

## Supporting Information for “3-D Acoustic Multipole Waveform Inversion at Yasur Volcano, Vanu- atu”

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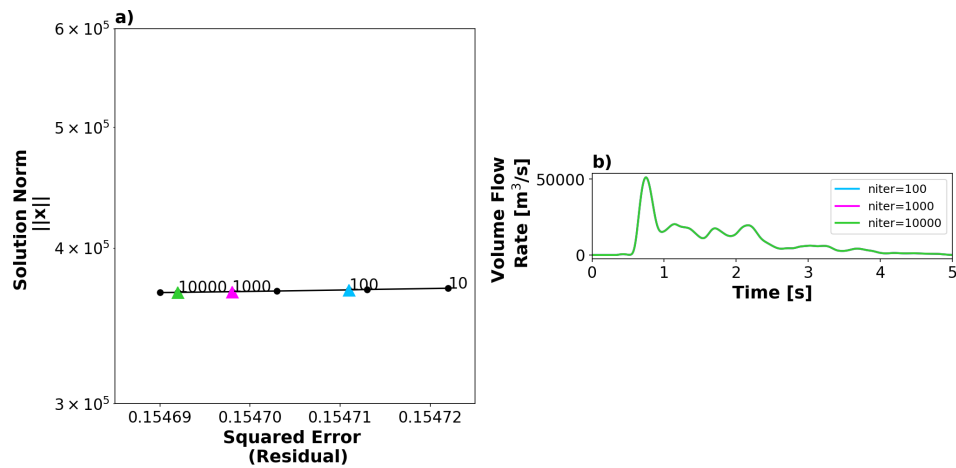
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### Introduction

#### Figure S1.



**Figure 1.** Monopole inversion stability test. (a) Convergence curve of the norm of the solution ( $\|x\|$ ) and squared error (residual) with respect to number of iterations for example event YBAL.3A8. (b) Volume flow rate solution as a function of time for 100 (blue), 1000 (pink), and 10000 (green) iterations. Blue, pink and green triangles in (a) correspond to volume flow rate vectors plotted in (b).

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