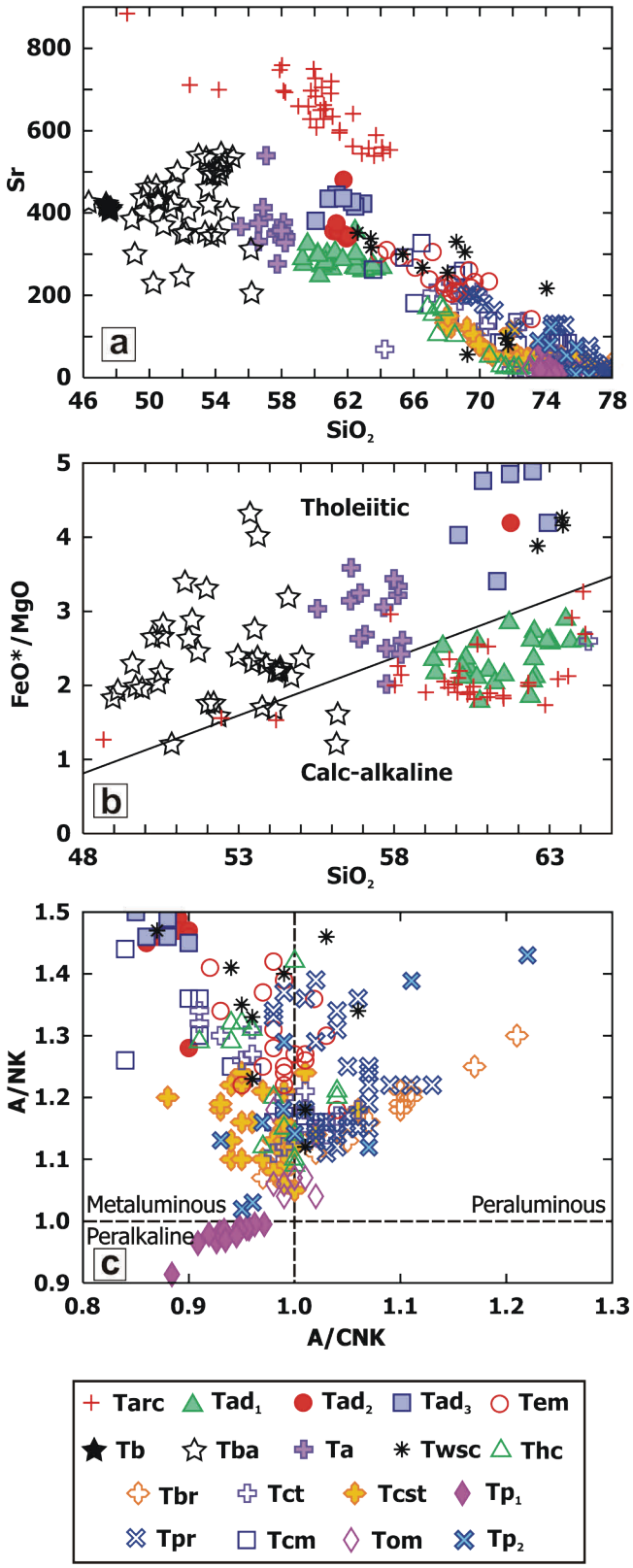

Figure 17. **(a)** Plot of ppm Sr vs. wt% silica that is used to distinguish Tarc lava flows from SC units. **(b)** Tholeiitic vs. Calc-alkaline discrimination diagram of Miyashiro (1974) illustrating the primarily calc-alkaline nature Tarc lava flows. Also evident is the calc-alkaline nature of Tad_1 lava flows. **(c)** Plot of A/NK (molecular Al_2O_3/Na_2O+K_2O) vs. A/CNK (molecular $Al_2O_3/CaO+Na_2O+K_2O$) that distinguishes peraluminous, metaluminous, and peralkaline rock compositions.