

Proba-3 Mission

March 9, 2026 • vajiramandravi.com



Proba-3 Mission Latest News

Recently, the European Space Agency (Esa) has lost contact with one of the two spacecraft powering its Proba-3 mission.

About Proba-3 Mission

- It is the **European Space Agency's** (ESA) first mission dedicated to precision formation flying.
- It is the innovative mission which will demonstrate precision formation flying between two satellites to **create an artificial eclipse**, revealing new views of the Sun's faint corona.
- **Objective:** To create an **artificial eclipse** by precisely coordinating two independent satellites. This capability will enable scientists to observe the Sun's corona, a region typically obscured by the intense brightness of the Sun.
- It consists of **two small satellites** — a **Coronagraph spacecraft** and a **solar-disc-shaped Occulter spacecraft**.
- **Working**

- By flying in tight formation about 150 metres apart, the Occulter will precisely cast its shadow onto the Coronagraph's telescope, blocking the Sun's direct light.
- This will allow the Coronagraph to **image the faint solar corona in visible**, ultraviolet and polarised light for many hours at a time.
- It will provide new **insights into the origins of coronal mass ejections** (CMEs) — eruptions of solar material that can disrupt satellites and power grids on Earth.
- The mission will also **measure total solar irradiance**, tracking changes in the Sun's energy output that may influence Earth's climate.

Source: IT

Source: <https://vajiramandravi.com/current-affairs/proba-3-mission/>

© Vajiram & Ravi. For personal use only.