

Supplementary data S1 the Pb isotope results for Neptune tuning solution

^{208}Pb intensity (cps)	integratio n time		$^{206}\text{Pb}/^{204}\text{Pb}$	$^{207}\text{Pb}/^{204}\text{Pb}$	$^{208}\text{Pb}/^{204}\text{Pb}$	$^{207}\text{Pb}/^{206}\text{Pb}$	$^{208}\text{Pb}/^{206}\text{Pb}$
Belshaw et al.,1998			16.932	15.487	36.683	0.91463	2.1665
190000	1.049s	mean (n=40)	16.926	15.481	36.664	0.9146	2.1661
		SD	0.021	0.020	0.050	0.0003	0.0014
		2RSD	0.24%	0.26%	0.27%	0.07%	0.13%
		Accuracy	-0.02%	-0.01%	-0.02%	0.01%	0.00%
	0.131s	mean (n=40)	16.929	15.484	36.673	0.9146	2.1663
		SD	0.025	0.022	0.057	0.0005	0.0016
		2RSD	0.30%	0.28%	0.31%	0.11%	0.15%
		Accuracy	0.00%	0.00%	0.01%	0.01%	0.01%
32000	1.049s	mean (n=20)	16.924	15.478	36.647	0.9146	2.1654
		SD	0.032	0.032	0.084	0.0007	0.0021
		2RSD	0.37%	0.41%	0.46%	0.15%	0.19%
		Accuracy	-0.03%	-0.03%	-0.07%	0.00%	-0.03%
	0.131s	mean (n=20)	16.931	15.485	36.680	0.9146	2.1665
		SD	0.051	0.045	0.118	0.0007	0.0013
		2RSD	0.60%	0.58%	0.64%	0.15%	0.12%
		Accuracy	0.01%	0.01%	0.03%	0.01%	0.02%