

Table VIII. Shock wave data for the liquid nitrogen Hugoniot.

Shot No.	Initial density (g/cc)	Shock vel. ^a (km/sec)	Particle vel. (km/sec)	Pressure (kbar)	Relative vol. V/V_0
1	0.820	2.58 ± 0.02	0.75 ± 0.10	16.0 ± 2.0	0.708 ± 0.037
2	0.820	2.97 ± 0.02	0.97 ± 0.05	23.6 ± 1.2	0.674 ± 0.016
3	0.820	3.53 ± 0.01	1.39 ± 0.04	40.1 ± 1.0	0.606 ± 0.010
4	0.820	4.19 ± 0.02	1.85 ± 0.03	63.5 ± 1.1	0.558 ± 0.008
5	0.820	5.09 ± 0.02	2.44 ± 0.02	102 ± 1	0.521 ± 0.004
6	0.820	5.50 ± 0.02	2.69 ± 0.02	121 ± 1	0.512 ± 0.005
7	0.820	5.92 ± 0.03	2.90 ± 0.12	141 ± 6	0.510 ± 0.021
8	0.820	6.66 ± 0.03	3.54 ± 0.07	193 ± 4	0.469 ± 0.010
9	0.820	6.98 ± 0.08	3.64 ± 0.09	208 ± 5	0.479 ± 0.014
10	0.820	7.34 ± 0.04	3.98 ± 0.08	239 ± 5	0.458 ± 0.011
11	0.820	7.52 ± 0.05	4.26 ± 0.07	263 ± 5	0.434 ± 0.010
12	0.820	7.59 ± 0.03	4.32 ± 0.12	269 ± 8	0.431 ± 0.016
13	0.820	7.43 ± 0.03	4.38 ± 0.08	267 ± 5	0.410 ± 0.011