**GEOL 135 Next-day Assignment due 11-17-10 Fall 2010**

From the supplied set of chemical information collected with an electron microprobe, solve the Garnet-Biotite thermometer equation below to determine the equilibration temperature controlling the distribution of Fe and Mg in Garnet and Biotite. Use either the interior garnet and included Biotite OR the garnet rim and matrix biotite analyses… Use P=1000 bars in this calculation (Note some algebraic manipulation is required to rearrange the fundamental equation to solve for T).

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