



- **New thermodynamic model for liquid-Fe-S alloys: Terasaki 2019**
  - agrees well with published and new low and high pressure data
  - ⇒ Mars models require significant more S than formation/compositional models
- **New bulk composition model of Mars: Yoshizaki 2020**
  - based on data from Martian meteorites and spacecraft
  - does not assume C1 composition for refractory lithophile elements
  - ⇒ less iron in the mantle affects core composition and mantle moment of inertia
- **Effect on Mars core structure and composition**

