



Figure 1: Overall map of most of the Louisville chain showing the distribution of guyots and other major volcanoes. Note that ~500km of the SE end of the chain is beyond the area of this map. The labelled 155.9°W guyot marks the southeastern limit of our proposed survey. The grey strip is a 75km wide swath that includes all major Louisville volcanoes. Note that this is significantly (factor of 2 to 3) narrower than for the Hawaiian-Emperor chain.