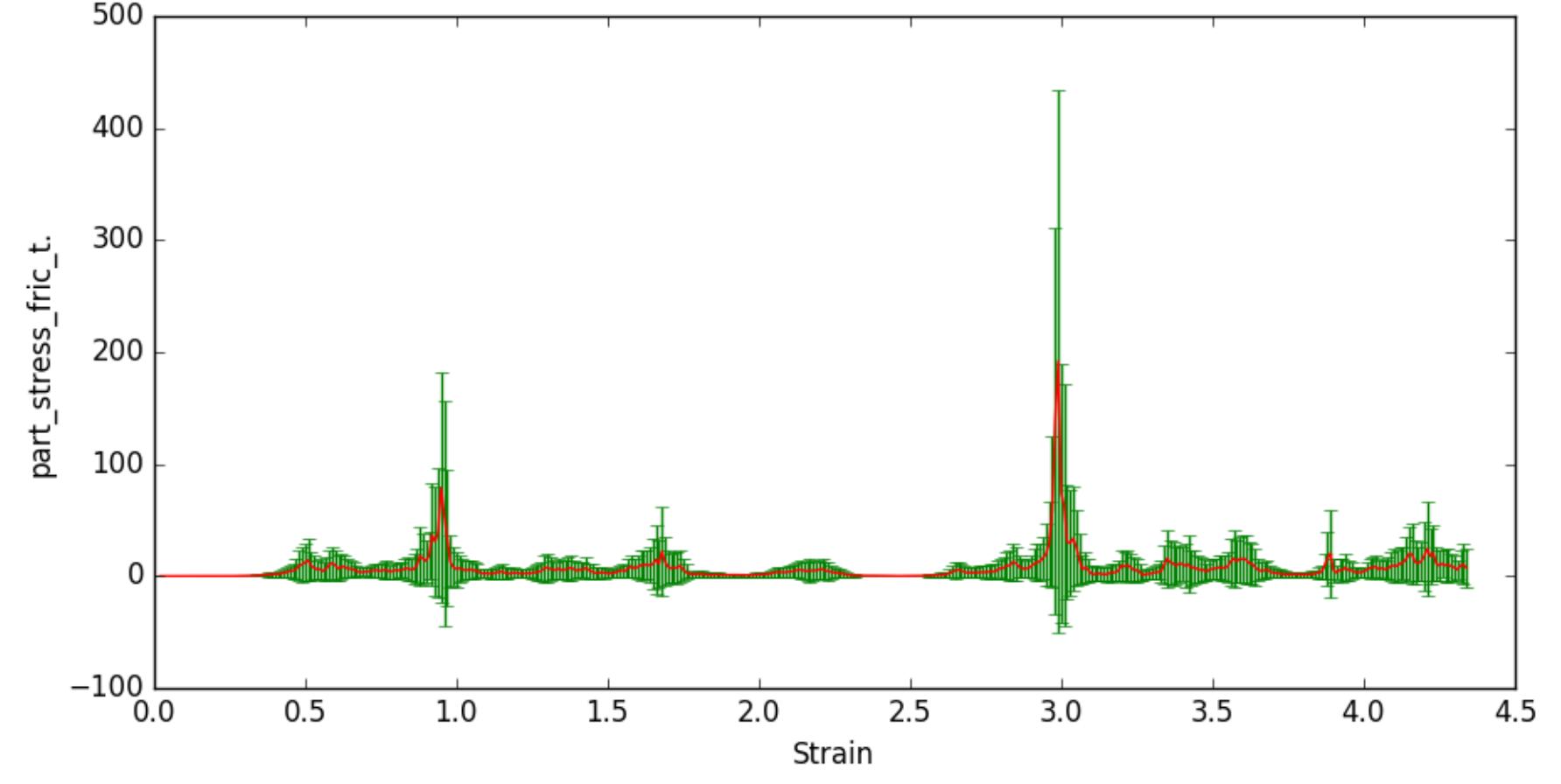
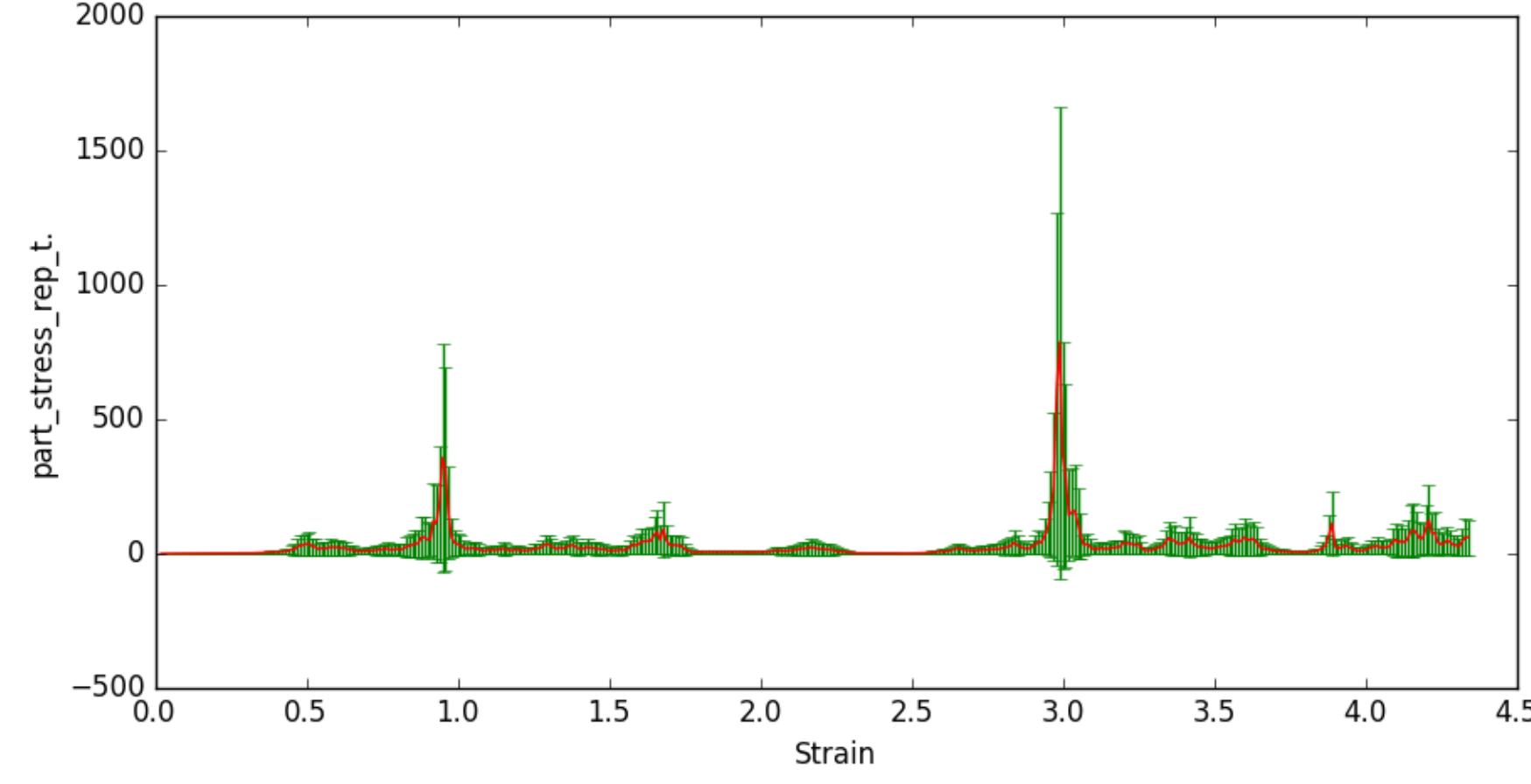
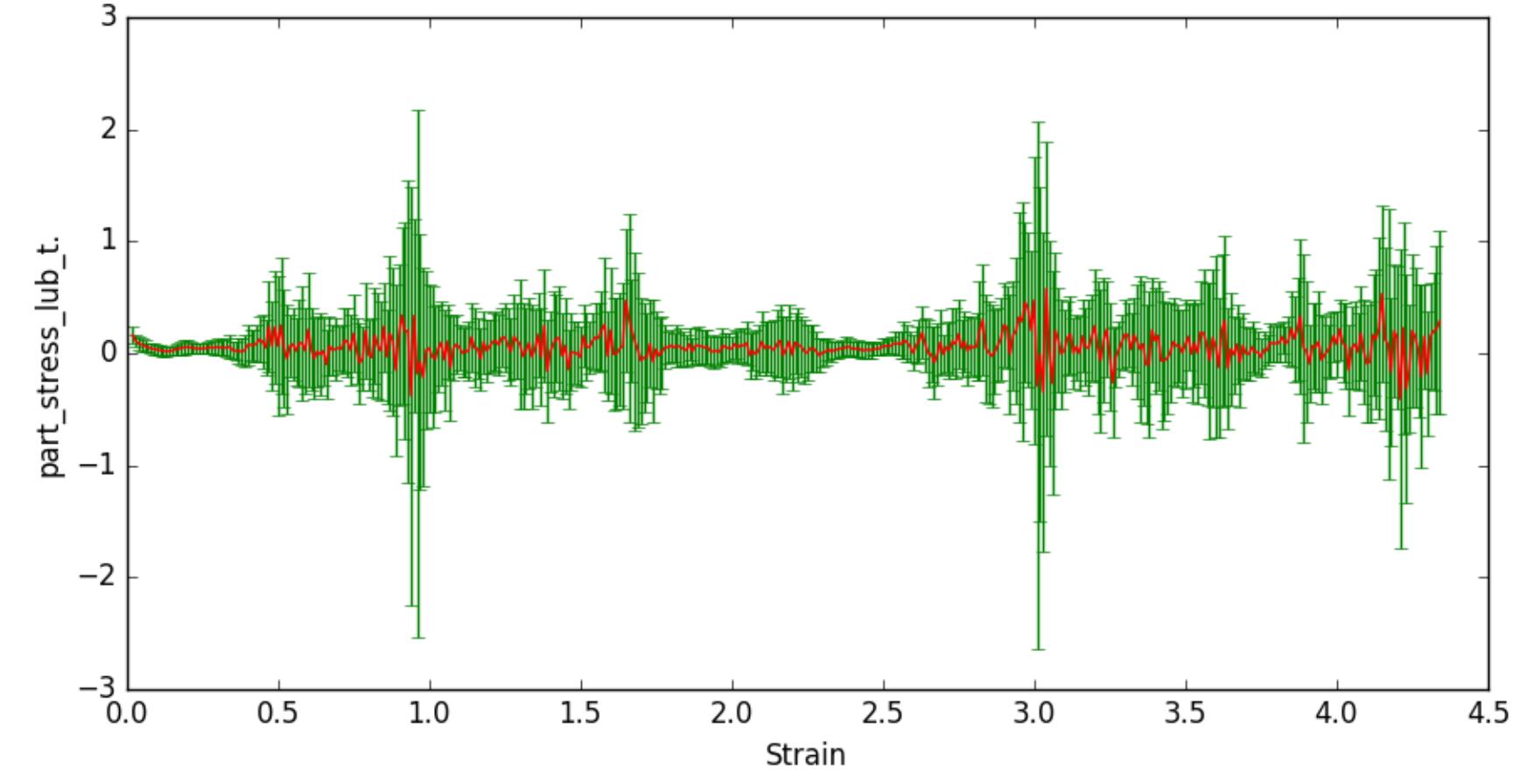
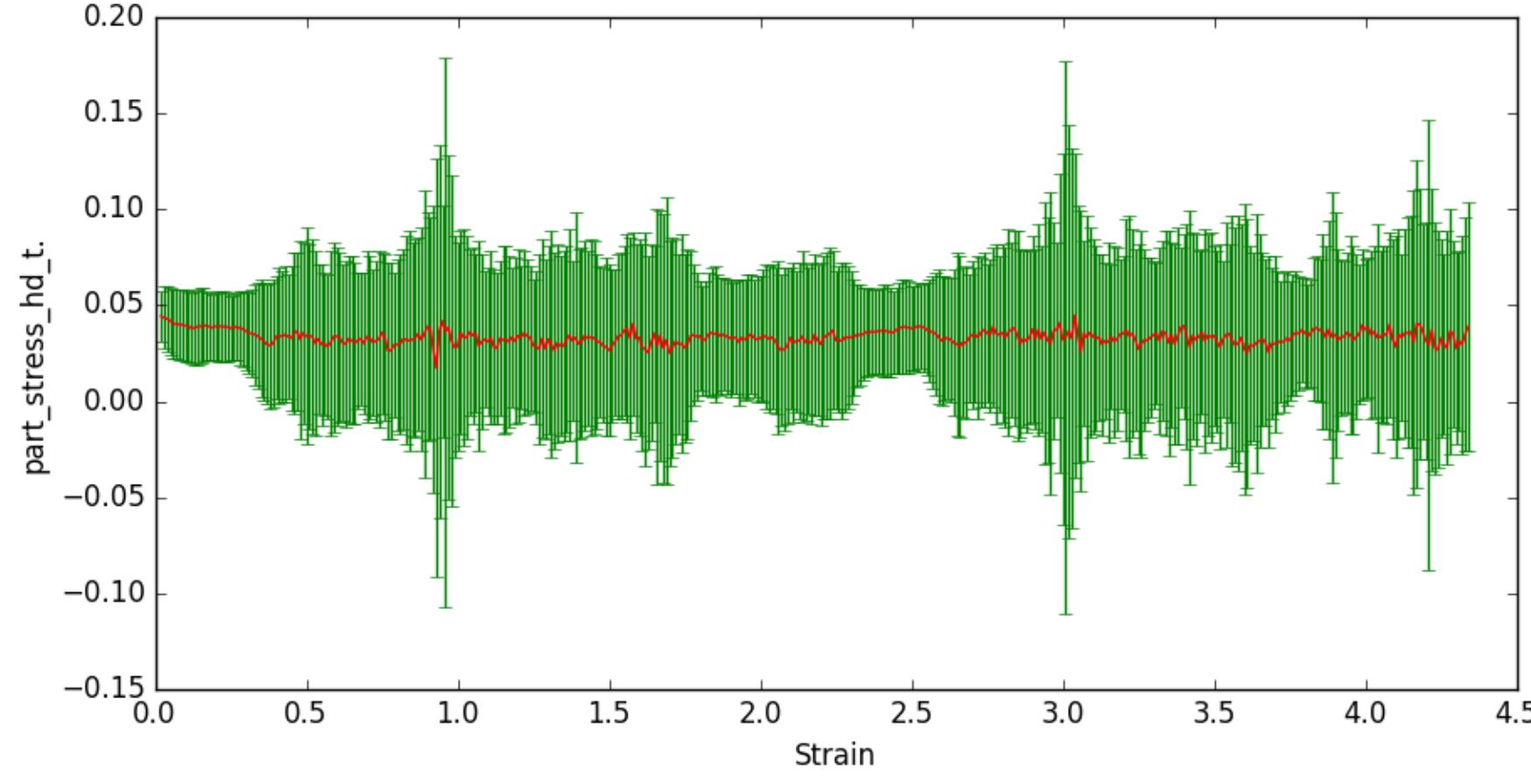
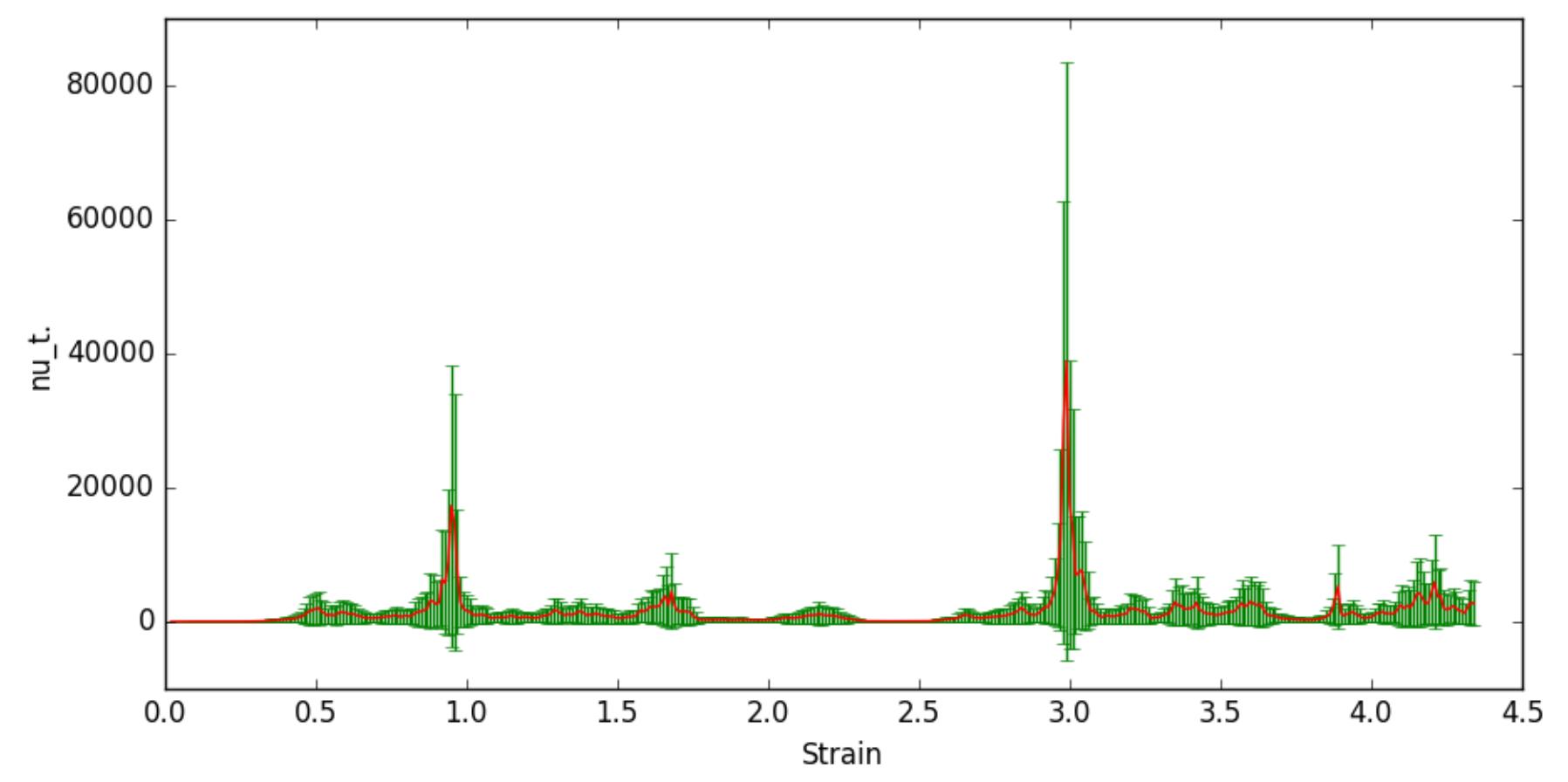
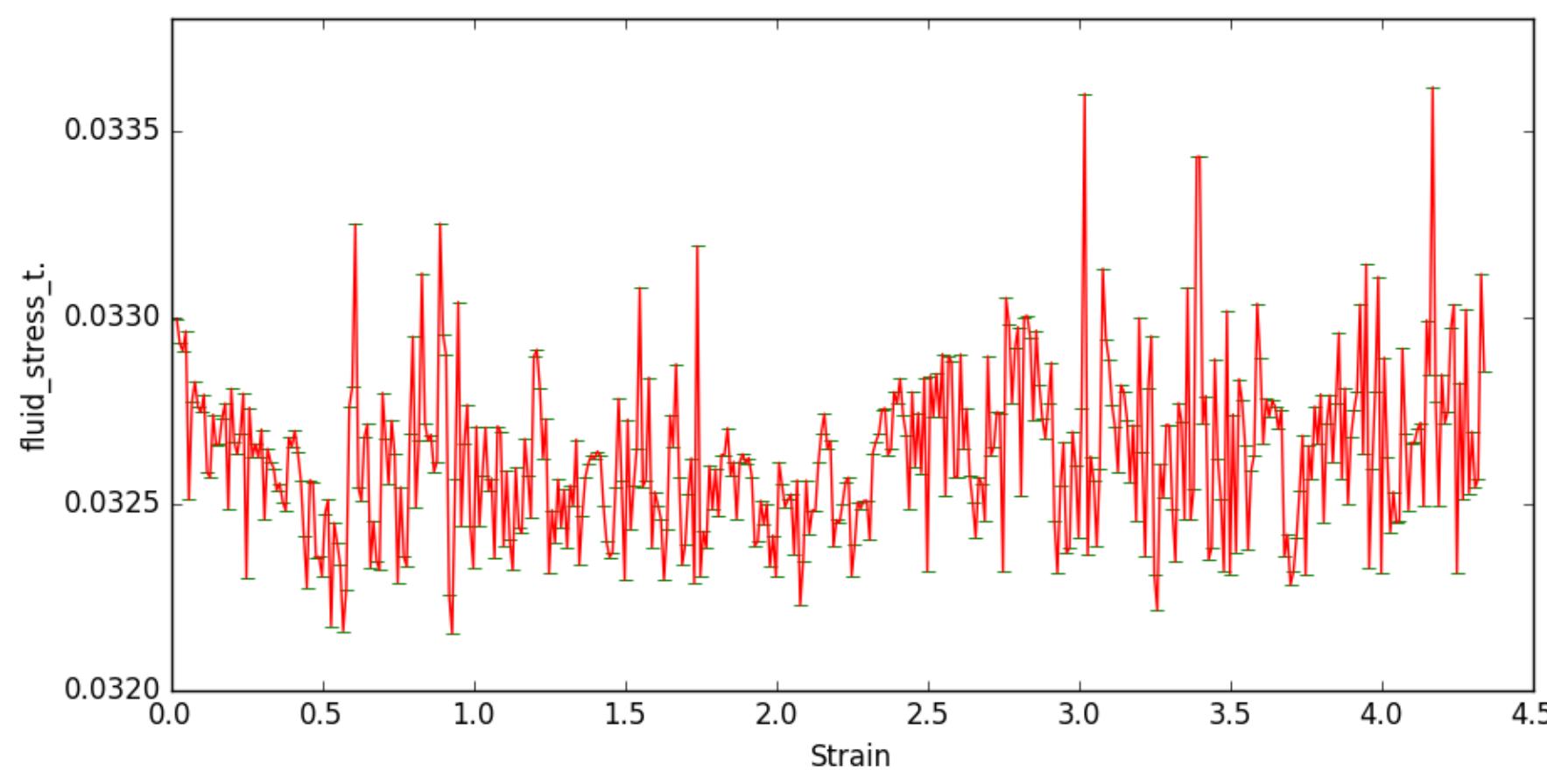
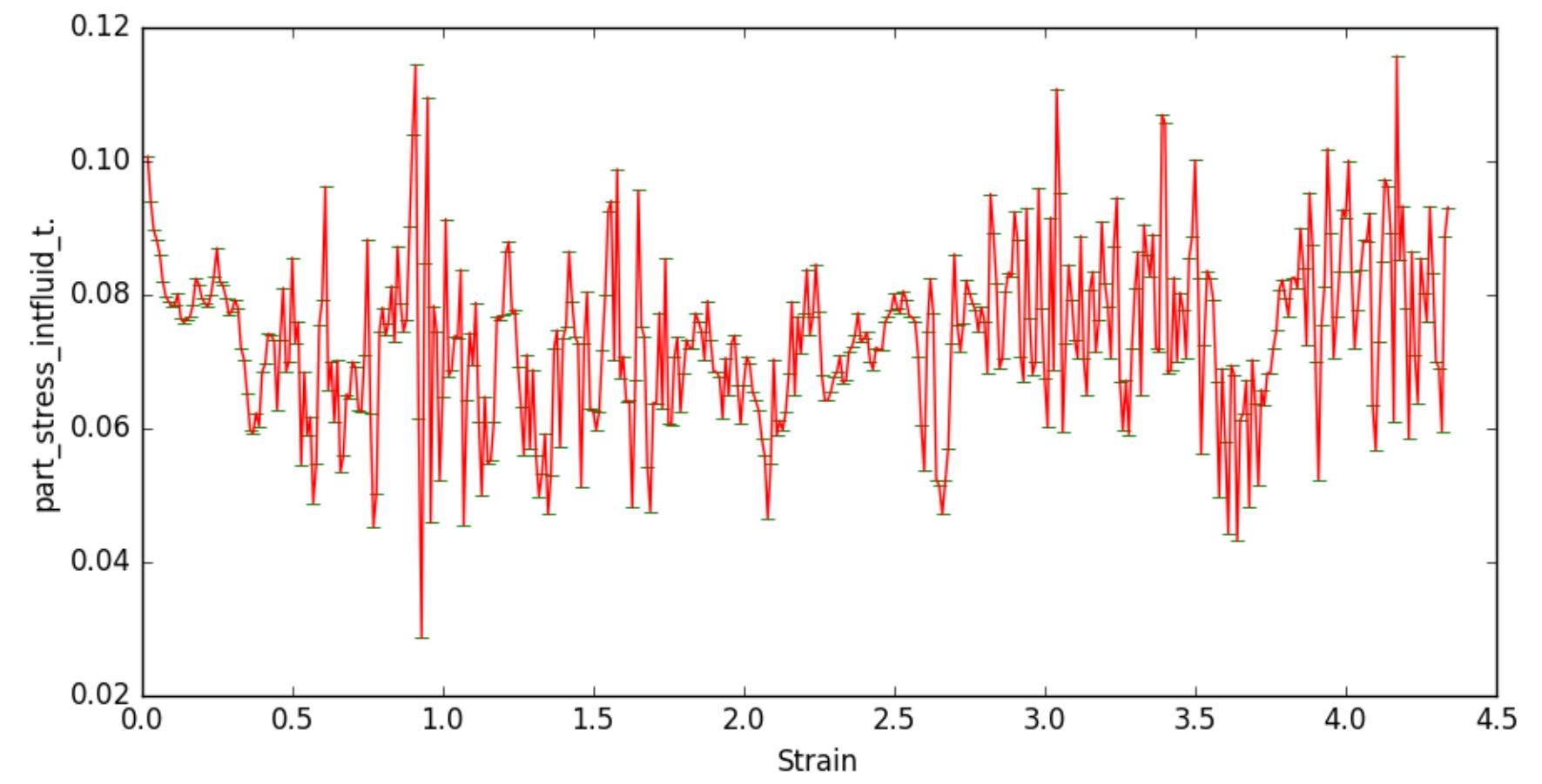
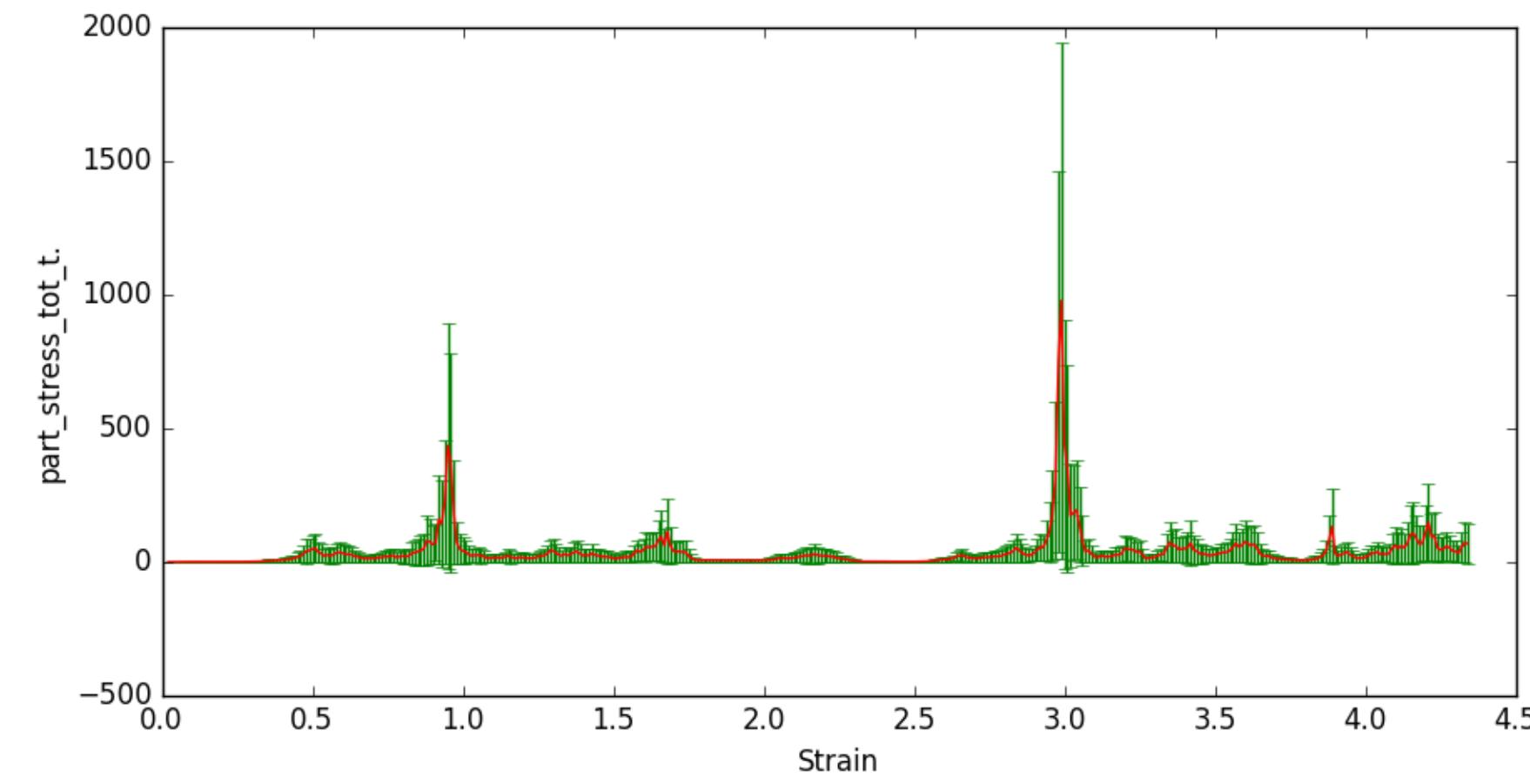


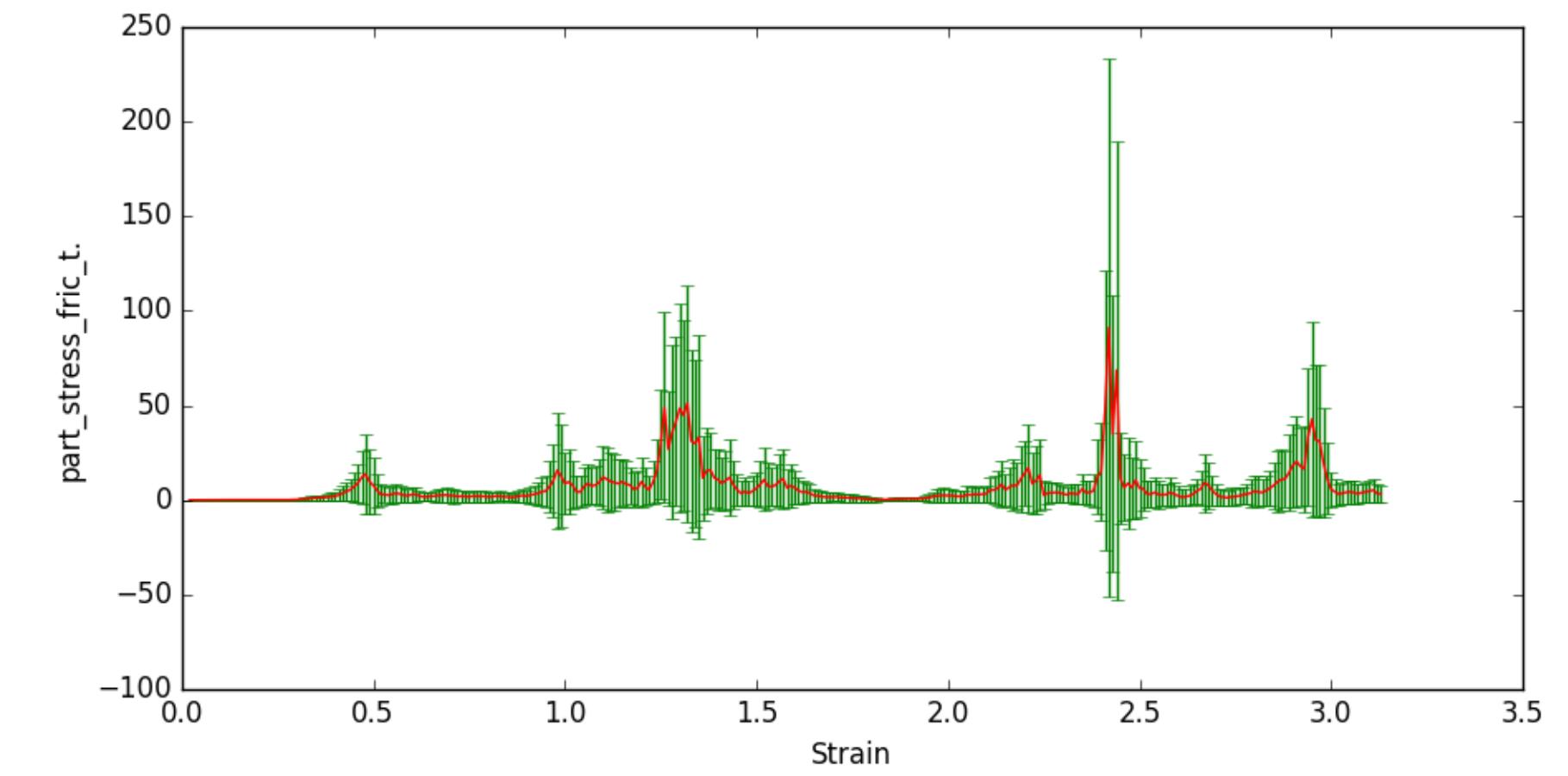
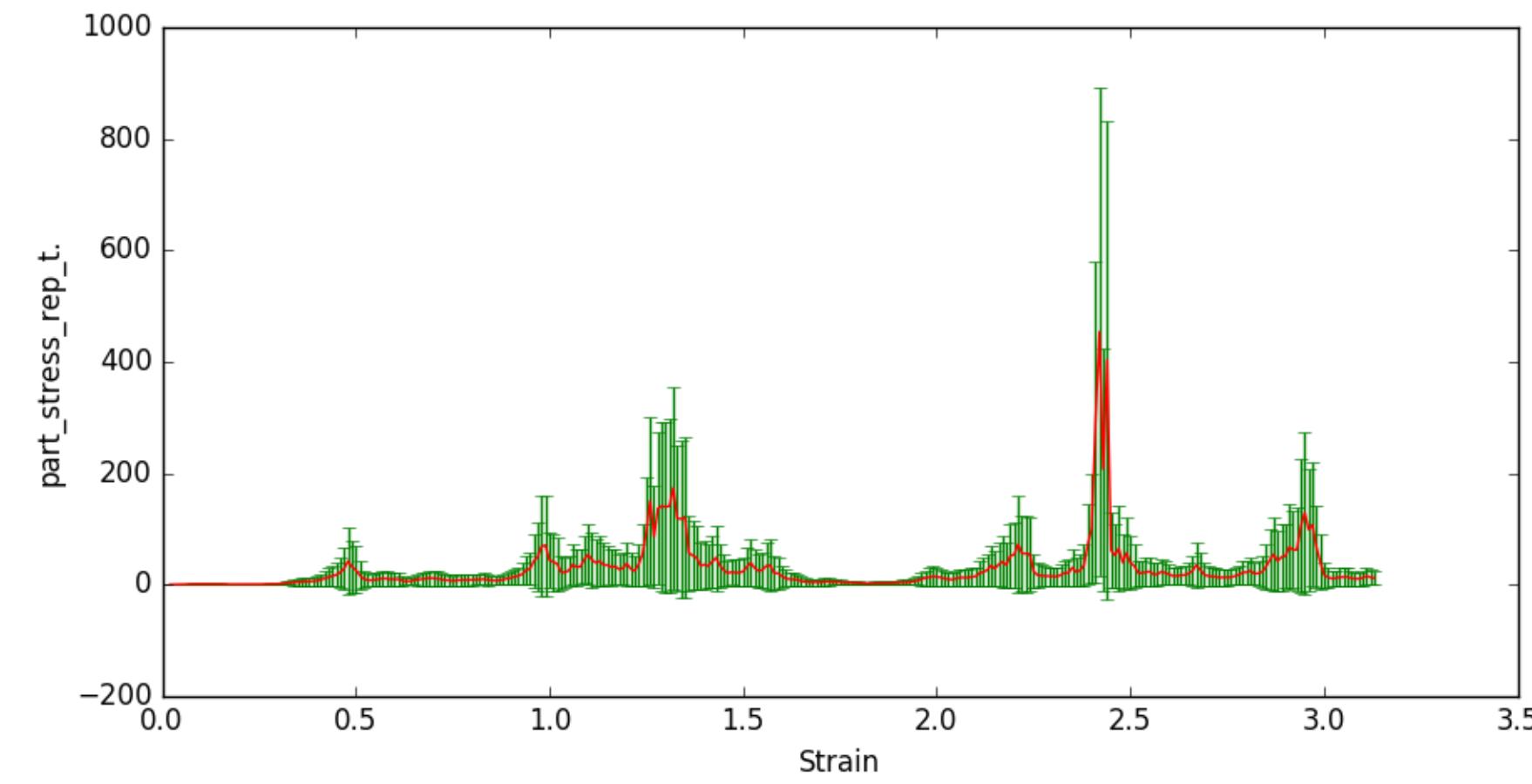
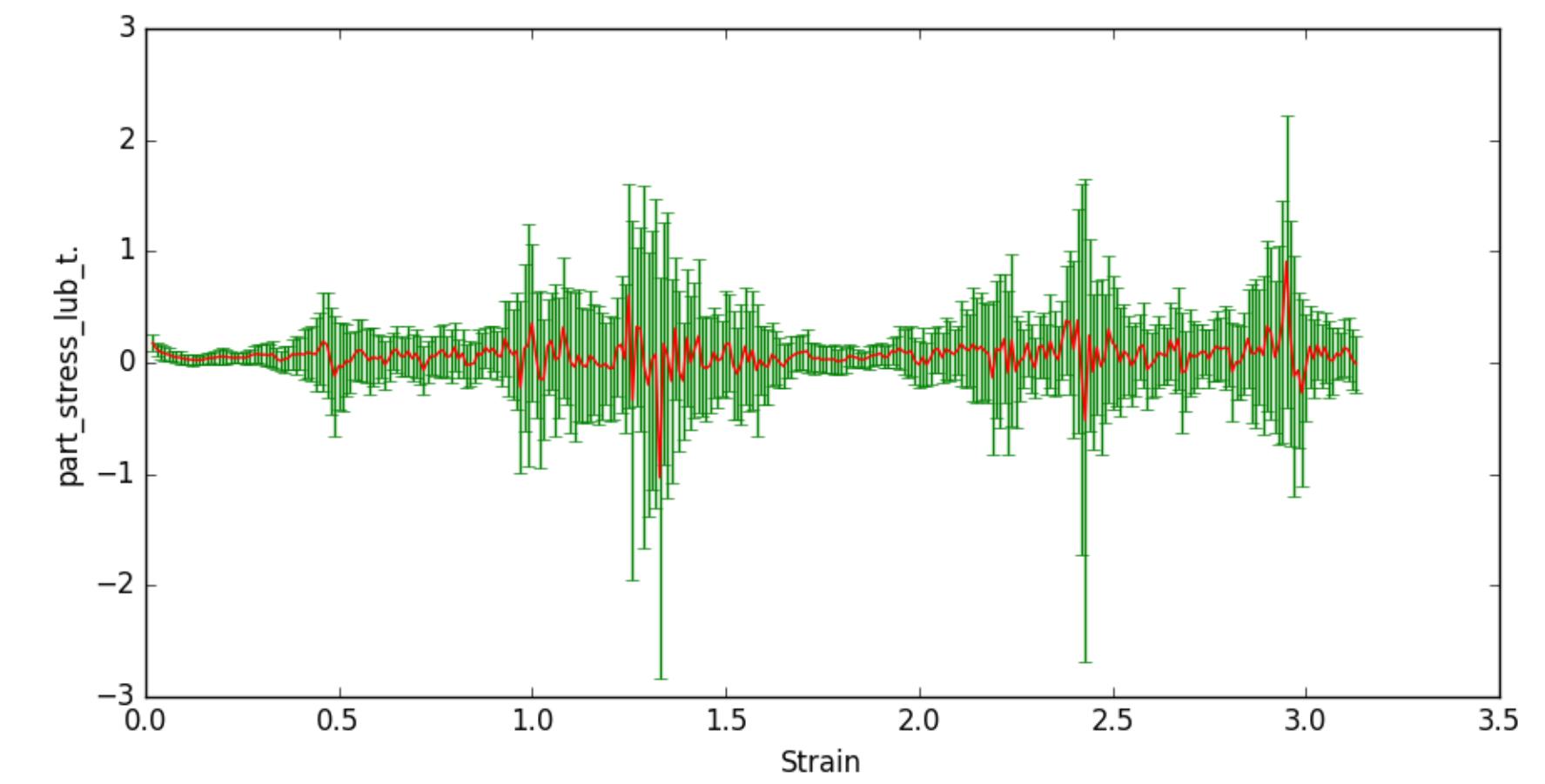
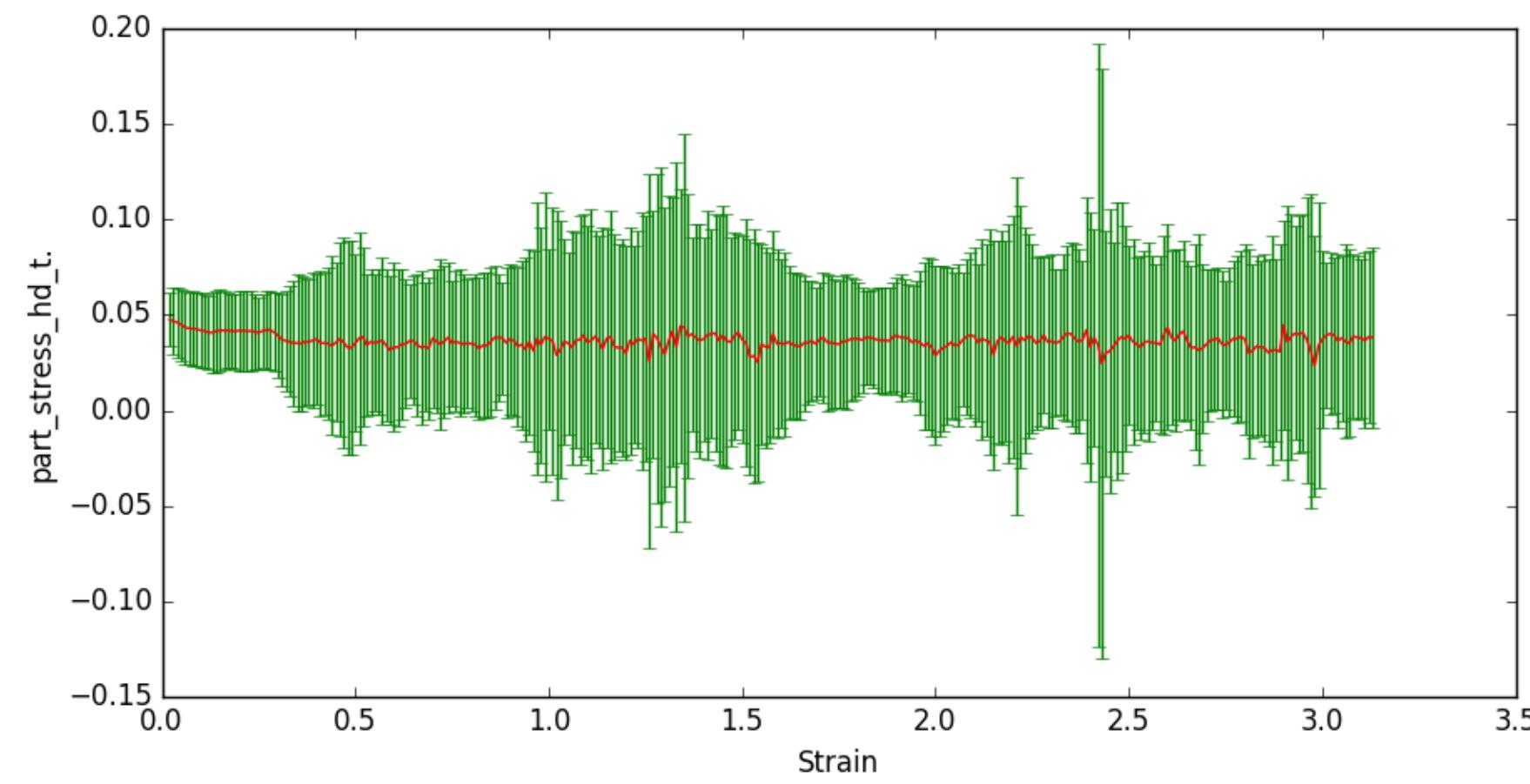
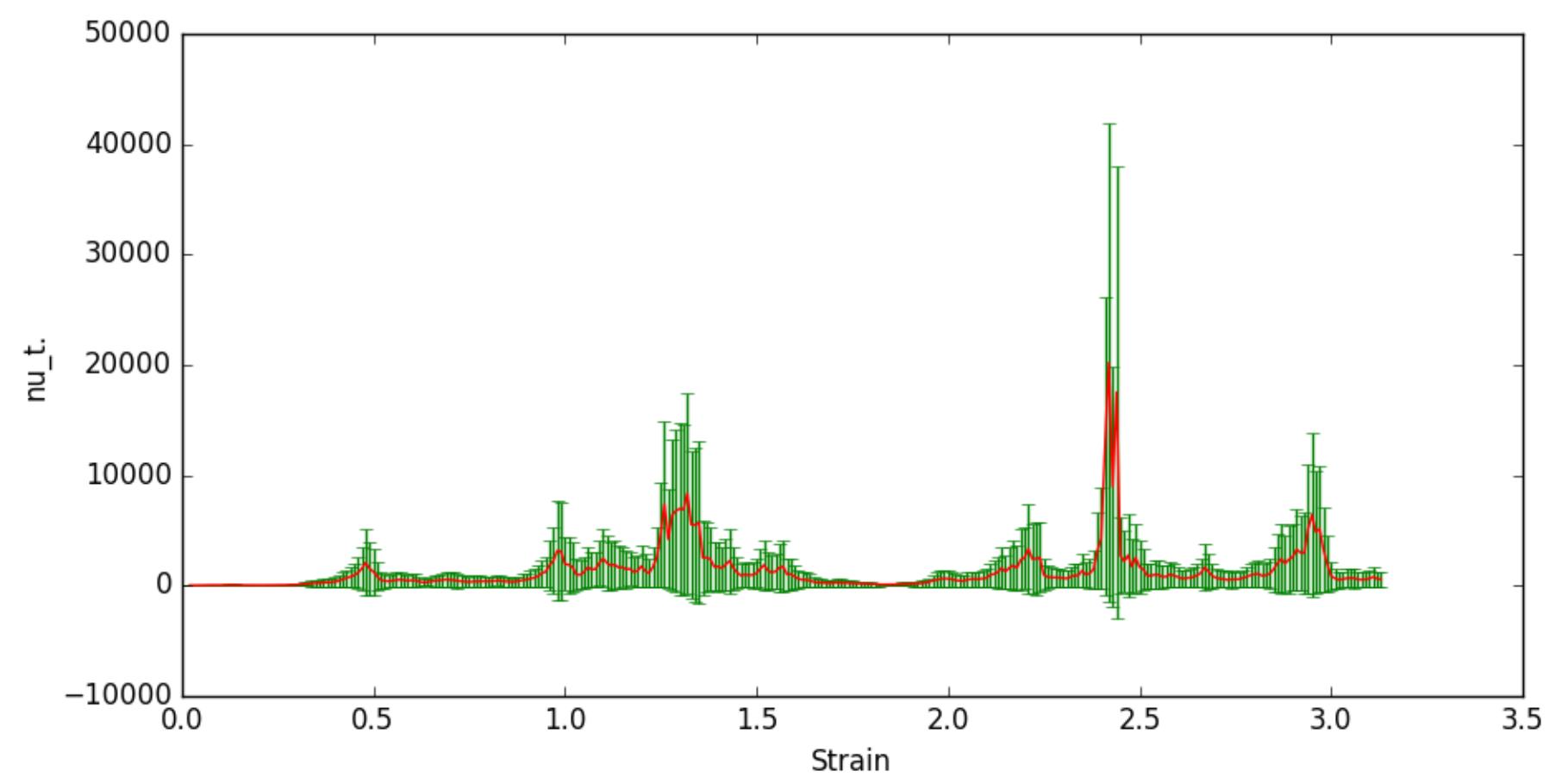
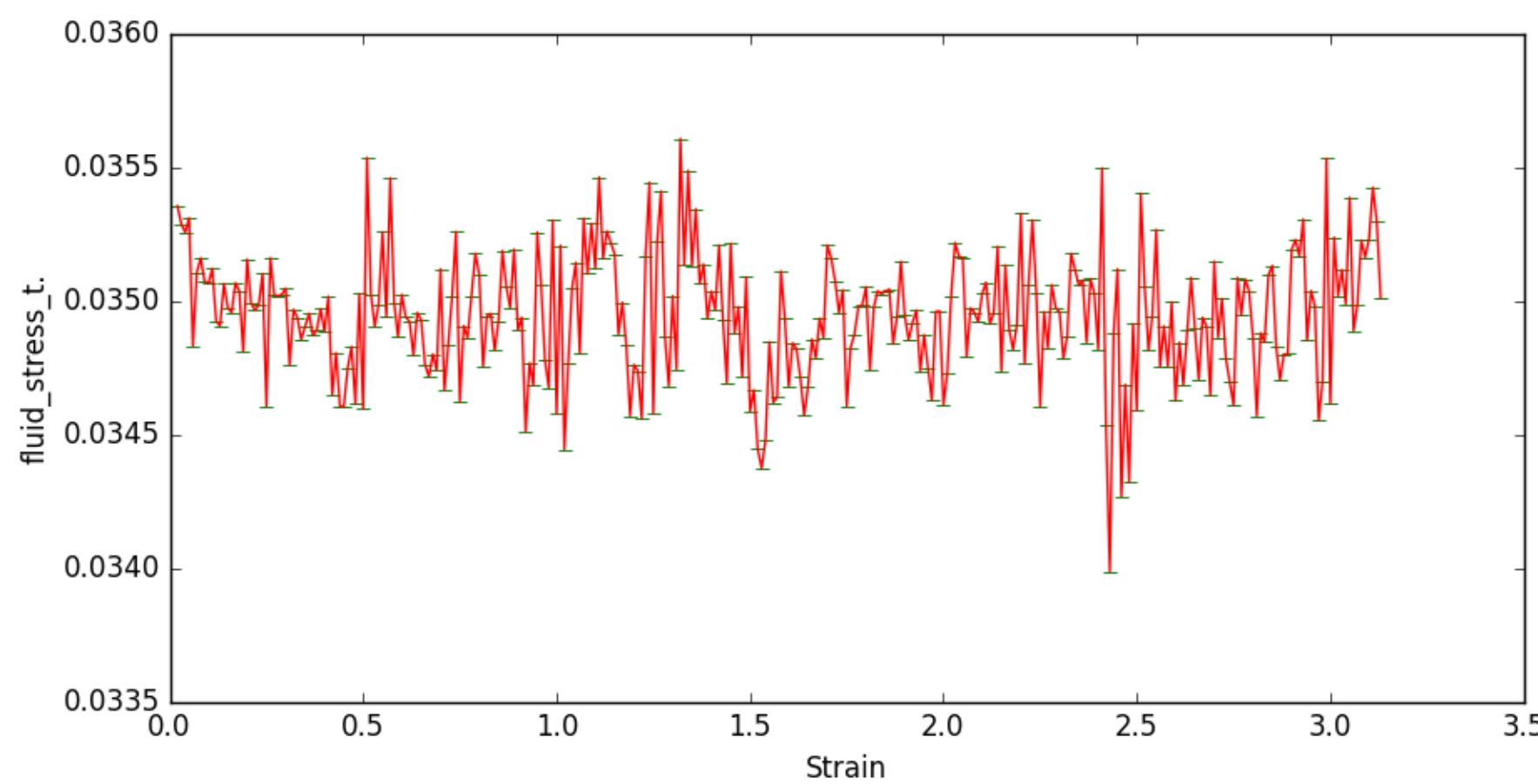
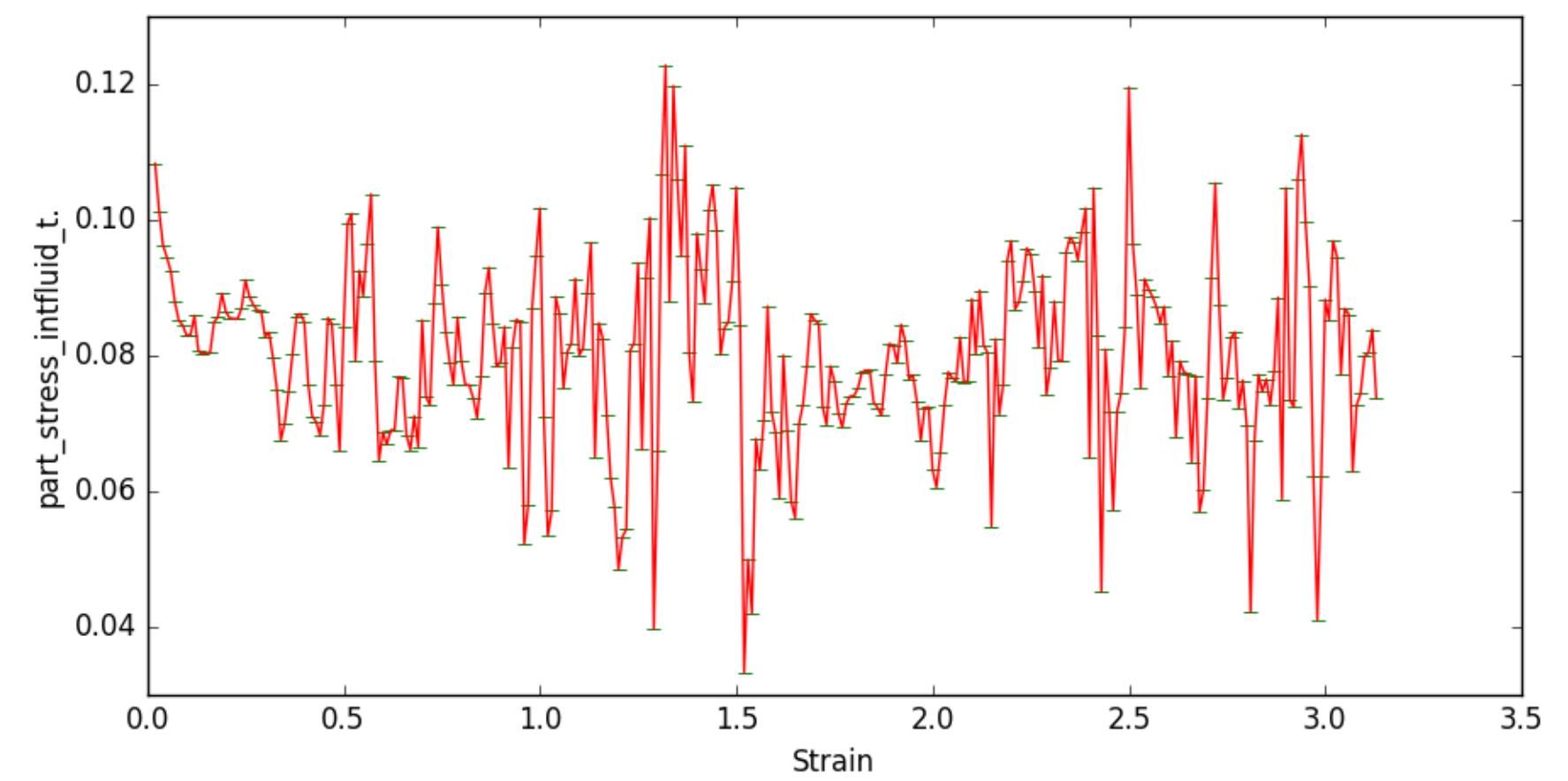
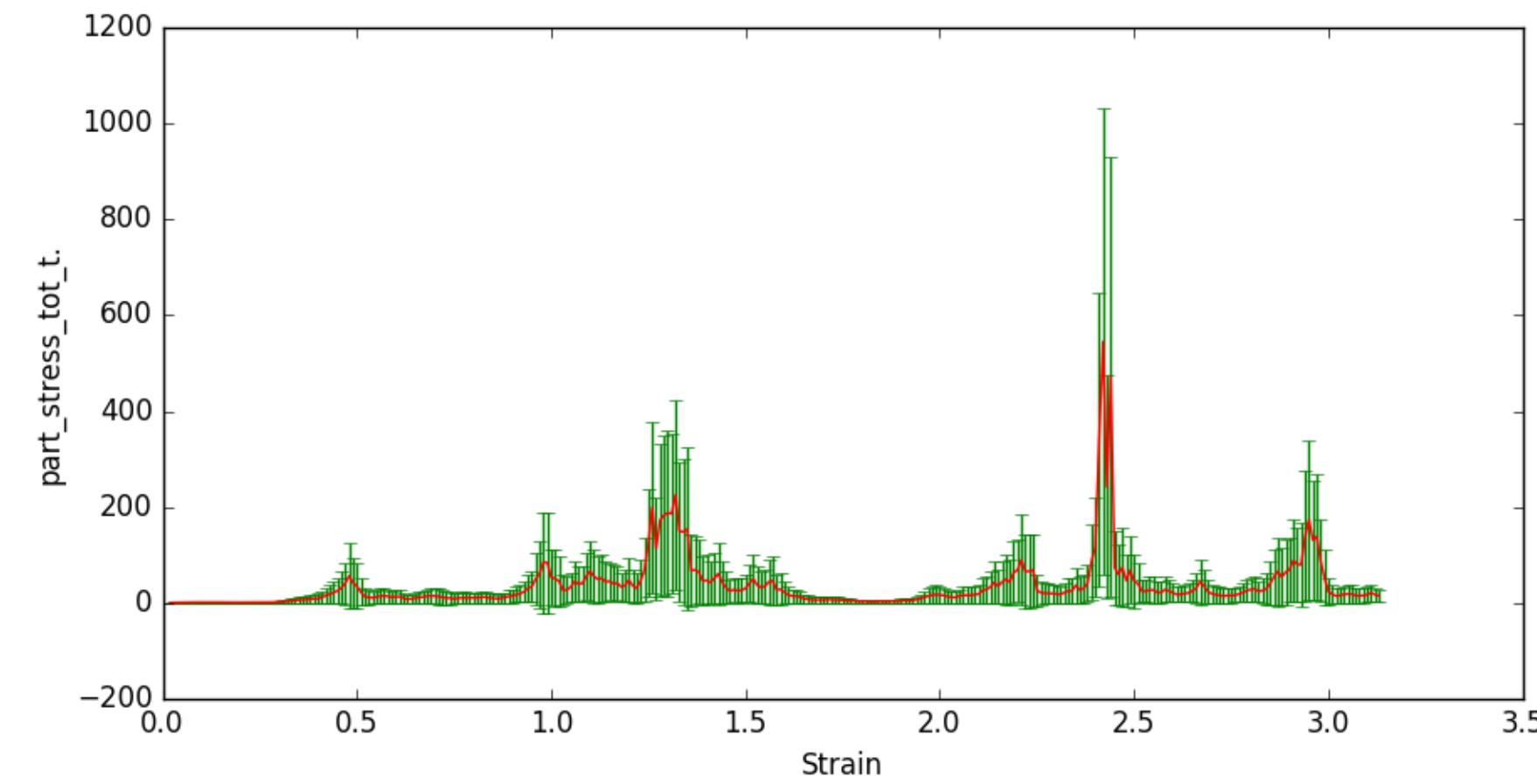


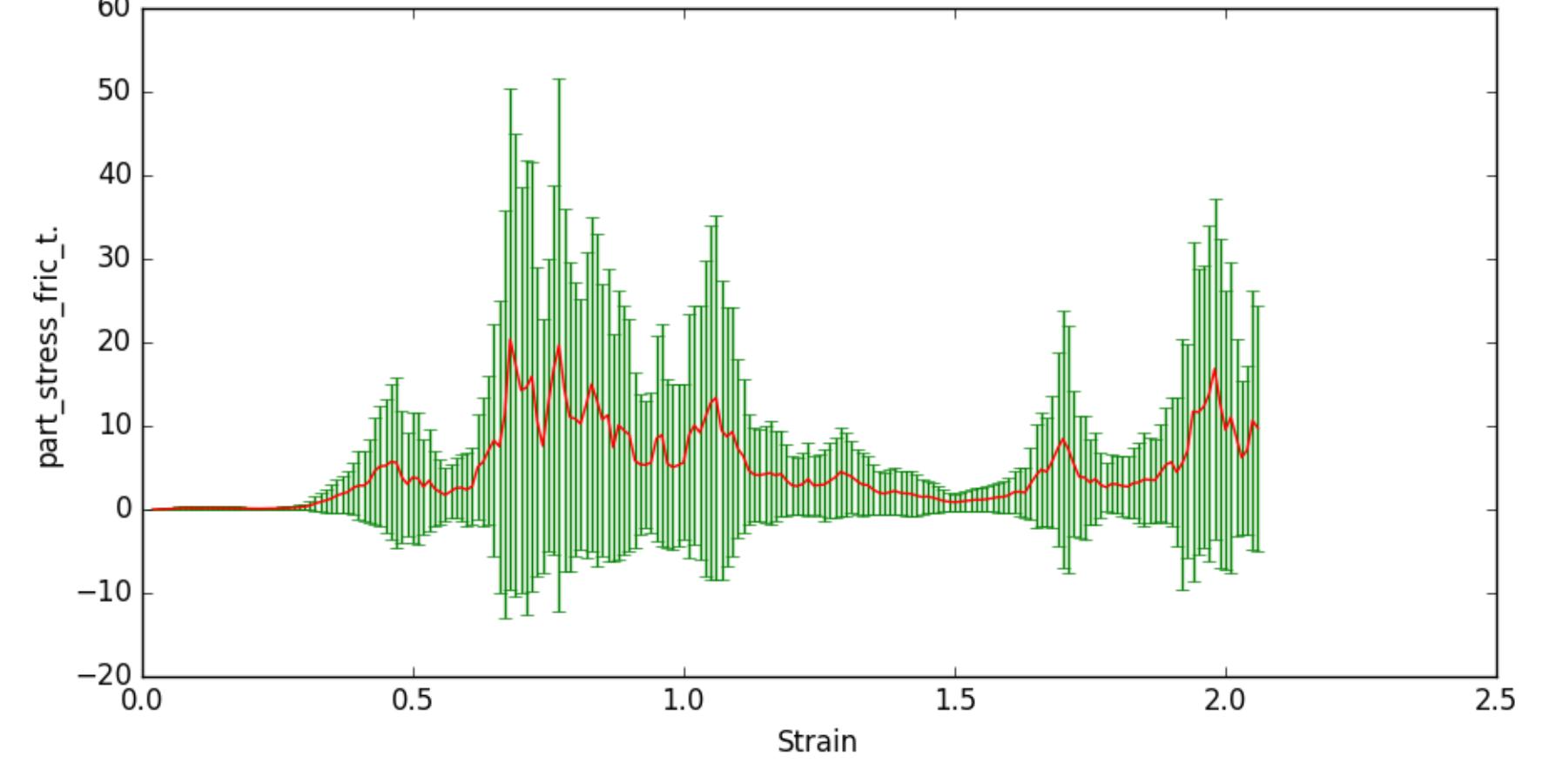
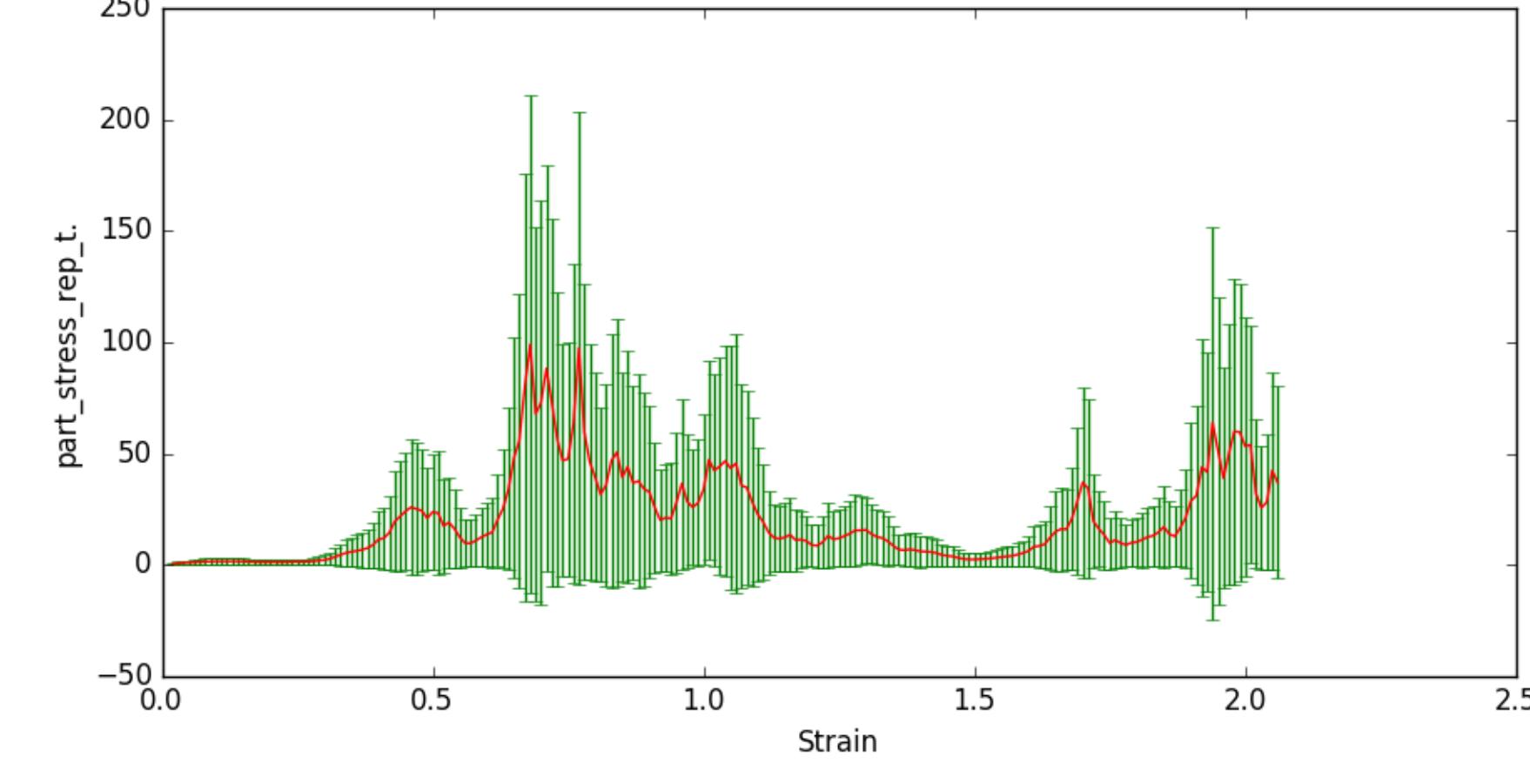
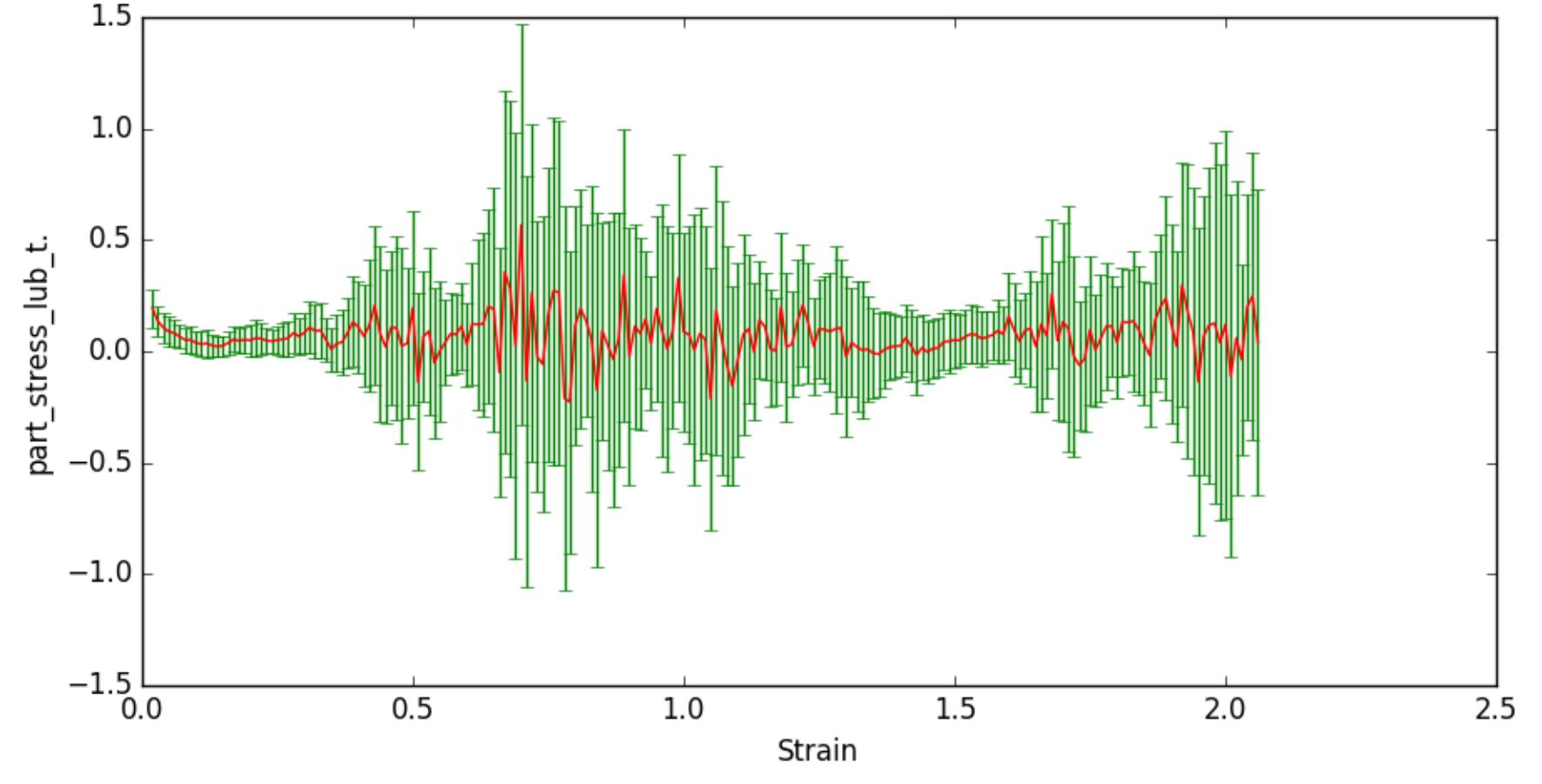
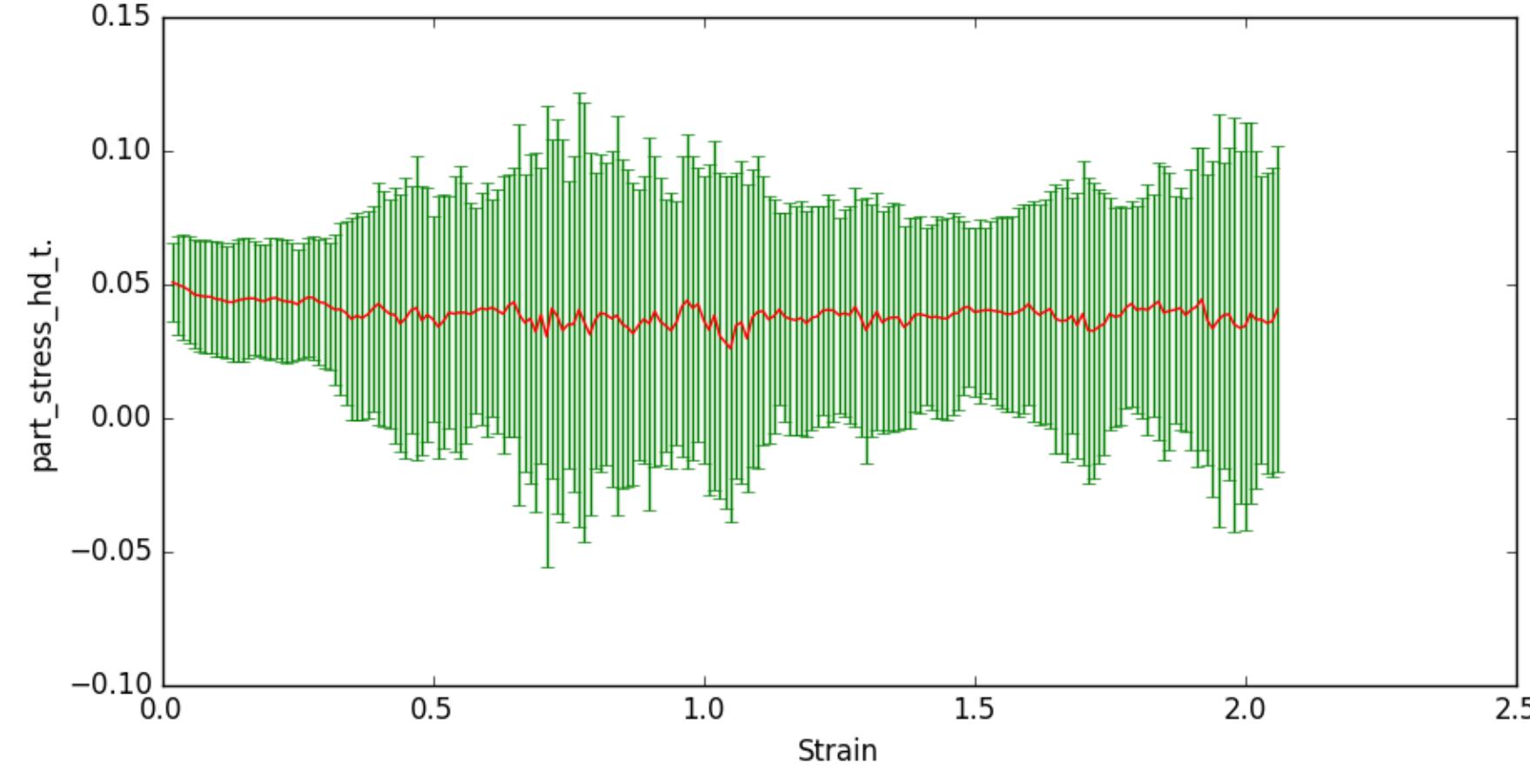
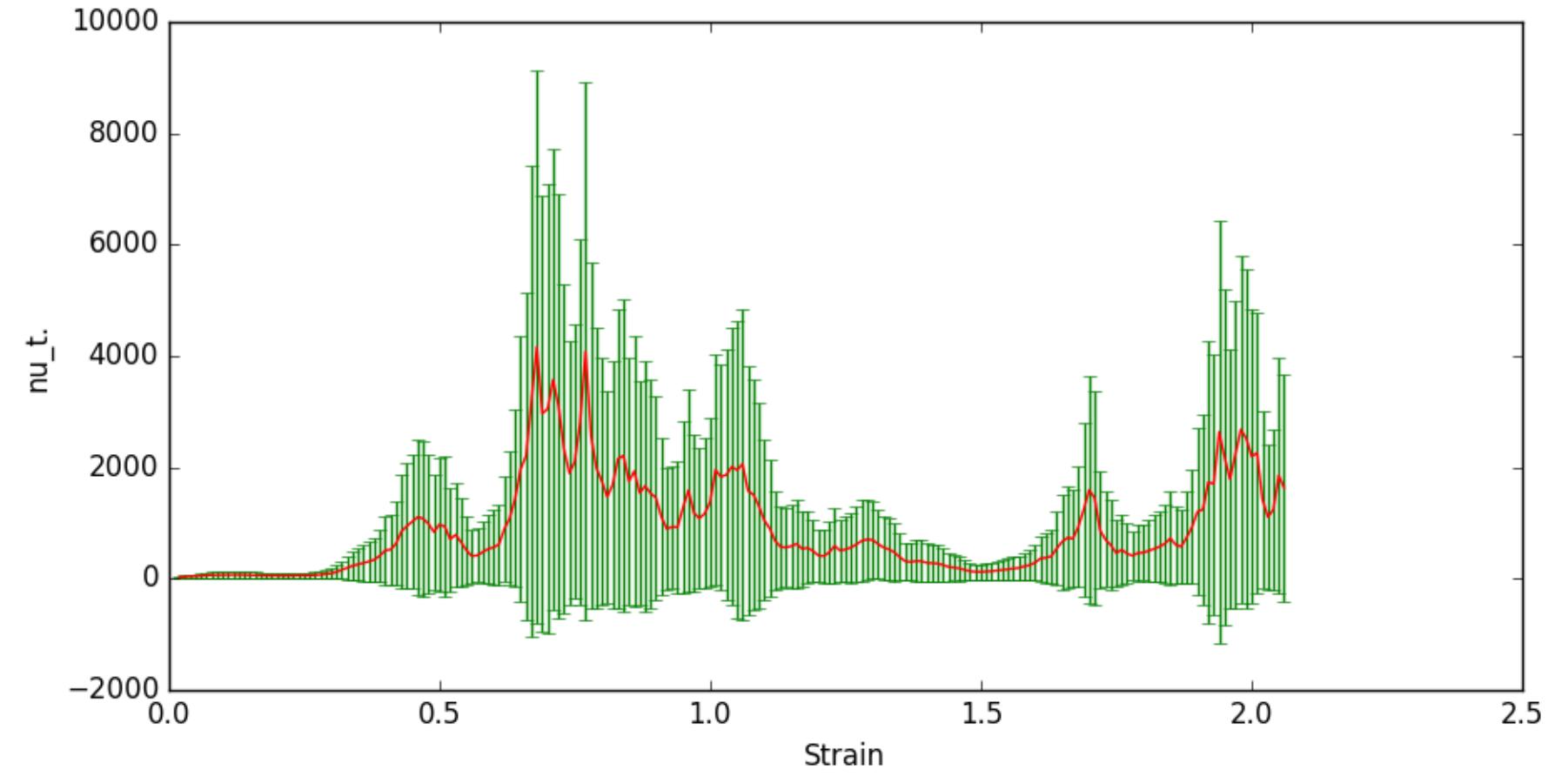
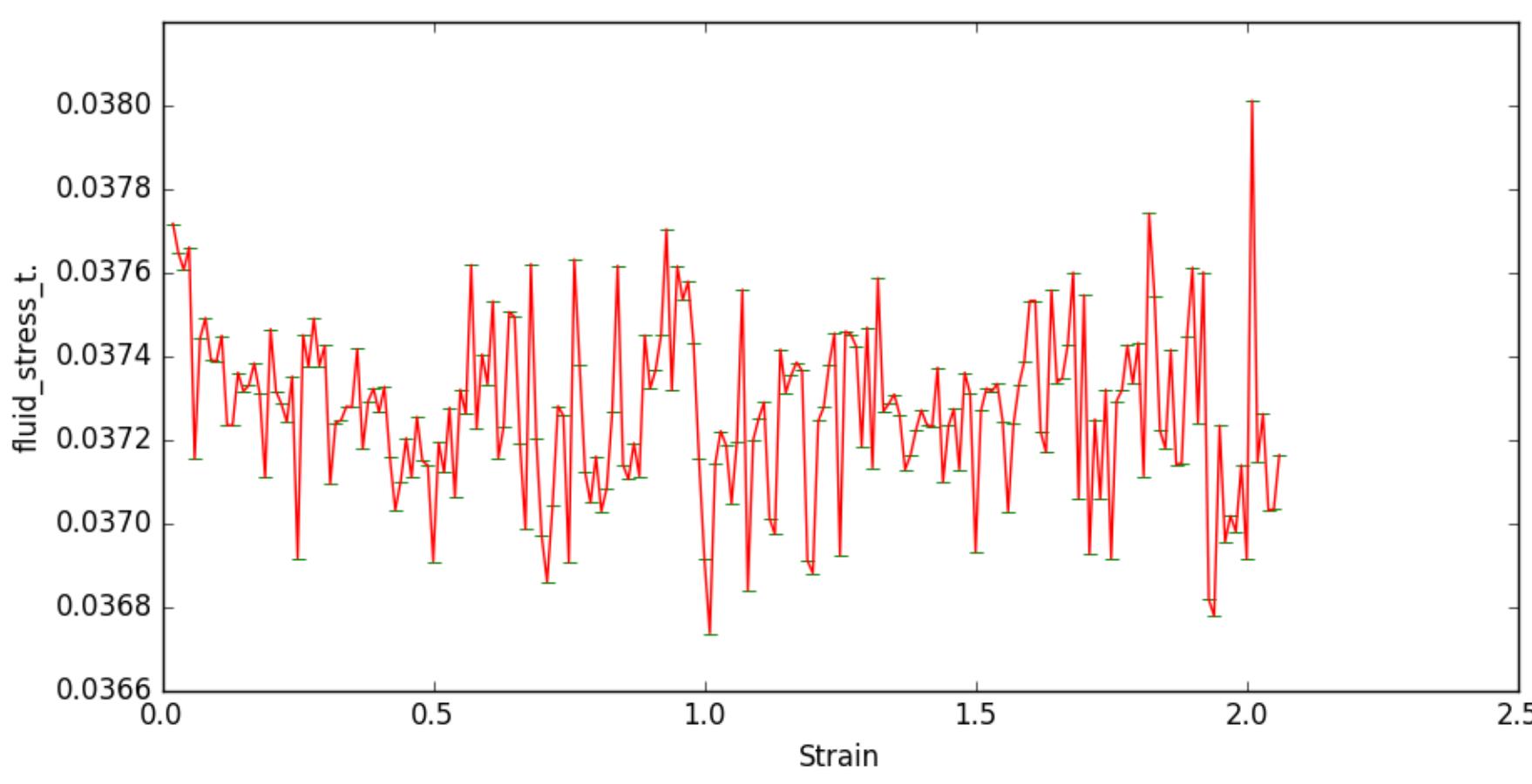
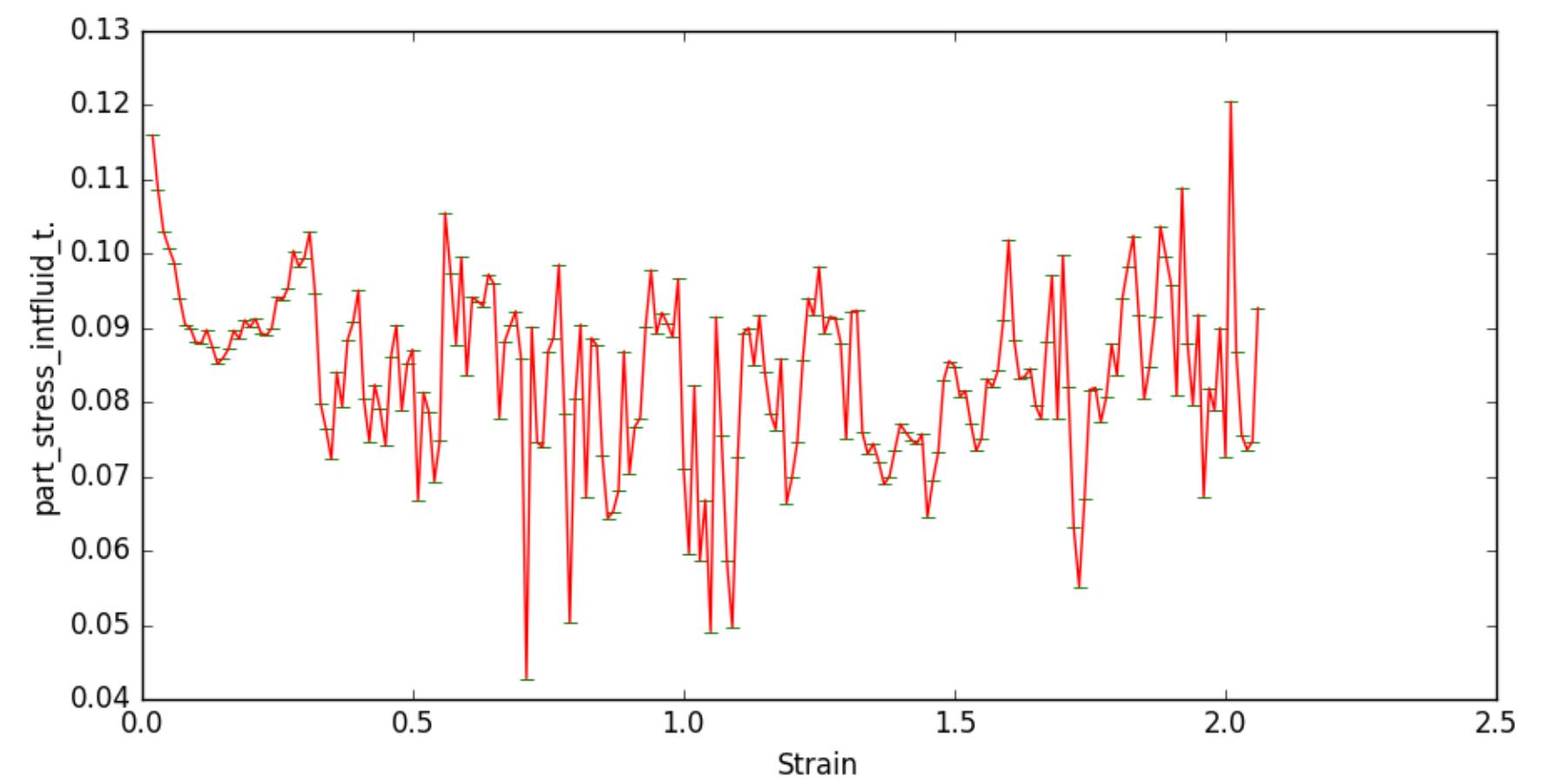
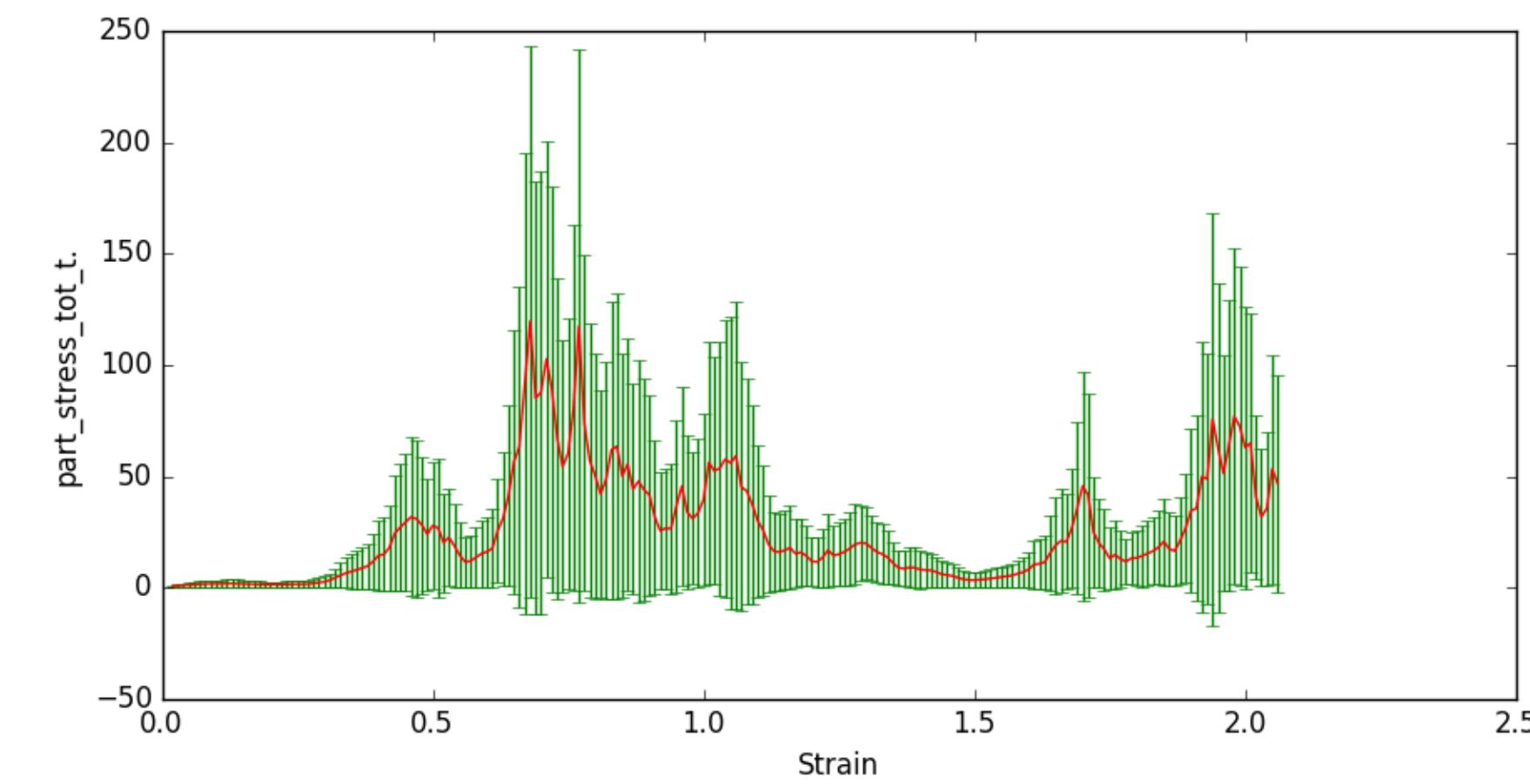


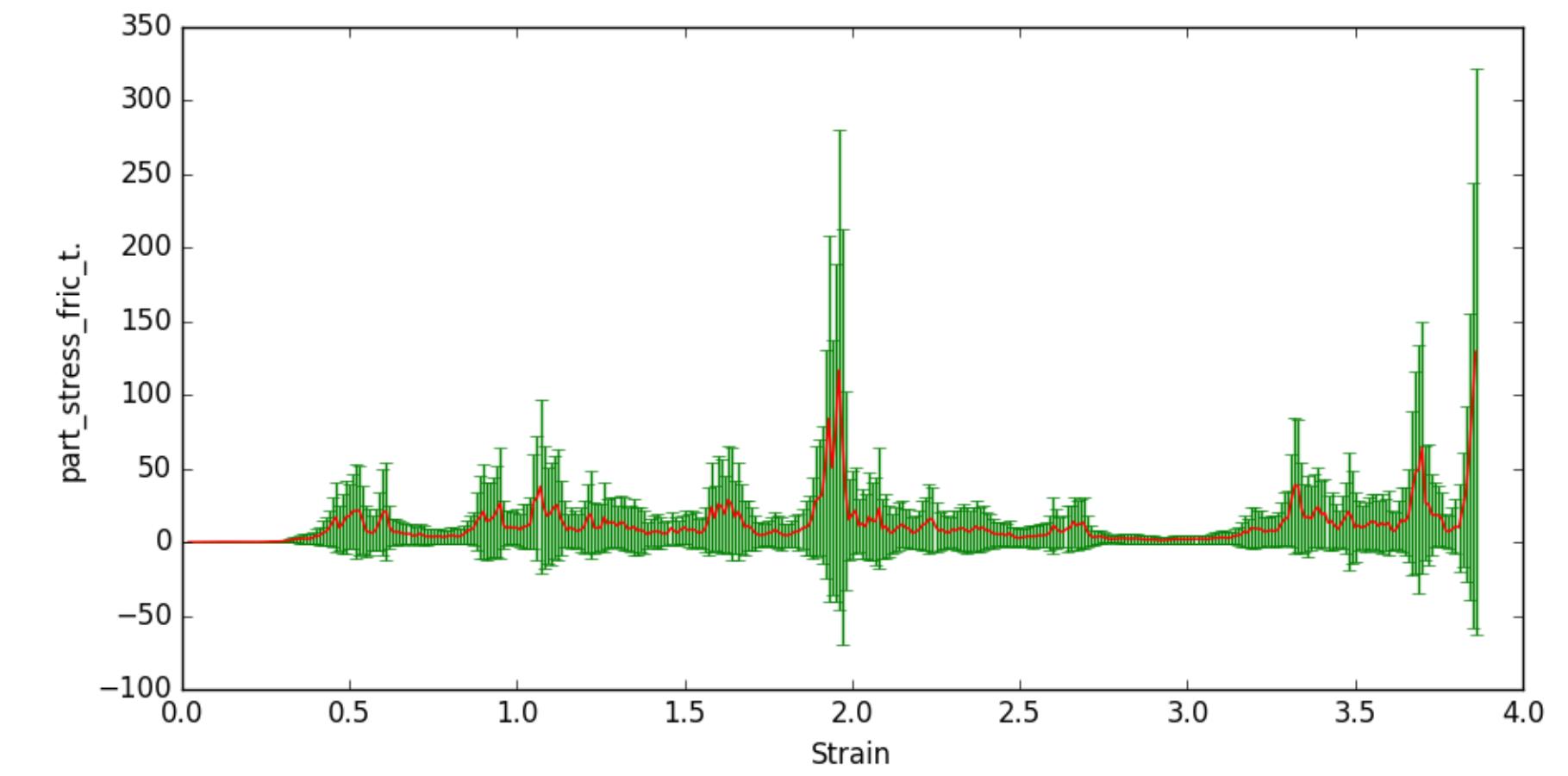
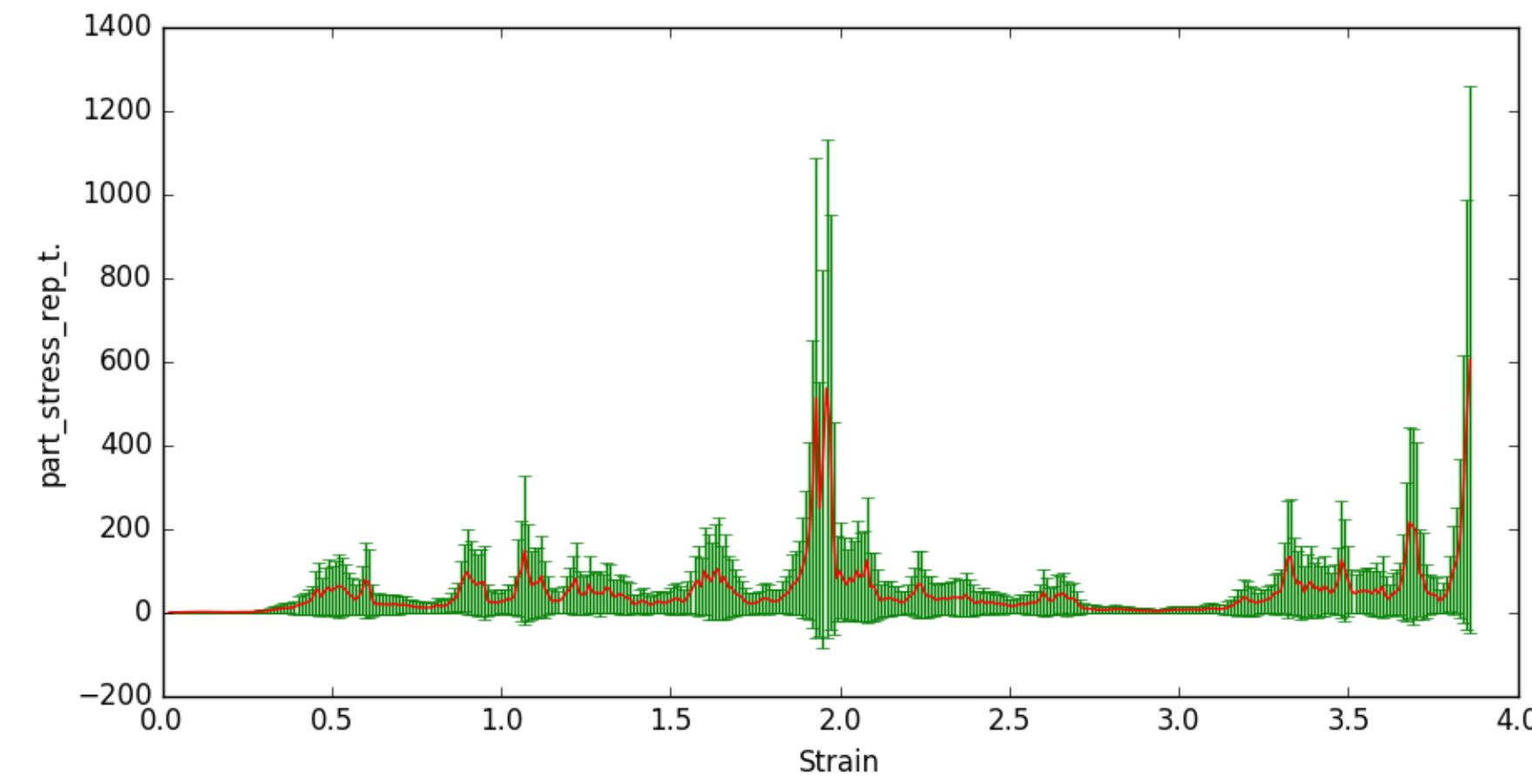
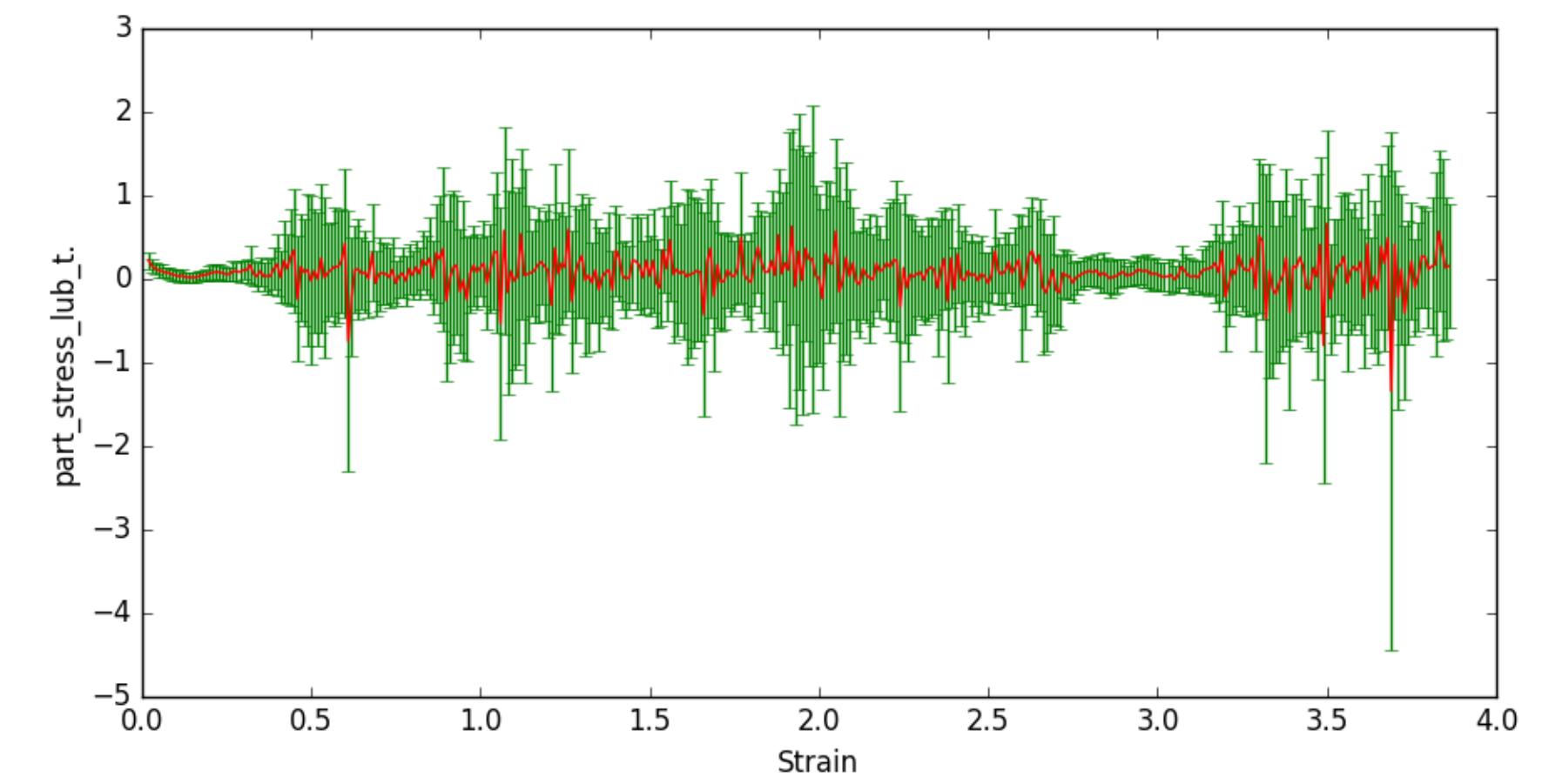
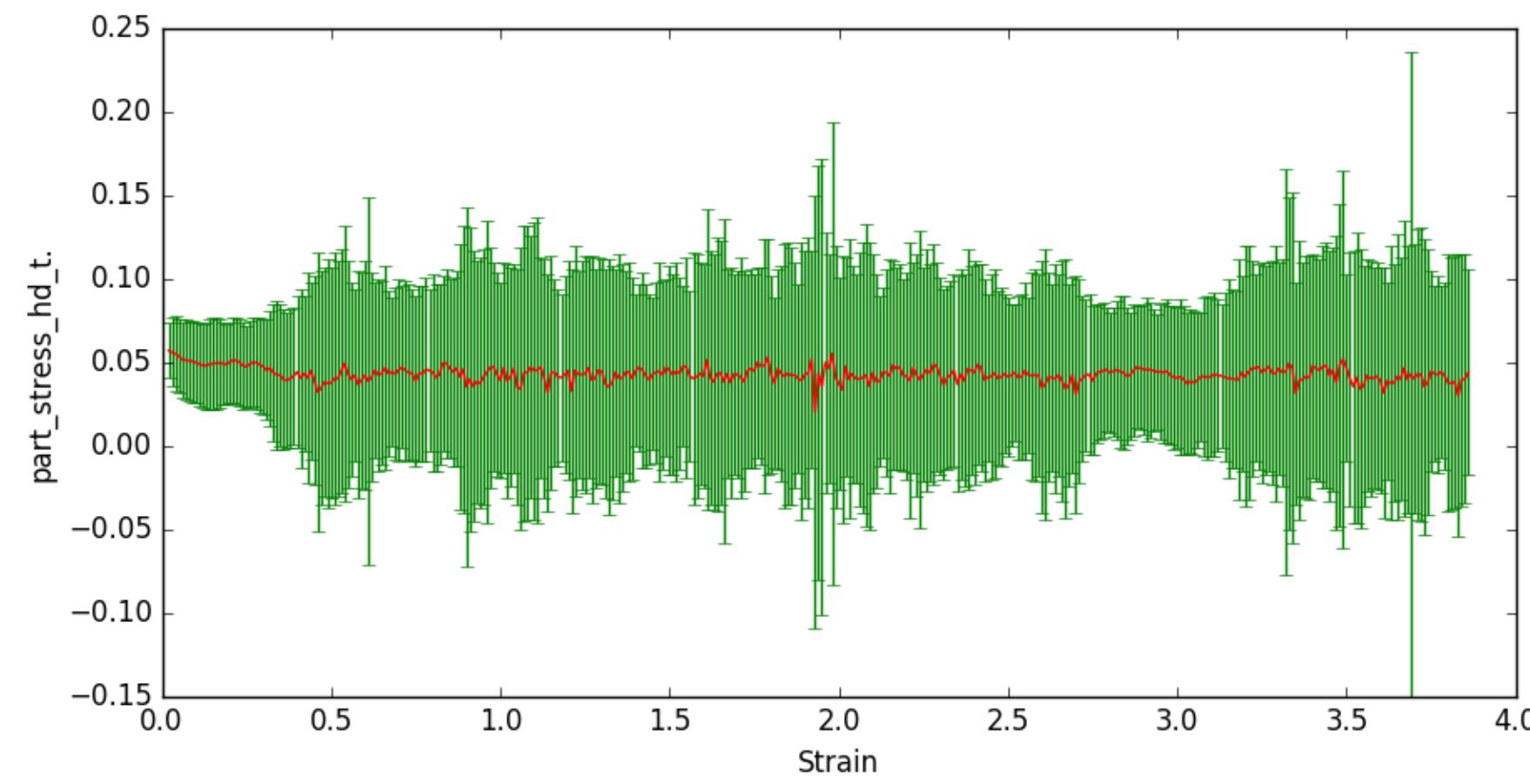
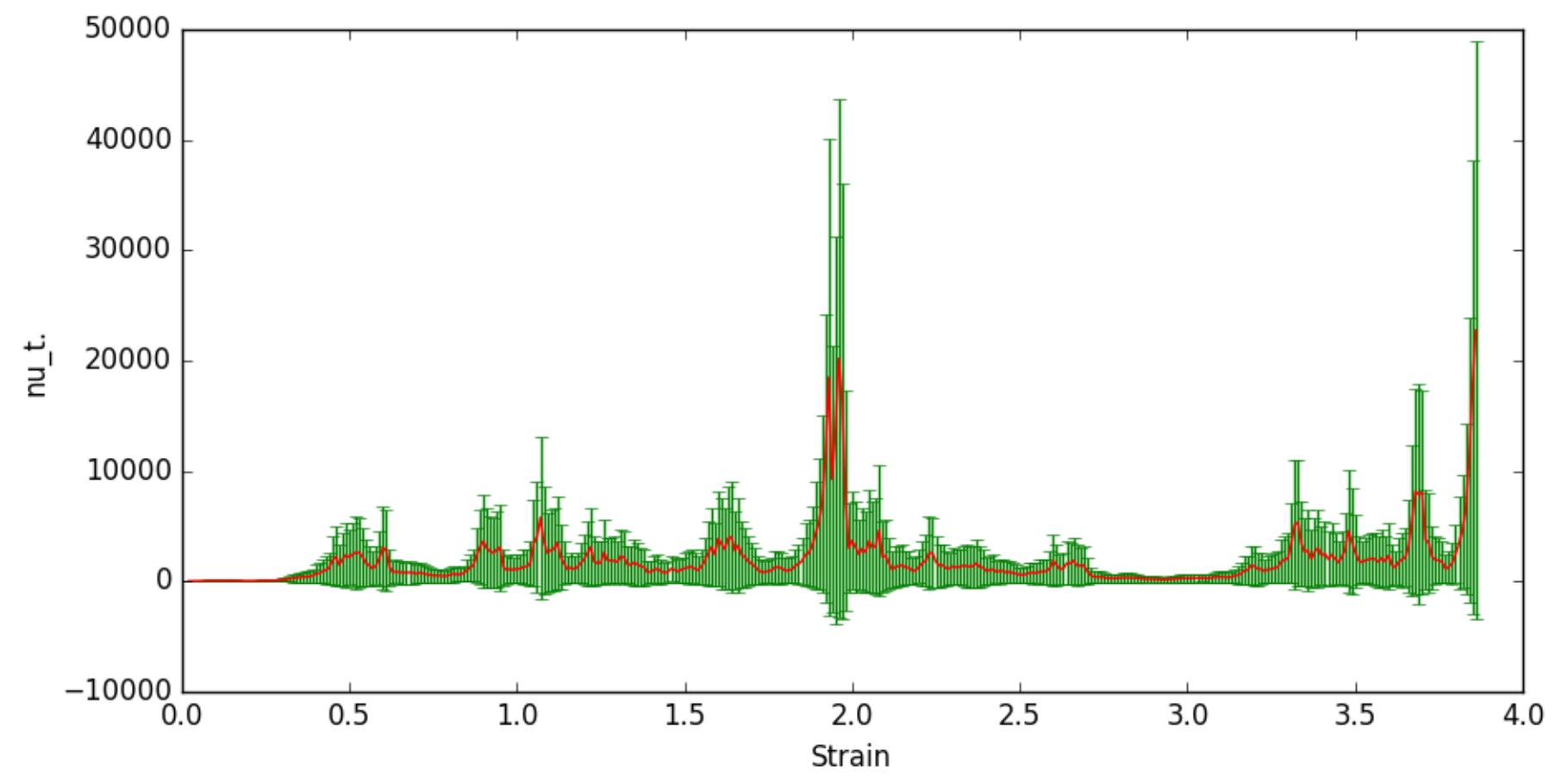
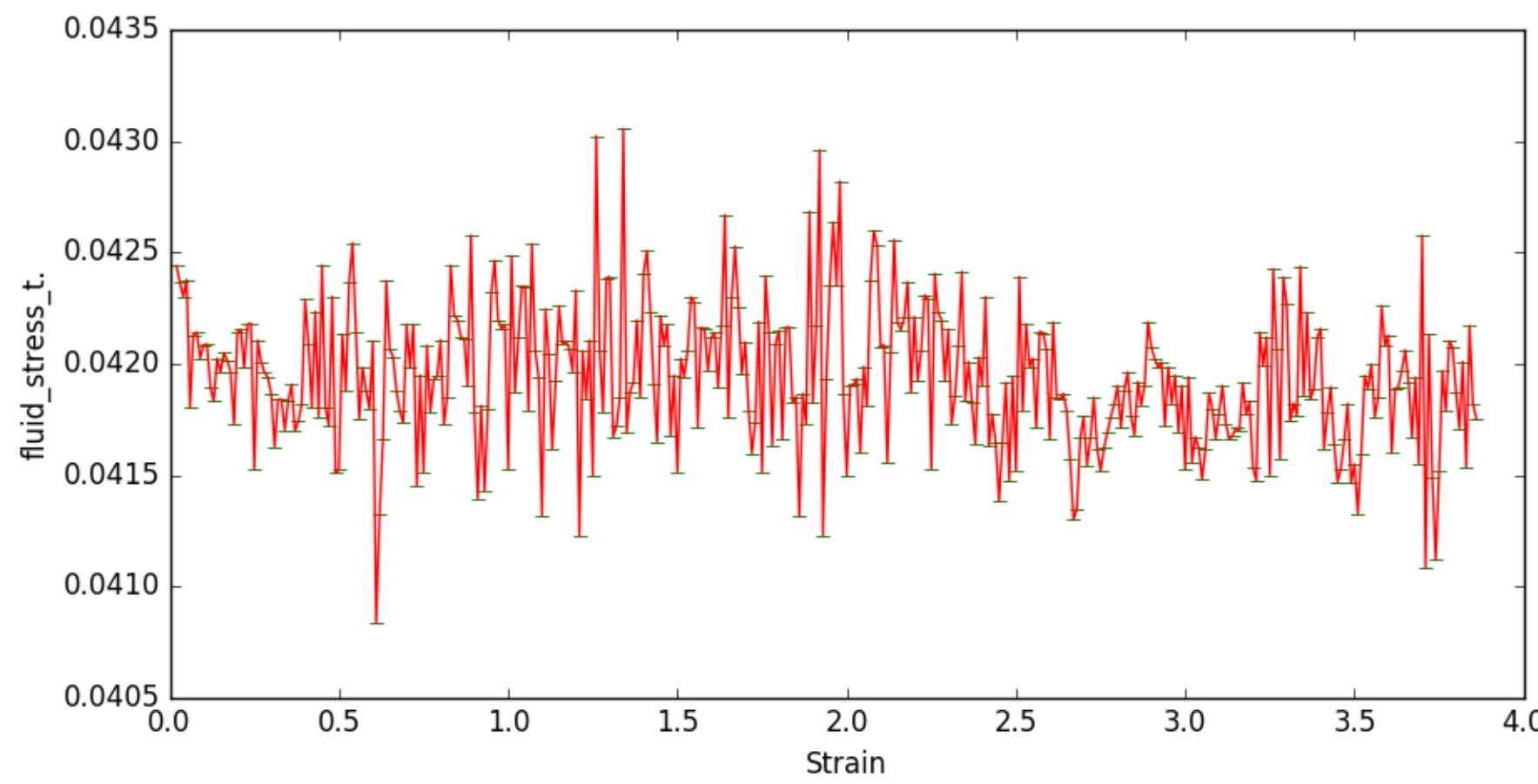
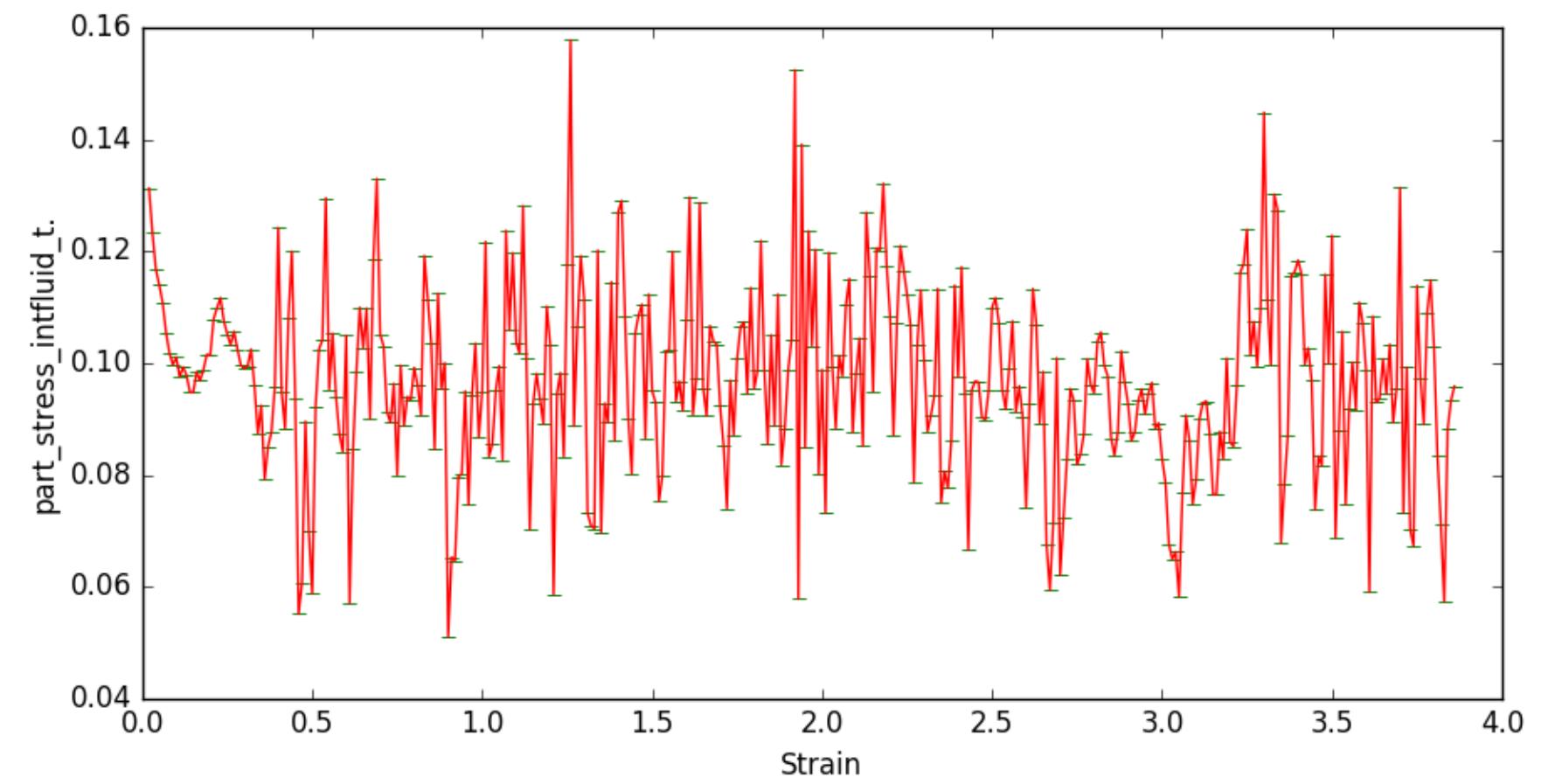
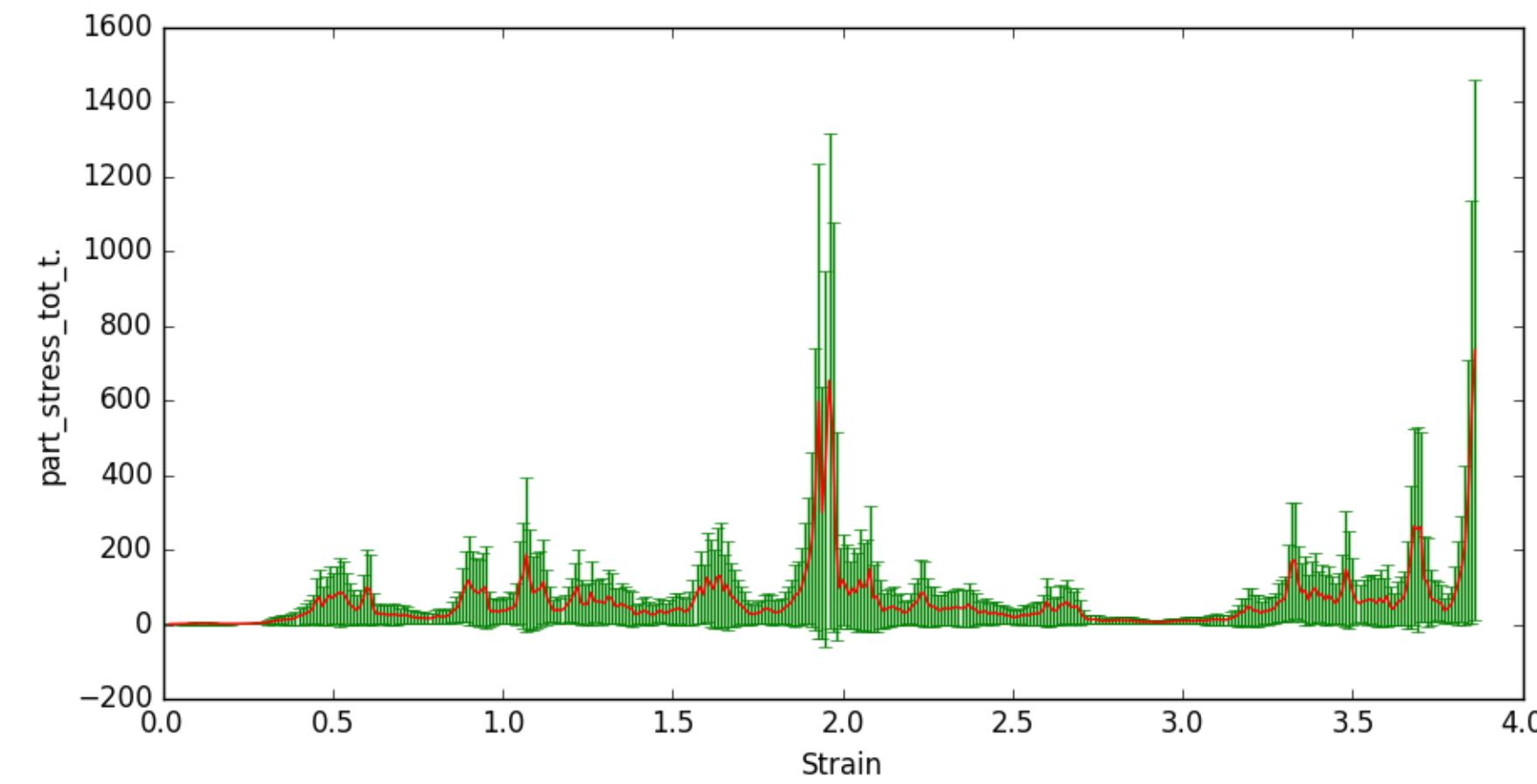


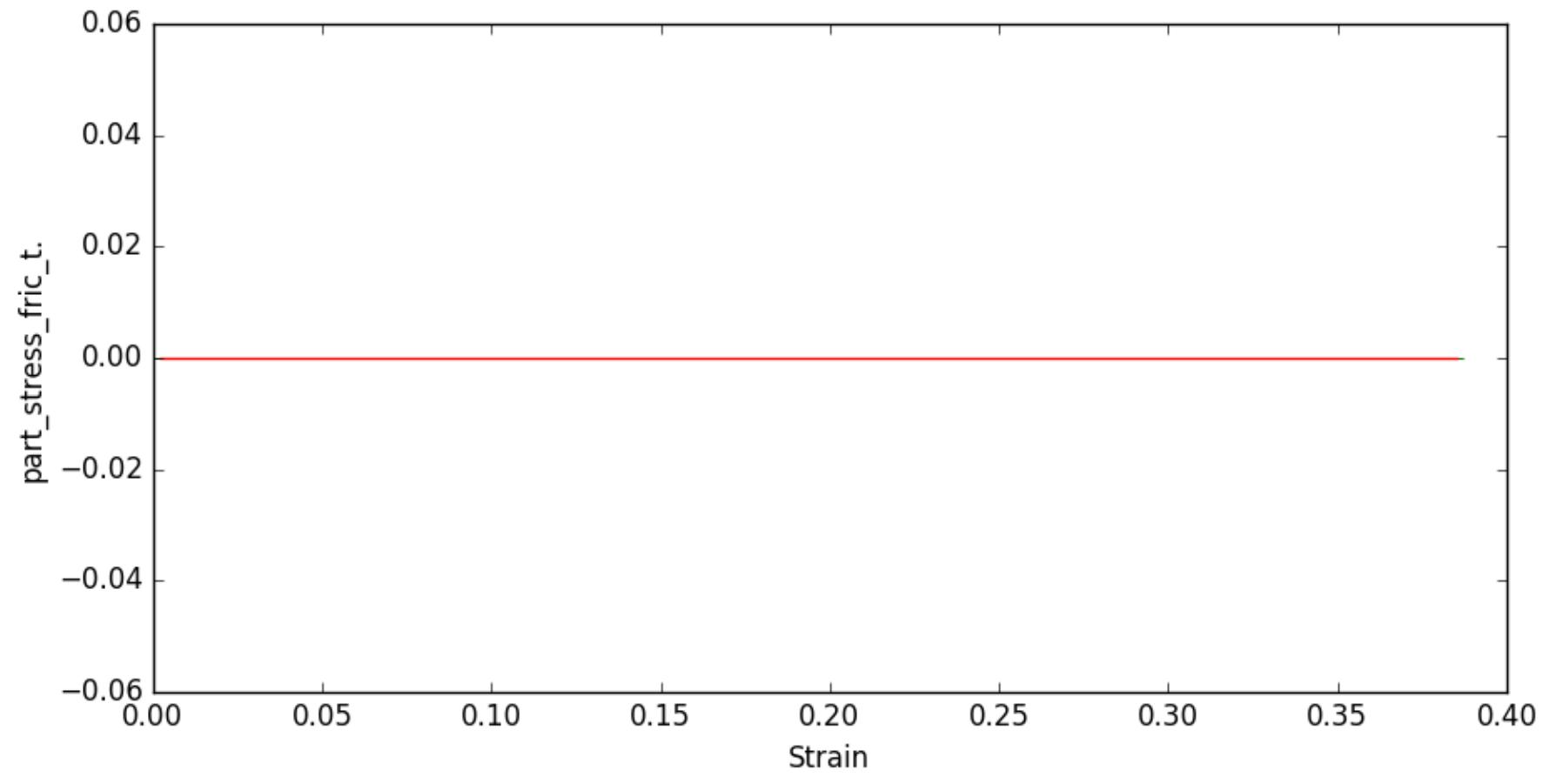
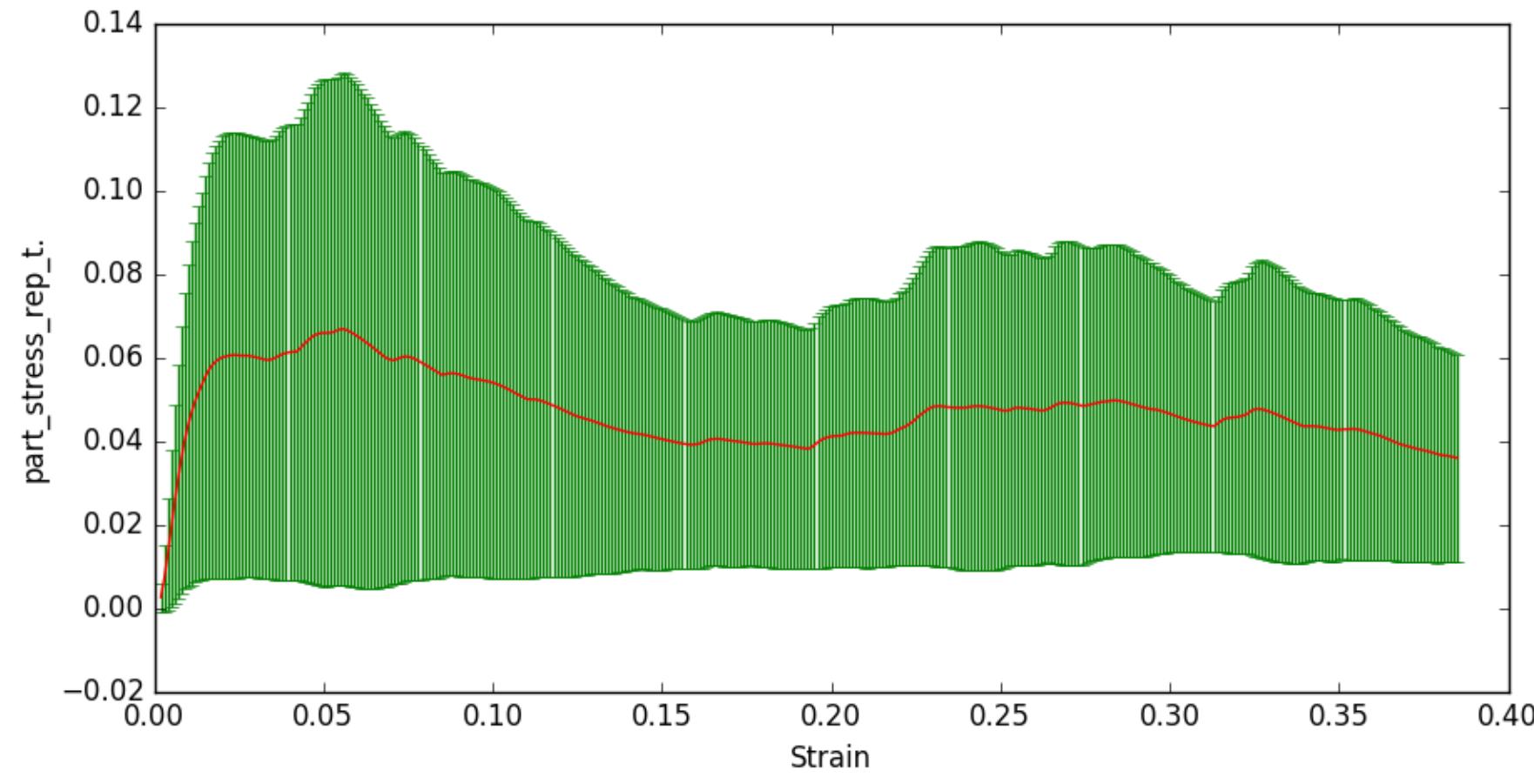
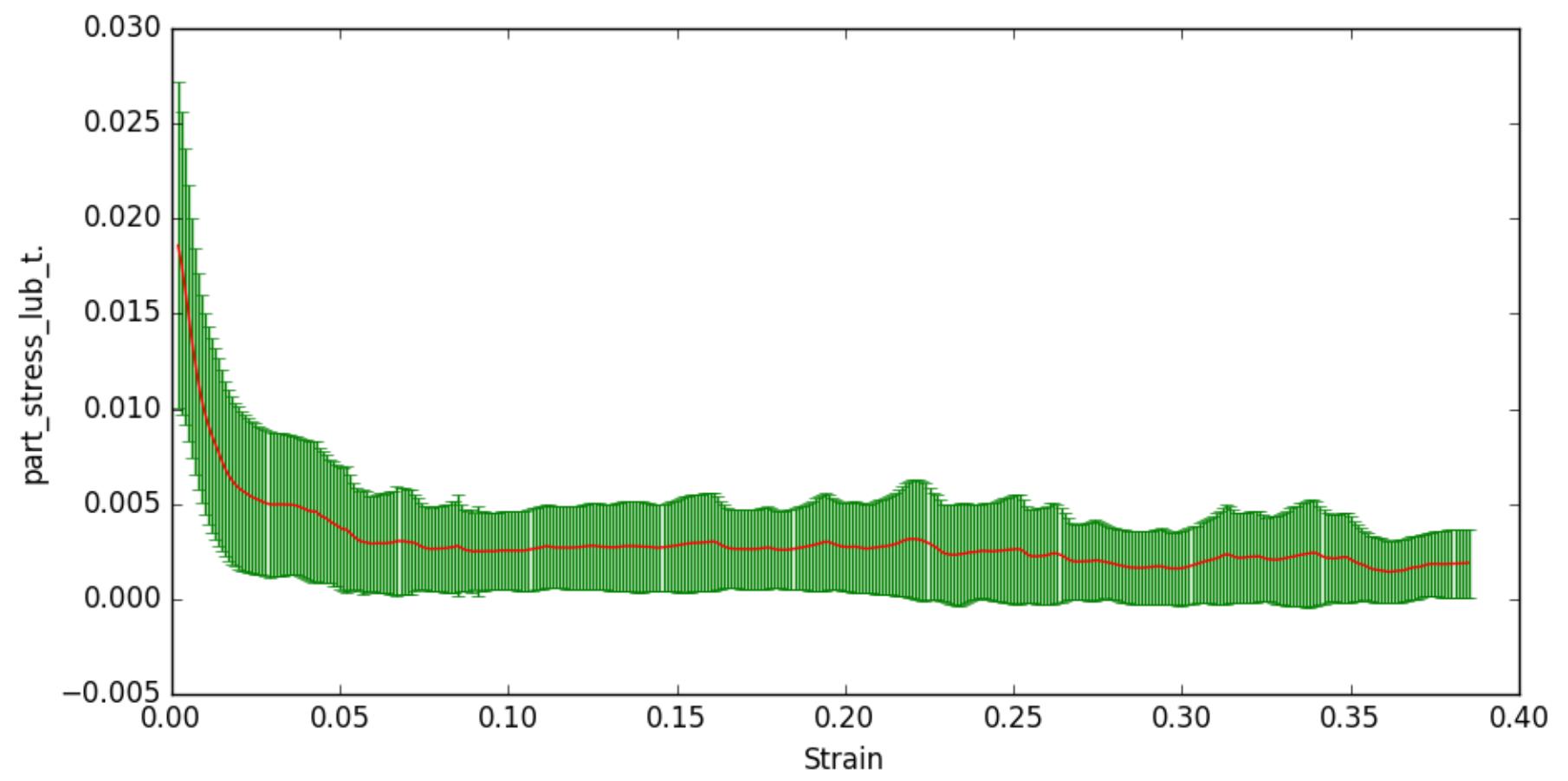
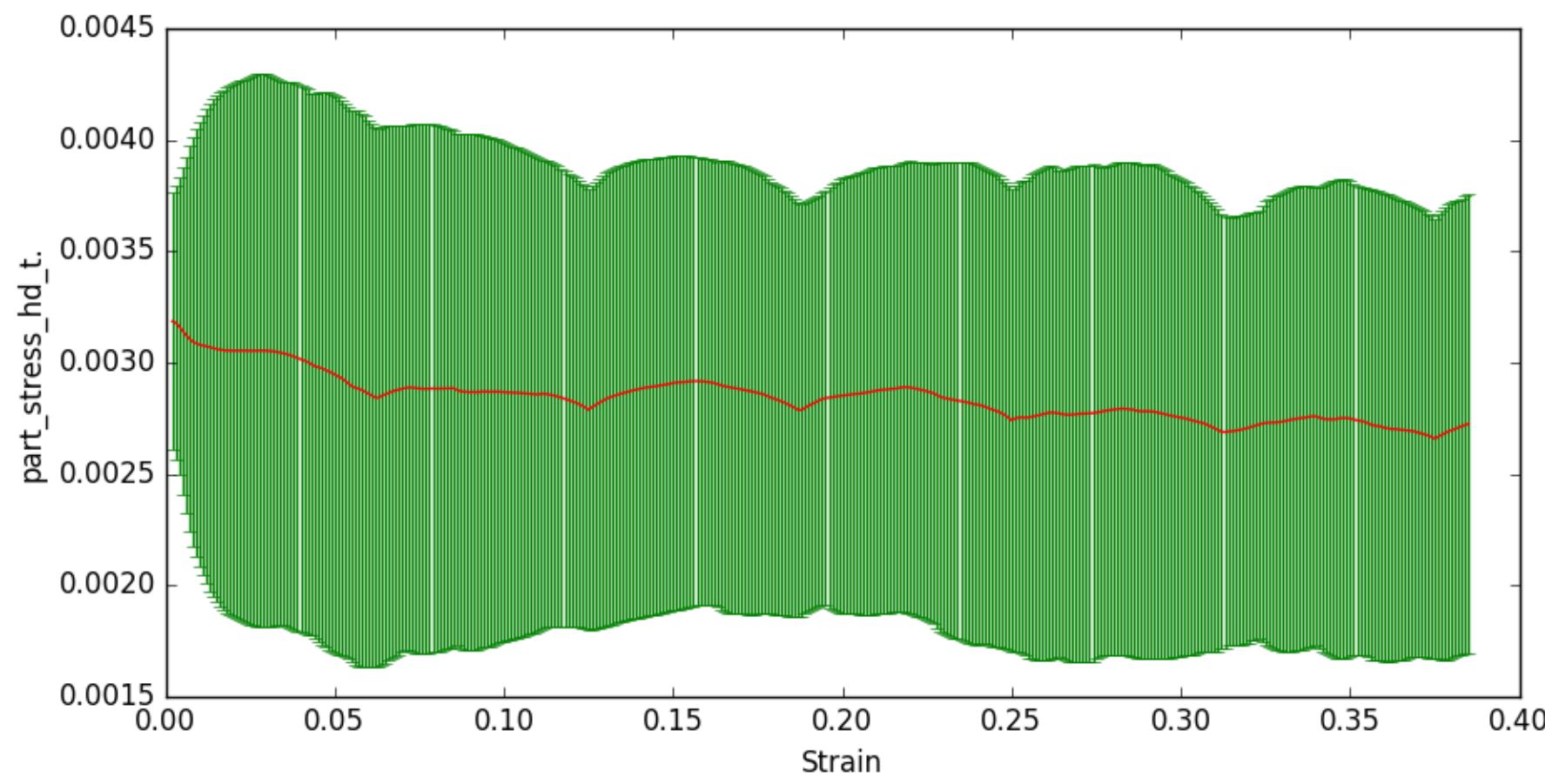
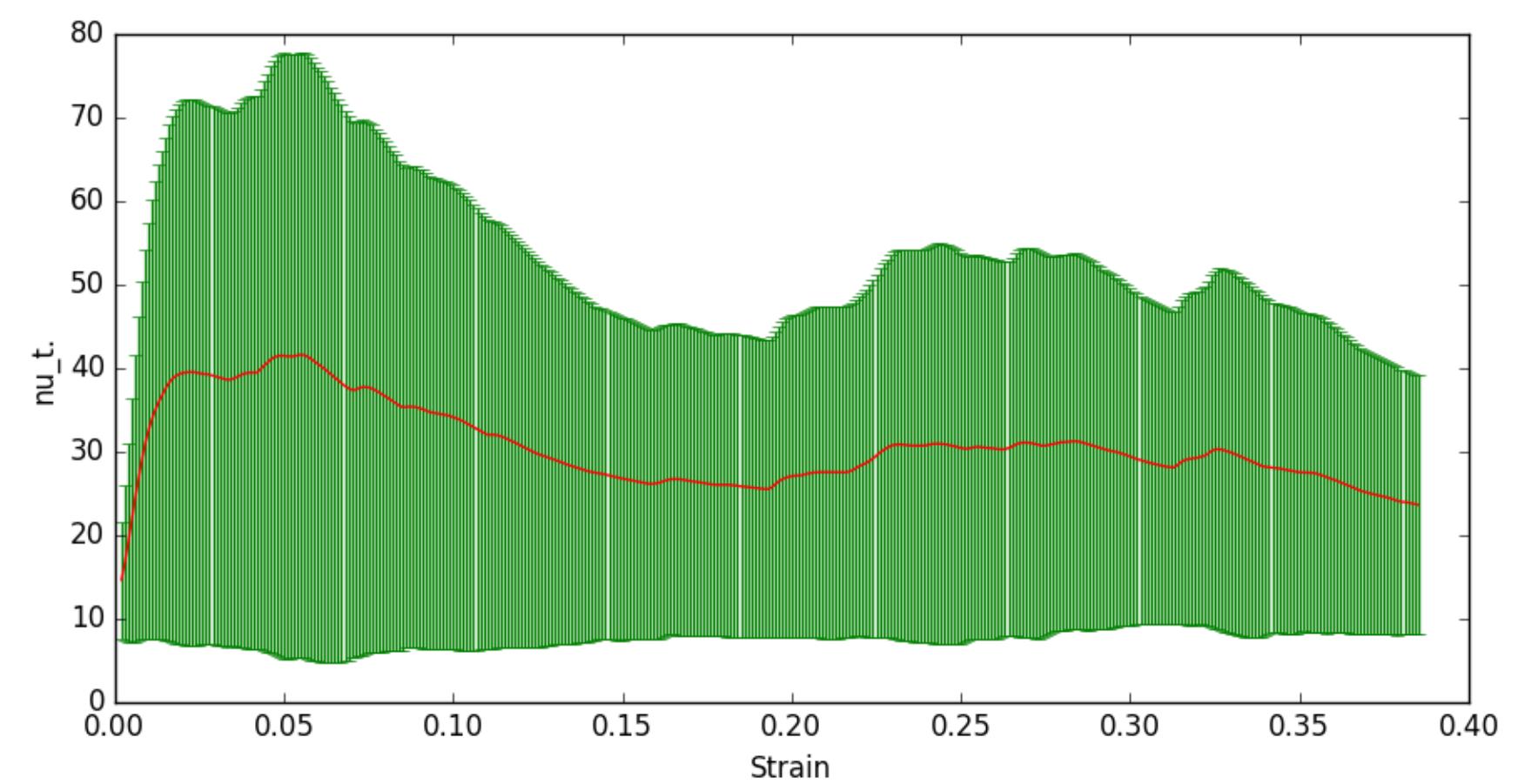
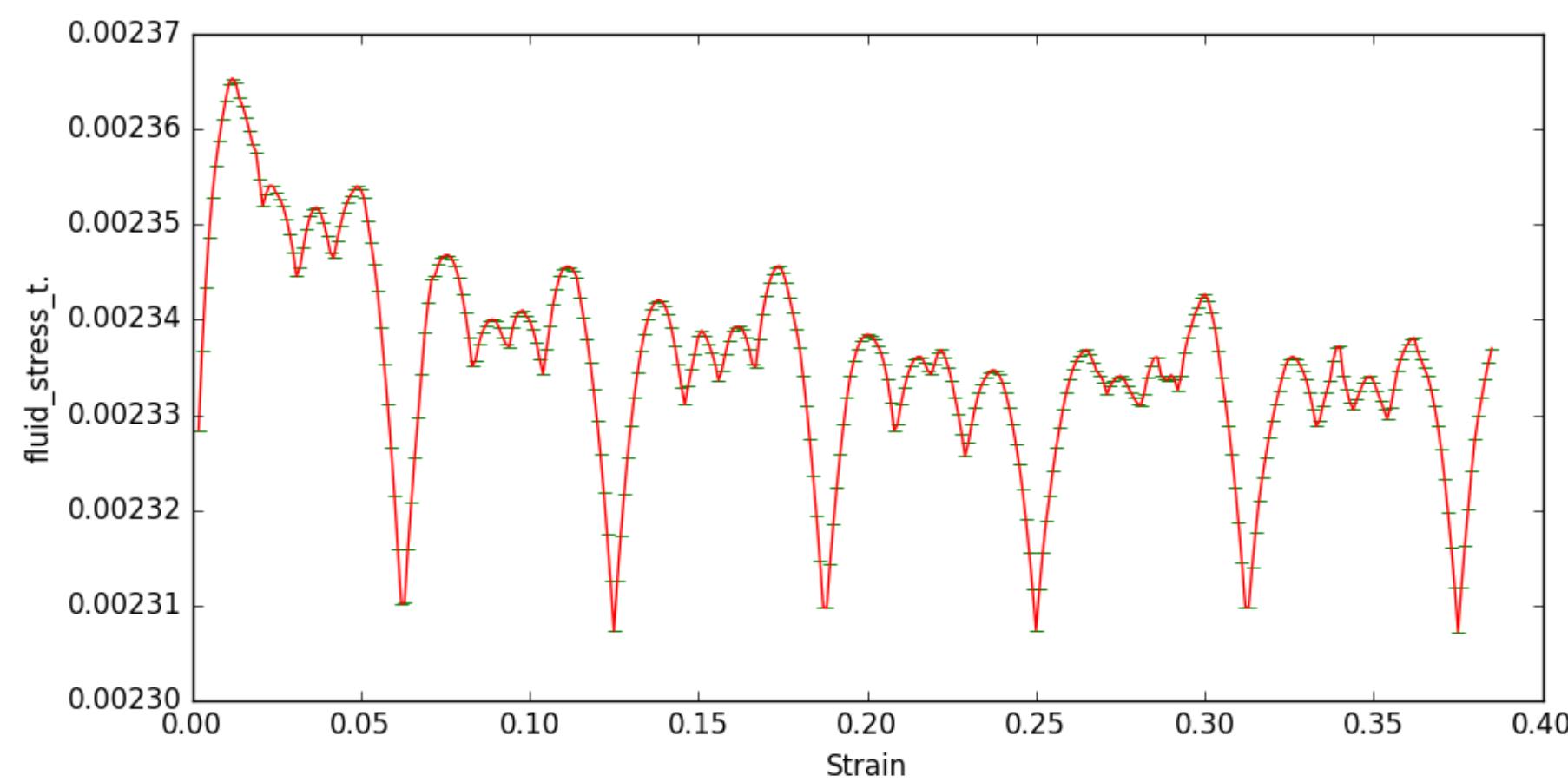
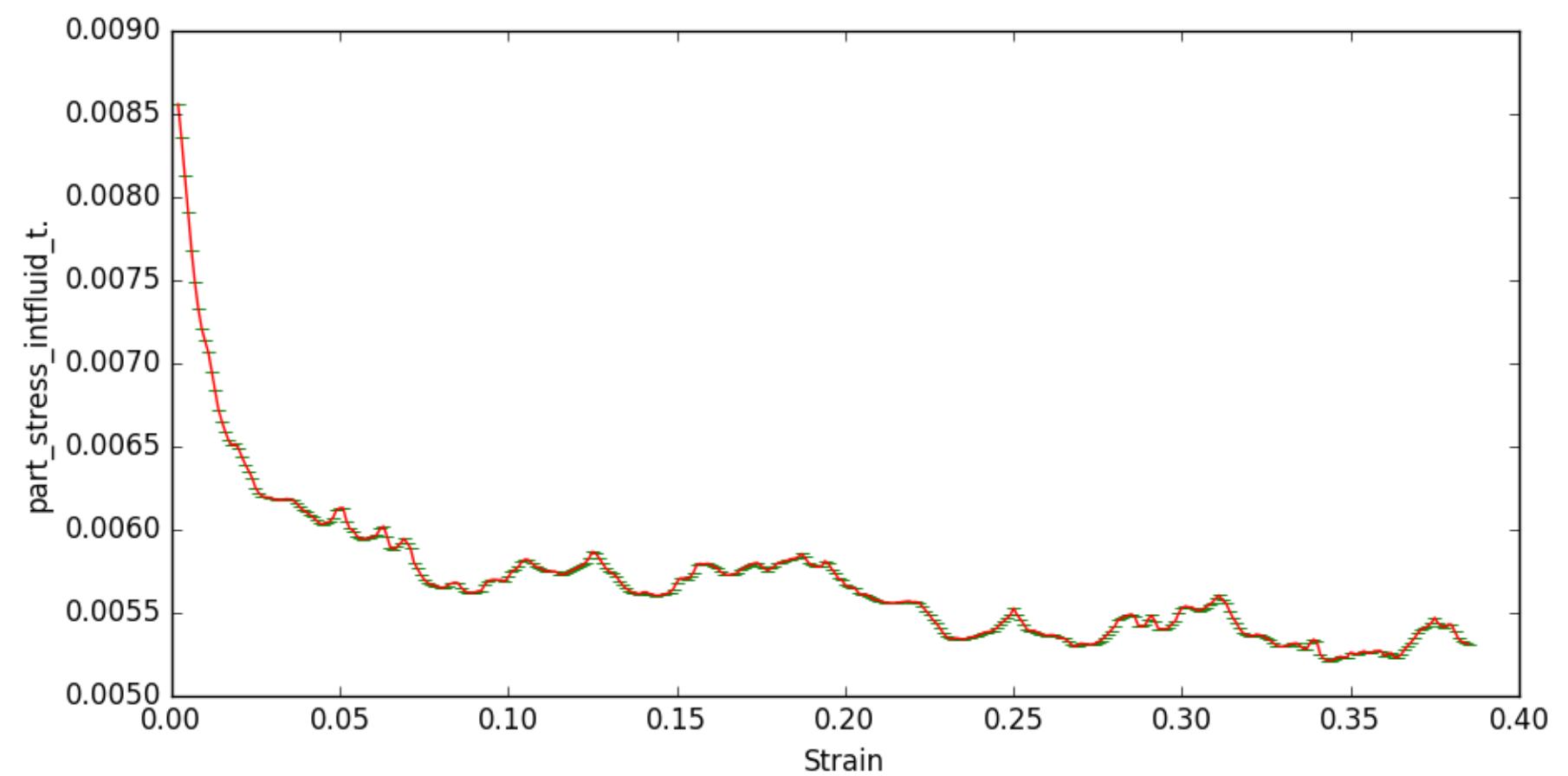
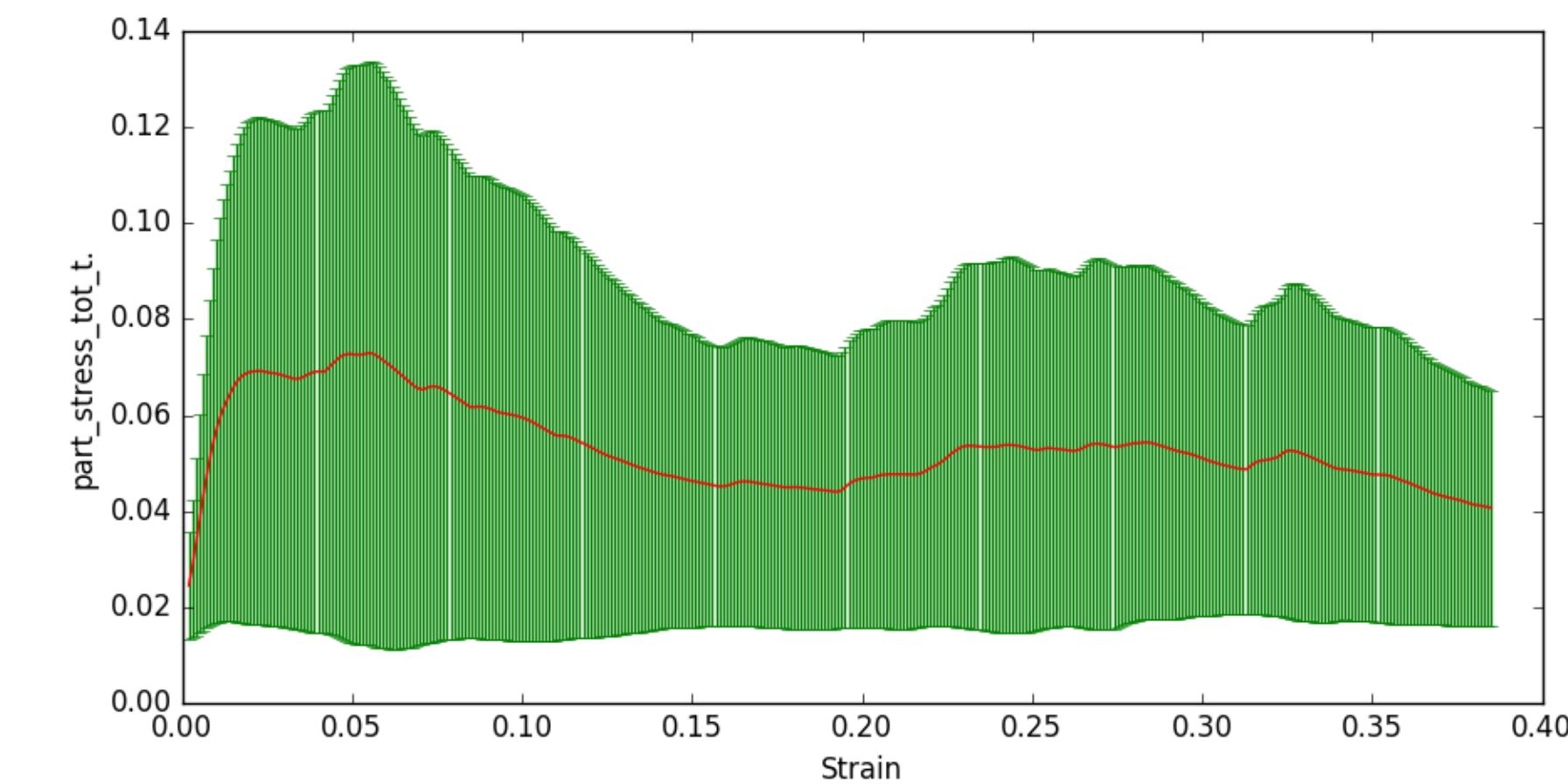


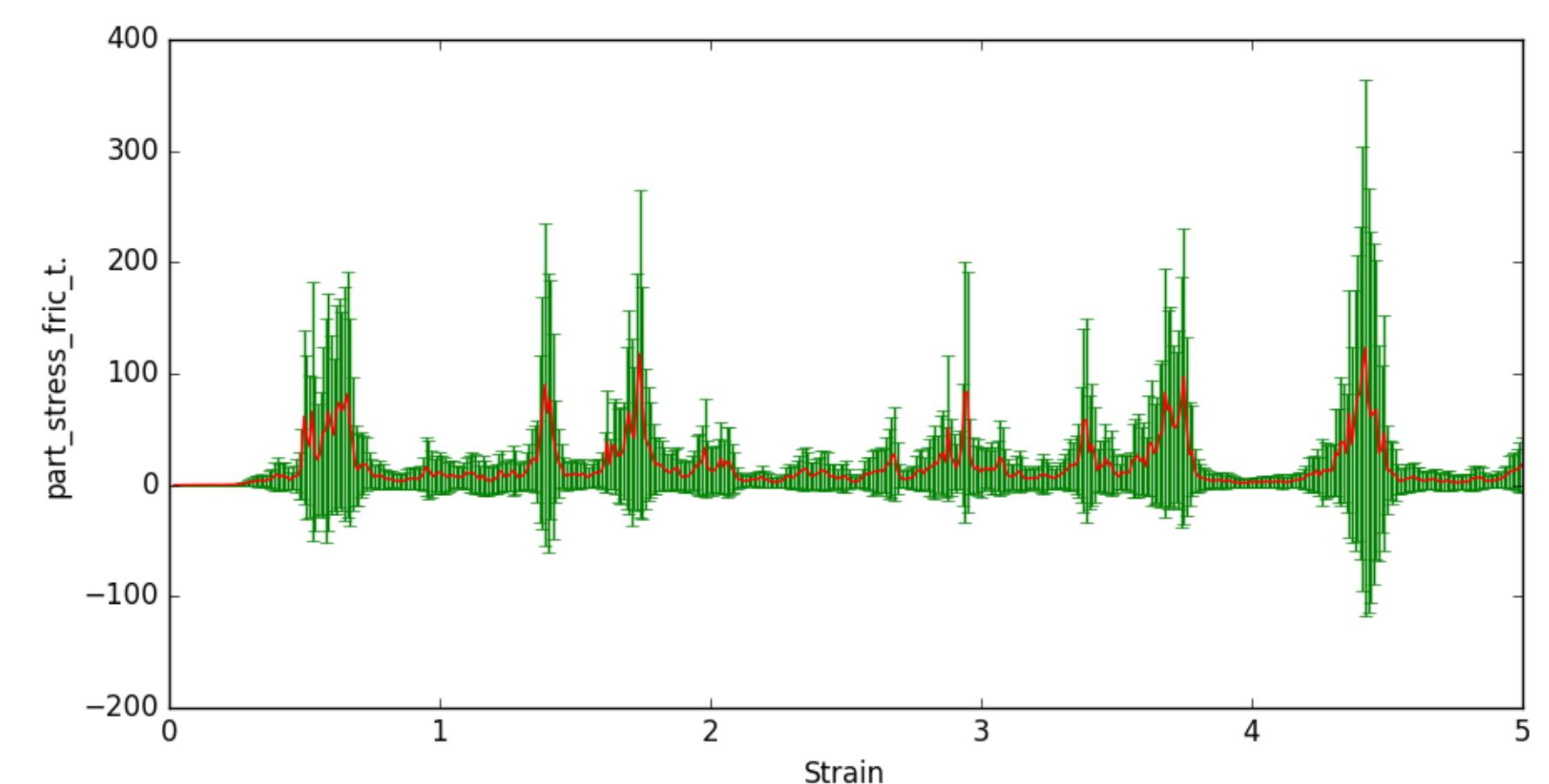
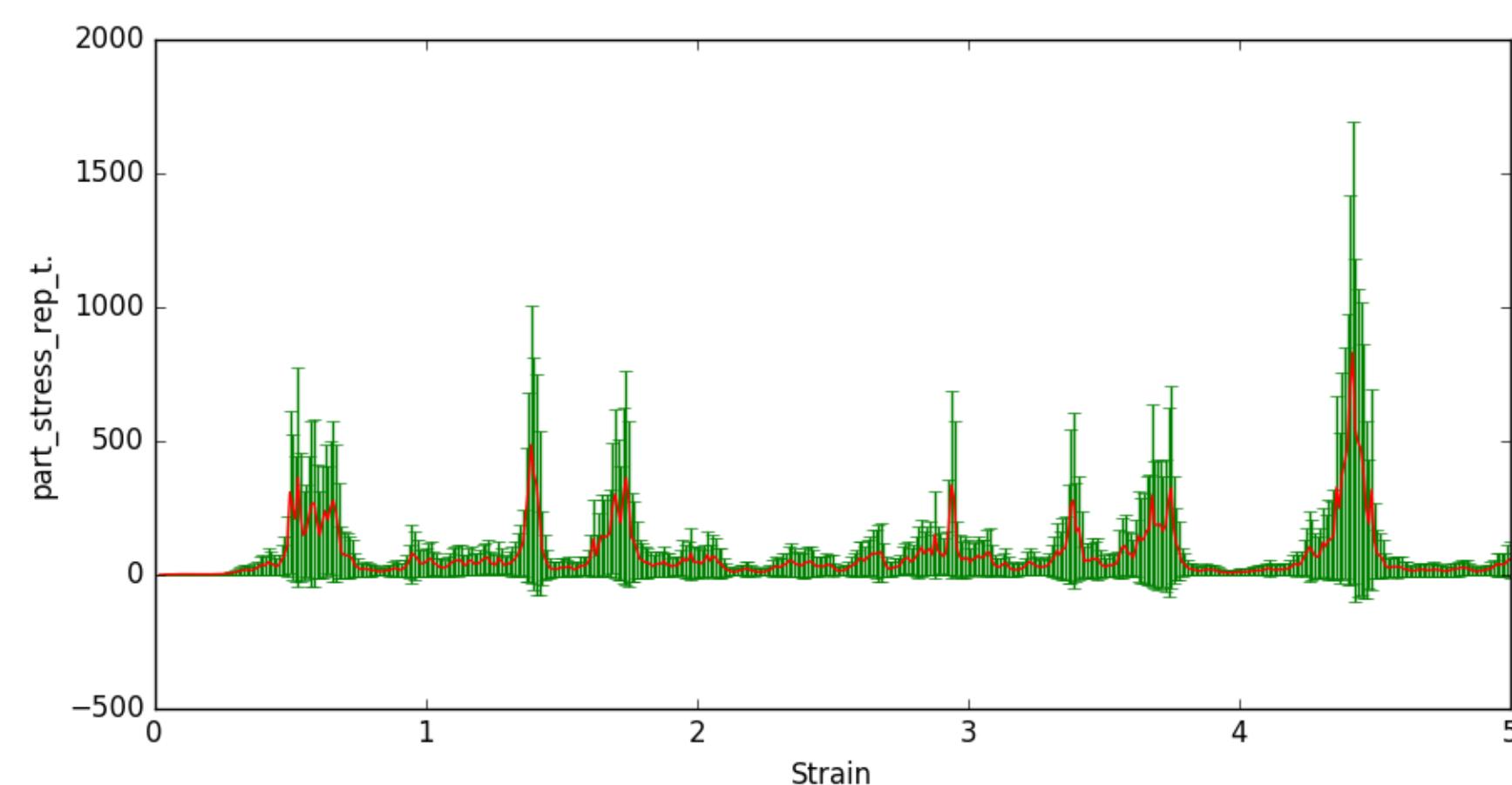
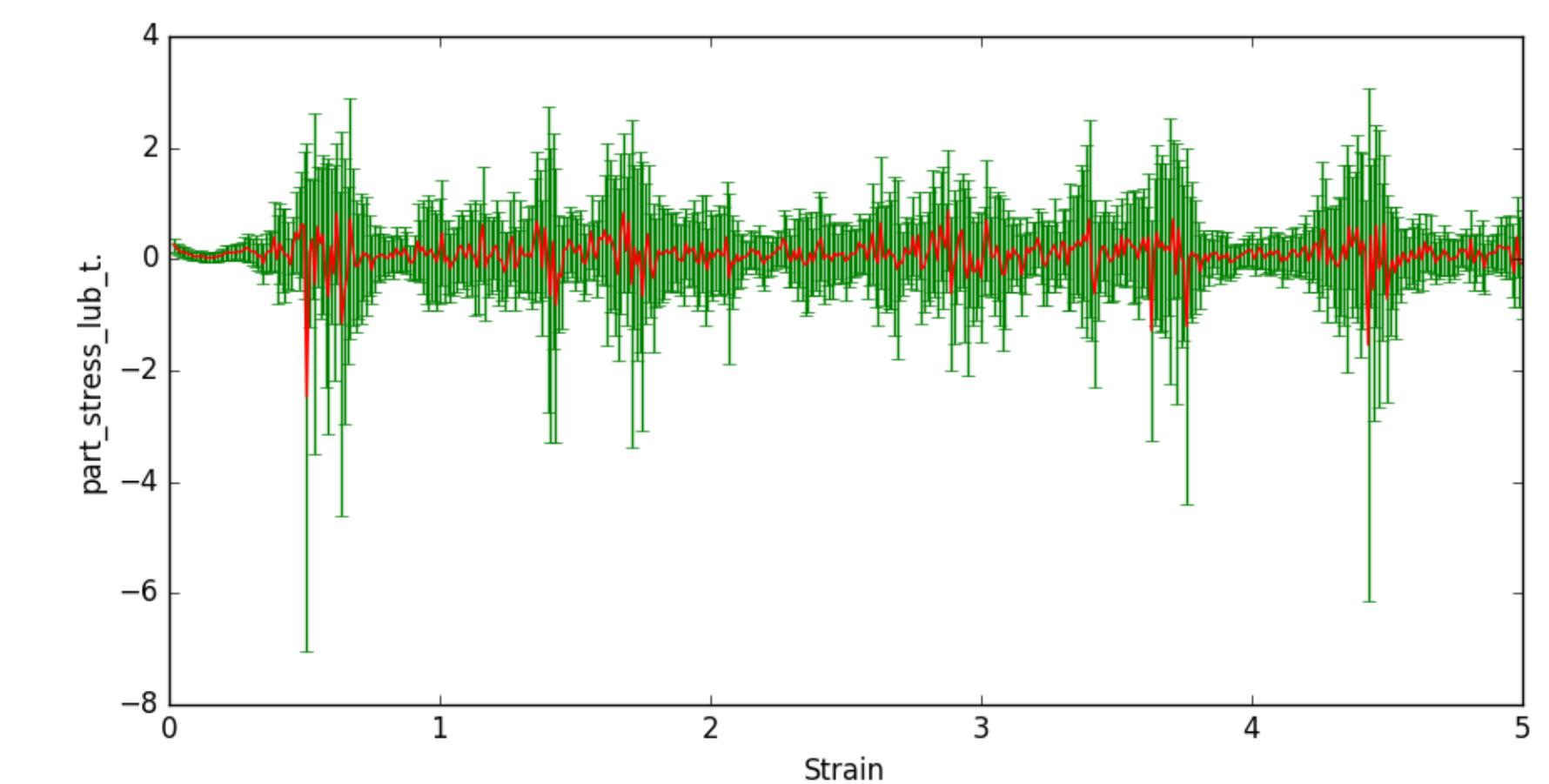
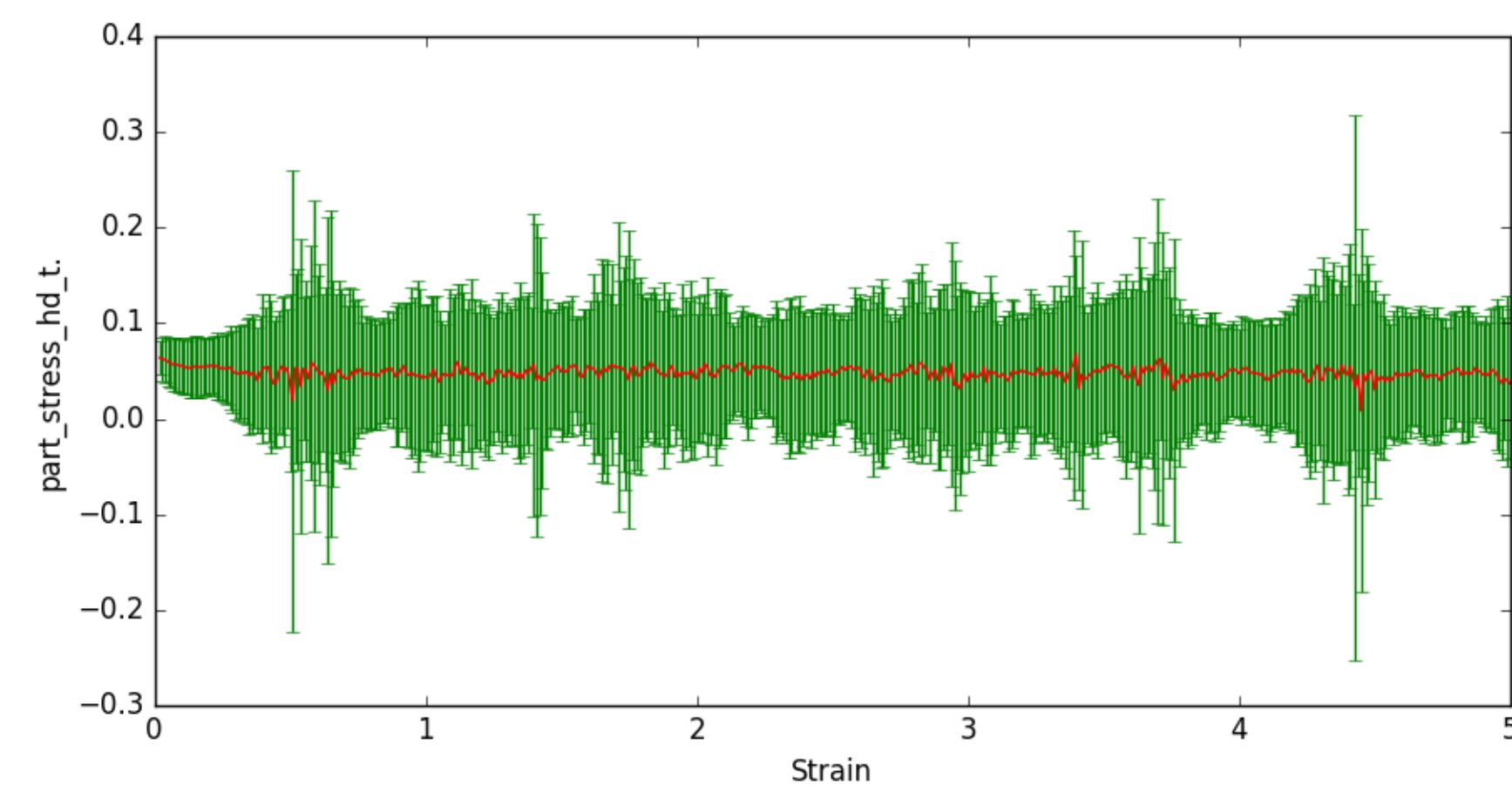
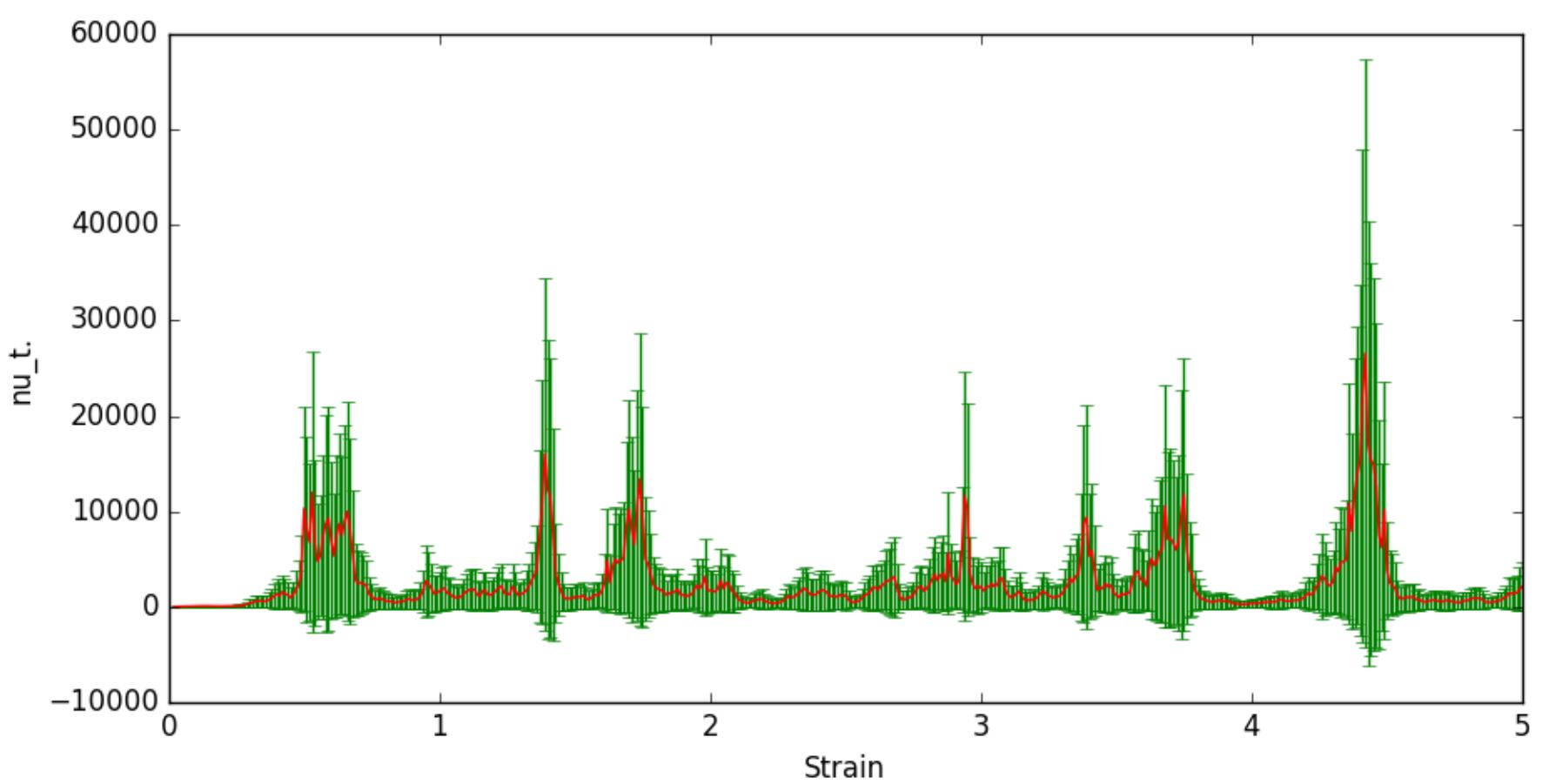
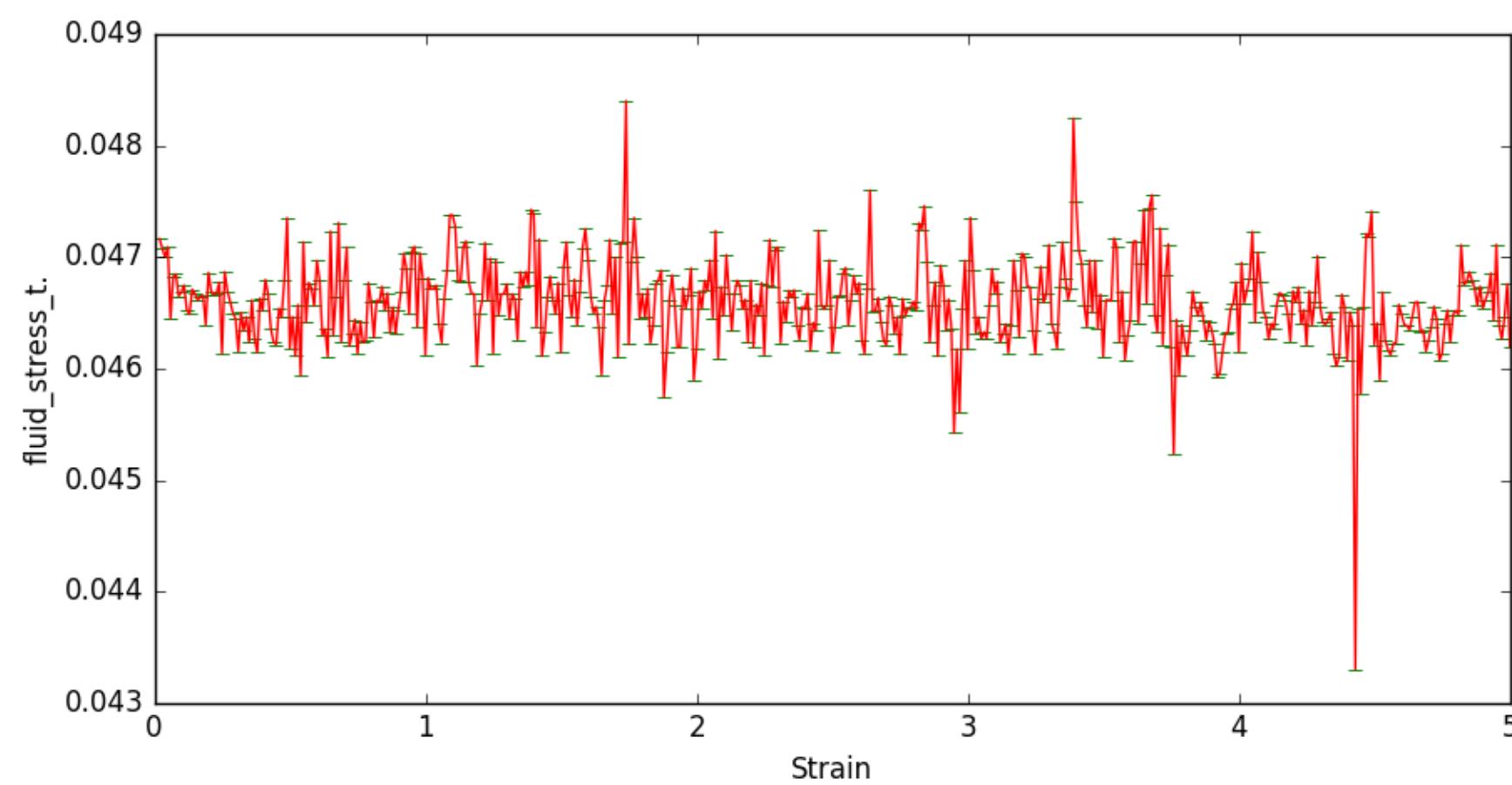
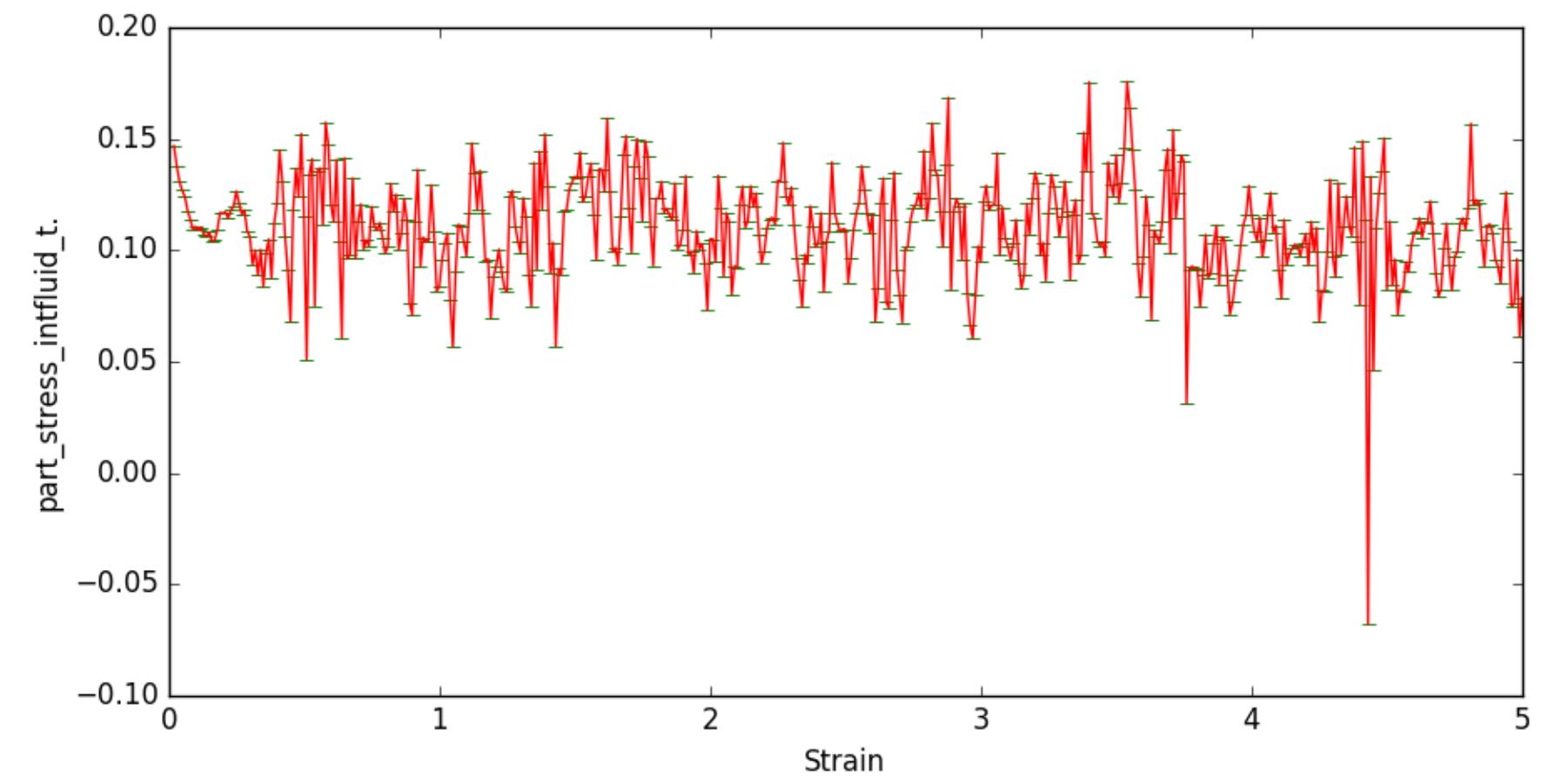
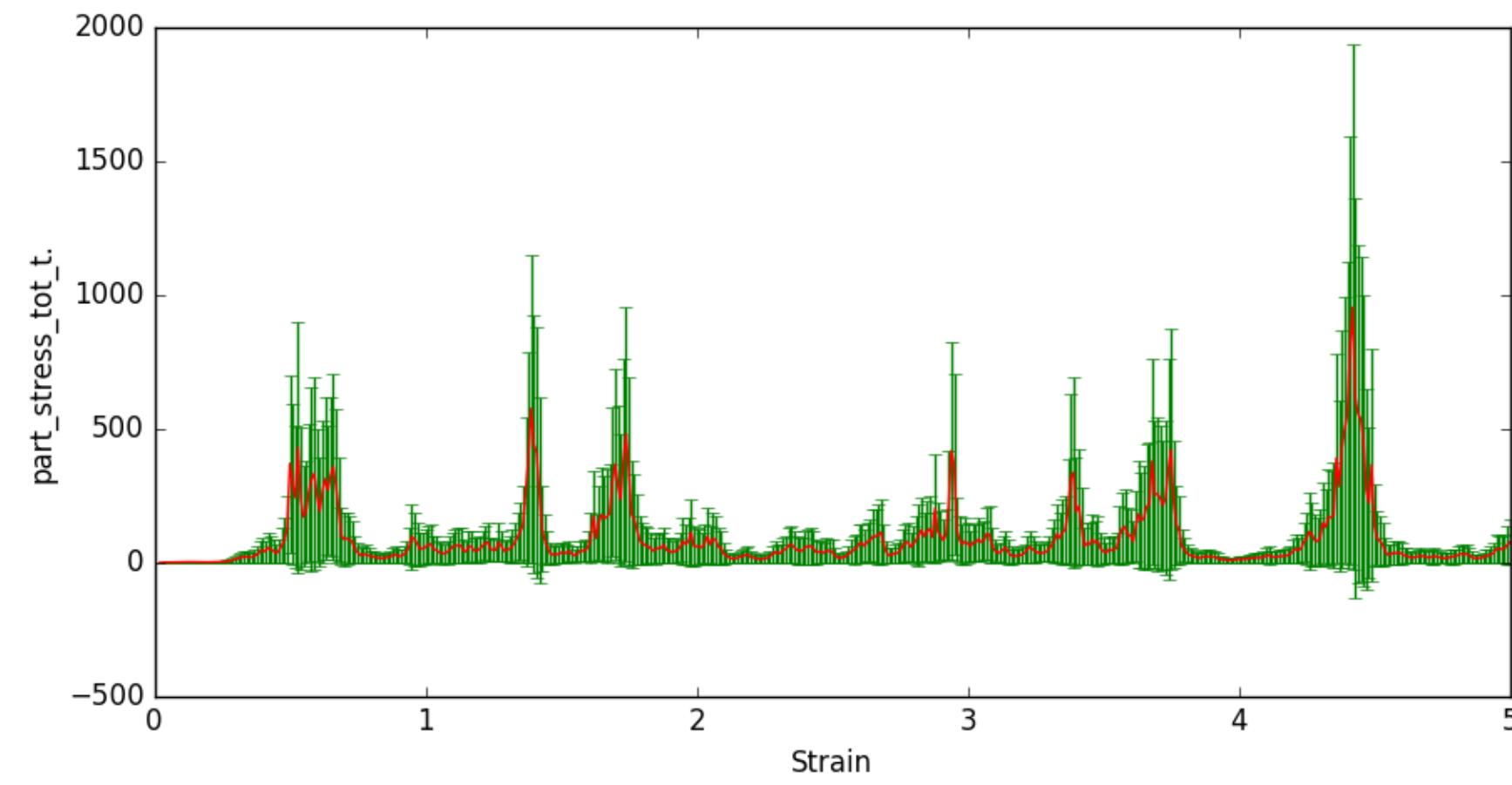


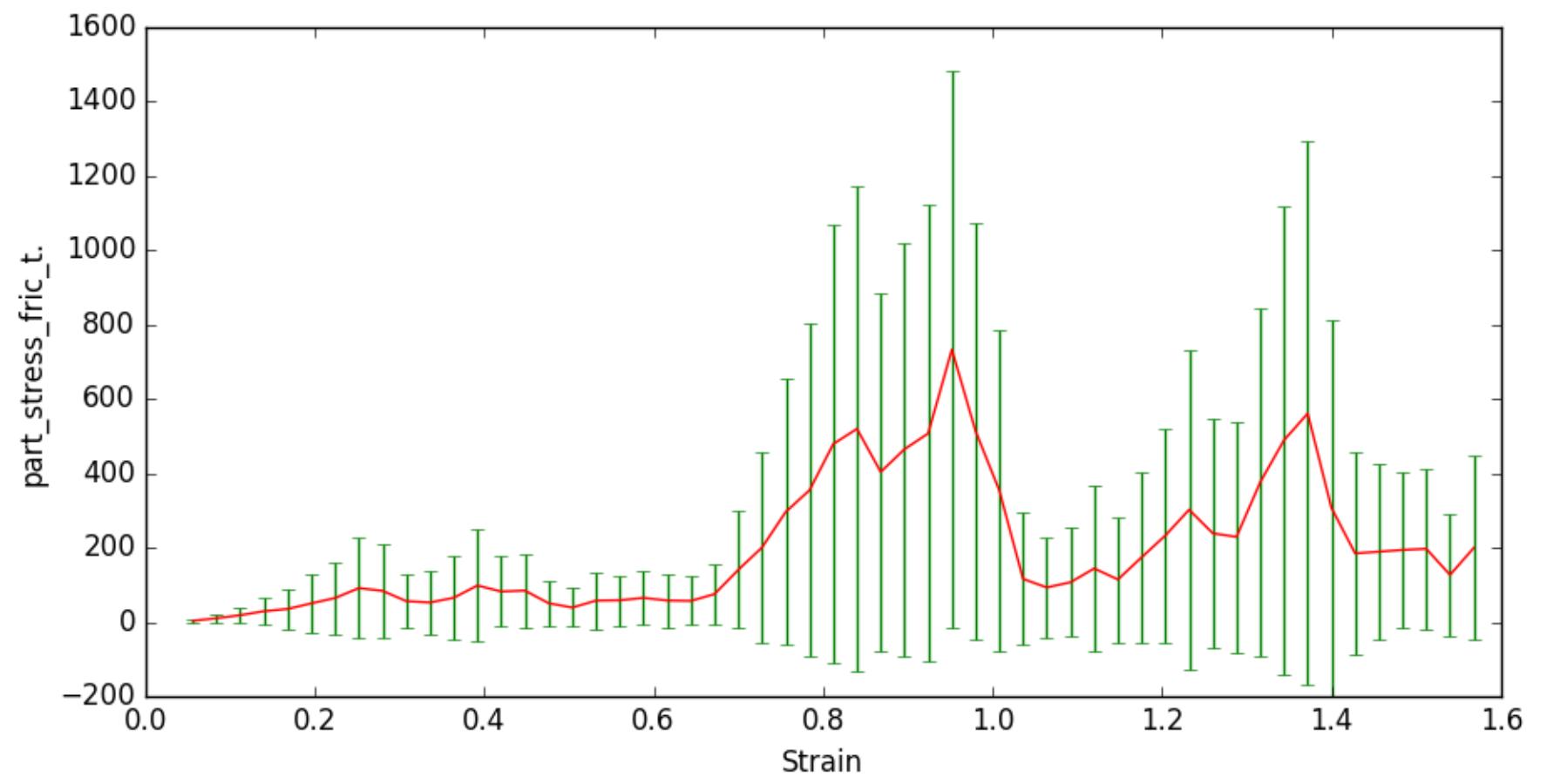
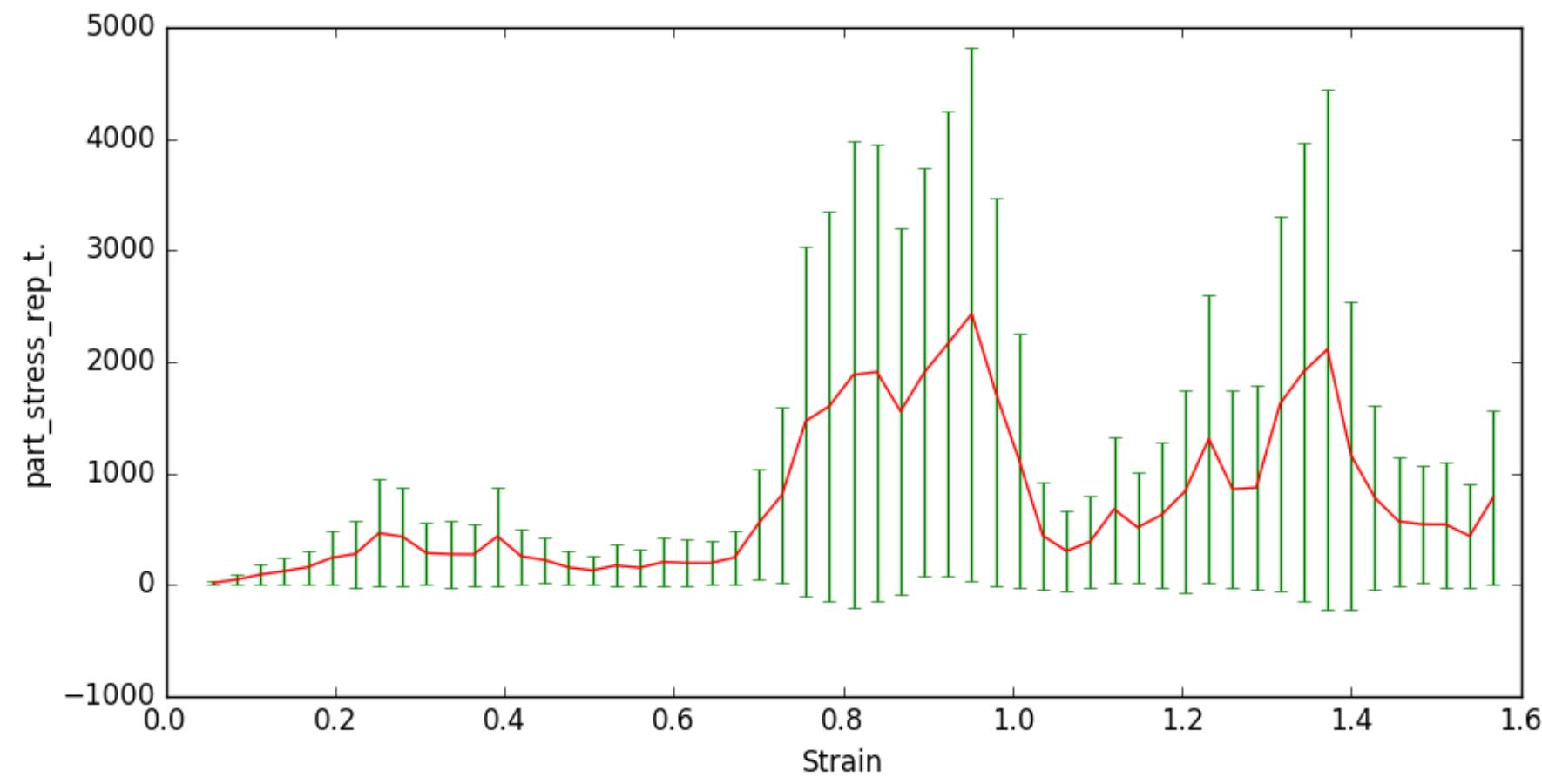
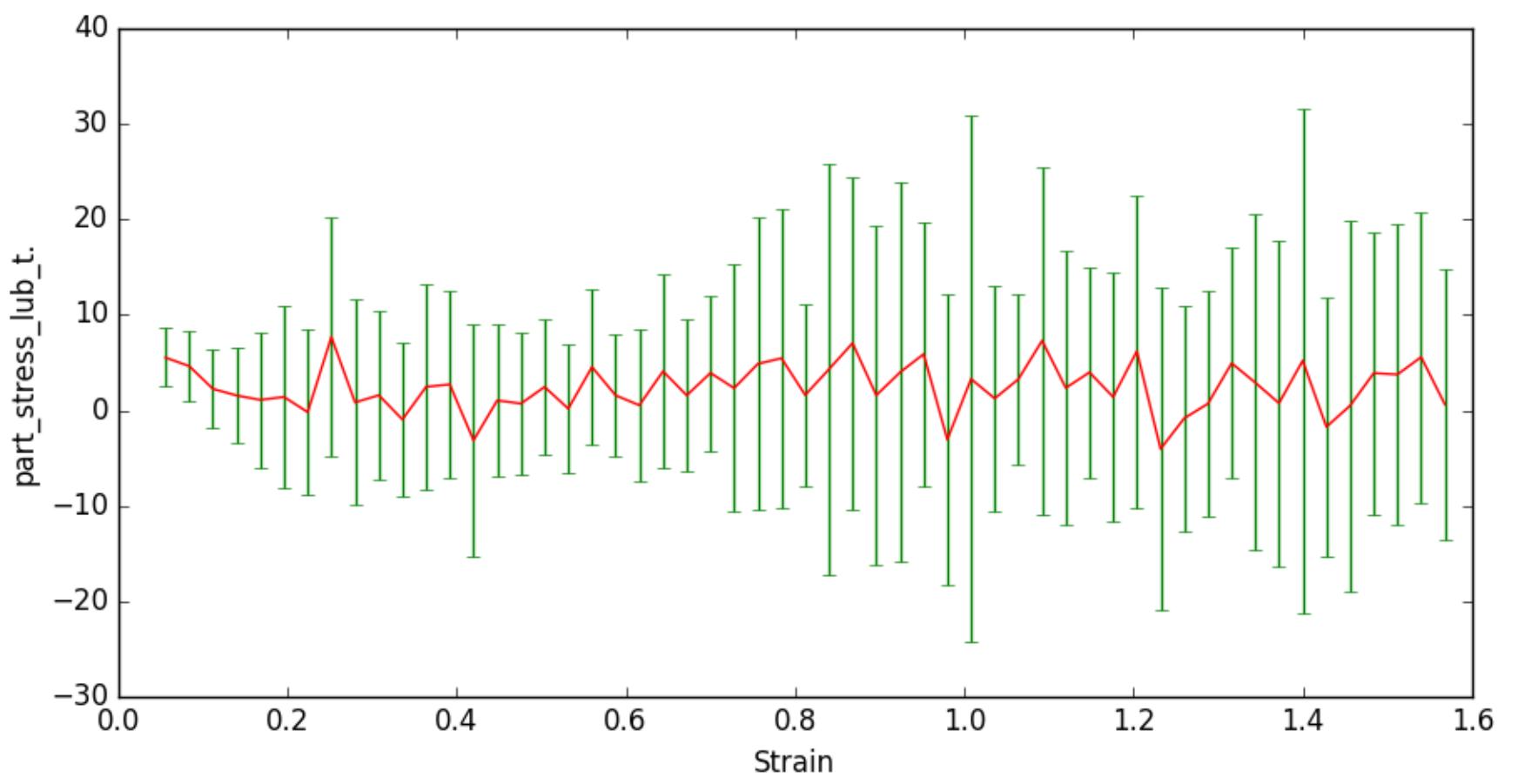
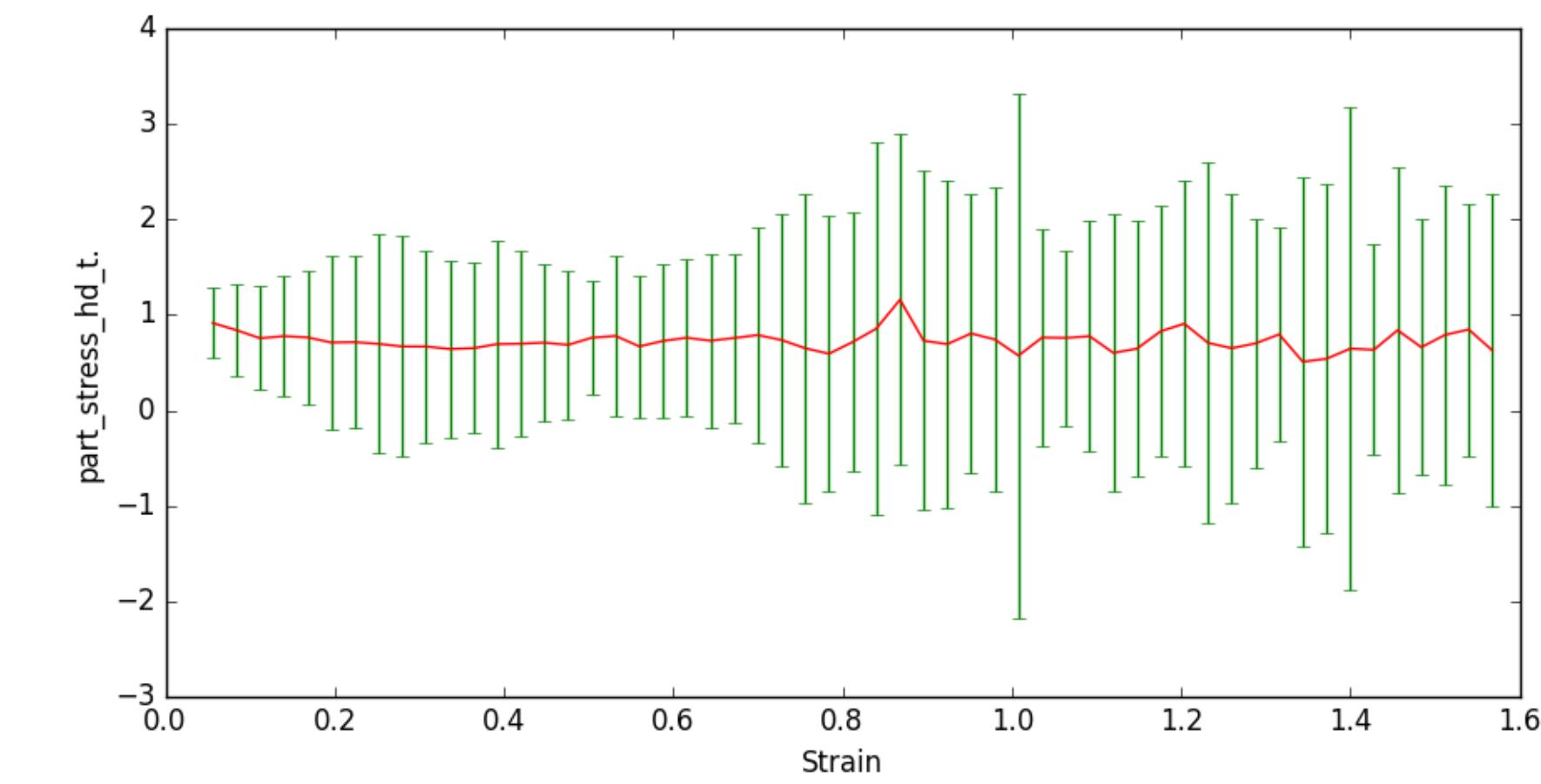
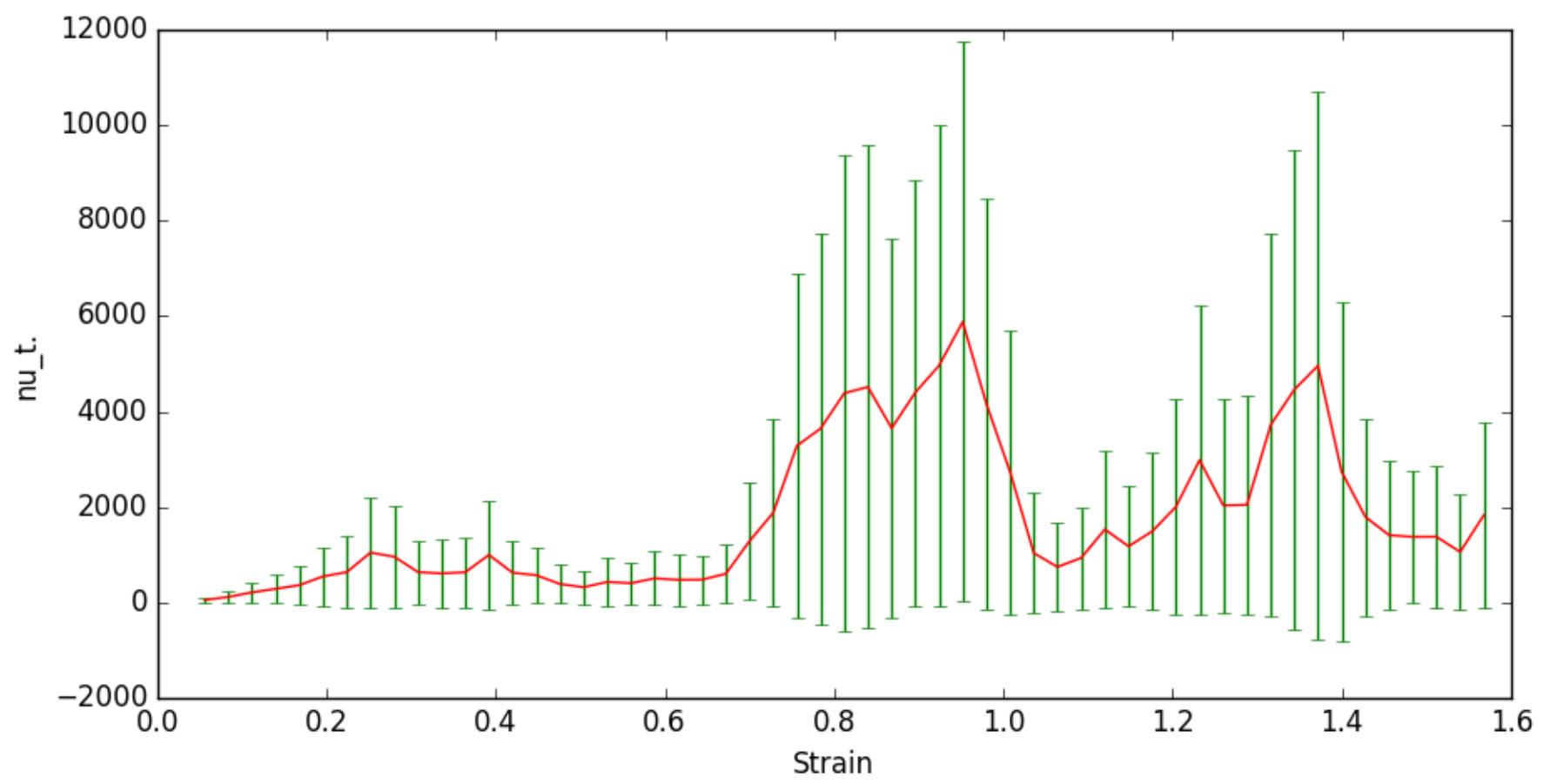
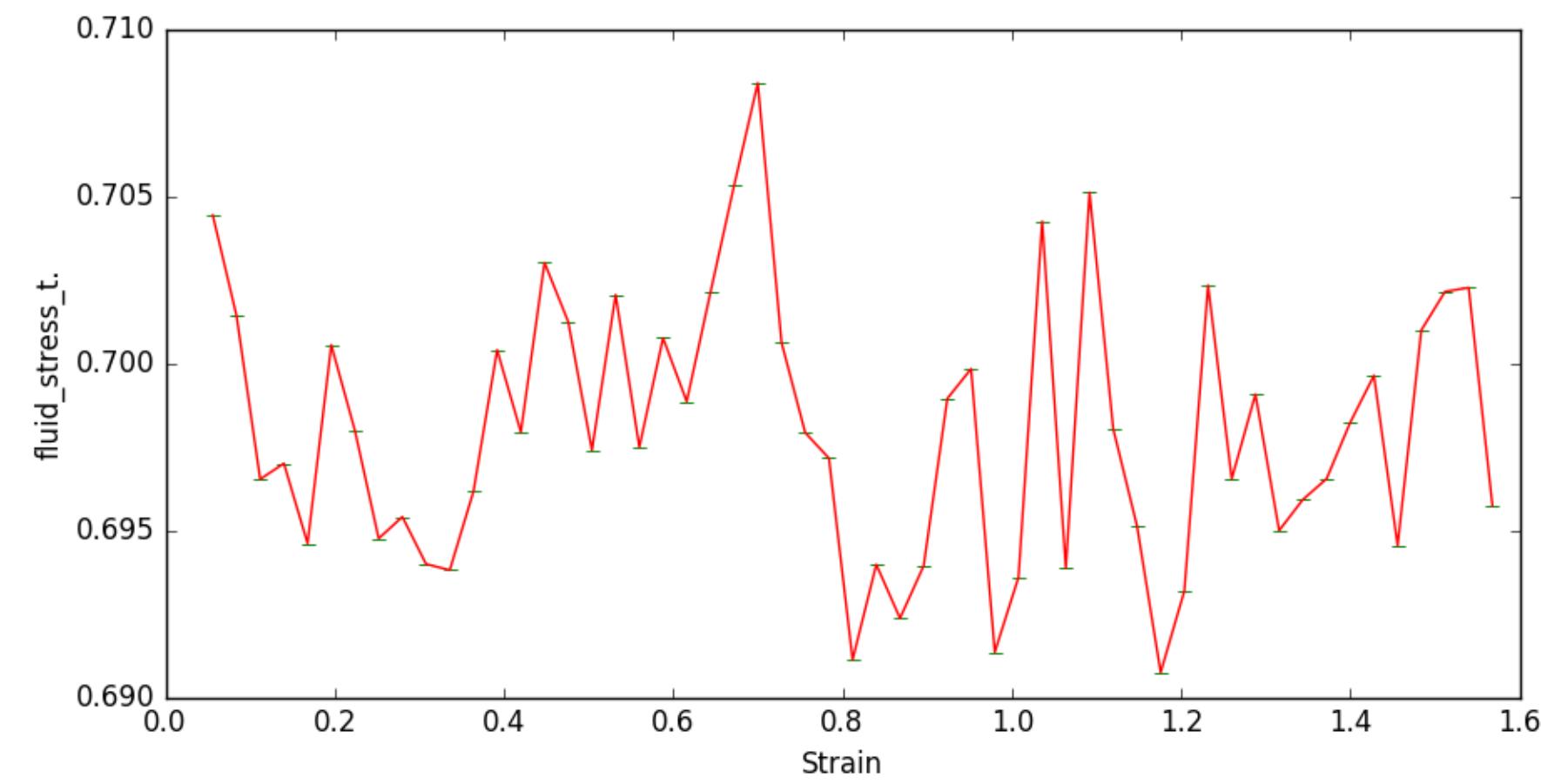
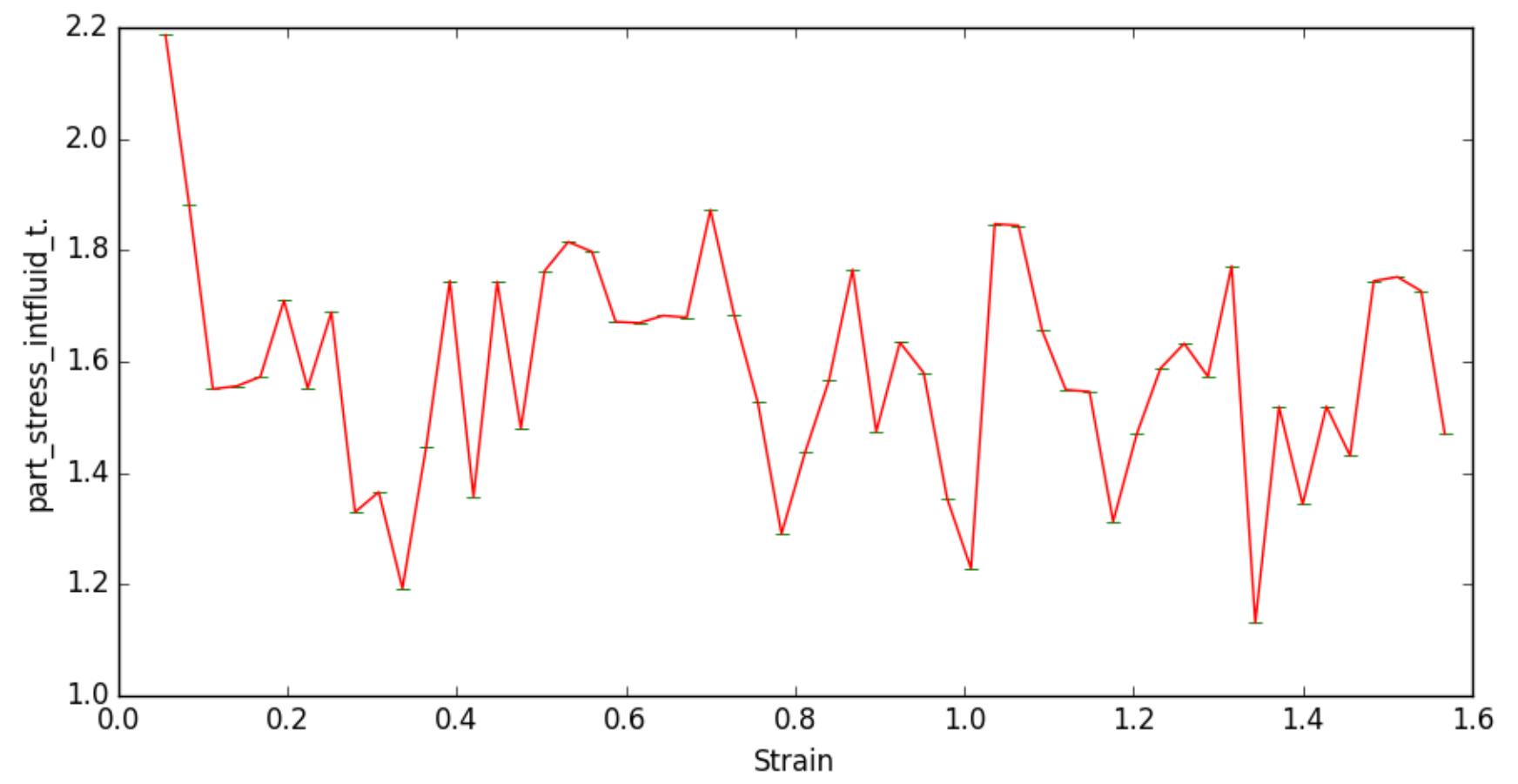
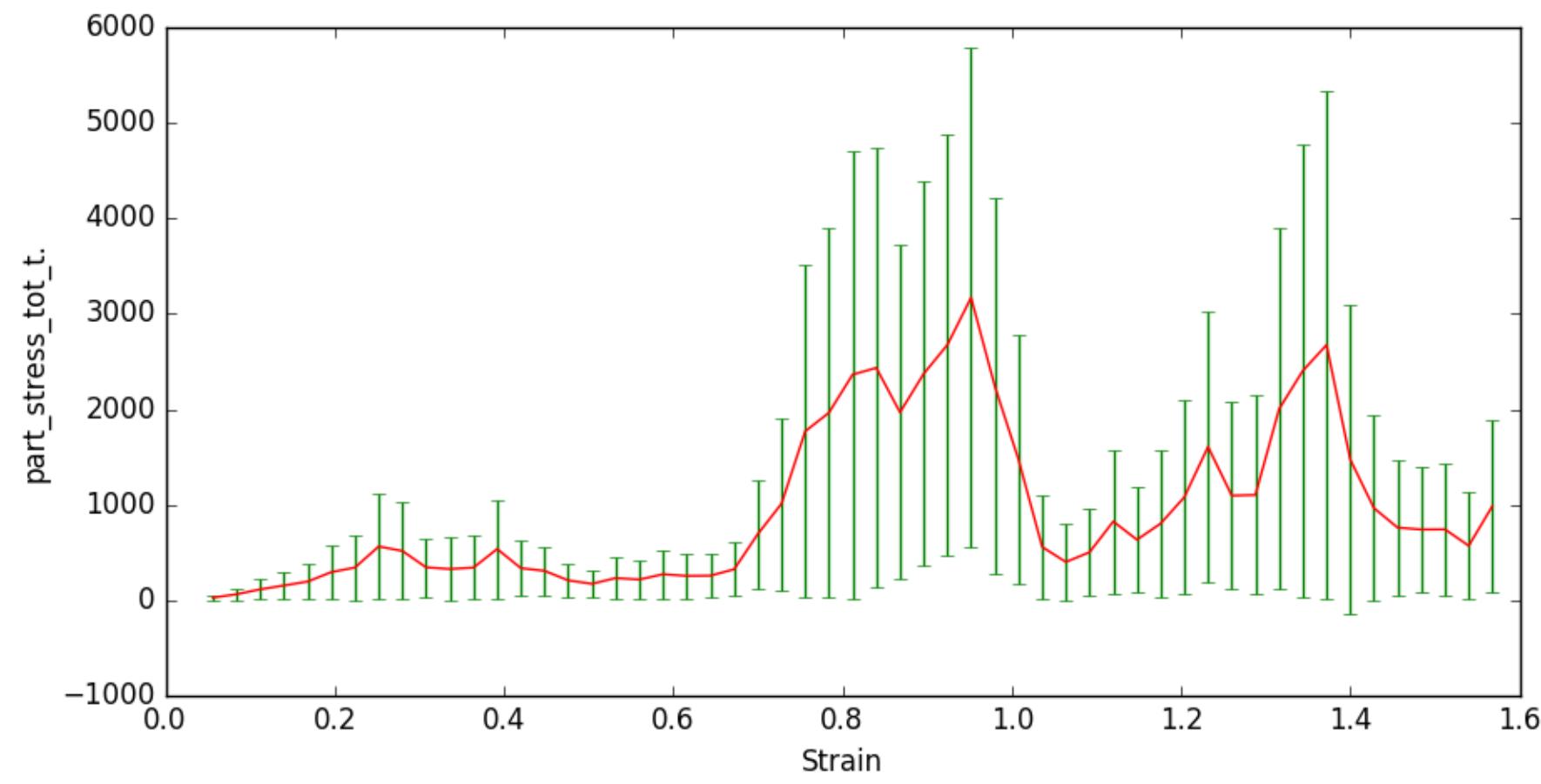


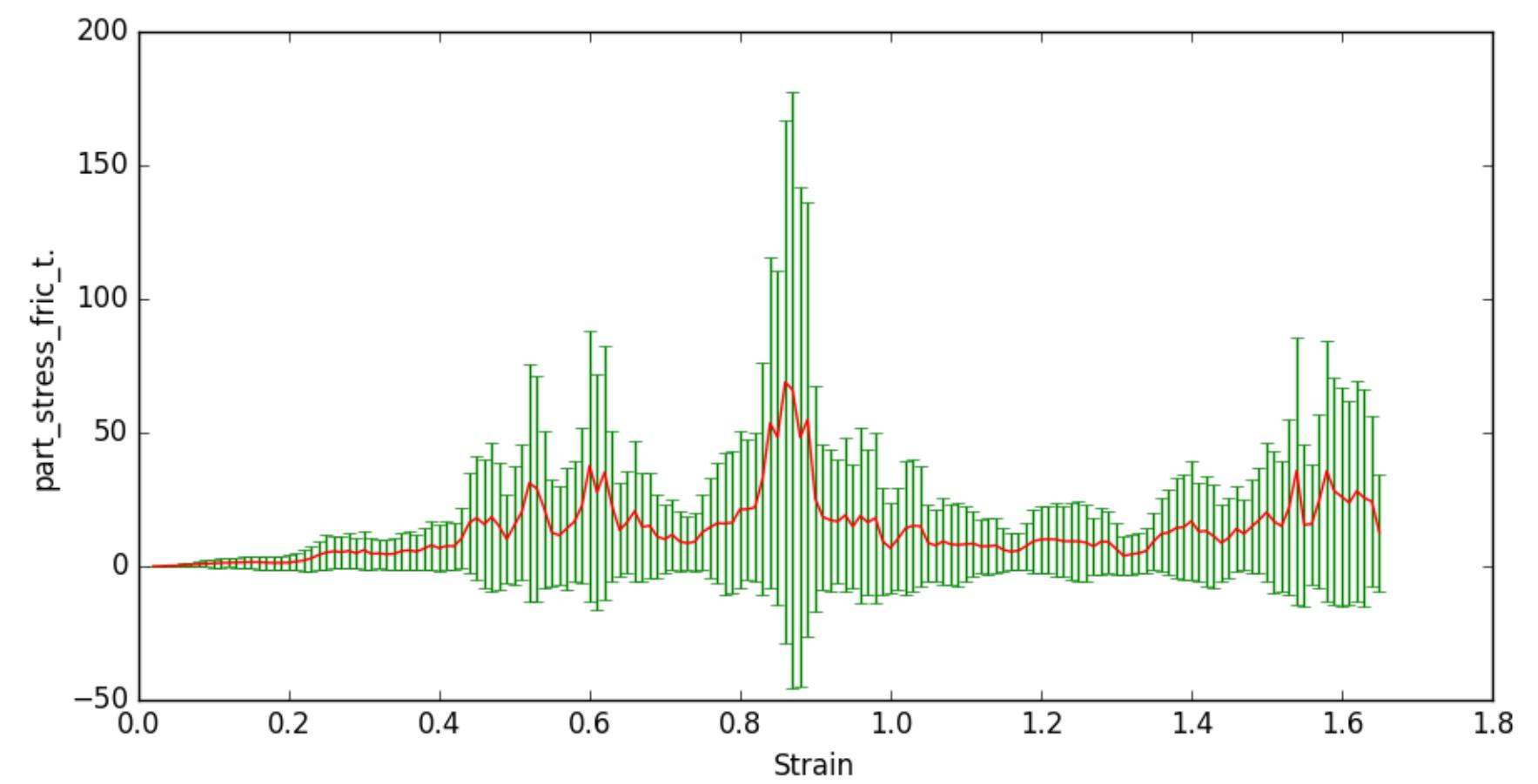
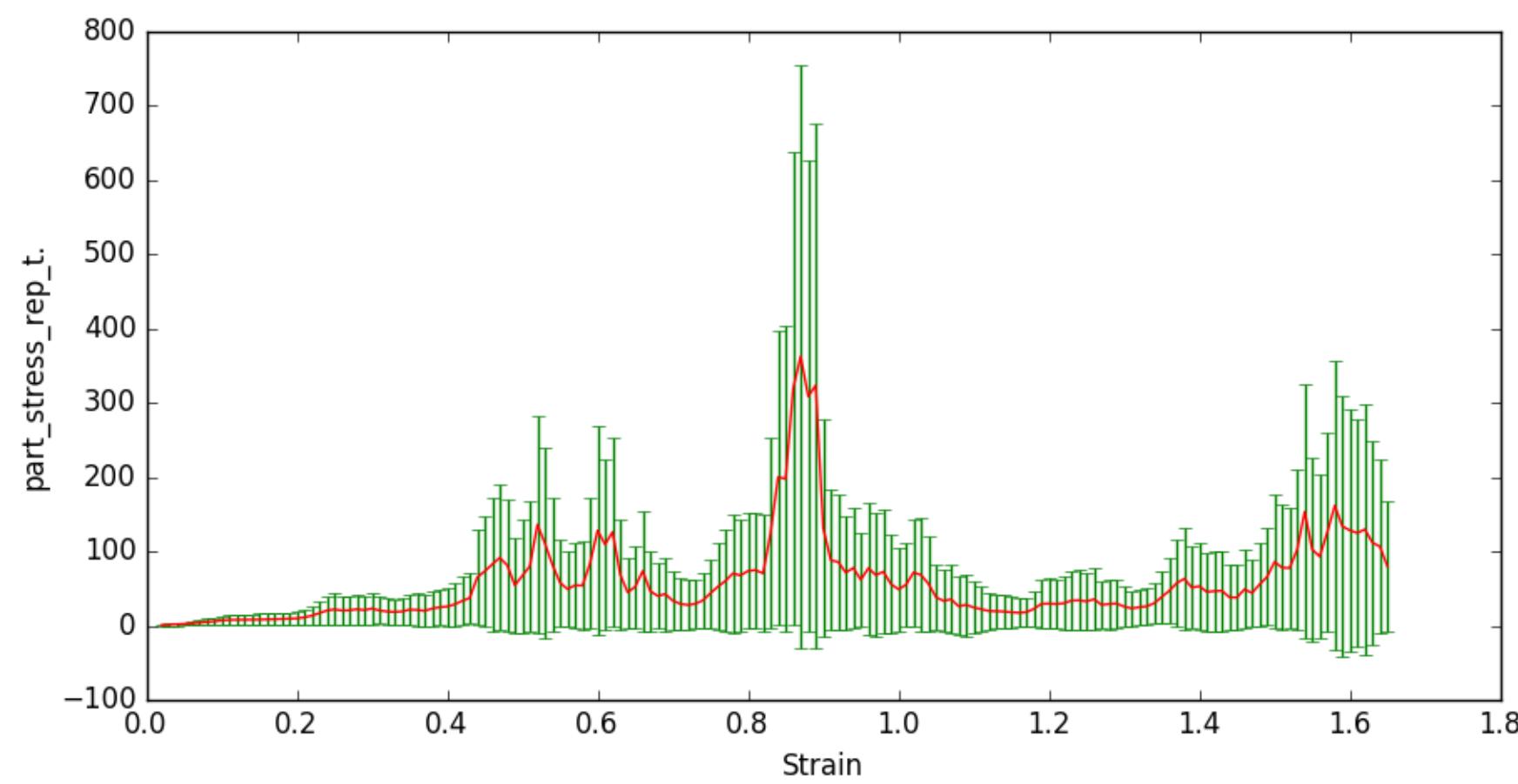
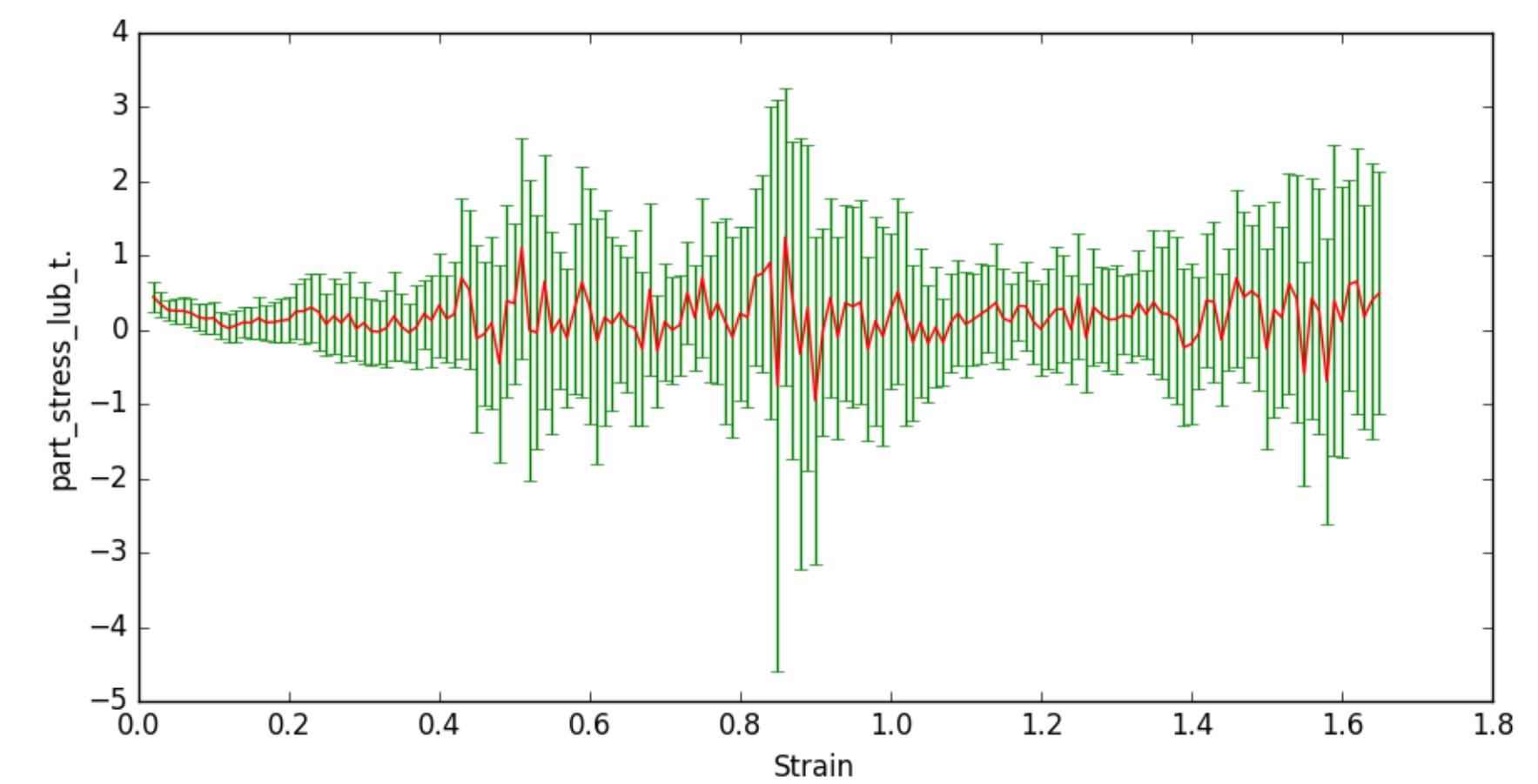
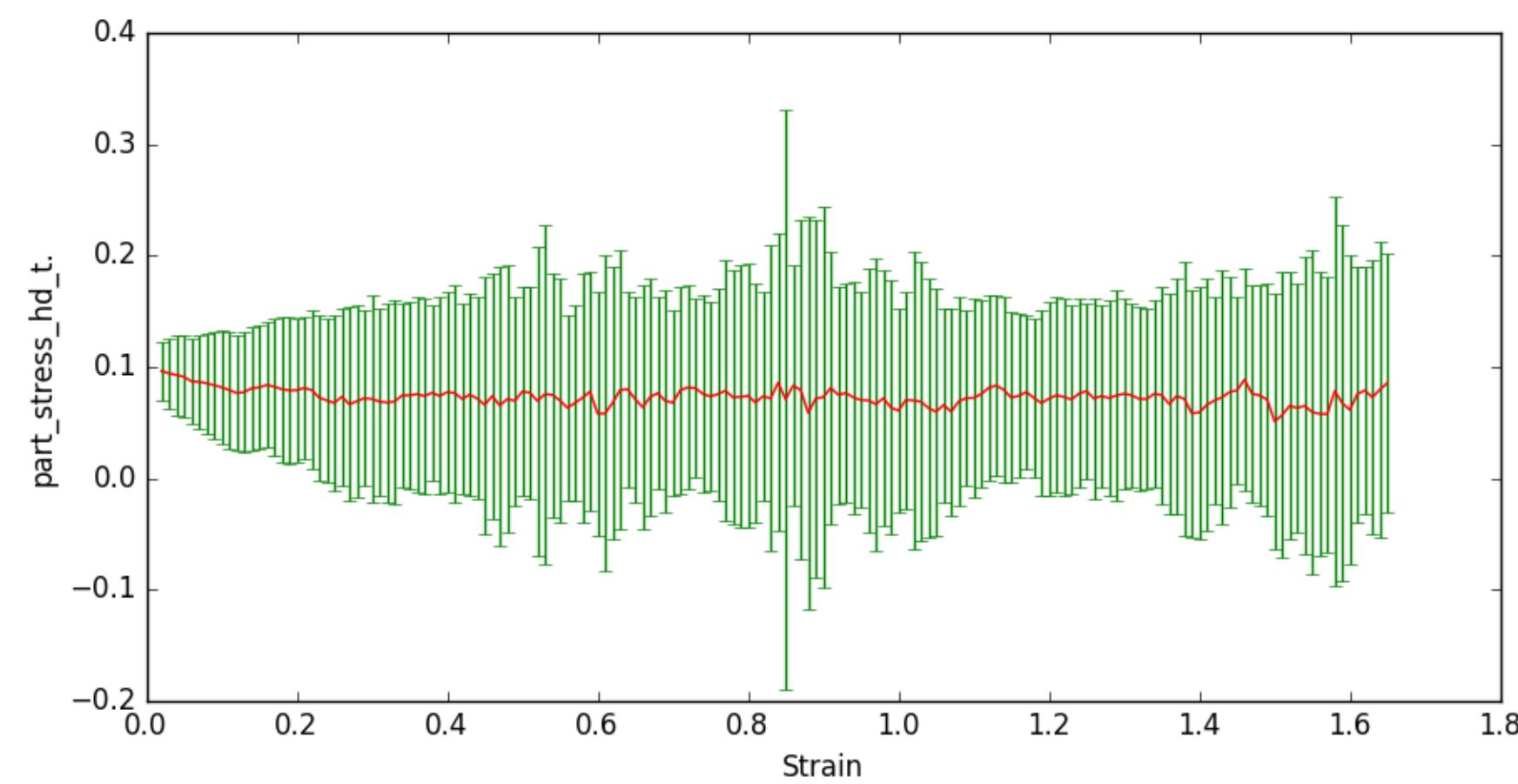
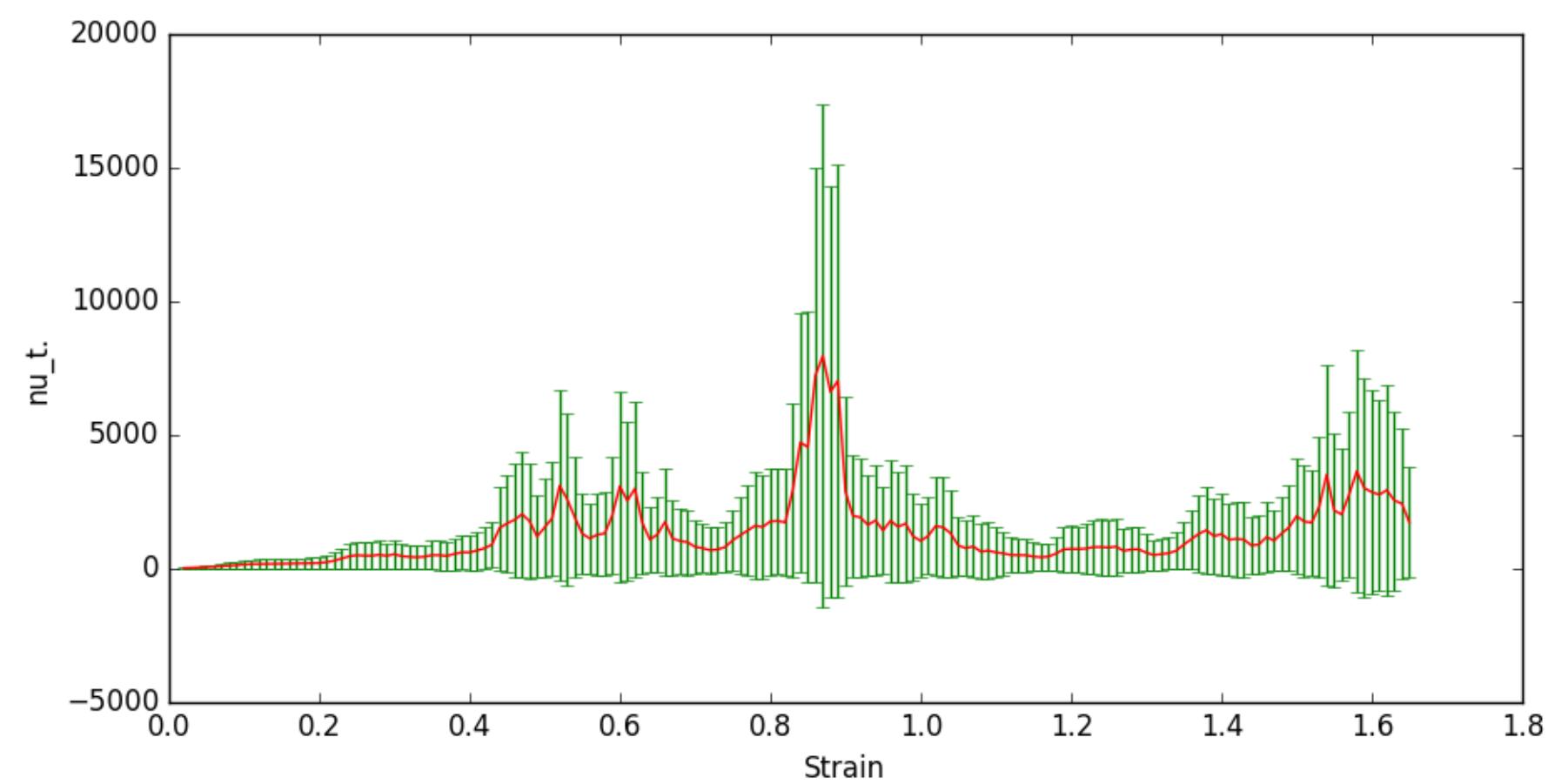
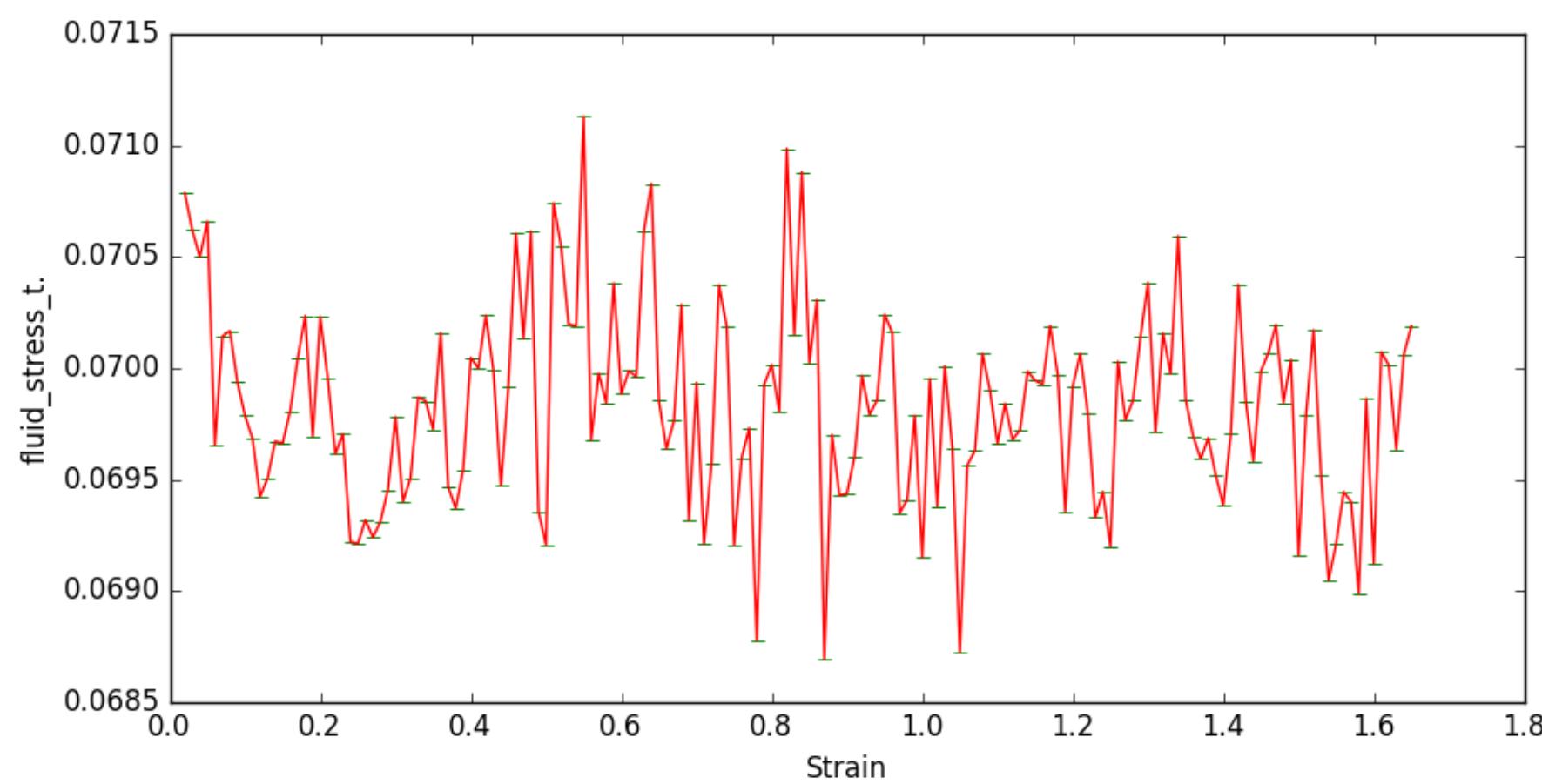
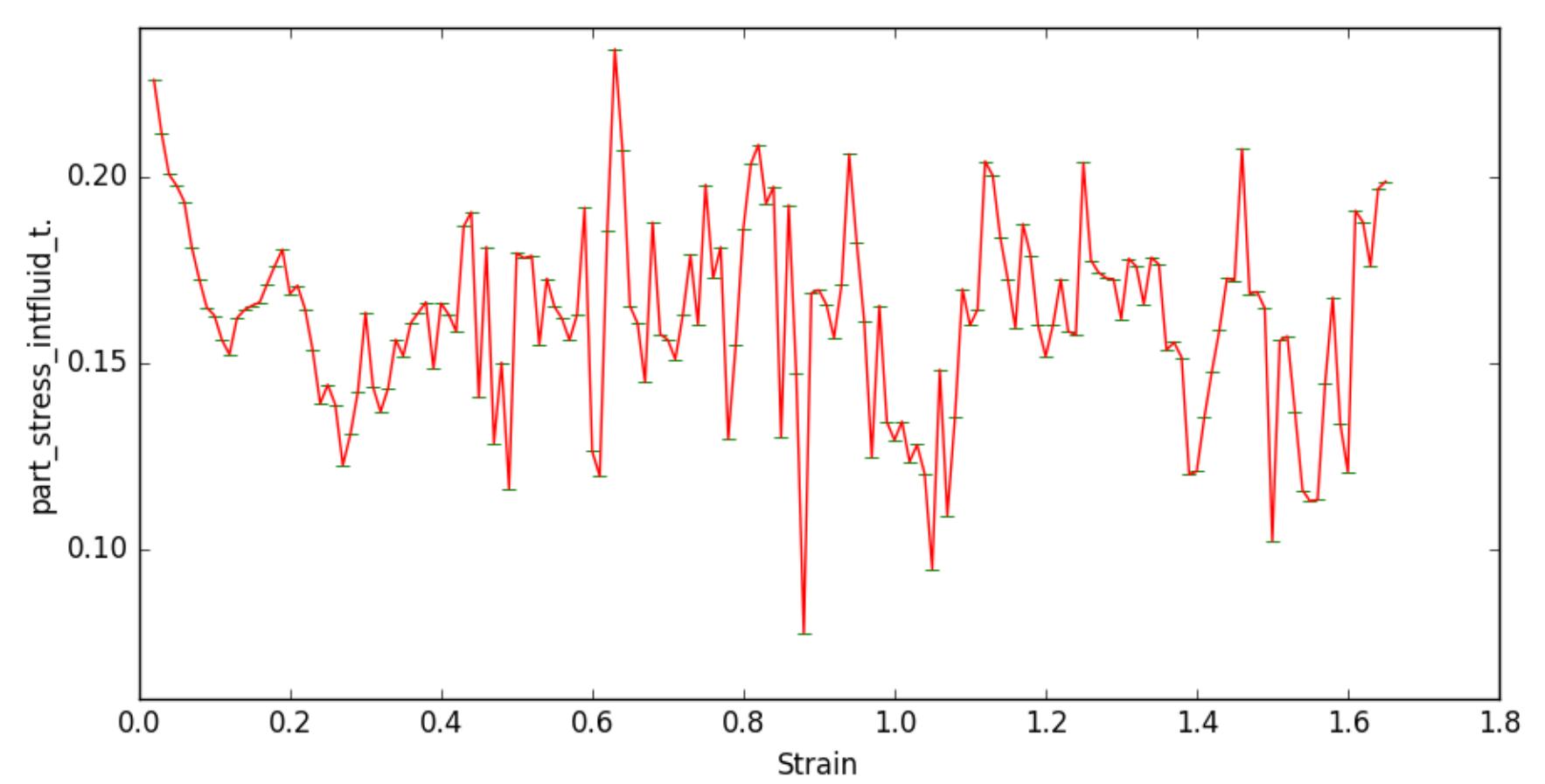
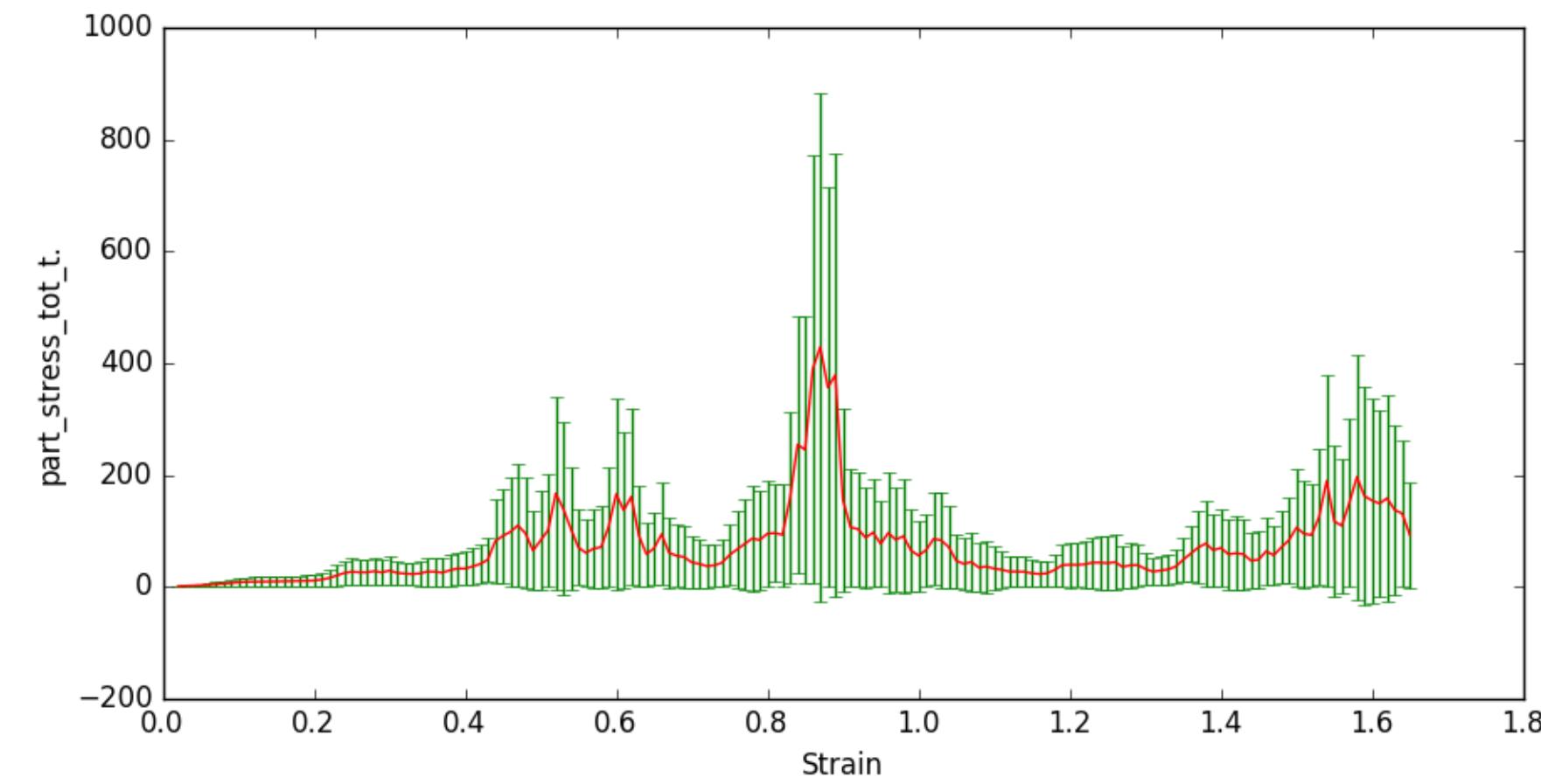


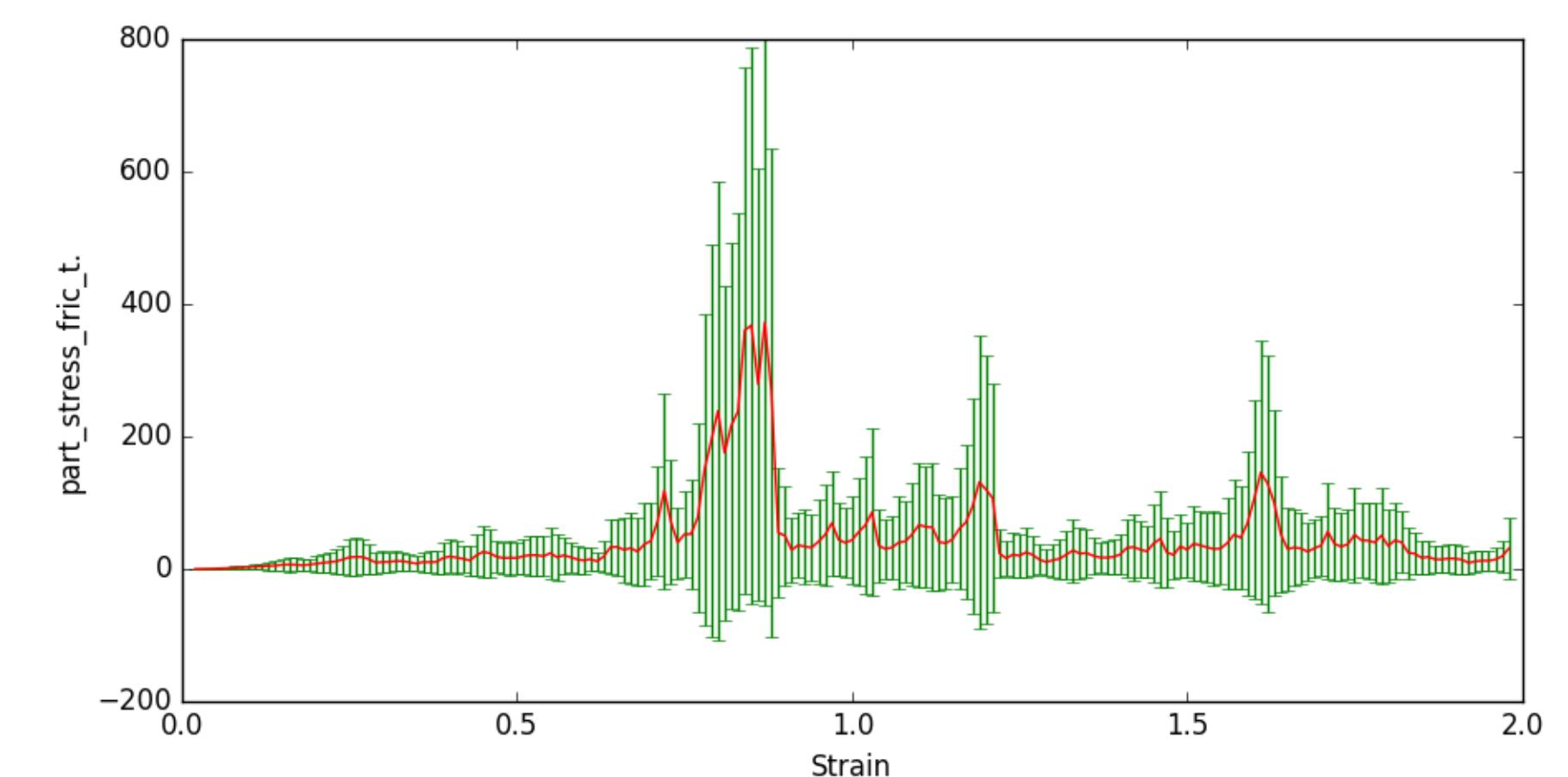
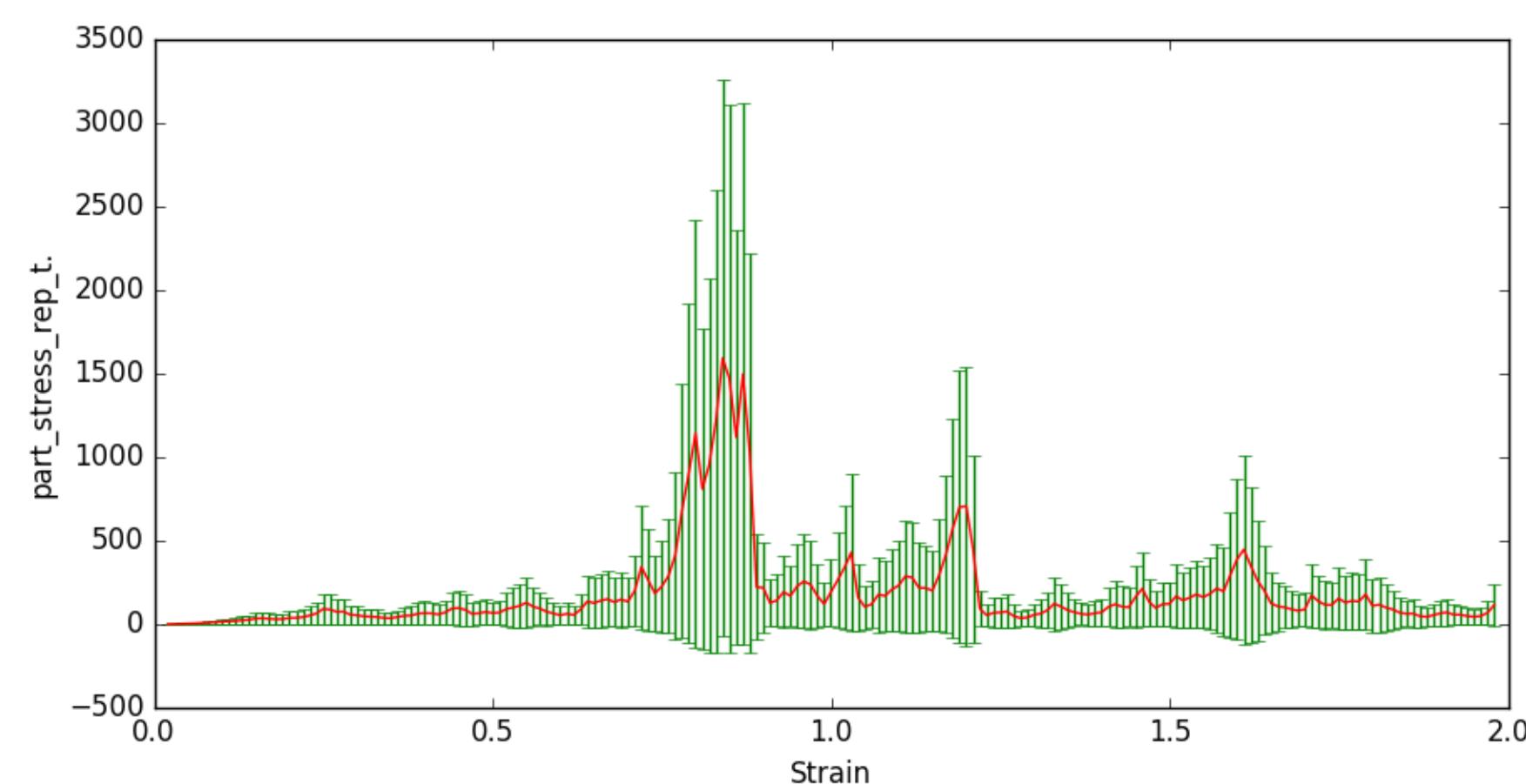
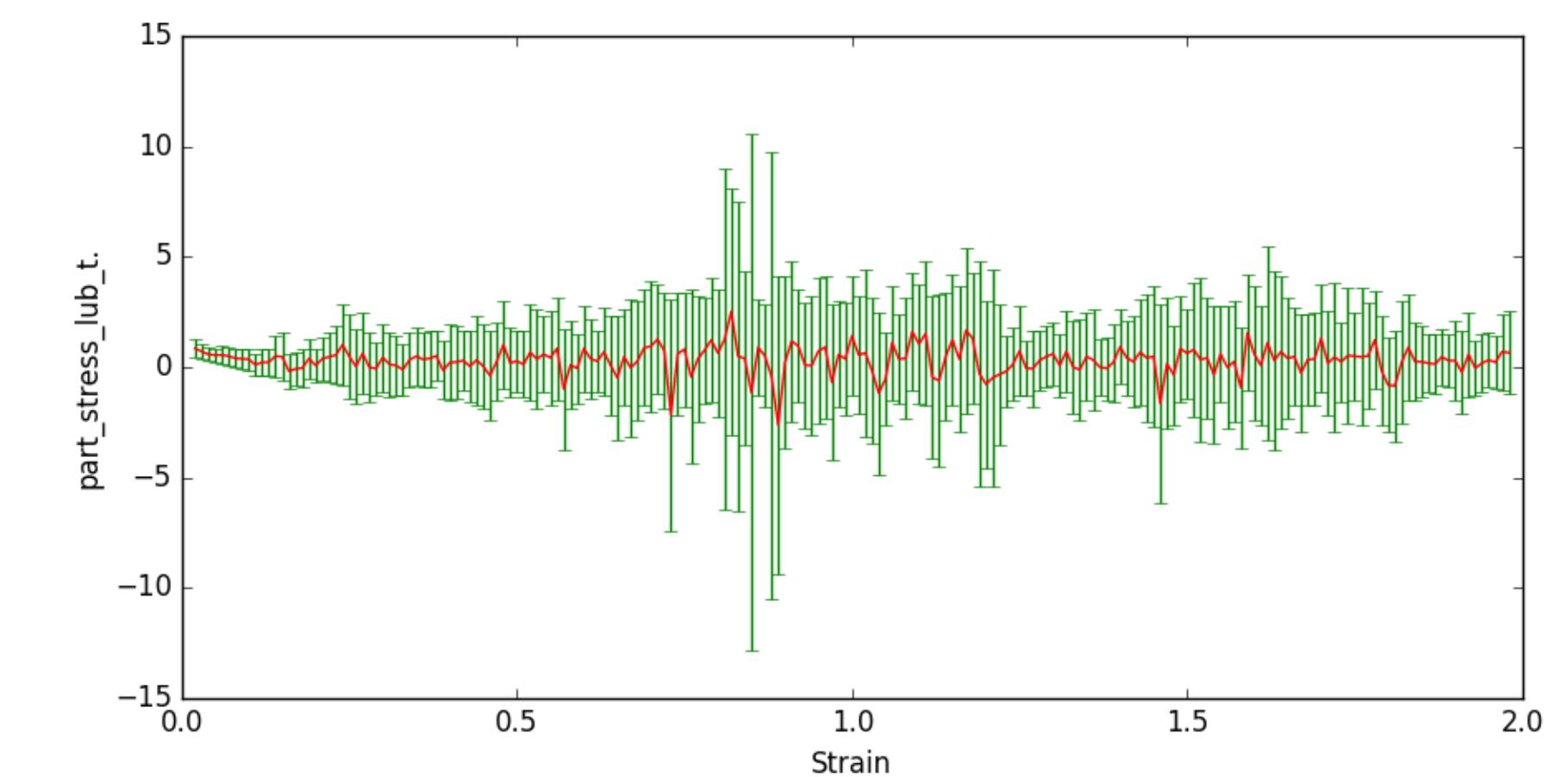
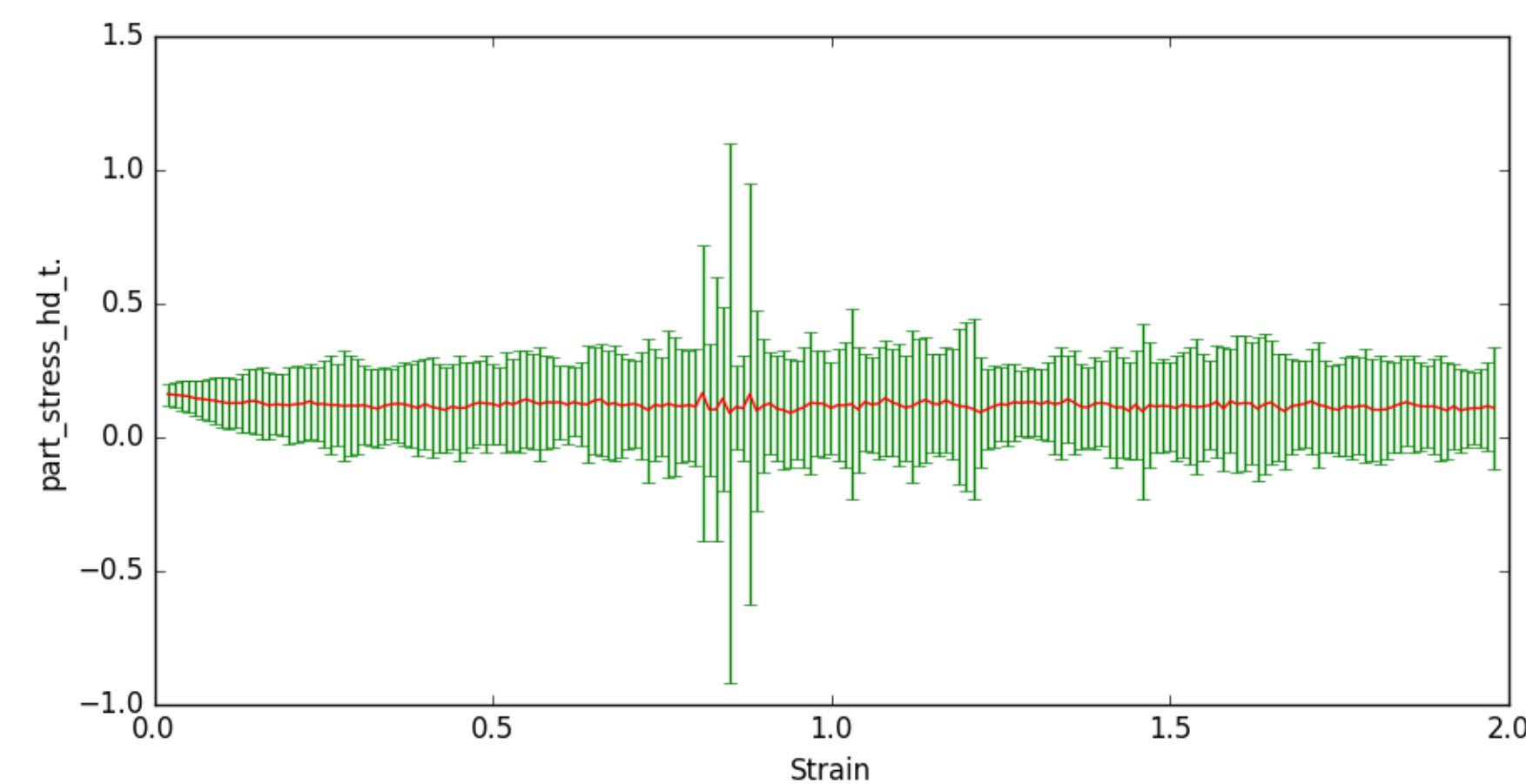
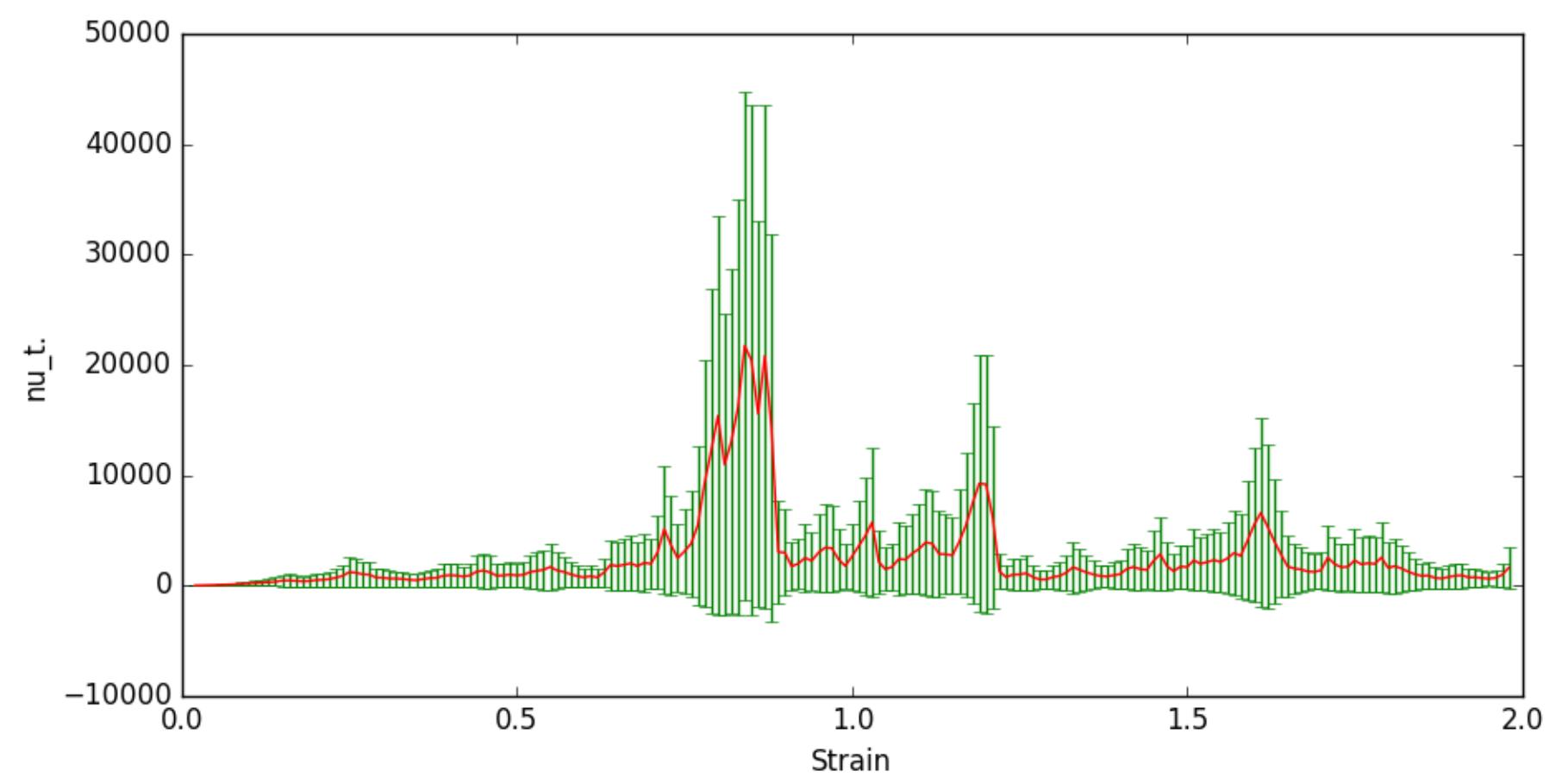
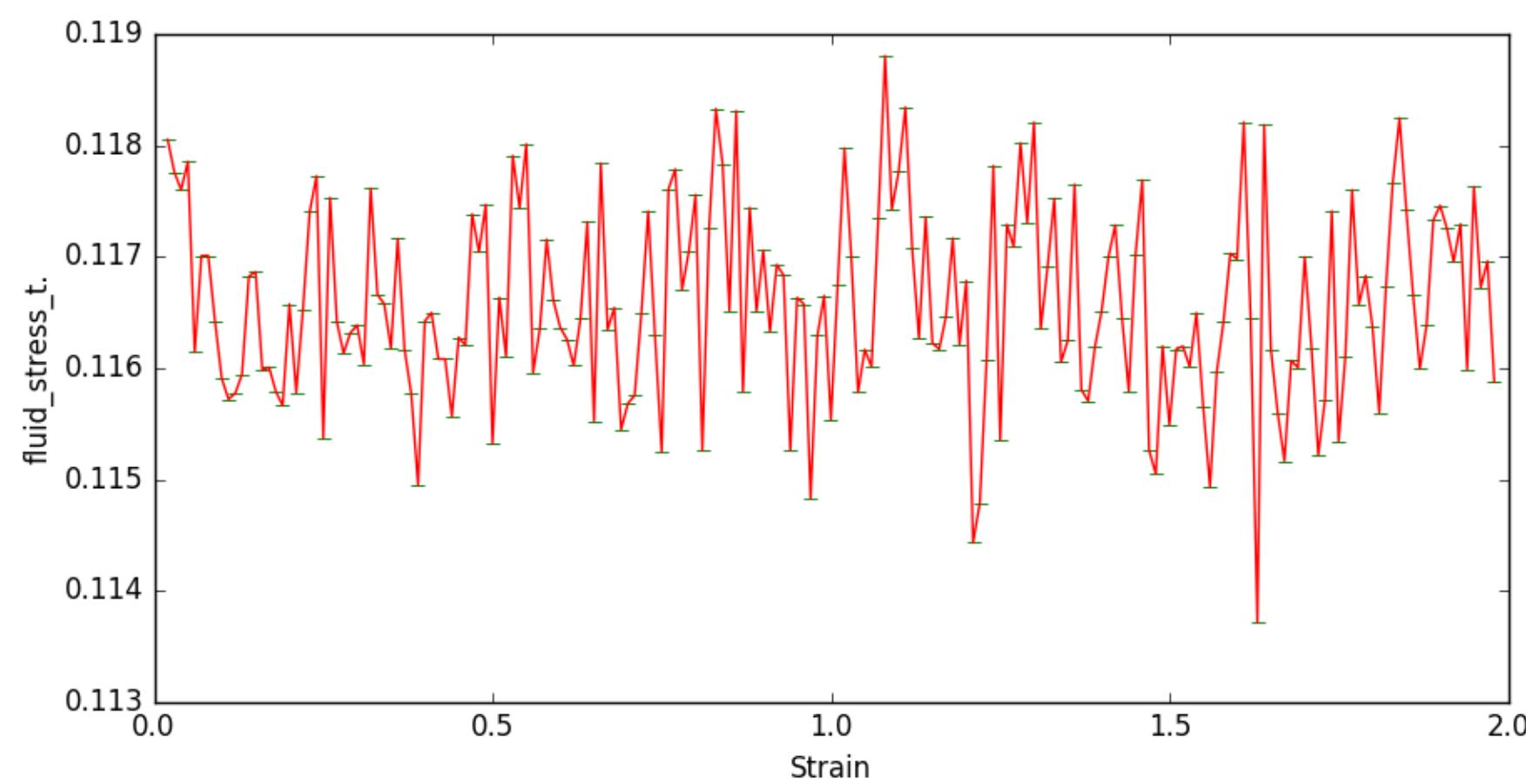
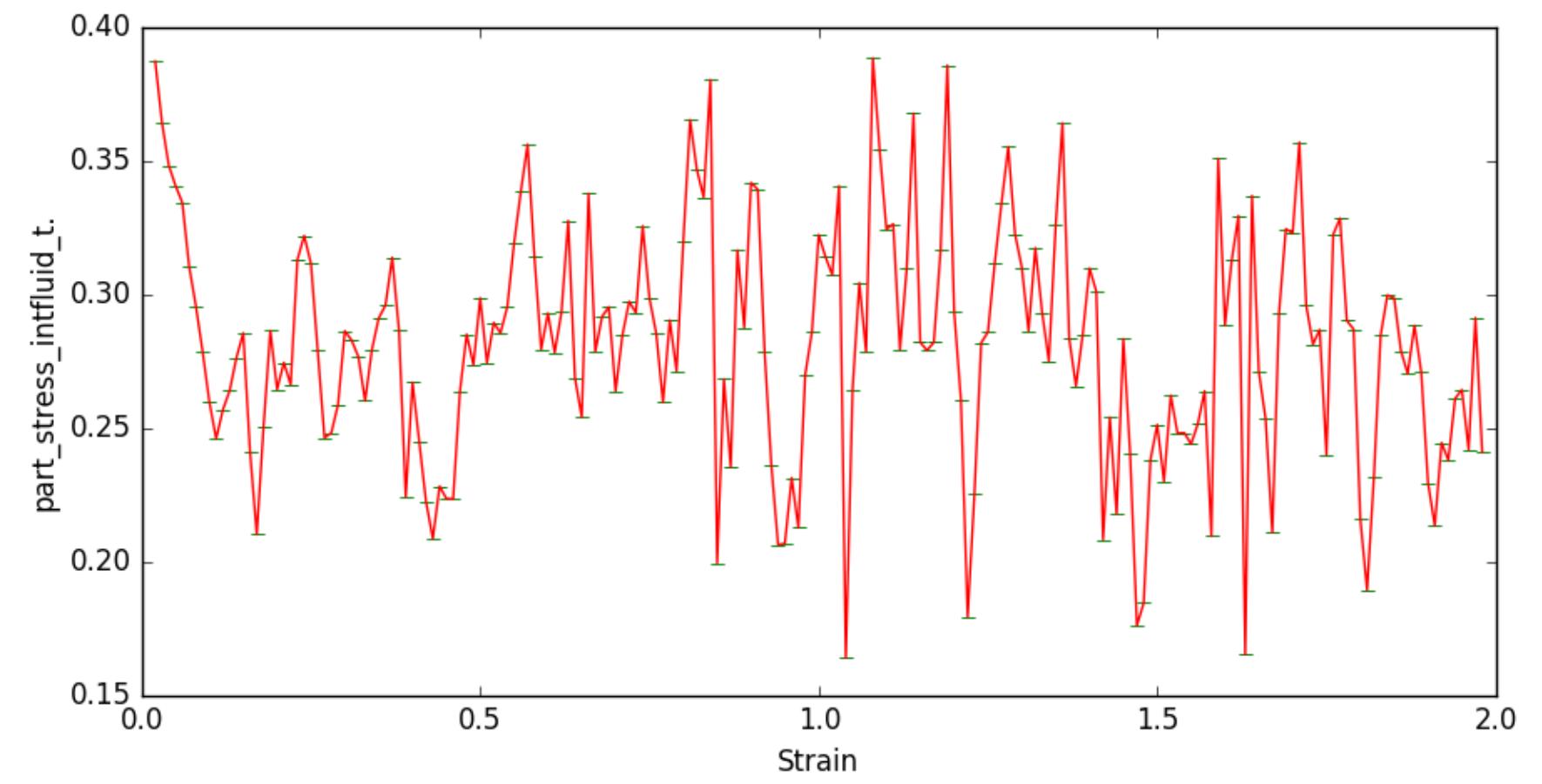
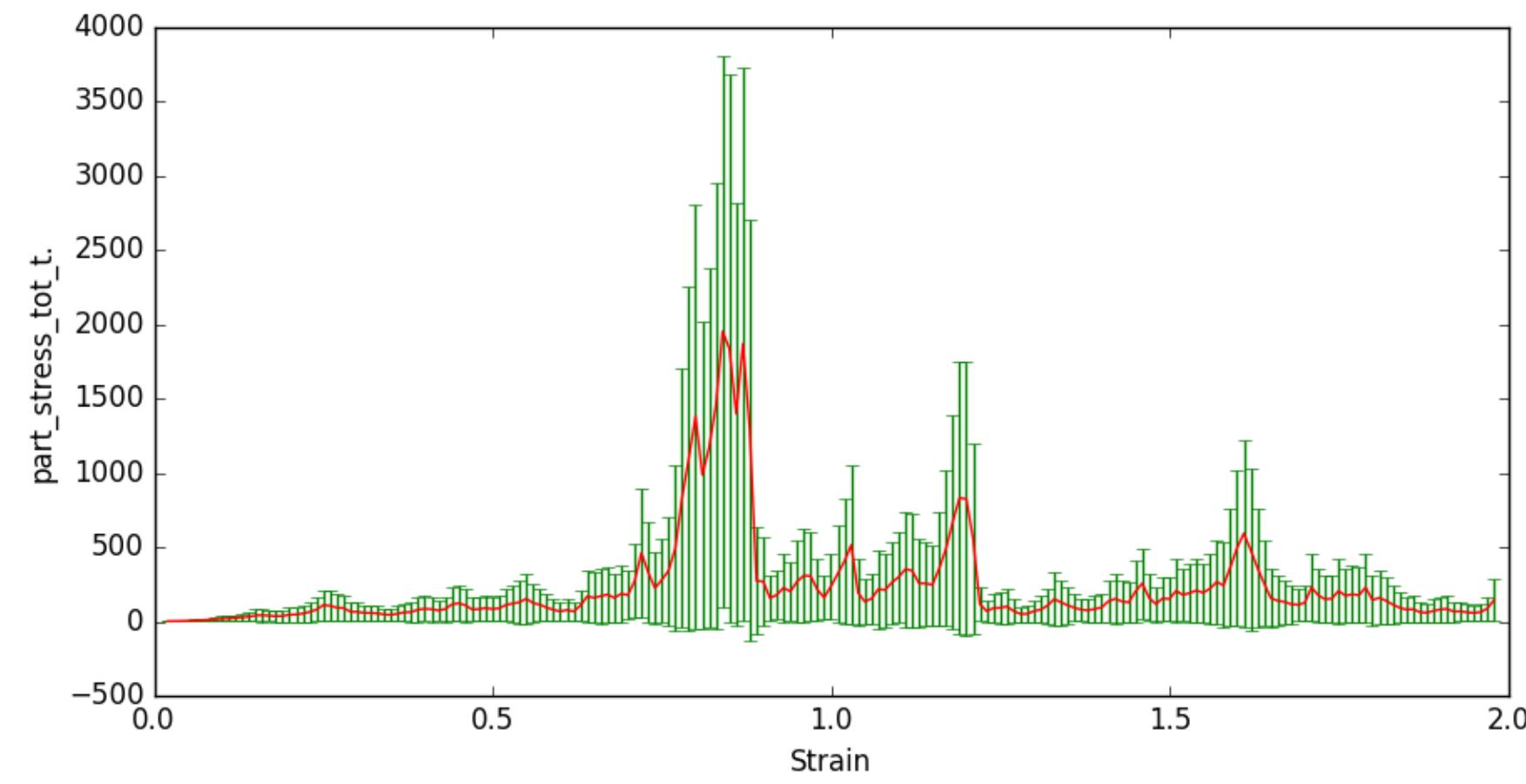


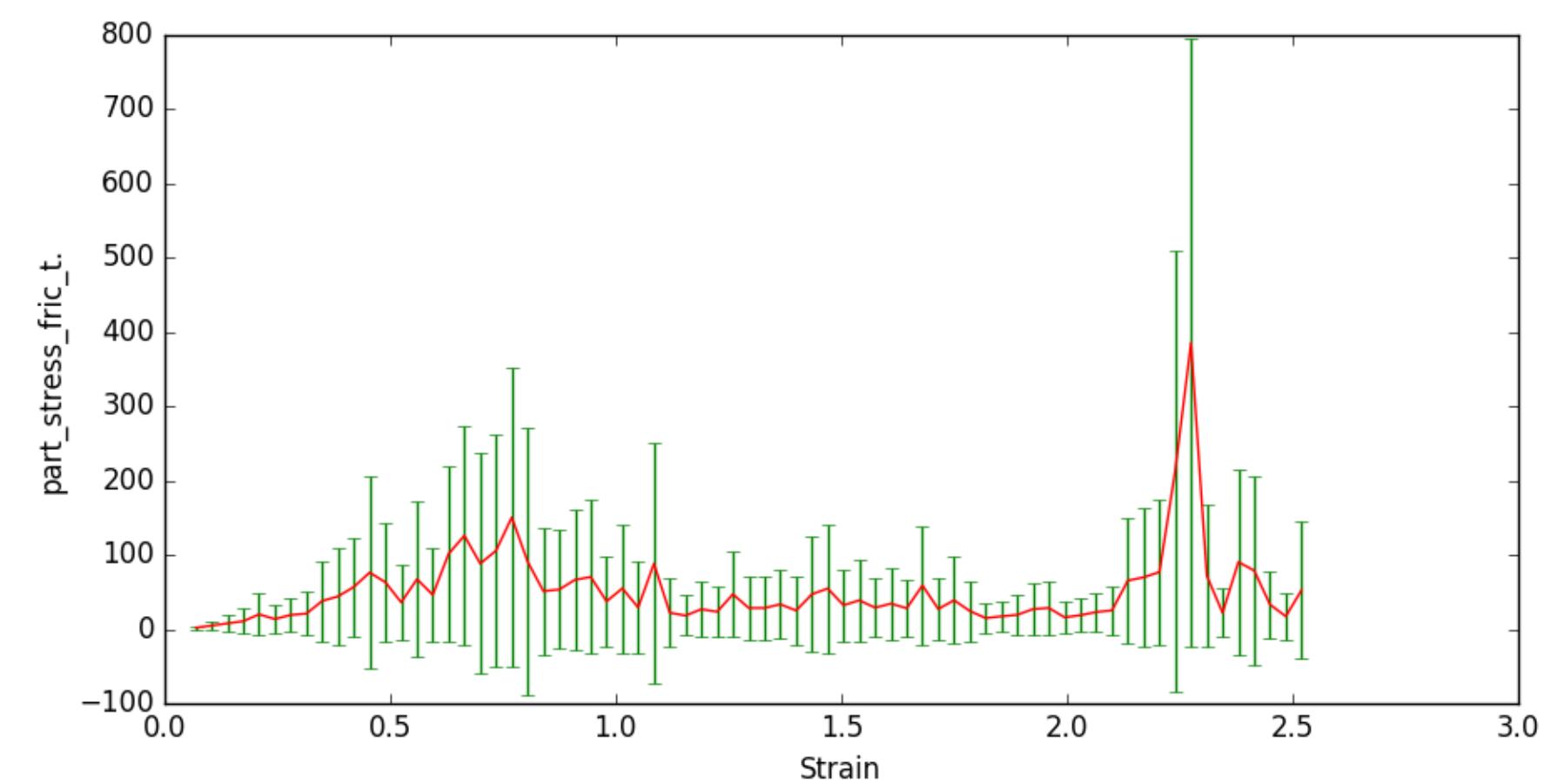
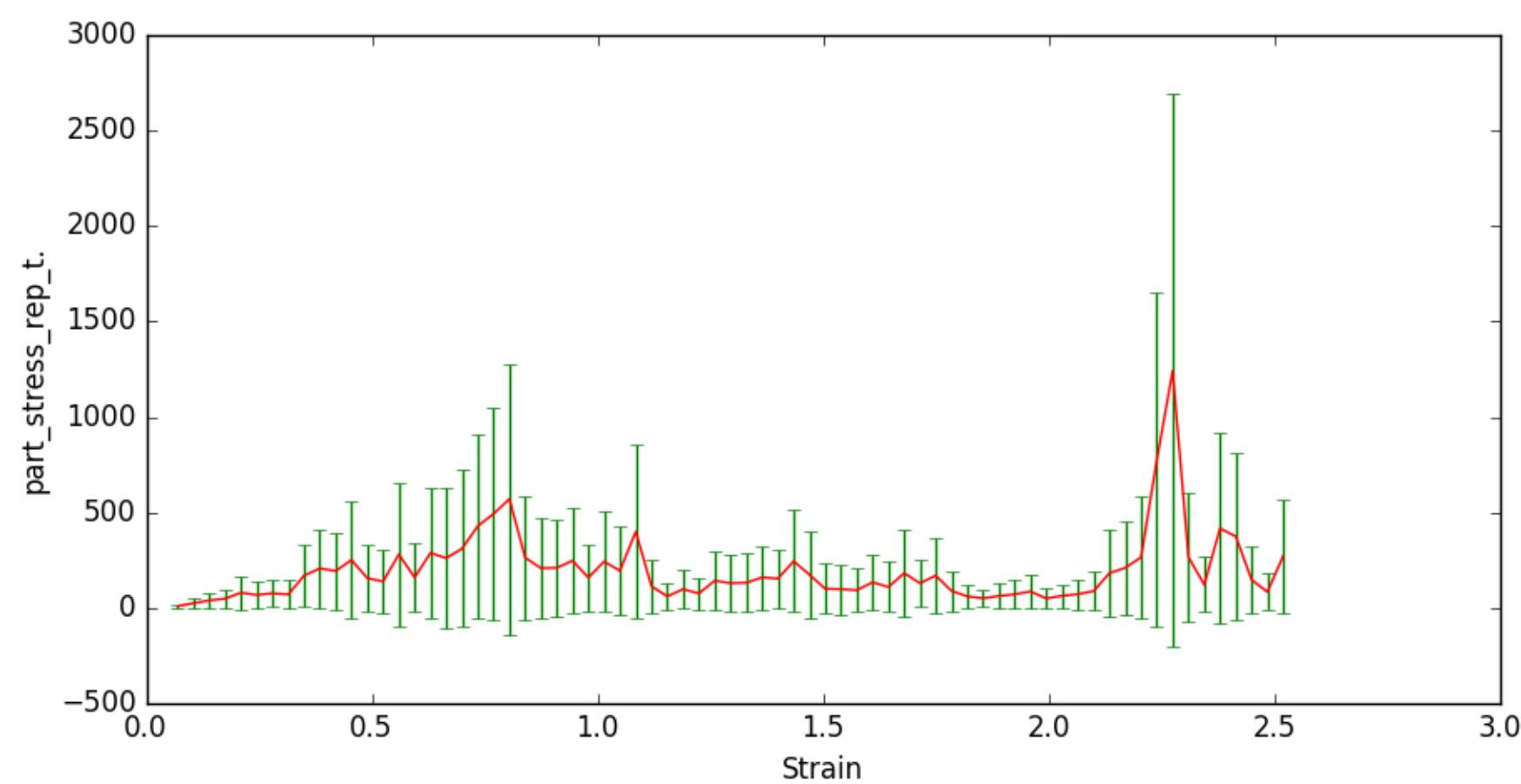
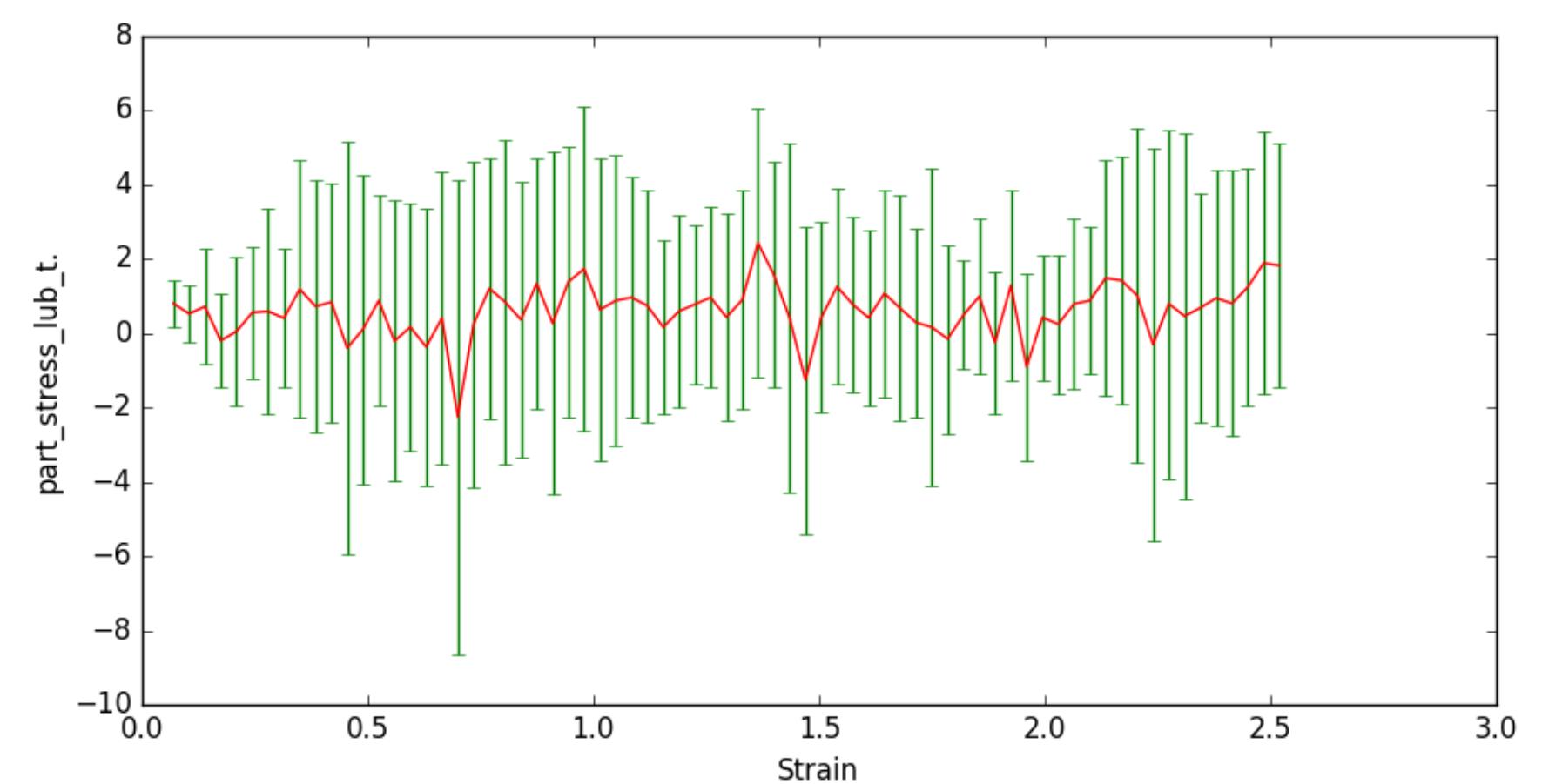
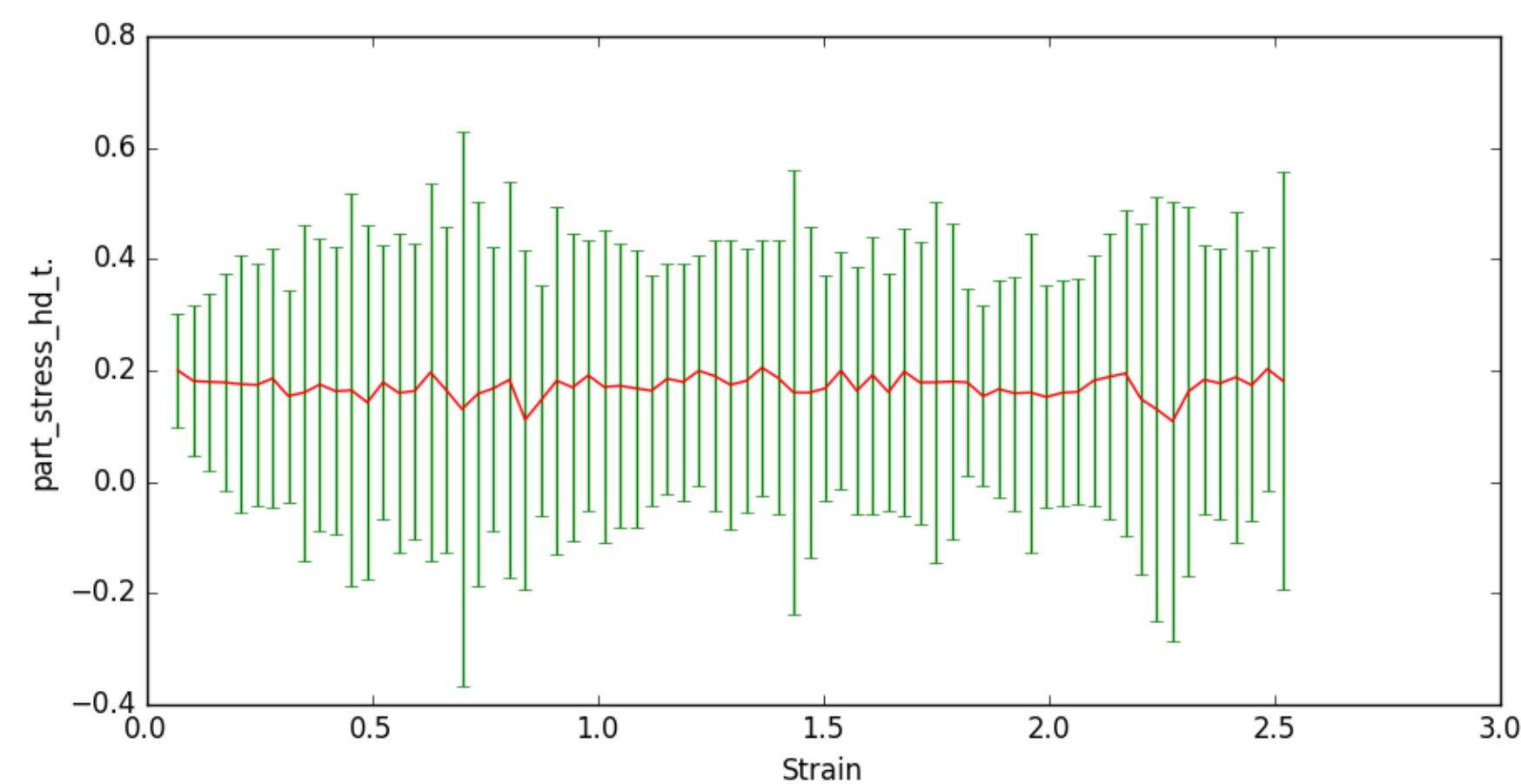
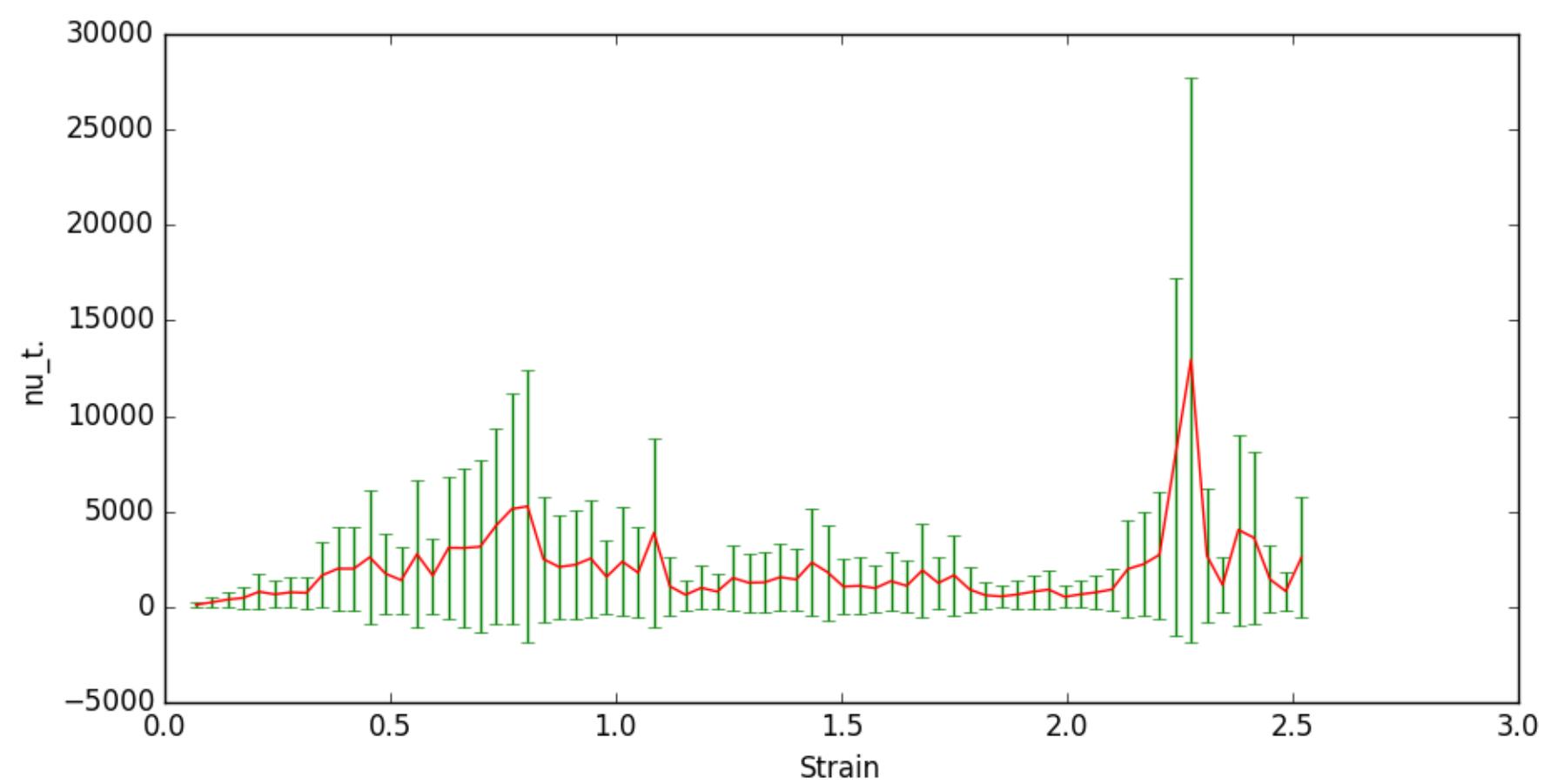
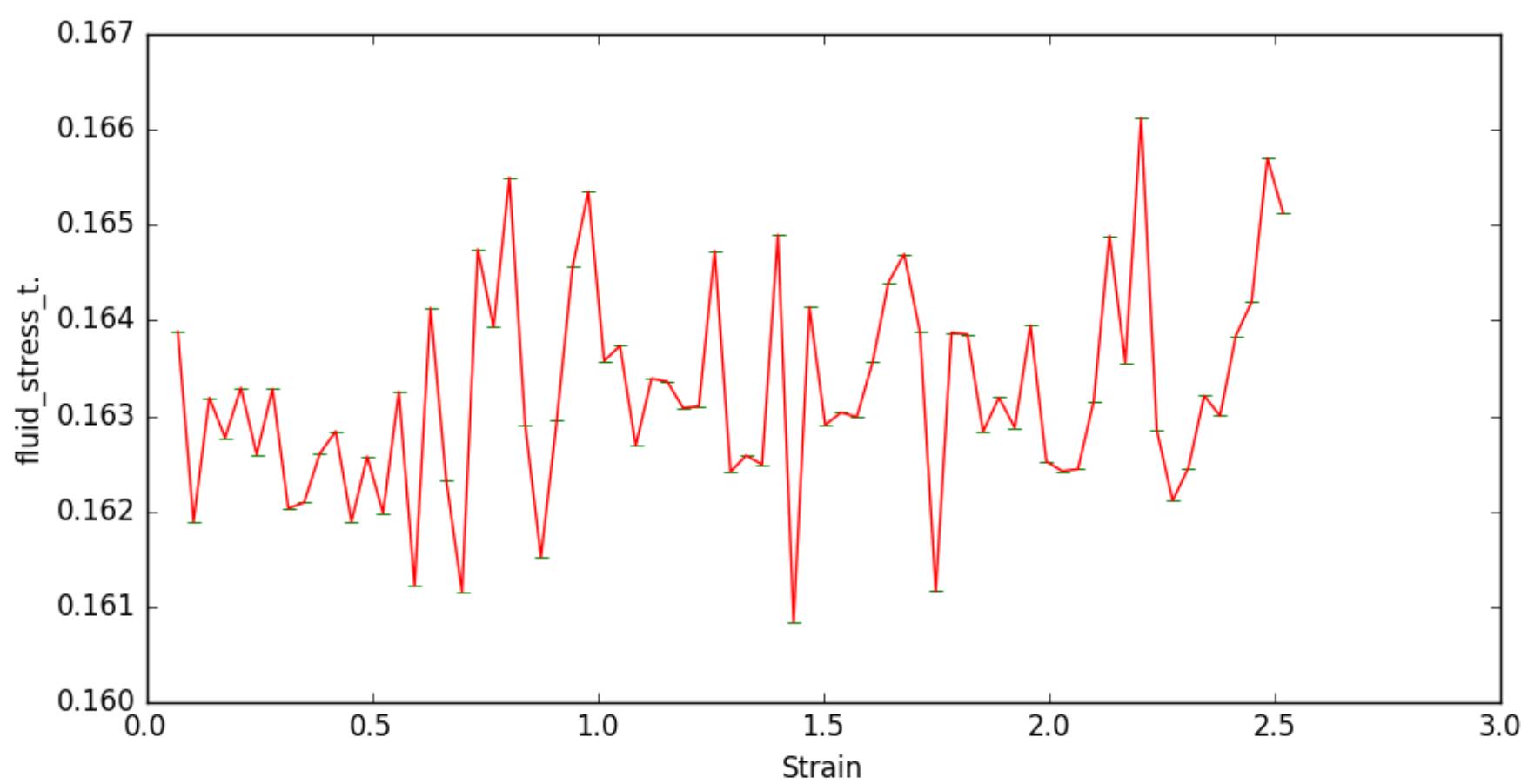
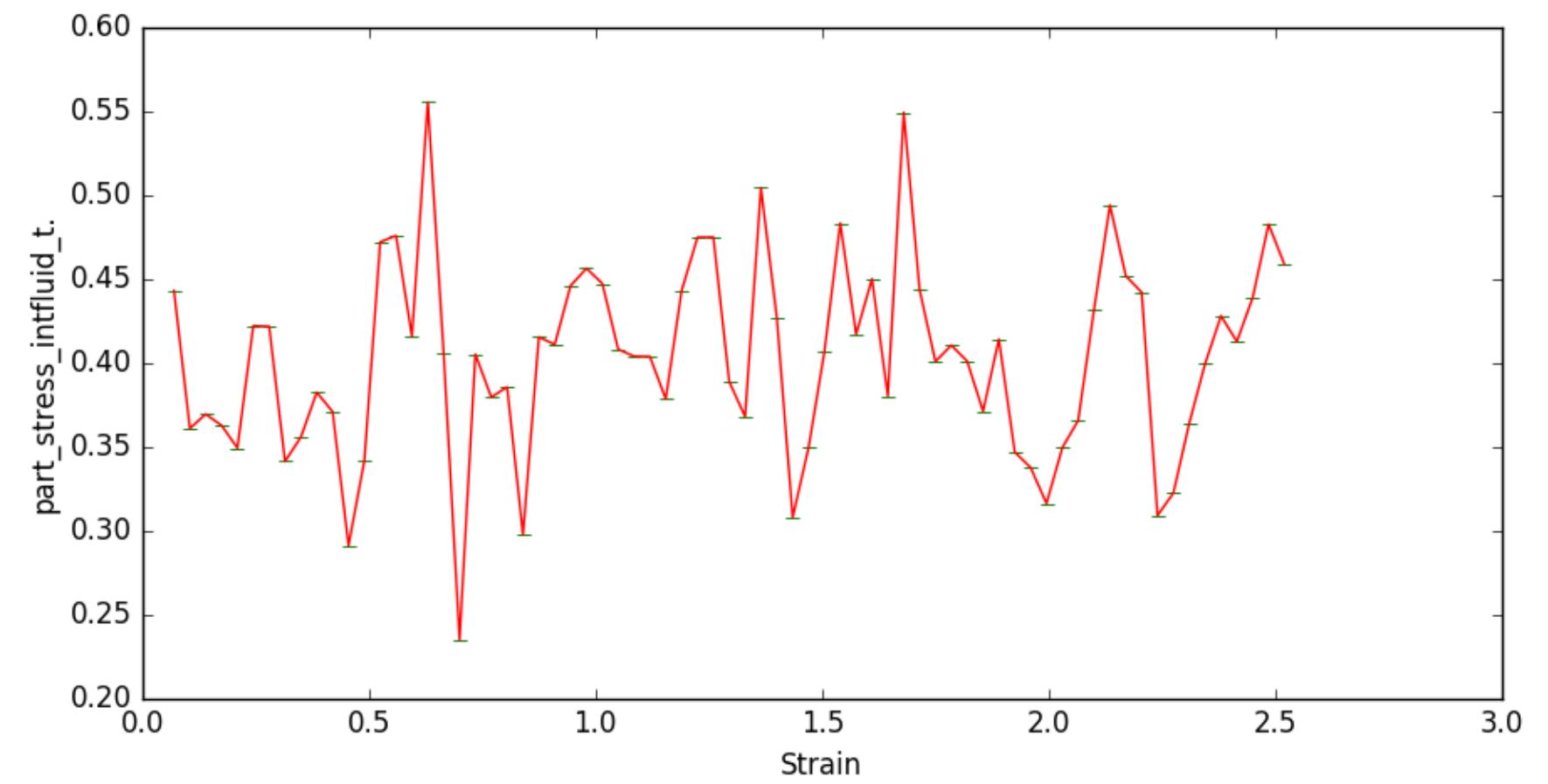
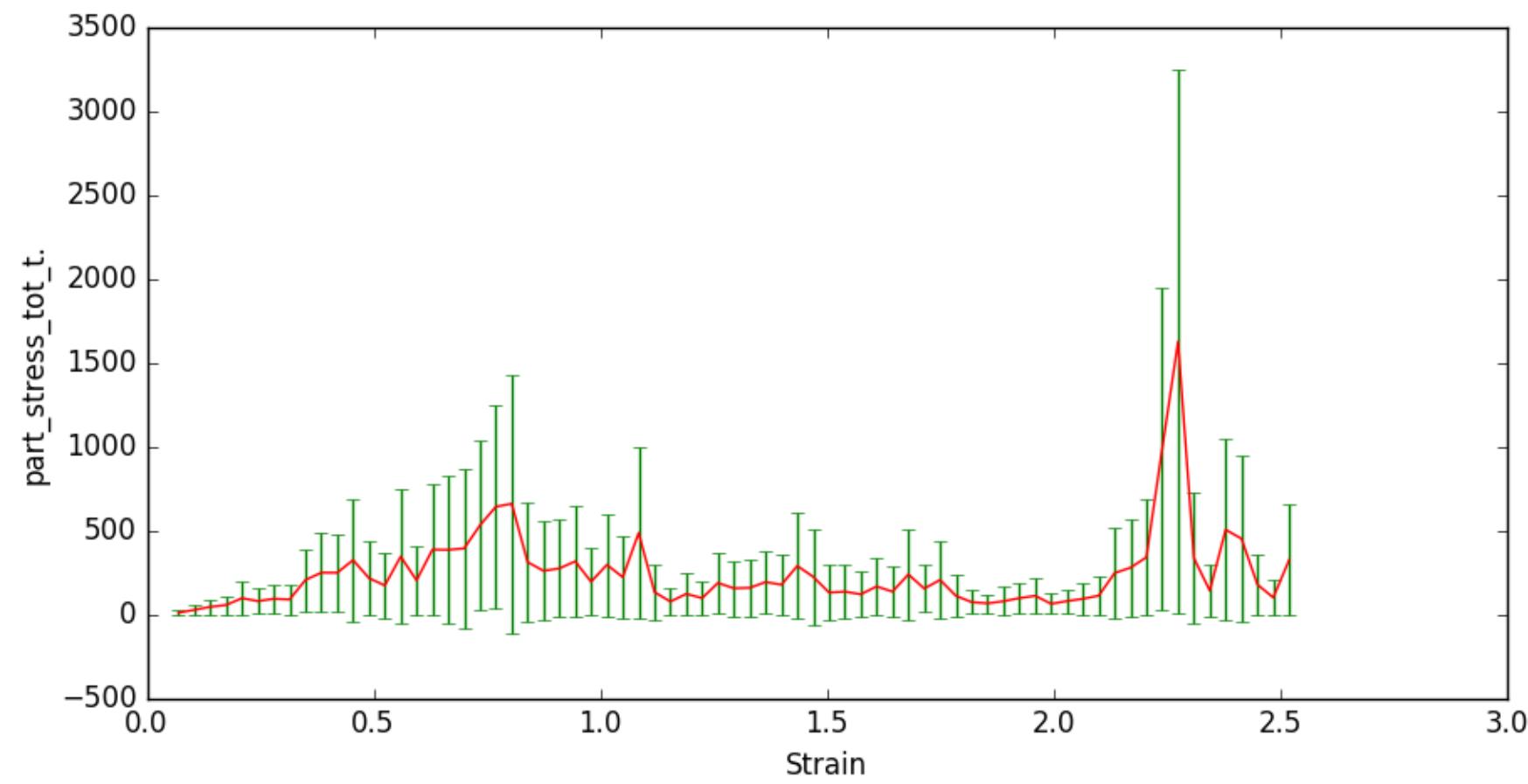


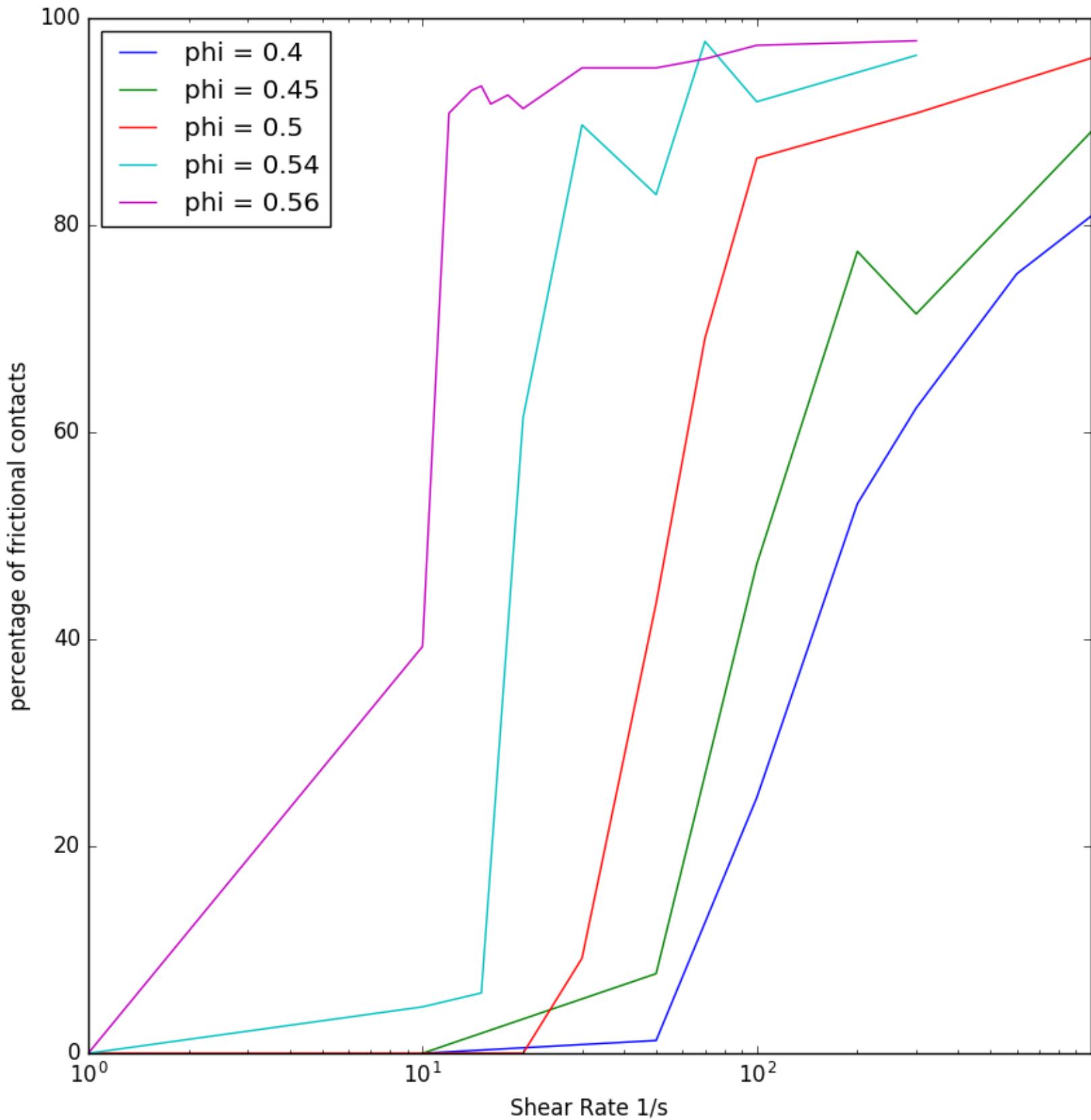


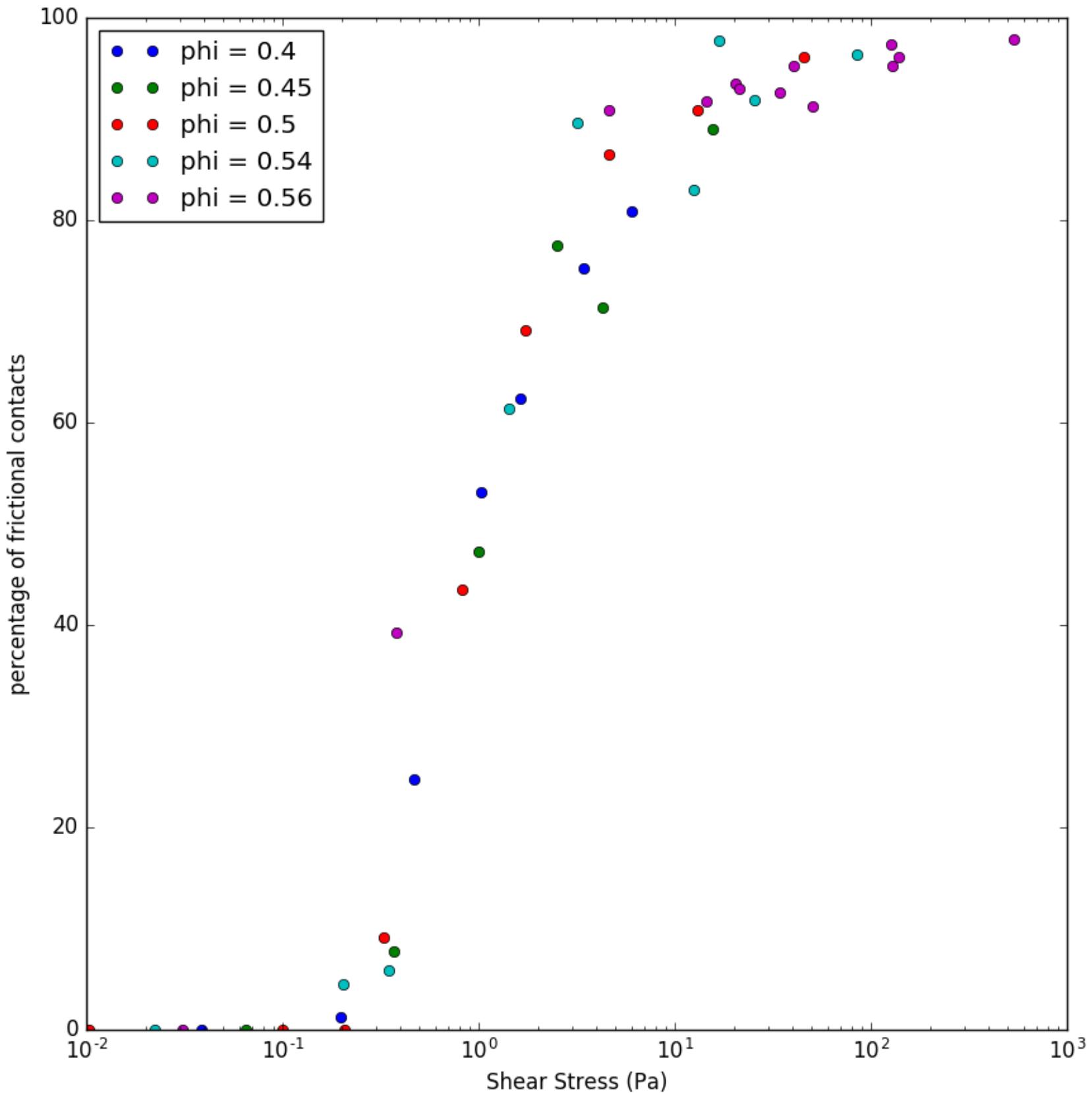




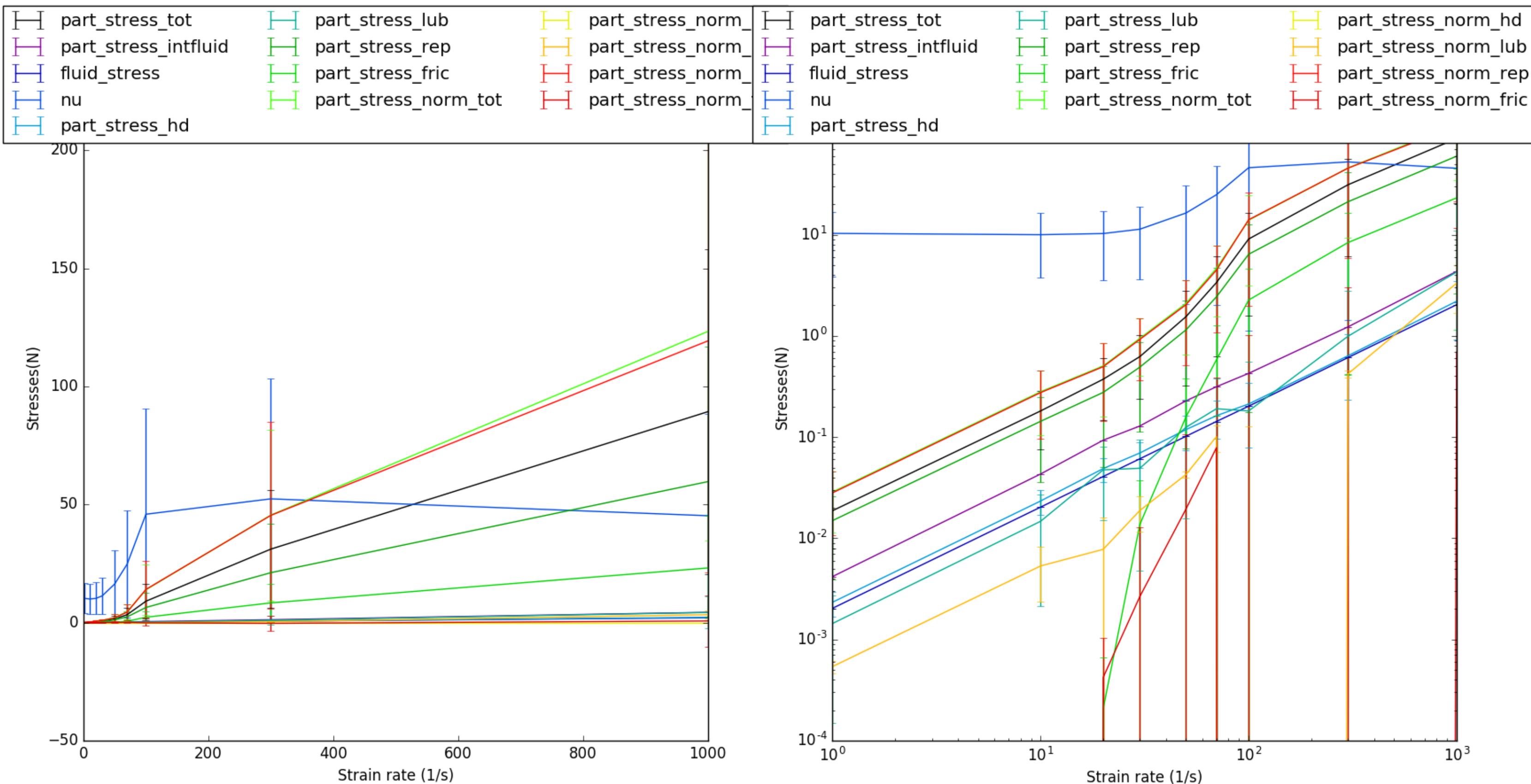




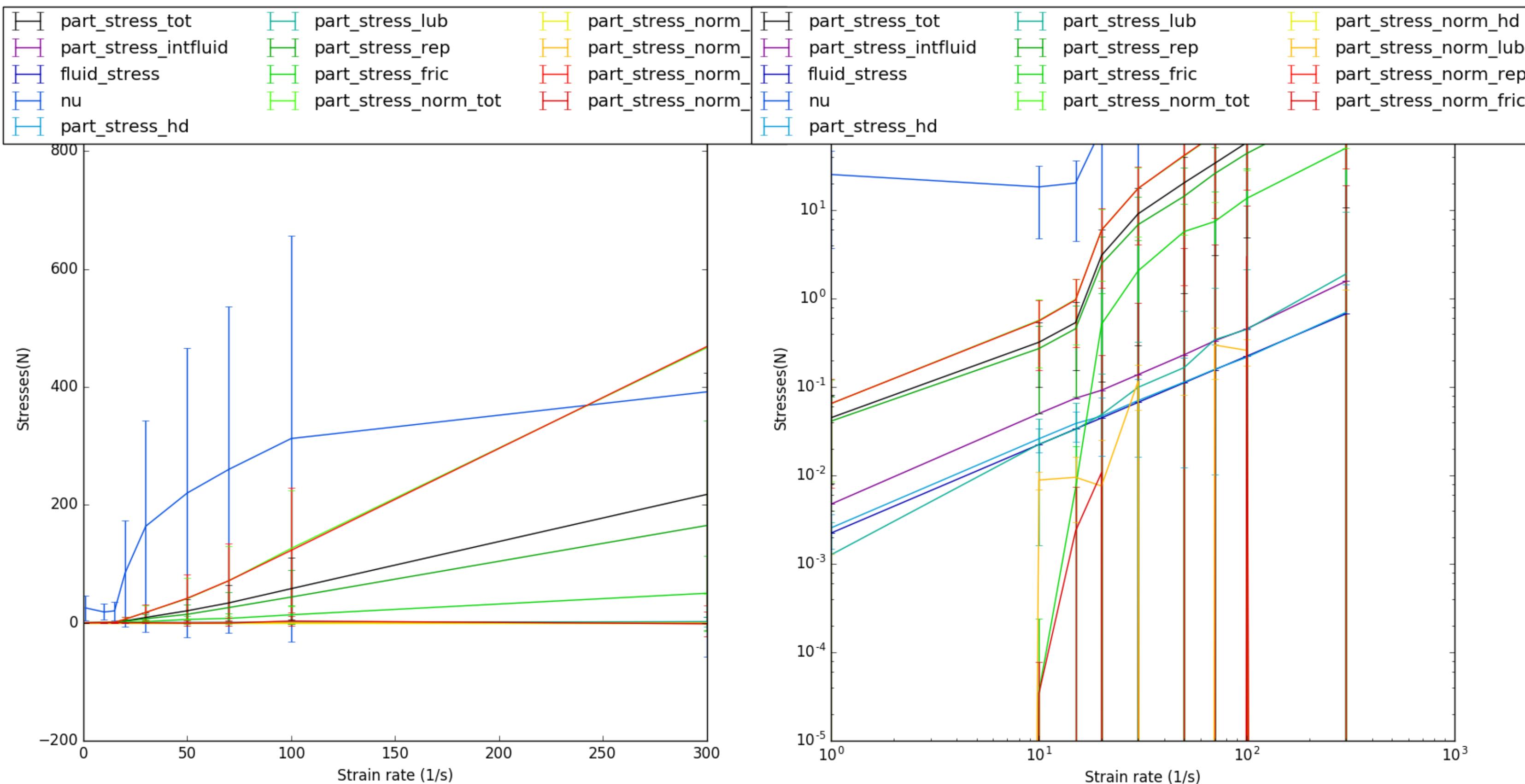




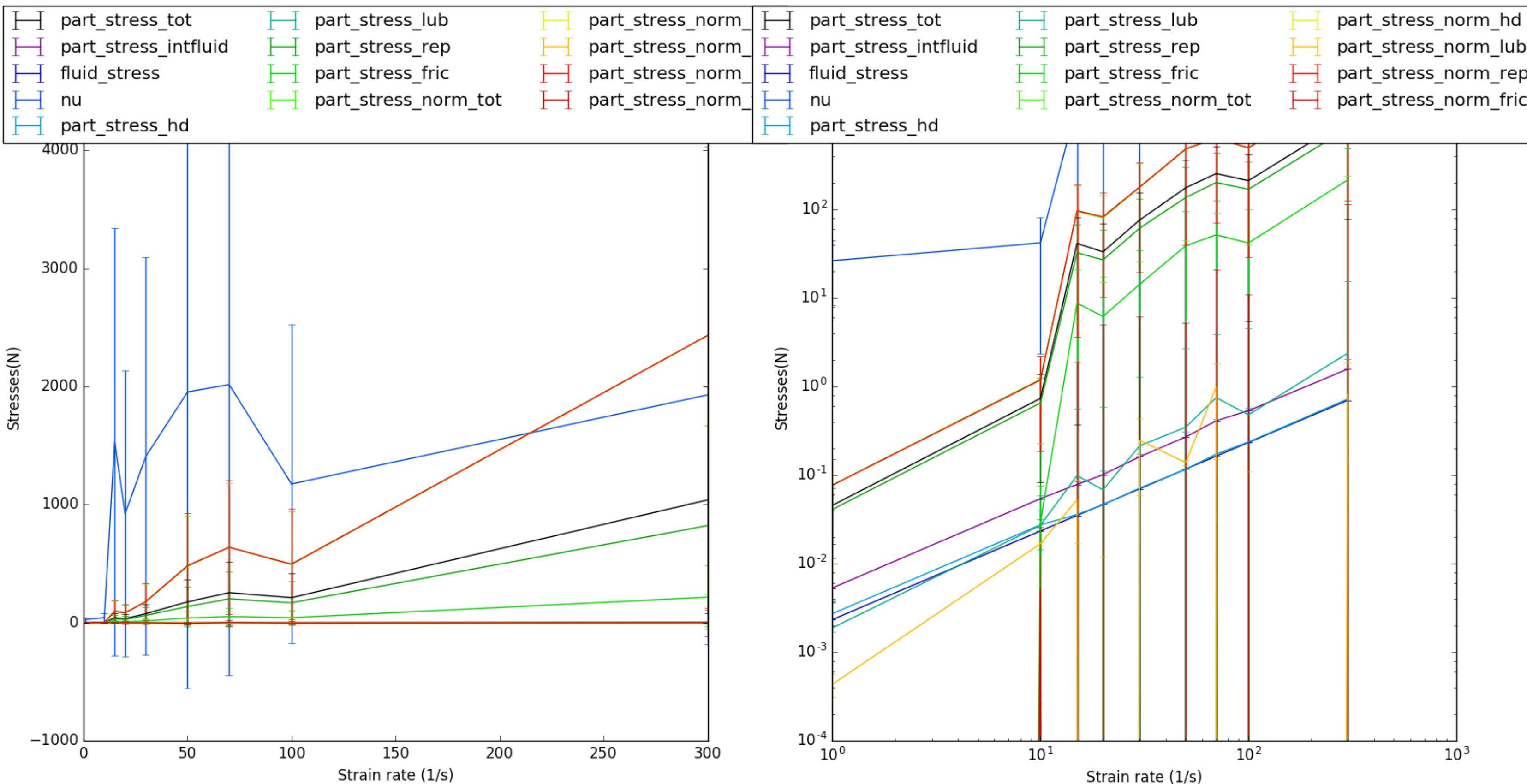
Stress evolution over shear rate for phi=50 ---- left(linear Scale), Right(log Scale)



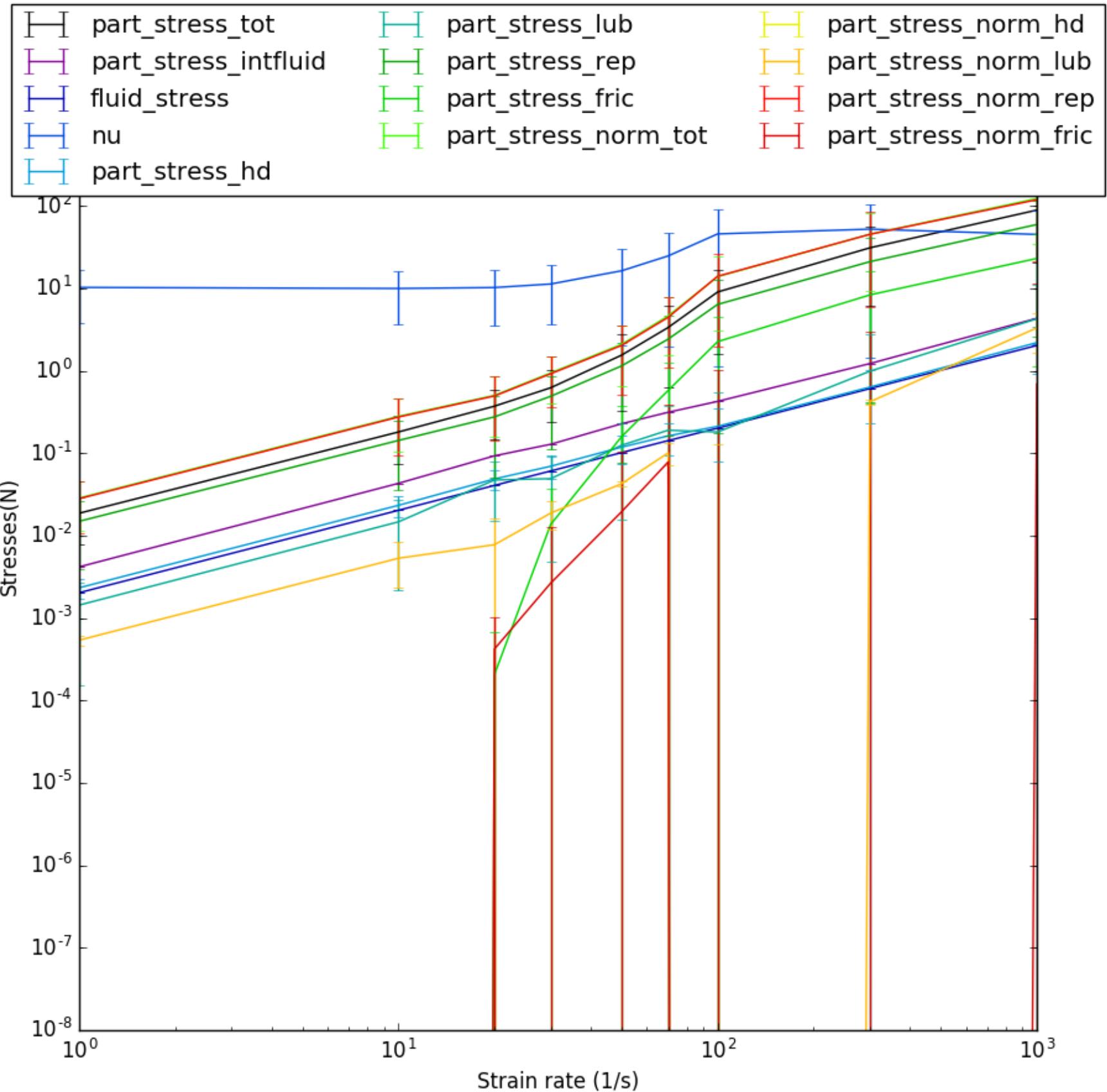
Stress evolution over shear rate for phi=54 ---- left(linear Scale), Right(log Scale)



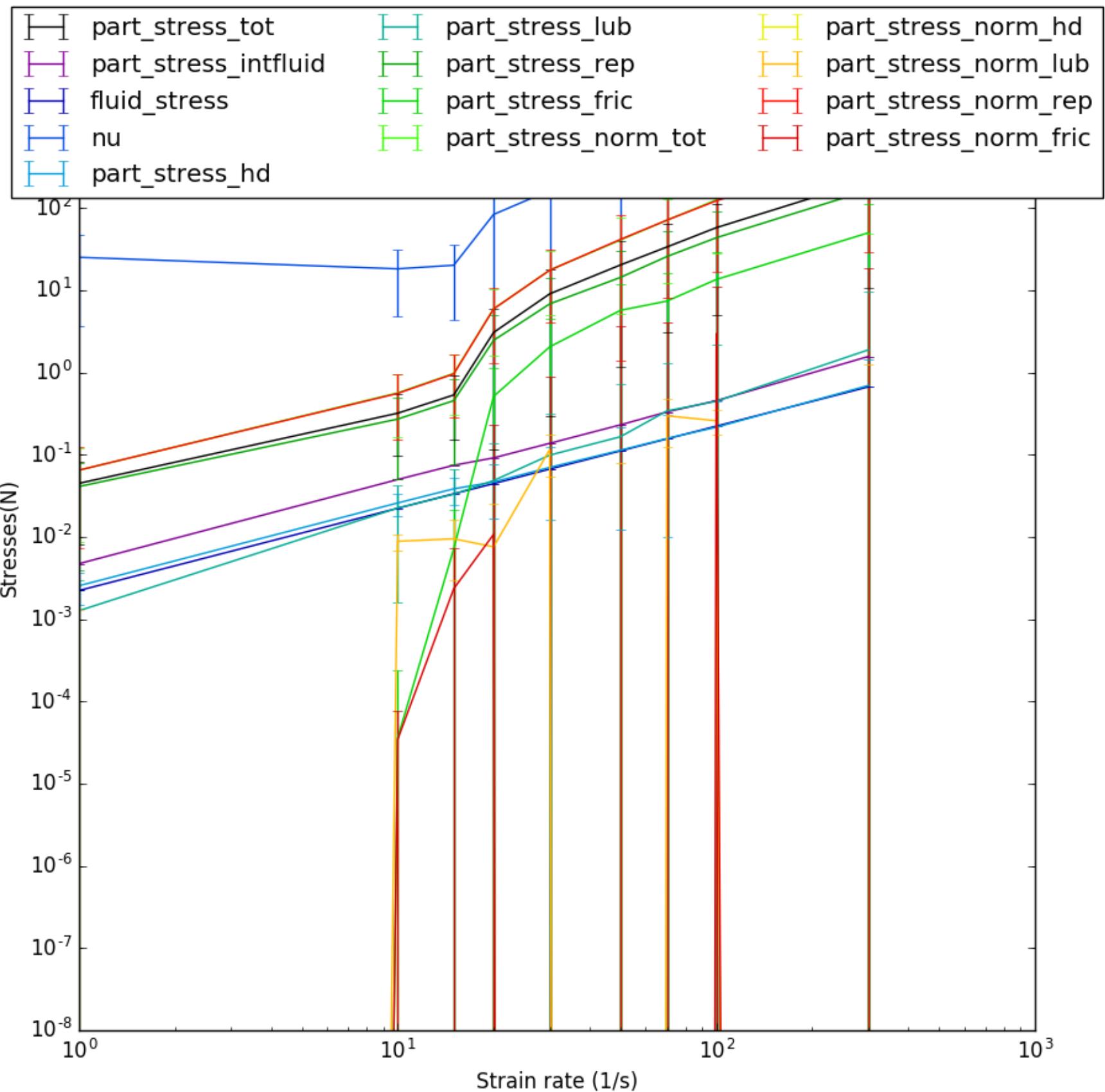
Stress evolution over shear rate for phi=56 ---- left(linear Scale), Right(log Scale)



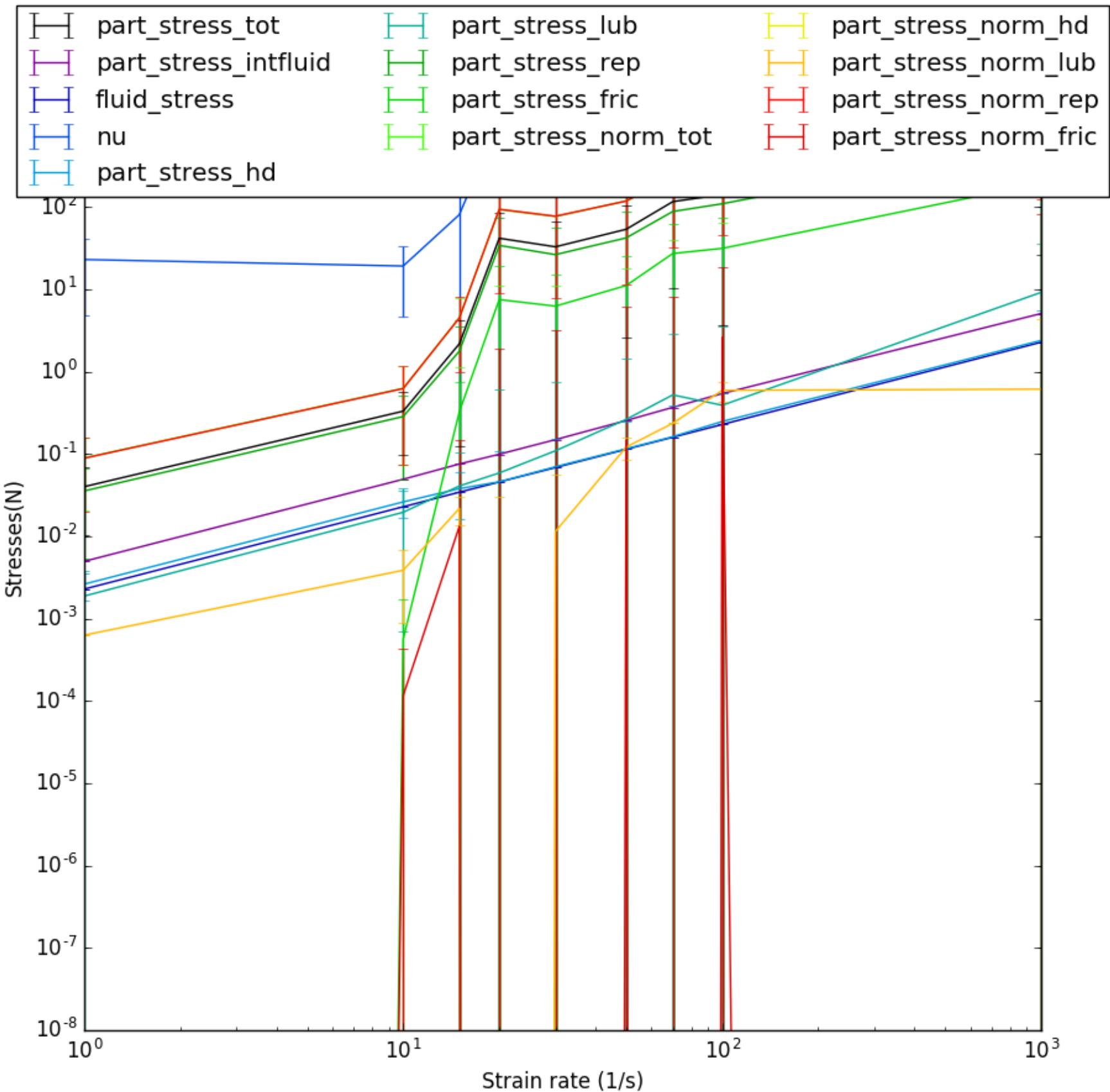
Stress evolution over shear rate for phi=50



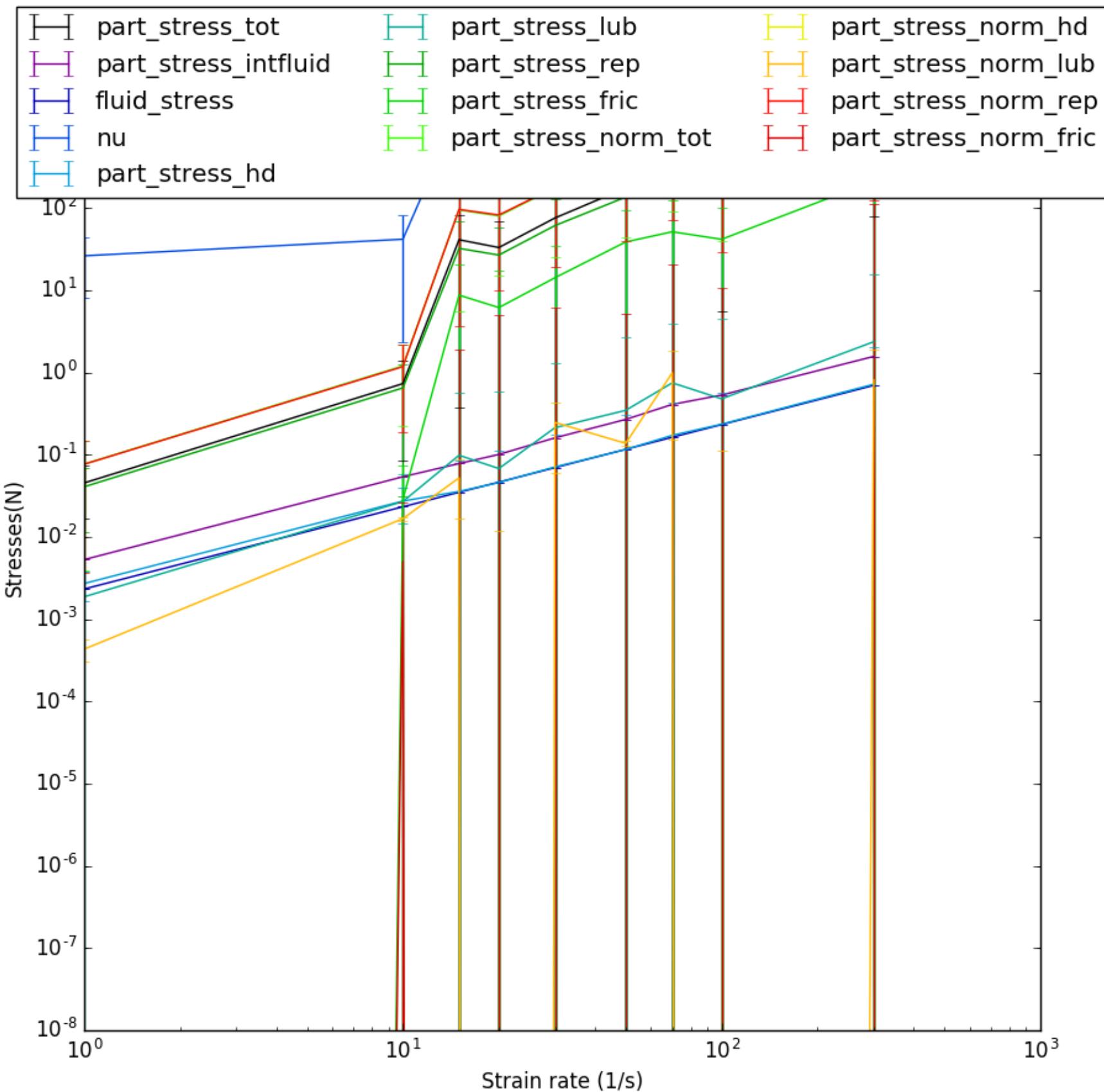
Stress evolution over shear rate for phi=54



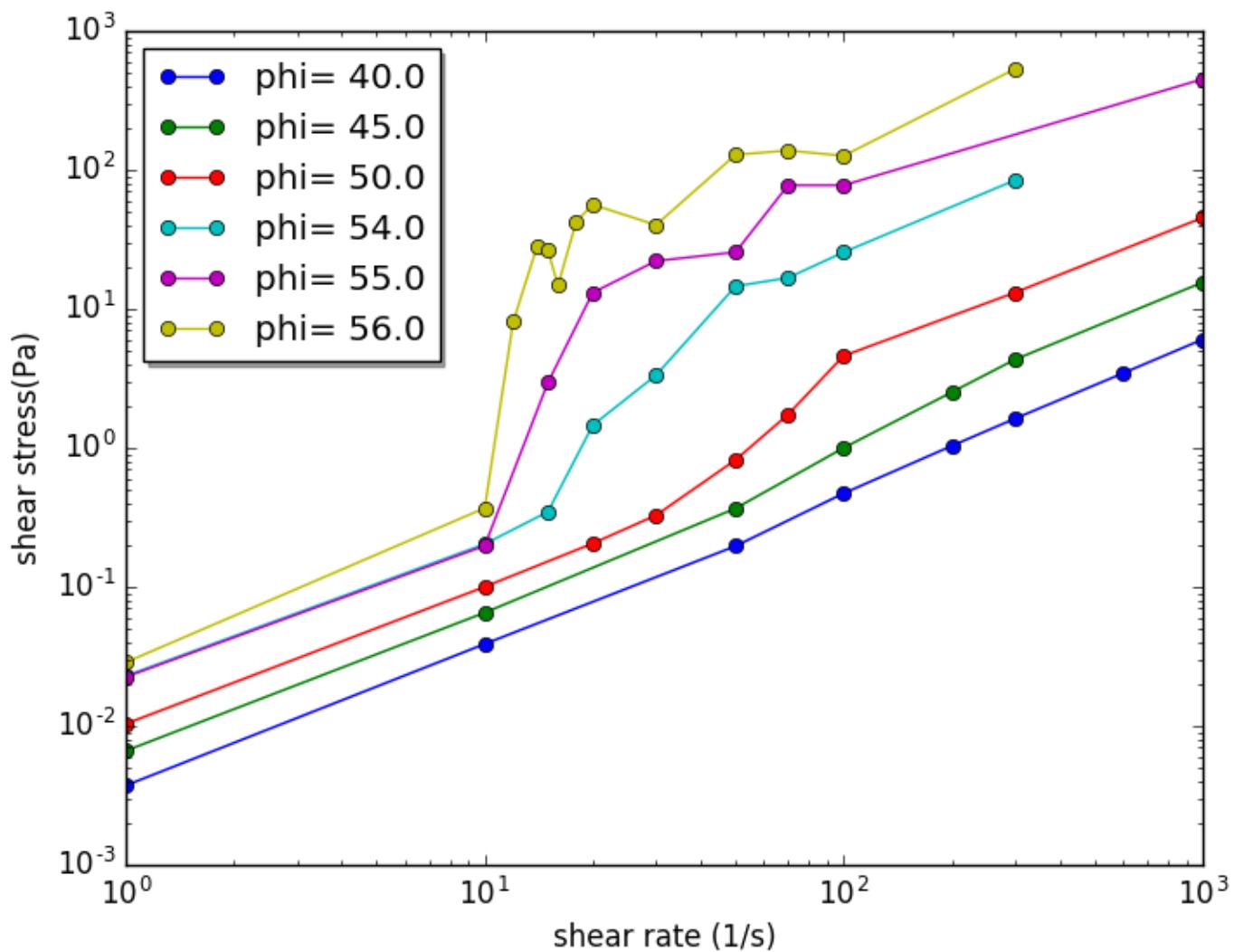
Stress evolution over shear rate for phi=55



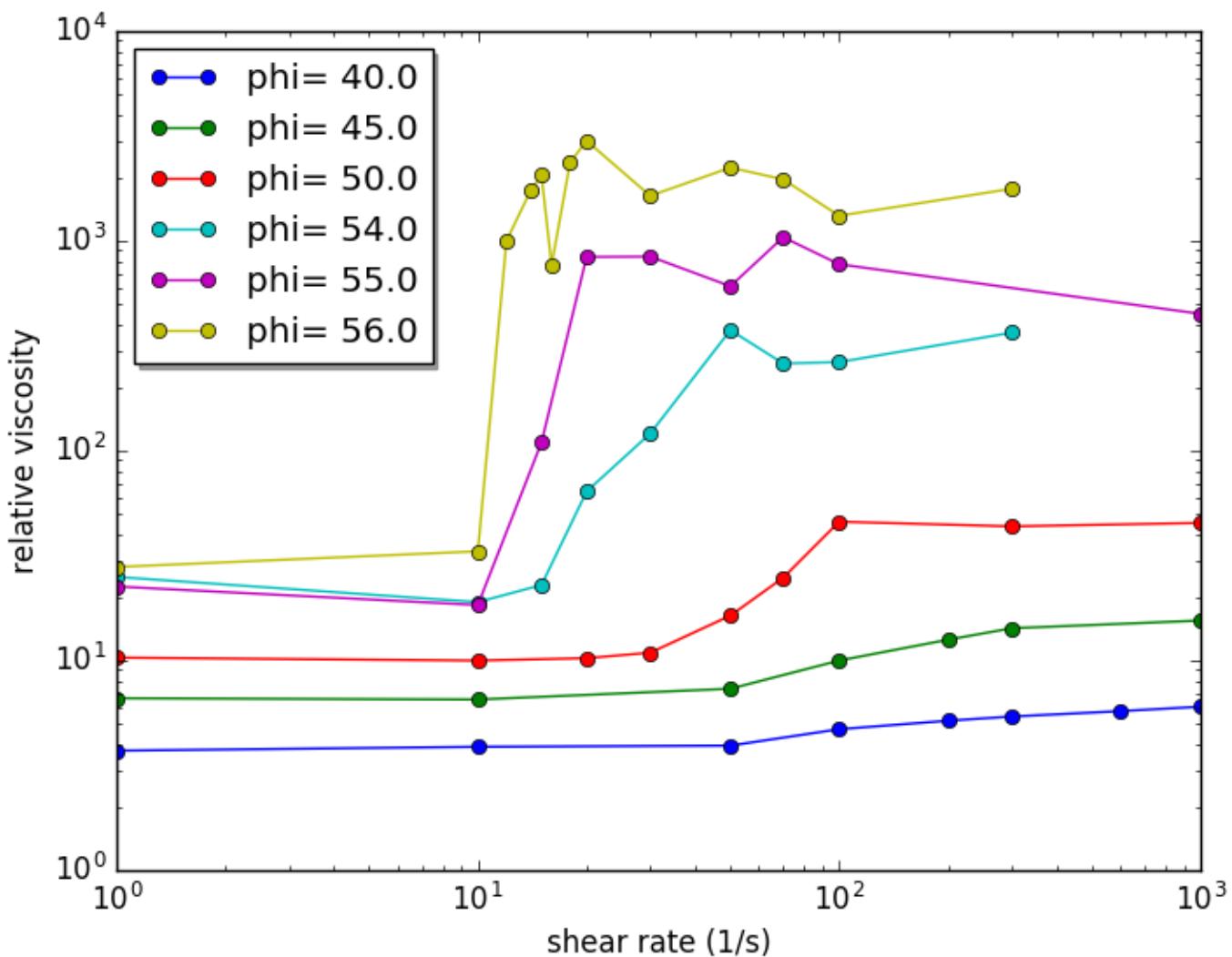
Stress evolution over shear rate for phi=56

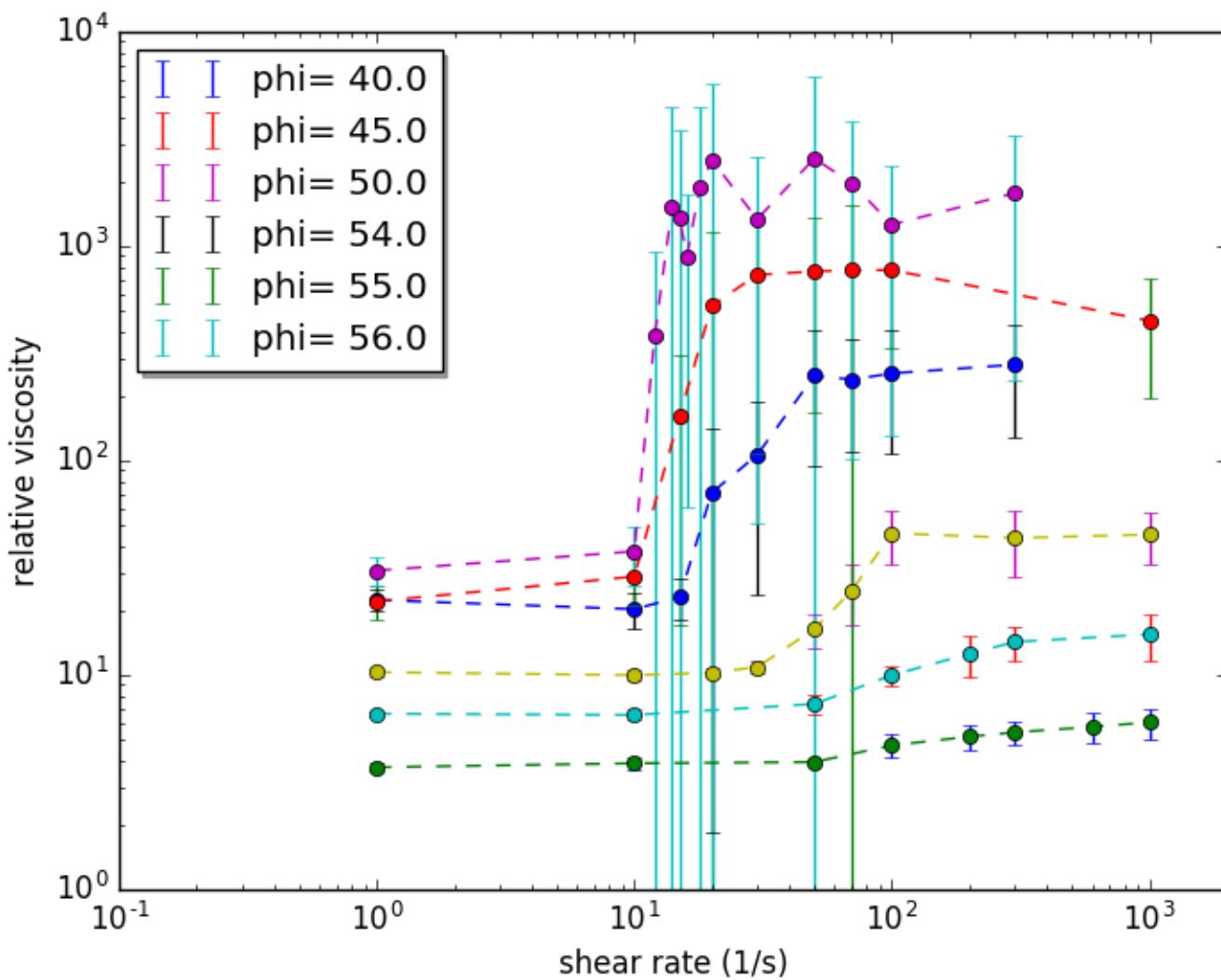


shearstress_vs_shearrate



viscosity_vs_shearrate





viscosity_vs_shearstress

