

Venus 3 Book: Chapter 1

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Abstract

This will be the first chapter in the planned ‘Venus 3’ book, which will present the latest knowledge about all aspects of the planet Venus.

Chapter 1 will include:

1. Brief history of Venus observations, from telescopic studies up to and including early space missions (Venera, Mariner)
2. Overview of key results from more recent ground-based observations and space missions, including Pioneer Venus, the later Veneras, Vega, Magellan, Akatsuki and Venus Express
3. Summary of current knowledge, in three main sections:
 - a. Surface and interior
 - b. Atmosphere and climate
 - c. Thermosphere, exosphere and magnetosphere
4. Outstanding scientific questions remaining, and future mission concepts

providing background, introduction and an overview to the rest of the book.