C-S (Carbon-Sulfur)

H. Okamoto

The C-S phase diagram was not included in the most recent compilation of phase diagrams [2010Oka].

Figure 1 shows the phase diagram of the C-S system at 1 atm. pressure calculated by [1971Kel] from thermochemical data on various gas species present in the equilibrium state.

References

- 1971Kel:** H.H. Kellogg, Equilibria in the Systems C-O-S and C-O-S-H as Related to Sulfur Recovery from Sulfur Dioxide, *Metall. Trans.*, 1971, **2**, p 2161-2169
- 2010Oka:** H. Okamoto, *Desk Handbook: Phase Diagrams for Binary Alloys*, 2nd Ed., ASM International, Materials Park, OH, 2010, 855 pp

Fig. 1 C-S phase diagram