

Supplementary Information for
Evidence for a broadly distributed Samoan Plume signature in the northern Lau
and North Fiji Basins

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Introduction

This data set contains the analytical methods used for measurements of Pb-Sr-Nd-Hf isotopes, He isotopes, and major and trace elements. Along with the methods we include a discussion covering the disagreement between our new data and previously published data from the same samples "2013GC005061R-text01.docx". We also include new USGS rock standard data "2013GC005061R-ts01.xlsx" as well as comparison of these data and previously published USGS rock standard data "2013GC005061R-ps01.pdf".

2013GC005061R-text01.docx Detailed analytical methods used to measure Pb-Sr-Nd-Hf isotopes, He isotopes, major and trace elements in USGS rock standards and unknown basaltic rocks. Discussion about differences between new isotopic data and previously published values.

2013GC005061R-ts01.xlsx Sr, Nd, Hf, and Pb isotopic compositions of USGS rock standards (AGV-2 and BCR-2) analyzed in this study.

2013GC005061R-ps01.pdf Comparison of USGS rock standards (AGV-2 and BCR-2) measured in this study and by Weis et al. [2006].