EAAE

# Summary Information Sheet

# **VENUS**

Venus, named after the goddess of love and beauty, is the "sister" planet of Earth, because their sizes, masses and densities are similar. But it is inhospitable, since this planet is surrounded by a thick, dense and acid atmosphere. It works like a greenhouse and produces high surface temperatures and makes telescope observations from Earth impossible.





Retrograde rotation with a long period of 243 Earth days. Rotation axis is inclined by 177° to the plane of the ecliptic

Wind speeds in the upper atmosphere over 100m/s

Surface viewed from Earth shows no structure and has the highest albedo of all planets

Clouds 45-65 km altitude

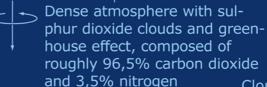
Equatorial highland



Venus phases



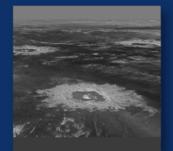
Venus from Earth



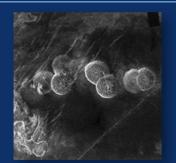




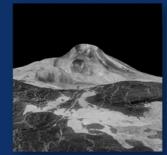
Surface close up



**Impact Craters** 



**Pancakes** 



Sif Mons Volcano

### **Physical Data**

### **Property**

Distance from the Sun
Rotation period
Equatorial radius
Mass
Density

#### **Venus**

108 million km 243 days 6052 km 4.87 x 10<sup>24</sup> kg 5240 kg/m<sup>3</sup>

## Earth

150 million km 23 hrs 56 min 6378 km 5.97 x 10<sup>24</sup> kg 5520 kg/m<sup>3</sup>

# For comparison

Mars

228 million km

24 hrs 37 min

3397 km

6.42 x 10<sup>23</sup> kg

3940 kg/m<sup>3</sup>

Concept: B. Mackowia