



LA-ICP-MS analyses of (a) pyroxene, (b) plagioclase and (c) olivine in the 12003 chips plotted as percent values of the corresponding WDS analyses. Errors for LA-ICP-MS are  $1\sigma$  errors calculated by the Glitter software. Errors for the WDS data are  $1\sigma$  standard deviations calculated from repeat analyses of the USGS BCR-2 basaltic glass reference material. These errors were combined using the formula:  $\sigma_{\text{combined}}^2 = \sigma_{\text{WDS}}^2 + \sigma_{\text{LA-ICP-MS}}^2$