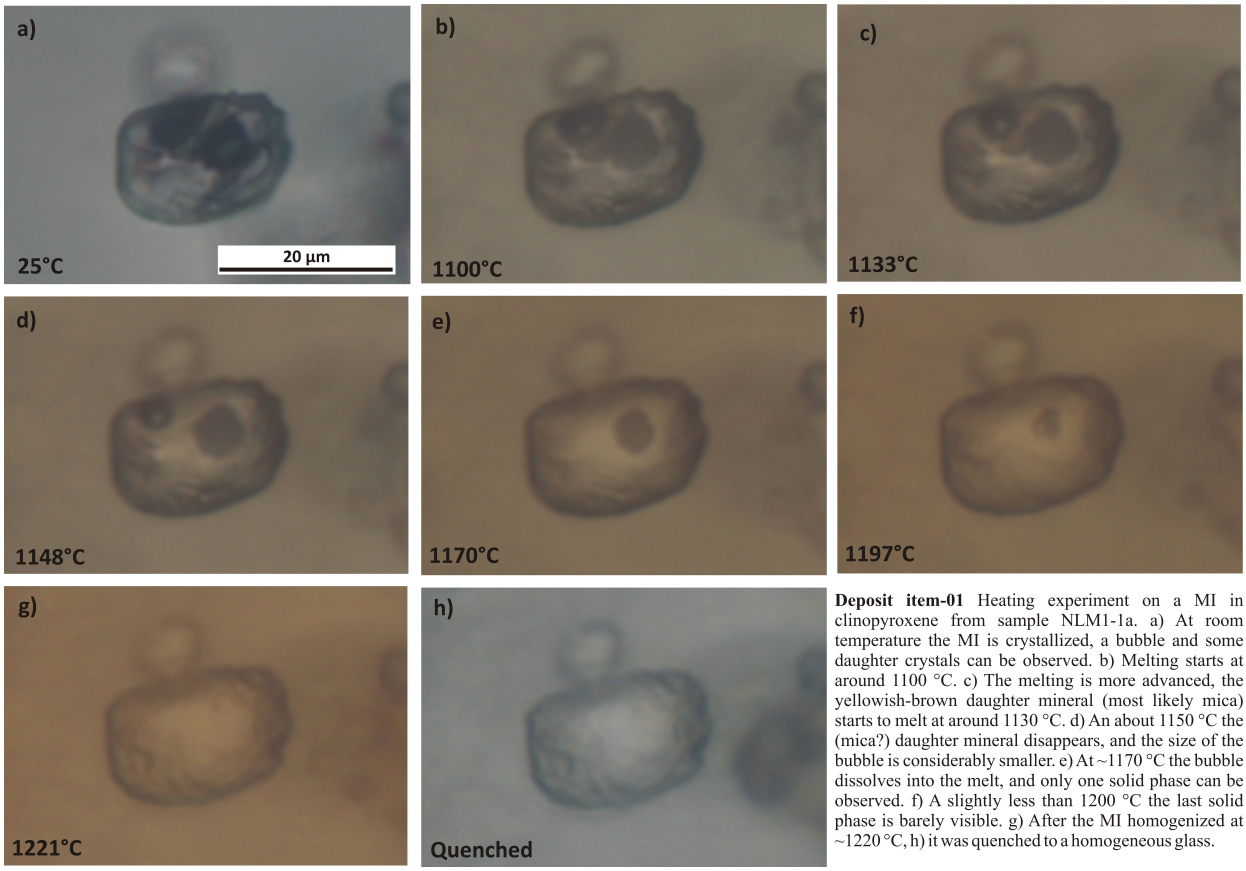

Deposit item-01 Heating experiment on a MI in clinopyroxene from sample NLM1-1a. a) At room temperature the MI is crystallized, a bubble and some daughter crystals can be observed. b) Melting starts at around 1100 °C. c) The melting is more advanced, the yellowish-brown daughter mineral (most likely mica) starts to melt at around 1130 °C. d) An about 1150 °C the (mica?) daughter mineral disappears, and the size of the bubble is considerably smaller. e) At ~1170 °C the bubble dissolves into the melt, and only one solid phase can be observed. f) A slightly less than 1200 °C the last solid phase is barely visible. g) After the MI homogenized at ~1220 °C, h) it was quenched to a homogeneous glass.