AM-94-571

# The structure of high-pressure C2/c ferrosilite and crystal chemistry of high-pressure C2/c pyroxenes

D. A. Hugh-Jones, A. B. Woodland, R. J. Angel

For deposit: Table 2

American Mineralogist, 79, 11-12, 1032-1041.

**Table 2.** Unit cell parameters of low- and high-clinoferrosilite.

| P (GPa) | a (Å) | b (Å) | c (Å) | β | V (Å$^3$) |
|---|---|---|---|---|---|
| 0.00 | 9.7075(7) | 9.0807(4) | 5.2347(5) | 108.462(6) | 437.70(6) |
| 0.47 | 9.690(2) | 9.061(4) | 5.222(2) | 108.29(2) | 435.4(3) |
| 0.97 | 9.675(1) | 9.042(3) | 5.215(2) | 108.19(1) | 433.4(2) |
| 1.00 | 9.672(1) | 9.041(3) | 5.216(1) | 108.19(1) | 433.3(2) |
| 1.35 | 9.668(3) | 9.028(1) | 5.212(1) | 108.10(3) | 432.4(2) |
| 1.43 | 9.661(2) | 9.025(4) | 5.208(2) | 108.09(2) | 431.6(2) |
| 1.63 | 9.545(1) | 9.005(2) | 5.0134(8) | 103.12(1) | 419.7(1) |
| 1.75 | 9.543(2) | 9.002(2) | 5.013(1) | 103.07(2) | 419.4(2) |
| 1.86 | 9.5425(6) | 8.997(1) | 5.0085(5) | 103.035(7) | 418.94(8) |
| 1.87 | 9.5400(8) | 8.996(2) | 5.0083(6) | 103.01(1) | 418.8(1) |
| 2.40 | 9.523(1) | 8.978(2) | 4.9992(8) | 102.84(1) | 416.8(1) |
| 2.85 | 9.5111(7) | 8.963(2) | 4.9922(6) | 102.690(8) | 415.17(9) |
| 3.14 | 9.510(3) | 8.956(2) | 4.989(1) | 102.64(3) | 414.6(2) |
| 3.66 | 9.496(4) | 8.944(2) | 4.981(2) | 102.51(4) | 413.1(2) |
| 3.94 | 9.489(1) | 8.9339(8) | 4.9780(6) | 102.45(1) | 412.09(9) |
| 4.29 | 9.481(1) | 8.9247(8) | 4.9741(5) | 102.37(1) | 411.12(8) |

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| 3.66 | 9.496(4) | 8.944(2) | 4.981(2) | 102.51(4) | 413.1(2) |
| 3.94 | 9.489(1) | 8.9339(8) | 4.9780(6) | 102.45(1) | 412.09(9) |
| 4.29 | 9.481(1) | 8.9247(8) | 4.9741(5) | 102.37(1) | 411.12(8) |