

# **Mother of Dragons' Comet**

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## **Mother of Dragons' Comet**

The **Mother of Dragons' Comet** is visible in the sky of the Northern Hemisphere.



[Ref: NDTV]

## **About Mother of Dragons' Comet:**

- Visible in the Northern Hemisphere, the Mother of Dragons' Comet is an astronomical phenomenon.
- Known as **12P/Pons-Brooks**, this comet belongs to the Halley-type category, featuring a large nucleus about **30 kilometres in diameter**.
- It is part of the Jupiter family, meaning Jupiter's gravity affects its path.

### **Composition and Behavior**

- Composed of ice, dust, and rocky material, the comet undergoes a transformation when it approaches the Sun.
- Its ice changes from **solid to gas**, creating a tail that points away from the Sun, propelled by solar wind.

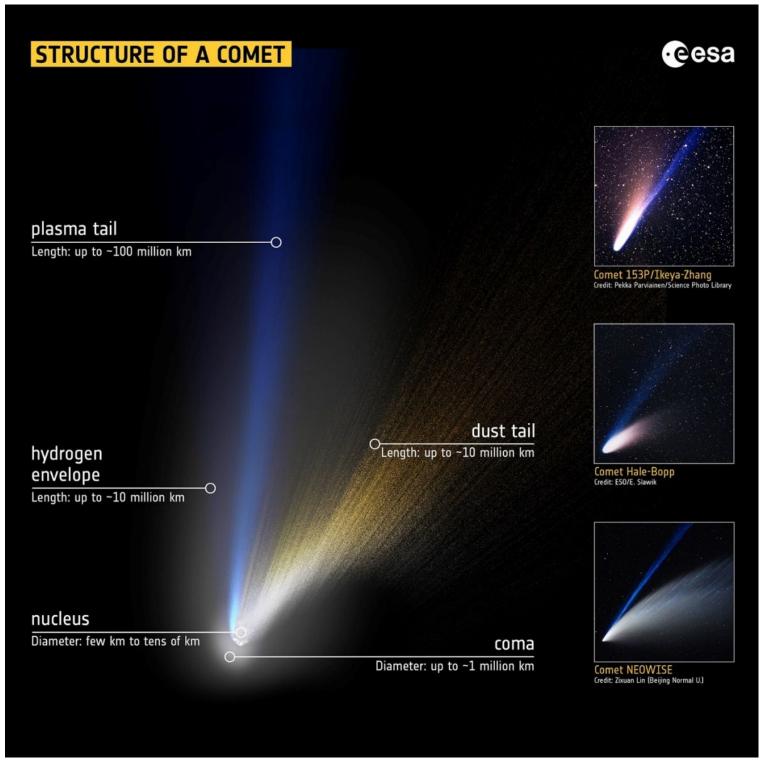
### **Viewing the Comet**

- The comet's visibility varies, appearing bright during peak activity but faint at other times.
- **Optimal viewing** occurs in late March and early April in the Northern Hemisphere, just after dusk, looking towards the western horizon.
- It can be seen with the naked eye, binoculars, or ideally, a small telescope.

#### **Orbital Characteristics**

- The comet completes an orbit around the Sun approximately every 71 years.
- It comes closest to the Sun near Mars' orbit, which allows for visibility from Earth.
- Its **next approach to Earth** is in June 2024, with the best viewing period in late March and early April of the same year.





[Ref: ESA]