$$\frac{dB_T}{dP} \cong \frac{dB_S}{dP} + \left(\frac{B_S}{B_T} - 1 \right) \qquad (7)$$

where B_S is the adiabatic bulk modulus. The "correction" term in this equation is very small for tantalum.

Propagation of maximum errors analysis was employed because there were not enough runs to calculate a meaningful standard deviation. The pressure derivatives, dC_i/dP, were found to have a 4 per cent uncertainty except for the $(C_{11} - C_{12})/2$ mode, for which the uncertainty on this basis was 7.5 per cent.