

Small red garnets in the garnet-biotite and garnet-cordierite clusters have abundant oriented fibrolitic sillimanite and the garnets are corroded and replaced by cordierite. The reaction texture indicates that the cordierite was formed by the reaction of the form, garnet + biotite + sillimanite + quartz \longrightarrow K-feldspar + cordierite + magnetite + spinel and the rocks have experienced a decompressional event.

We conclude that the migmatites are in situ peraluminous partial melts and the melting and decompressional events have occurred nearly simultaneously.