

TABLE I. Summary of information from $\log(v/v_0)$ vs $\log(1+p/p_i)$ plots.

Metal	ϵ/v_0 (kbars)	a_T	a_H	$\Delta v'/v$	Straight-line sections		Discontinuities	
					Isothermal compression*	Shock compression*	Isothermal compression*	Shock compression*
Cu	475	2.92	3.32	0.0	0-0.8† ^b	0.7 - 1.6†	none	none
Ag	278	3.74	4.33	0.0	0-1.2†	0.7 - 1.9†	none	none
Au	335	4.47	5.19	0.0	0-0.7†	0.5 - 1.1†	none	none
Li	116	1.89		0.07	0.3-0.9†		none	
Na	45	2.78		0.09	0.5-2.0†		none	
K	20	3.35		0.08	0.7-5.0†		none	
Rb	15	2.85		0.03	0.2-6.6†		none	
Cs	11	2.66		0.03	0.1-2.1		2.1 (small)	
					2.1-4.1†		4.1 (large)	
Be	641	1.79	2.32	0.0	0-0.17†	0.2 - 1.5†	none	none
Mg	101	3.69	3.98	0.0	0-0.28†	1.1 - 2.4†	none	none
Zn	141	5.01	5.54	0.0	0-0.28†	1.4 - 3.3†	none	none
Cd	43	11.0		0.0	0-0.53†	5.3 - 11†	none	
Hg	42	7.18	7.41	0.0	0-0.28†	5.3 - 11†	none	none
Al	309	2.44	3.00	0.0	0-0.1†	0.13- 3.3†	none	none
La	162	1.83		0.0	0-0.14			
					0.14-0.25†		0.14 (slight)	
In	154	2.89	4.09	0.01	0.18-0.32†	2.0 - 4.3†	none	none
Tl	104	4.89		0.0	0-0.24†	1.4 - 2.7†	none	
Ti	458	2.18	2.94	0.0	0-0.04	0.4 - 0.9†	0.04 (change in slope)	none
					0.04-0.09†			
Zr	370	2.32		0.0	0-0.06	0.6 - 1.1†	0.06 (change in slope)	
					0.06-0.11†			
Sn	184	3.05	4.61	0.05	0-0.16†	1.0 - 2.3†	none	none
Pb	106	4.08	4.96	0.0	0-0.95†	2.0 - 4.8†	none	none
As	192	2.42		0.0	0-0.21†		none	
Sb	137	3.56		0.0	0-0.21†		none	
Bi	97	3.47		0.0	0-0.28	0.2 - 0.28		
					0.28-0.52†	0.28- 4.8†	0.28 (large)	0.28
Fe	565	2.99		0.0	0-0.05†	0.1 - 0.25	none	0.25-0.4
						0.4 - 0.8†		
Co	660	2.90	3.44	0.0	0-0.05†	0.38- 0.75†	none	none
Ni	636	2.90	3.28	0.0	0-0.05†	0.38- 0.85†	none	none
Ru	797	3.62		0.0	0-0.04†		none	
Rh	692	3.73	4.32	0.0	0-0.05†	0.4 - 0.8†	none	none
Pd	434	4.20	4.57	0.0	0-0.77†	0.6 - 1.4†	none	none
Ta	704	2.90		0.0	0-0.05†		none	
Nb	709	2.49	2.69	0.0	0-0.05†	0.33- 0.75†	none	none
Mo	685	3.83	3.94	0.0	0-0.05†	0.38- 0.8†	none	none
W	877	3.48		0.0	0-0.04†		none	
Cr	459	4.20	4.31	0.0		0.55- 1.05†		none
Ir	798	4.31		0.0	0-0.04†		none	
Pt	560	4.74	4.78	0.0	0-0.06†	0.54- 1.0†	none	none
Gd	180	2.45		0.0	0-0.2†		none	
Hf	165	2.62		0.0	0-0.2†		none	
Pr	173	1.80		0.0	0-0.2†		none	
Ce	170	0.9		0.0	0-0.06†		0.08?	
Non- metals								
Si	301	3.85		0.0	0-0.1†		none	
Ge	240	3.60		0.0	0-0.13†		none	
Te	96	2.58		0.03	0.15-0.4		0.4 (large)	
					0.4 - 0.53†			
S	143	2.81		0.12	0.35-0.7†		none	

* In terms of p/p_i .

† denotes upper limit of experimental data.