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## Phase diagrams of binary carbonate systems at 6 GPa and 900-1400C

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In this study we conducted HP-HT experiments at 6 GPa and 900-1400oC in binary carbonate systems K2CO3-MgCO3, K2CO3-CaCO3, Na2CO3-MgCO3, Na2CO3-CaCO3 using multianvil apparatuses at Tohoku University (Sendai, Japan) and IGM SB RAS (Novosibirsk, Russia). Based on obtained results we plotted phase diagrams for studied systems which shown in Fig. 1.

Keywords: Phase diagram, Carbonate, Binary system, High pressure and temperature

