



Large porphyroblasts of spinel consist of inclusions of plg and bt which are in contact, but the bt consists of inclusions of sil which again contains inclusions of plg. The included plg have more CaO content than the plg coarser grains. The included sil have almost equal content of Al<sub>2</sub>O<sub>3</sub> and SiO<sub>2</sub>, but the coarse prismatic grains consist of more Al<sub>2</sub>O<sub>3</sub> content (greater than 65%) than SiO<sub>2</sub>.

Spinel is hercynite with Al<sub>2</sub>O<sub>3</sub> content ~60%, FeO 32% and MgO 6-7%. ZnO content is very low, and most cases it is nil, good greenish coloured spinel porphyroblasts dominate the thin section.

Below sil consists of spl inclusions which again contains sill inclusion. Hence several generations of sill are noticed,

Grt porphyroblasts are there, contains inclusions of bt, sill and plg.

So these inclusion textures are very interesting, and I used MAS system for geobarometer, but for a min pressure of 2 GPa itself, the temperature is crossing around 950 C. So could anybody suggest me some suitable thermometers for calculating the exact P and T.

