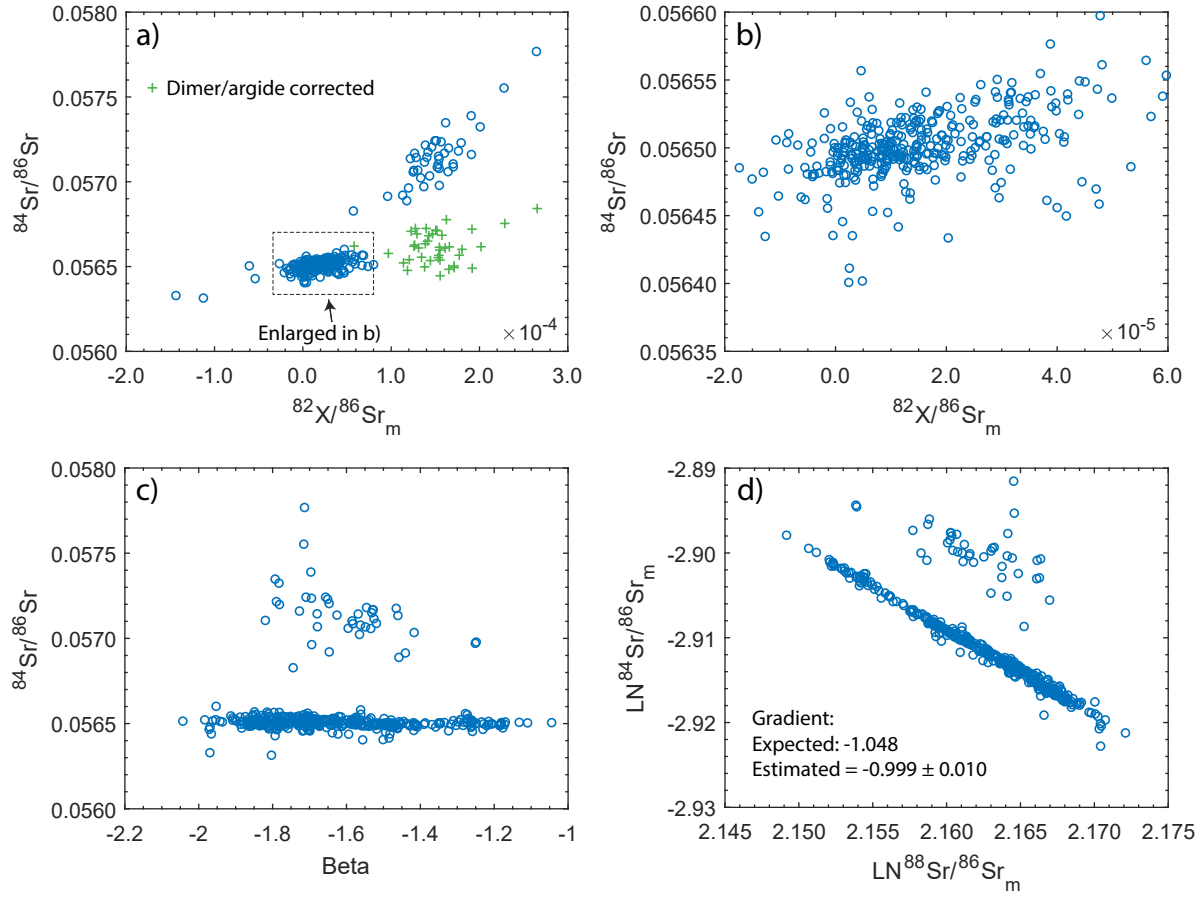

Figure S1. Summary of laser ablation MC-ICPMS Neptune measurements of $^{84}Sr/^{86}Sr$ ratio: (a) $^{84}Sr/^{86}Sr$ vs. $^{82}X/^{86}Sr$; High $^{84}Sr/^{86}Sr$ values result from Ca dimer/argide interferences. Green crosses represent corrected data; (b) Enlargement of the main dataset marked by the black rectangle in (a); (c) Beta fractionation factor vs. $^{84}Sr/^{86}Sr$, elevated values are due to dimer/argide interferences; (d) Natural logarithm of measured $^{84}Sr/^{86}Sr_m$ vs. natural logarithm of measured $^{88}Sr/^{86}Sr_m$ (subscript m denotes ratios corrected for amplifier gains, baseline, and interferences), shows a fractionation trend, slightly deviating from the exponential mass bias law.