















The resulting topology and shape of solidi is general for crustal rocks.

amphibole and epidote/zoisite

In metasediments H1 and H2 are

Of course combinations of all the above occur, e.g. in metatonalites









Considering systems saturated with Als and quartz		
A	A'	Reaction
Anorthite Cordierite Orthopyroxene	Grossular Garnet Garnet	An = Grs + Als + Qtz Crd = Grt + Als + Qtz Opx + Als = Grt + Qtz









• The shape and location of the solidus changes as a function of the bulk H₂O content.

• There are remarkable analogies in melting behaviour of metapelites, metagreywackes and metabasalts





Experimental Conditions

- Metagreywacke Composition
- Biotite + Plagioclase(An20) + Quartz
- Fine mineral powder (<5µm)
- Pressure range 5-80 kbar
- 3 isothermal sections (800, 850, 900°C)



















































Mobile phase:

