

Supporting Information for

Synchronized Eruptions on Io: Evidence of Interconnected Subsurface Magma Reservoirs

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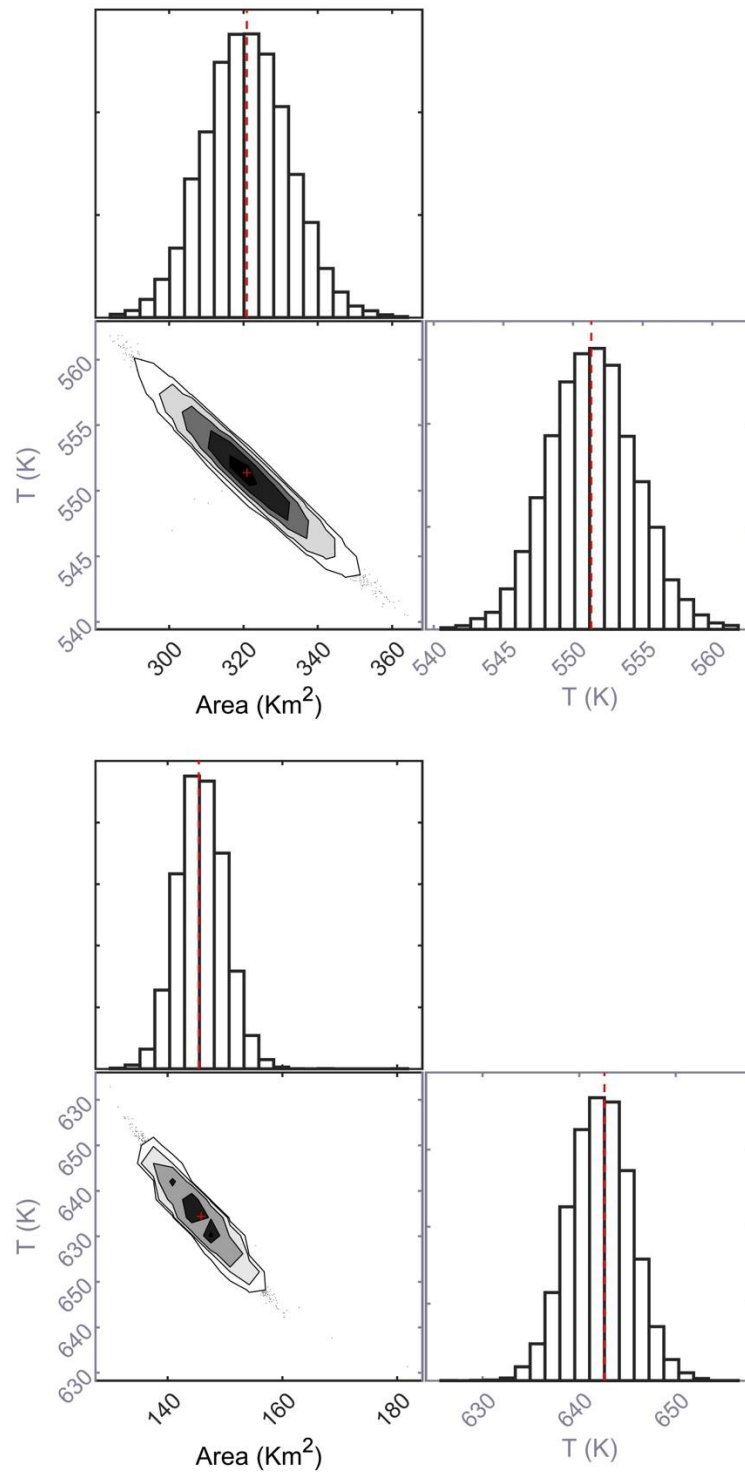
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Figure S1. Top: corner plot from the MCMC model for Feature B. Bottom: corner plot from the MCMC model for P139. Note that the histogram in the plots only represent a magnification of the data closest to the median value. Some samples lie outside the limits of the axes, but this does not affect the calculations. For this reason, the standard

29 deviation calculated on all samples is larger than what visibly appear from the histogram (i.e. the full-width half
30 maximum). Red dashed lines are the median values of the distribution of the solutions.