

Table S5 Obtained volumes and densities of liquid Fe.

Run No. (Sample)	T [K]	V [cm ³]	ρ [g/cm ³]	error [g/cm ³]
AK18 (M=163.31 mg)*	1923	0.02372	6.884	0.0488
	1926	0.02372	6.884	0.0444
	1933	0.02377	6.872	0.0462
	1938	0.02379	6.865	0.0492
	1943	0.02380	6.863	0.0475
	1953	0.02386	6.846	0.0439
	1958	0.02388	6.838	0.0437
	1963	0.02390	6.833	0.0446
	1968	0.02393	6.826	0.0437
	1973	0.02396	6.817	0.0489
	1978	0.02398	6.809	0.0428
	1983	0.02400	6.804	0.0448
	1988	0.02401	6.801	0.0422
	1993	0.02403	6.795	0.0437
	1998	0.02406	6.786	0.0421
AK20 (M=164.50 mg)*	1818	0.02323	7.081	0.0336
	1823	0.02326	7.073	0.0293
	1828	0.02329	7.063	0.0286
	1833	0.02333	7.051	0.0389
	1838	0.02335	7.044	0.0356
	1843	0.02339	7.032	0.0351
	1848	0.02343	7.020	0.0352
	1853	0.02346	7.011	0.0333
	1858	0.02350	7.001	0.0319
	1863	0.02353	6.991	0.0303
	1868	0.02356	6.983	0.0279
	1873	0.02358	6.975	0.0279
	1878	0.02362	6.965	0.0279
	1883	0.02364	6.960	0.0278
	1888	0.02367	6.951	0.0278
	1893	0.02369	6.943	0.0278
	1898	0.02371	6.937	0.0277
	1903	0.02374	6.928	0.0277
	1908	0.02377	6.921	0.0277
	1913	0.02379	6.914	0.0277
	1918	0.02382	6.907	0.0276
	1923	0.02384	6.900	0.0276
	1928	0.02386	6.893	0.0276
	1933	0.02388	6.888	0.0276
	1938	0.02391	6.880	0.0275
	1943	0.02394	6.873	0.0275
	1948	0.02396	6.866	0.0275
	1953	0.02400	6.855	0.0274
	1958	0.02402	6.849	0.0274
	1963	0.02404	6.844	0.0274
	1968	0.02406	6.837	0.0458
	1973	0.02409	6.829	0.0273
	1978	0.02411	6.824	0.0273
	1983	0.02414	6.816	0.0273
	1988	0.02416	6.810	0.0272
	1993	0.02417	6.806	0.0272
	1998	0.02420	6.798	0.0272

*M is measured initial mass.