Higher Order Mode (HOM) Induced Longitudinal Coupled Bunch (LCB) Instabilities at the SRS, D.M. DYKES and P.A. McINTOSH, CLRC Daresbury Laboratory, Warrington, WA4 4AD, UK - Experimental studies at the Synchrotron Radiation Source (SRS) have shown that variation of the RF cavity temperature can introduce LCB oscillations, observed on the beamline tungsten vane monitors (TVM). Analysis of the beam spectra under various conditions indicate that a cavity HOM is the cause. Precise control of the temperature of each of the four accelerating cavities is necessary to suppress these oscillations. This paper also outlines other steps taken to minimise HOM interaction and consequently reduce LCB instabilities.