Table S1. Twannberg results from this study compared to previous Twannberg results. All errors are ±1σ.

Schreibersite Solid metal

Element This study Hofmann et al. (2009) This study Wasson et al. (2009) Hofmann et al. (2009)\*\*

TW I TW II

Fe (wt%) 71.2 ± 0.9 75.1 ± 0.4 93.6 ± 0.7 — 95.4 95.5

P (wt%) 15.3 ± 2.0 15.1 ± 0.01 0.24 ± 0.07 2.0\* — —

Ni (wt%) 11.7 ± 0.3 10.5 ± 0.2 3.5 ± 0.5 4.46 4.31 4.79

Co (wt%) 0.147 ± 0.007 0.06 ± 0.02 0.46 ± 0.03 0.52 0.512 0.517

Ga (ppm) 2.2 ± 0.3 — 35 ± 4 37.6 32.0 32.5

Ge (ppm) — — 47 ± 5 51.4 48 47

As (ppm) 2.4 ± 0.3 — 20 ± 4 17.8 16.9 17.6

Mo (ppm) 31 ± 3 — 4.6 ± 0.5 — — —

Ru (ppm) 0.8 ± 0.1 — 0.4 ± 0.1 — — —

Rh (ppm) 0.7 ± 0.1 — 0.7 ± 0.1 — — —

Pd (ppm) 2.5 ± 0.1 — 1.6 ± 0.6 — — —

Sb (ppm) 0.04 ± 0.01 — 0.19 ± 0.04 0.163 0.135 0.146

W (ppm) 0.046 ± 0.008 — 0.06 ± 0.02 0.13 0.10 0.15

Re (ppm) 0.0011 ± 0.0004 — 0.009 ± 0.006 <0.02 0.01 0.012

Os (ppm) 0.0020 ± 0.0006 — 0.12 ± 0.03 — — —

Ir (ppm) 0.0008 ± 0.0004 — 0.11 ± 0.02 0.092 0.22 0.34

Pt (ppm) 0.002 ± 0.001 — 0.24 ± 0.05 1.1 0.24 0.22

Au (ppm) 0.023 ± 0.015 — 1.16 ± 0.32 1.364 1.05 1.04

\*Value for P is from modal analyses.

\*\*Data collected for two sections: Twannberg I (TW I) and Twannberg II (TW II).