



NASA Sent Hollywood Song to Venus

[Source: TOI](#)

Recently, NASA has transmitted Hollywood singer Missy Elliott's song "The Rain" to **Venus** via the [Deep Space Network \(DSN\)](#).

- The transmission was made using the **(Deep Space Station) antenna** located at the **Goldstone Deep Space Communications Complex** in **California**.

NASA's Future Mission to Study Venus:

- The [DAVINCI mission](#), which stands for **Deep Atmosphere Venus Investigation of Noble gases, Chemistry, and Imaging**, is set to be launched by the year **2029**.
- The [VERITAS](#), also known as **Venus Emissivity, Radio Science, InSAR, Topography, and Spectroscopy**, is expected to launch by **2031**.

India's Mission to Venus- Shukrayaan-1:

- Under the [Venus Orbiter Mission](#), [ISRO](#) plans to launch Shukrayaan-1, a spacecraft destined to orbit Venus to study the atmosphere of Venus.

Venus:

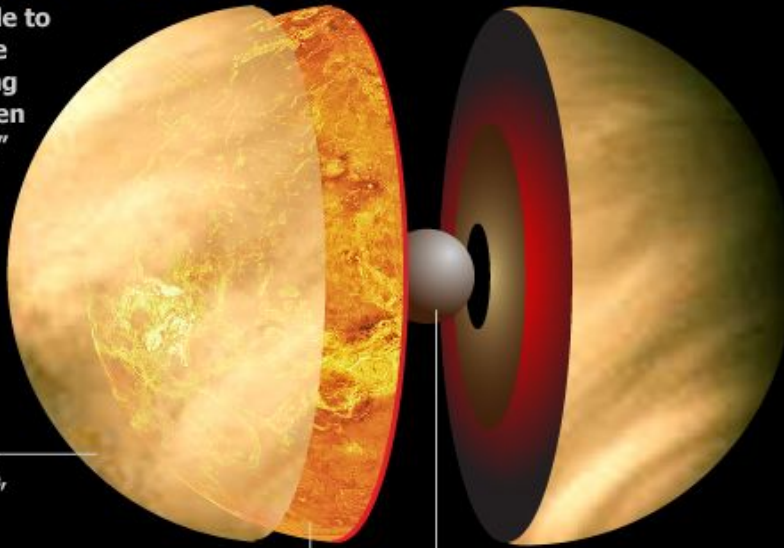
- Venus is often called **Earth's twin** and is **slightly smaller than Earth**.
- It is the **second planet from the Sun** and the **sixth largest** planet.
- It is the **hottest planet** in our solar system.
- Venus **spins from east to west**, which is backward compared to most planets, and it has a day longer than its year.

//

Inside Planet VENUS

SPACE.
COM

Venus is often visible to the naked eye in the morning and evening sky. It has often been called Earth's "twin" because of its similar size, but space probes have discovered that the environment there is actually quite inhospitable.



THICK ATMOSPHERE
96.5% carbon dioxide,
3.5% nitrogen plus
trace gases

**GRAVITY 0.9
OF EARTH**



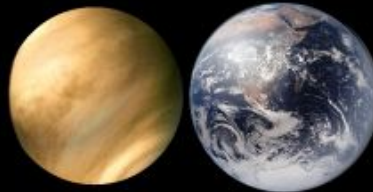
| | |
|------------------------------|------------------------------|
| EARTH 10ft dunk | VENUS 11ft dunk |
|------------------------------|------------------------------|

SURFACE CONDITIONS
AIR PRESSURE: 90x Earth
TEMPERATURE: 870°F (465°C)
WINDS: up to 220 mph (100 m/s)



The surface of Venus photographed by a Russian probe in 1982

METAL CORE It is not known if Venus' core is solid. Unlike Earth, Venus' weak magnetic field is not produced by a dynamo in the core.



Venus, 7,520 mi (12,100 km) in diameter, is slightly smaller than Earth

SOURCE: NASA

KARL TATE, SPACE.com

Read More: [Volcanism on Venus.](#)

PDF Refernece URL: <https://www.drishtiiias.com/printpdf/nasa-sent-hollywood-song-to-venus>