

ICS 01.040.49

CCS V 04



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 30114.4-2014

**Terminology for space science and applications - Part 4: Lunar
and planetary science**

空间科学及其应用术语 第4部分：月球与行星科学

Issued on: December 5, 2014

Implemented on: April 1, 2015

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine;
Standardization Administration of the PRC**

Table of Contents

Foreword	III
1 Scope	1
2 Basic terms of the Lunar and Planetary Science	1
3 Lunar and planetary exploration technical terms	3
4 Lunar and Planetary Geology terminology	6
5 Other terms	10
Reference	12
Index	13

Foreword

GB/T 30114 "term space science and its applications" is divided into eight sections.

- Part 1. General basis;
- Part 2. Space Physics;
- Part 3. space astronomy;
- Part 4. Lunar and Planetary Science;
- Part 5. space life sciences and biotechnology;
- Part 6. Aerospace Medicine;
- Part 7. microgravity science;
- Part 8. Space Earth Science.

This section GB/T Part of 430,114.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This part of the National Standardization Technical Committee on Space Applications and Science (SAC/TC312) centralized.

This section drafted by: National Astronomical Observatories.

The main drafters of this section. to Li, Mou clever, Zhang Guangliang, Su Yan, Liu Jianjun, left dimension, Wen Weibin, Kong Deqing, Wang Fang, Zhangzhou Bin, Geng Liang.

Space Science and Its Application term

Part 4. Lunar and Planetary Science

1 Scope

GB/T 30114 in this section defines the common terms and definitions of science and technology Lunar and Planetary sciences requires a unified definition.

This section applies to the Lunar and Planetary Science related standards, technical documentation preparation, and related engineering and scientific exchanges application.

2.1 Lunar and Planetary Science lunarandplanetaryscience

Characteristics of the Lunar and Planetary Studies, planetary satellites, dwarf planets, asteroids and comets and other celestial bodies at all levels, the process of formation and evolution Subject.

[GB/T 30114.1-2013, the definition 2.36]

2.2 Comparative Planetology comparativeplanetology

Earth-based, topography comparative study of the solar system planets (especially Earth-like planets) and its moons, material composition, geological structure

Manufacture, surface and environment, physical field and internal structure, origin and evolution of historical subjects and common characteristics of space.

[GB/T 30114.1-2013, the definition 2.37]

2.3 Cosmochemistry cosmochemistry

Cause of space elements, distribution and abundance, as well as the evolution of the discipline.

2.4 Celestial chemical celestialchemistry

Chemical composition and chemical evolution of the discipline at all levels of celestial bodies.

2.5 Universe chronology cosmochronology

Study each major cosmic event timing disciplines.

2.6 Lunar chronology lunarchronology

Research on formation and evolution of the moon event timing disciplines.

2.7 Celestial Geology astrogeology

The solar system planets and satellites topography, composition of matter, geological

structure, internal structure and the formation and evolution of a discipline.

2.8 Planetary geology planetarygeology

Of geology, geophysics, geochemistry and other theories and methods to study the topography of the solar system planets and their satellites, was

chinastandards.org · PREVIEW