## Supplementary Materials

Bob Myhill

July 13, 2015

## 1 Anhydrous melting model

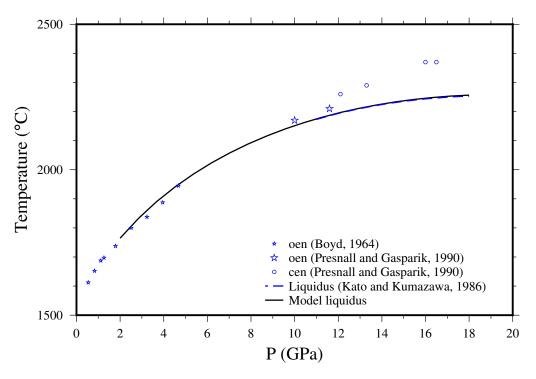


Figure 1: Enstatite melting

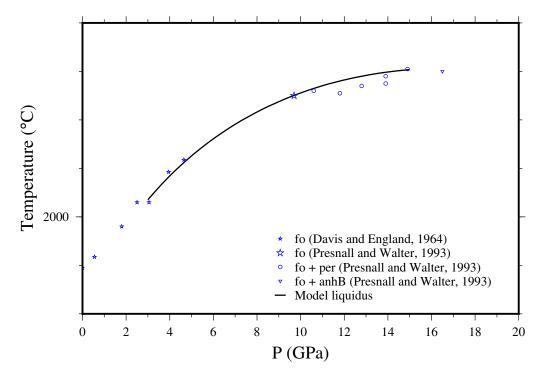


Figure 2: Forsterite melting

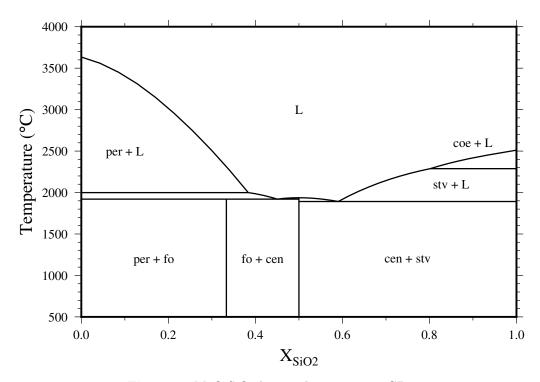


Figure 3:  $MgO-SiO_2$  binary diagram at 13 GPa