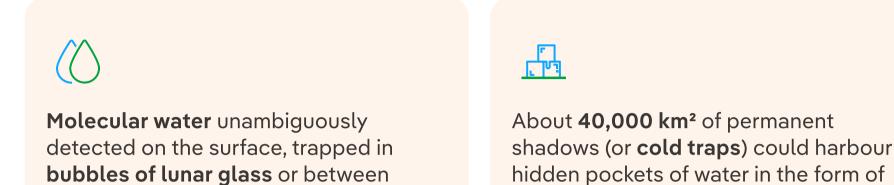
## The **SOFIA** observatory and the confirmation of the existence of **water on the Moon**

Water on the moon may be more **abundant and accessible** than initially thought, a discovery by the SOFIA observatory that could be important for future lunar missions.

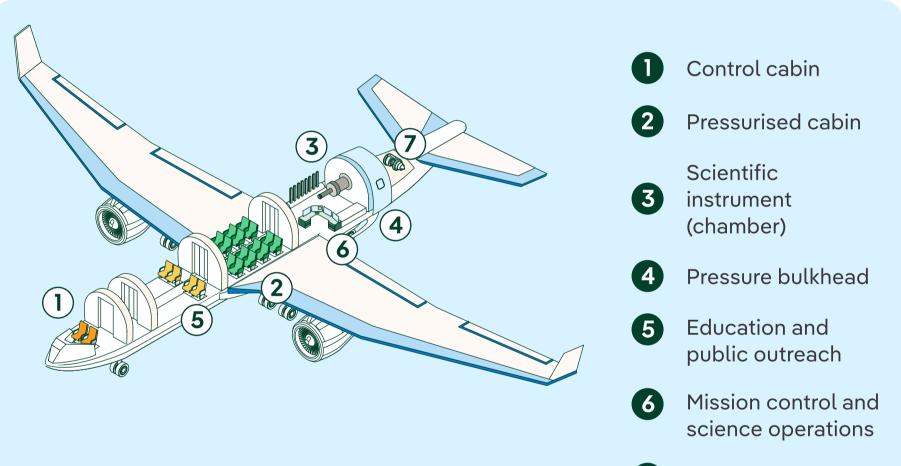
## What were the SOFIA discoveries?

grains of impact debris.



The **Stratospheric Observatory for Infrared Astronomy (SOFIA)** is a modified Boeing 747 that functions as a flying observatory:

ice.





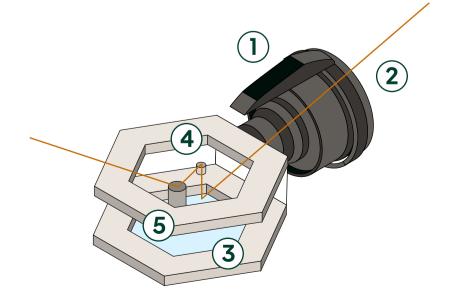
The fuselage door opens to reveal a **telescope** in an unpressurised compartment and the aircraft's altitude allows infrared observation above the layer of water vapour that obscures the atmosphere.



5

- Controls and instruments
- Infrared light
- Primary mirror
- Secondary mirror
- Tertiary mirror

Source: NASA and DLR (German Aerospace Center).





The confirmation of the existence of water on the Moon

[More articles about Innovation]