

Table VI. Shock wave data for the carbon disulfide Hugoniot.

Shot No.	Initial temp. (°C)	Initial density (g/cc)	Shock vel. (km/sec)	Particle vel. (km/sec)	Pressure (kbar)	Relative vol. V/V_0
1	22	1.260	2.47 ± 0.01	0.59 ± 0.08	18.5 ± 2.6	0.761 ± 0.034
2	29	1.249	2.41 ± 0.00	0.71 ± 0.04	21.3 ± 1.3	0.705 ± 0.018
3	28	1.251	2.59 ± 0.01	0.71 ± 0.05	22.9 ± 1.5	0.727 ± 0.018
4	28	1.251	2.94 ± 0.01	0.86 ± 0.03	31.6 ± 1.1	0.707 ± 0.010
5	24	1.257	3.06 ± 0.01	0.93 ± 0.03	35.7 ± 1.2	0.696 ± 0.010
6	20	1.263	3.09 ± 0.01	0.94 ± 0.04	36.5 ± 1.5	0.697 ± 0.012
7	19	1.264	3.39 ± 0.01	1.17 ± 0.03	50.0 ± 1.2	0.655 ± 0.008
8	32	1.245	3.43 ± 0.01	1.26 ± 0.02	53.6 ± 0.9	0.634 ± 0.006
9	14	1.272	3.47 ± 0.01	1.26 ± 0.01	55.8 ± 1.1	0.636 ± 0.008
10	22	1.260	3.47 ± 0.01	1.29 ± 0.02	56.4 ± 1.1	0.628 ± 0.007
11	18	1.266	3.51 ± 0.01	1.39 ± 0.08	61.9 ± 3.8	0.603 ± 0.024
12	29	1.249	3.52 ± 0.01	1.59 ± 0.03	70.1 ± 1.1	0.549 ± 0.007
13	29	1.249	3.55 ± 0.01	1.68 ± 0.01	74.4 ± 0.6	0.527 ± 0.004
14	14	1.272	3.65 ± 0.01	1.74 ± 0.05	81.0 ± 2.2	0.523 ± 0.013
15	27	1.253	3.62 ± 0.01	1.78 ± 0.02	80.9 ± 0.9	0.507 ± 0.006
16	28	1.251	3.78 ± 0.01	2.01 ± 0.10	94.8 ± 4.5	0.468 ± 0.025
17	28	1.251	4.02 ± 0.01	2.13 ± 0.02	107 ± 1	0.471 ± 0.004
18	24	1.257	4.18 ± 0.00	2.17 ± 0.02	114 ± 1	0.481 ± 0.004
19	19	1.264	4.20 ± 0.01	2.22 ± 0.04	118 ± 2	0.473 ± 0.009