

Earth's temporary new mini-moon

Earth has a new “second moon” in the form of asteroid **2024 PT₅** which has been caught by our gravitational pull and will make a captured flyby of the planet for 57 days

**ASTEROID
2024 PT₅**

**One of 18,874
Apollo asteroids**

AMORS

ATENS

SUN

ATIRAS

APOLLOS

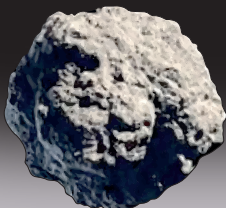
EARTH

**Apollos:
largest
group of
near-Earth
objects**

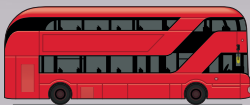
Sept 29:
Asteroid
enters
Earth's orbit

*Period
when
asteroid
becomes
temporary
“second
moon”*

Hails from **Arjuna asteroids**
which include cluster of
four asteroid belts:
**Amors, Apollos,
Atens and Atiras**



10m



Bus shown to scale

Aug 7:
Discovered by **Asteroid
Terrestrial-impact Last
Alert System (ATLAS)**
– robotic early warning
system in South
Africa

Nov 25:
Exits
Earth's
orbit after
56.6 days

*Will return to
Earth again
in 2055*