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

GB/T 30114.3-2014

**Terminology for space science and applications - Part 3: Space
astronomy**

空间科学及其应用术语 第3部分：空间天文

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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.

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

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Space Science and Its Application term

Part 3. Space Astronomy

1 Scope

GB/T 30114 in this section defines the technical terms and definitions common space astronomy requires a unified definition.

This section applies to space astronomy related standards preparation, technical documents, and related engineering and scientific exchanges application.

2 space astronomy term

2.1 Astronomy astronomy

On other celestial bodies and cosmic substances subject observational and theoretical research.

2.2 Space Astronomy spaceastronomy

Use of space platforms in space form Celestial observation and study of celestial bodies, structure, composition, movement, physical properties, evolution Discipline.

Note 1. The space astronomy observations exclude the interference of Earth's atmosphere, can achieve full-band observations.

Note 2. The space astronomical observations can be high-altitude aircraft, stratospheric balloons, sounding rockets, artificial Earth satellites, interplanetary probes, manned spacecraft and so on.

[GB/T 30114.1-2013, the definition 2.13]

2.3 Space radio astronomy spaceradioastronomy

Use of space platform receives from a wavelength of about 1mm or more celestial radio waves to study celestial phenomena branch of astronomy.

[GB/T 30114.1-2013, the definition 2.14]

2.4 Space Submillimeter Wave Astronomy spacesubmilimeterwaveastronomy

Use of space objects from the platform receives a wavelength of about 0.1mm ~ 1mm radio waves to study celestial phenomena of radio astronomy Branch.

[GB/T 30114.1-2013, the definition 2.15]

2.5 Space Infrared Astronomy spaceinfraredastronomy

The use of space vehicles, by detecting the infrared cosmic objects ($1\mu\text{m} \sim 1\text{mm}$) electromagnetic radiation to study celestial branch of astronomy Subject.

[GB/T 30114.1-2013, the definition 2.16]

2.6 Space Optical Astronomy spaceopticalastronomy

Use of space platforms, by detecting wavelengths from celestial $0.3\mu\text{m} \sim 1\mu\text{m}$ optical band electromagnetic radiation, to carry out the study of celestial bodies Branch of astronomy.

[GB/T 30114.1-2013, the definition 2.17]