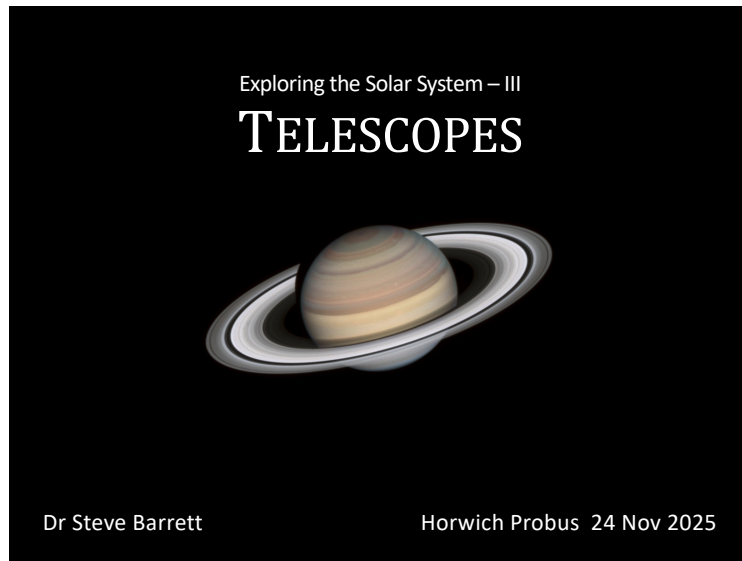


Exploring the Solar System III – Telescopes



Exploring the Solar System III

Telescopes

400 Years of Telescopes

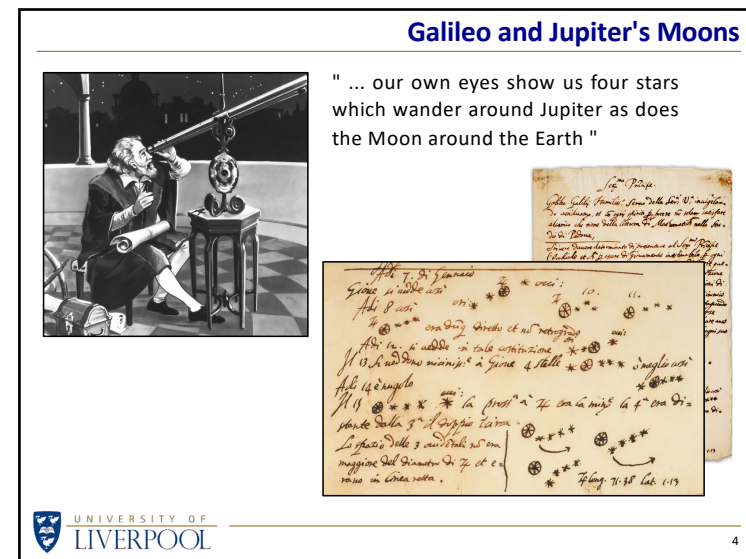
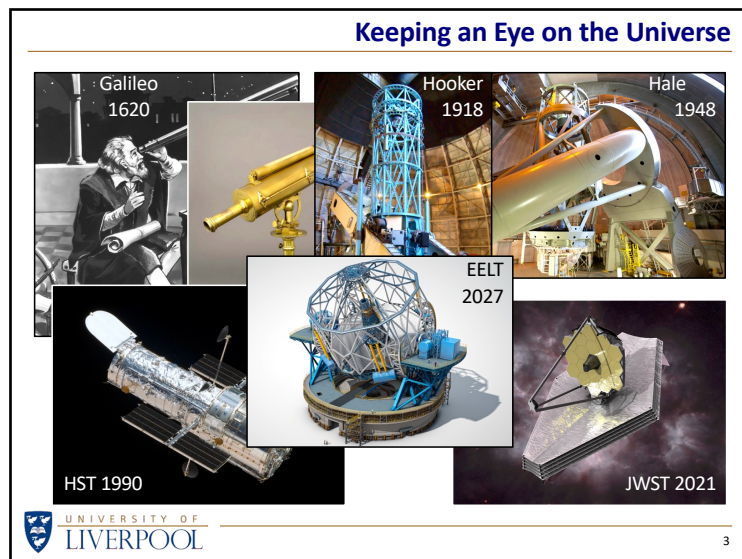
First Views

Latest Views

What Next?



2

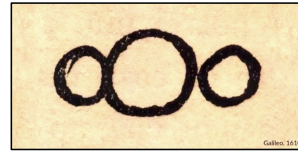


Exploring the Solar System III – Telescopes

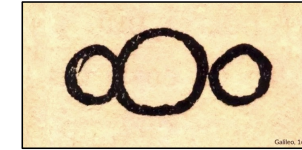
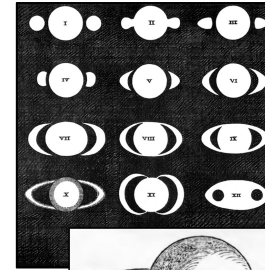
Galileo and Saturn



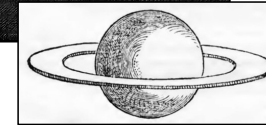
" The first sight that I had of Saturn was of three round stars ... that in the middle considerably larger than the two lateral ones "



The Shape of Saturn



Galileo 1610



Huygens 1659

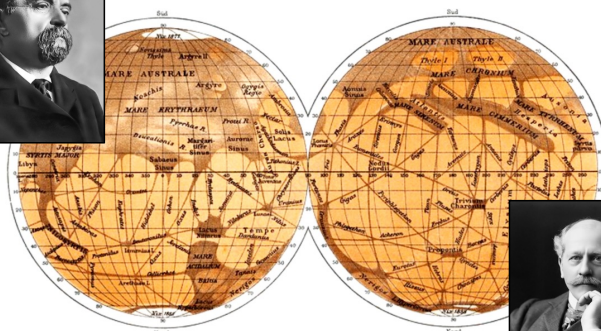


Hubble 2003

Canals on Mars



Schiaparelli 1880s



Lowell 1890s



Canals on Mars

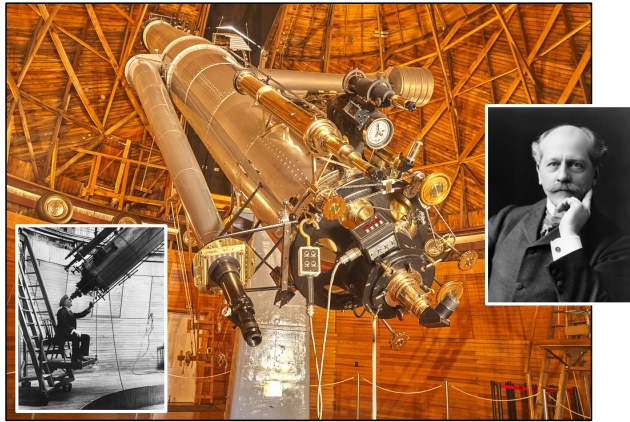


"... there can be no doubt that living beings inhabit our neighbor world"

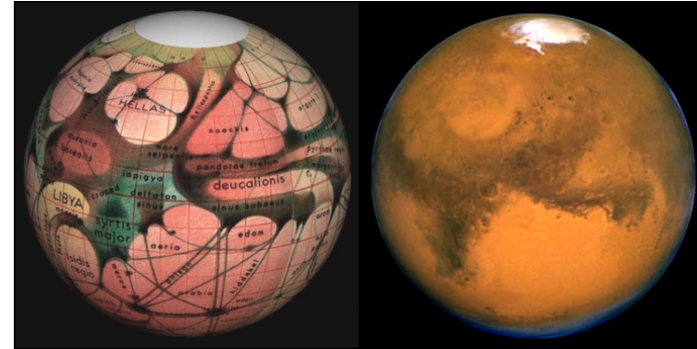
Lowell 1906

Exploring the Solar System III – Telescopes

Lowell Observatory



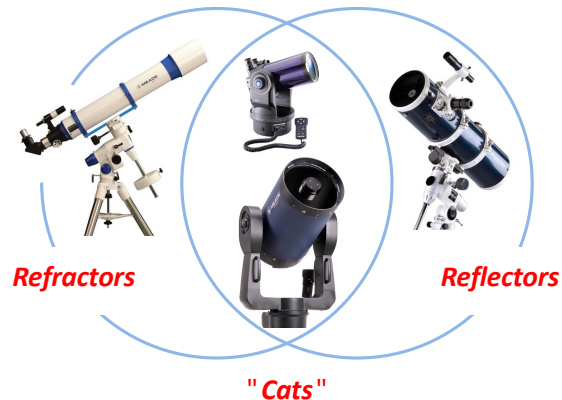
Canals on Mars



Antoniadi 1894

Hubble 2003

Amateur Telescopes

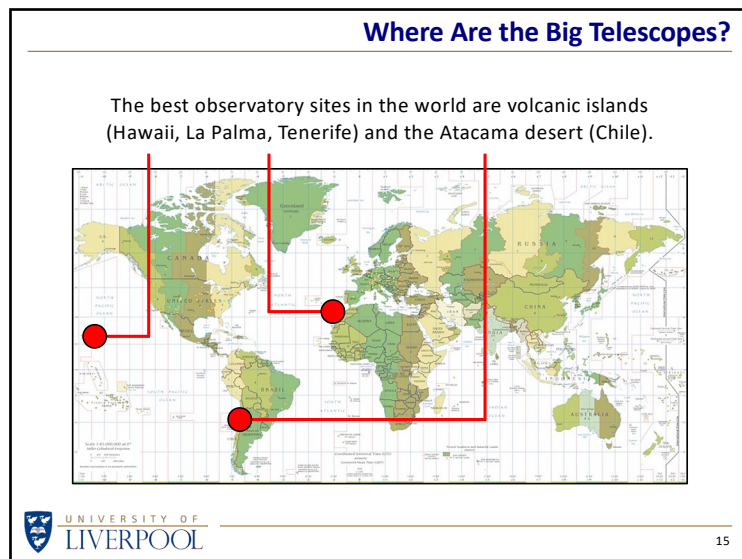
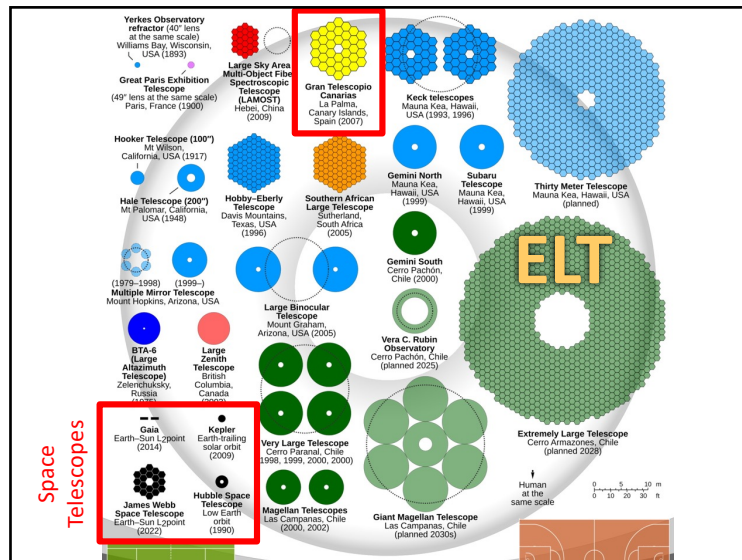


Amateur Telescopes

Some amateur
telescopes are
very big and
very expensive.

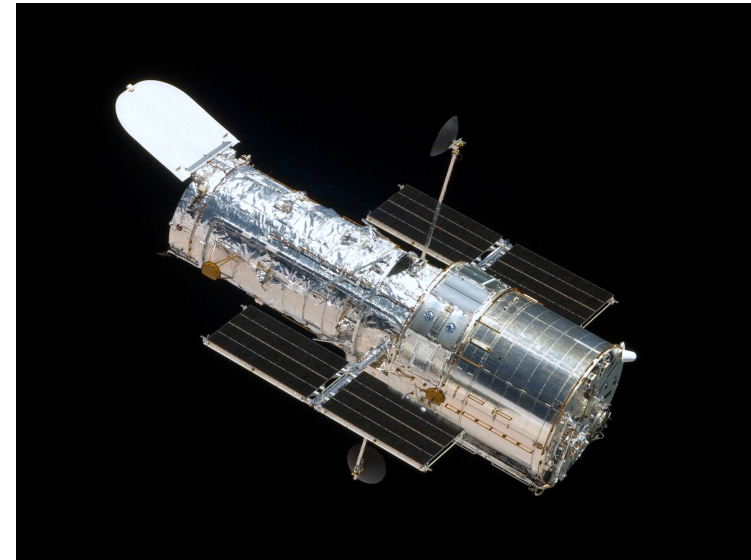


Exploring the Solar System III – Telescopes

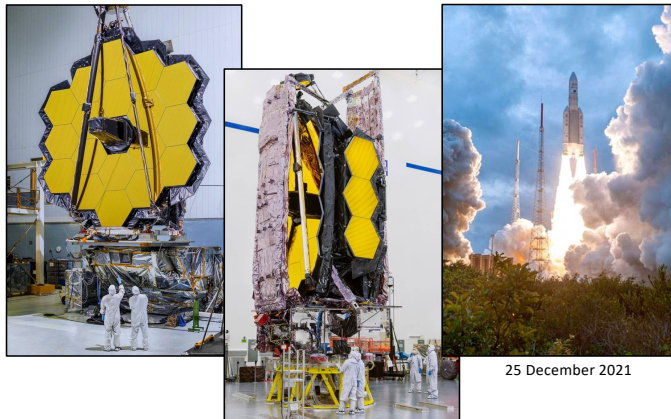


Exploring the Solar System III – Telescopes

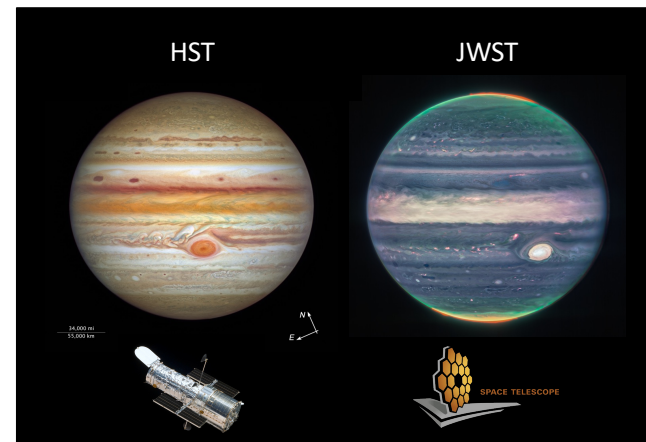
Higher Than a Mountain Top



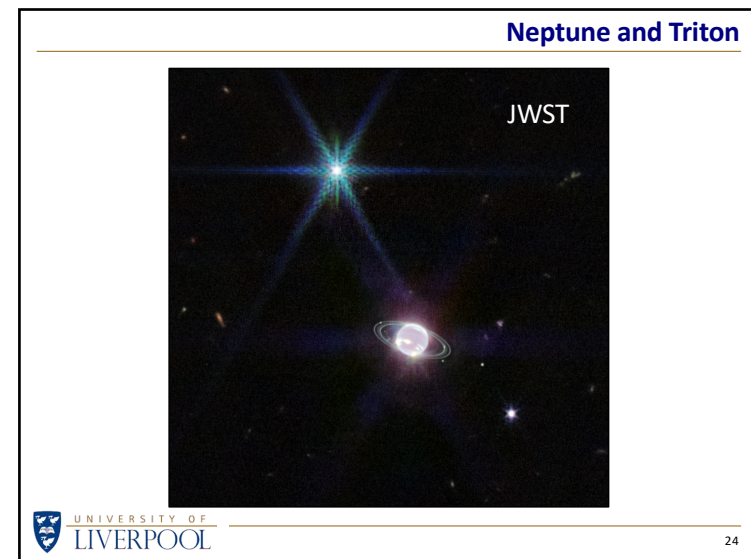
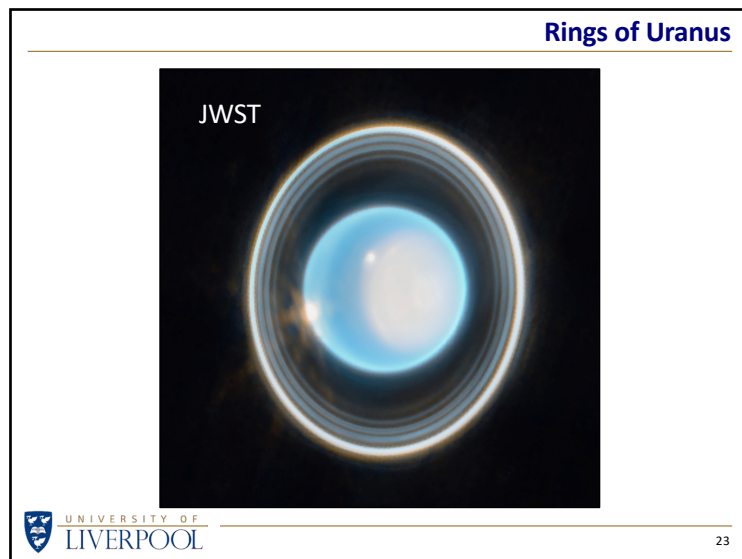
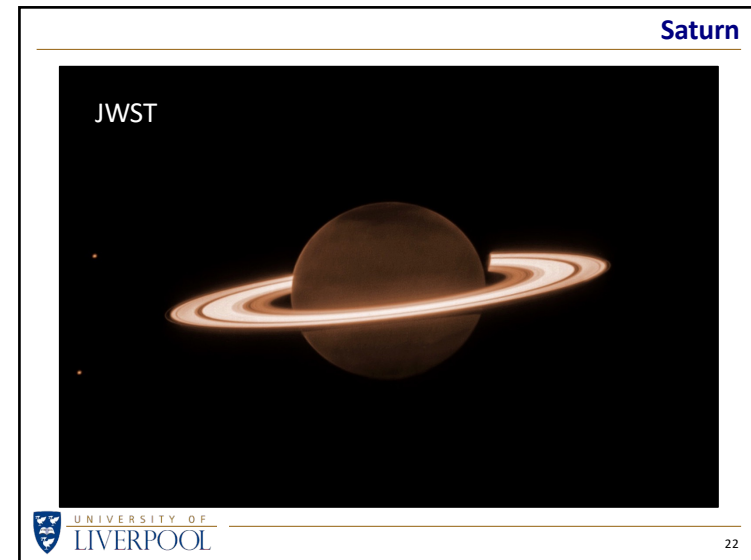
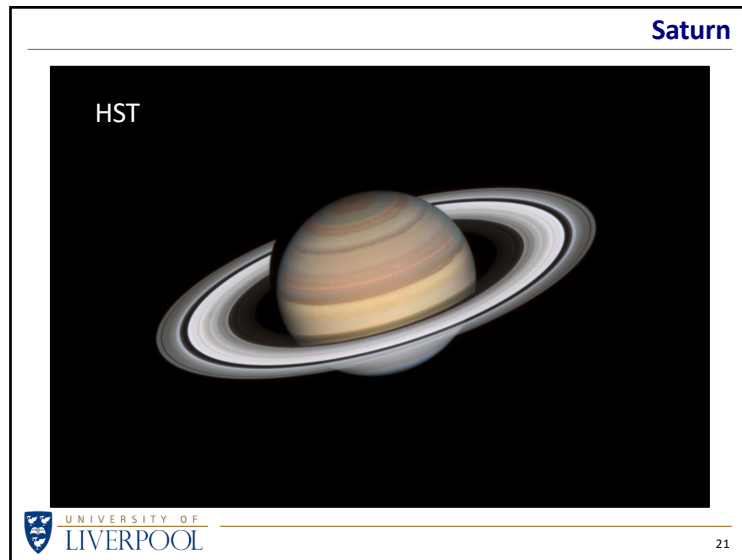
James Webb Space Telescope



Jupiter



Exploring the Solar System III – Telescopes

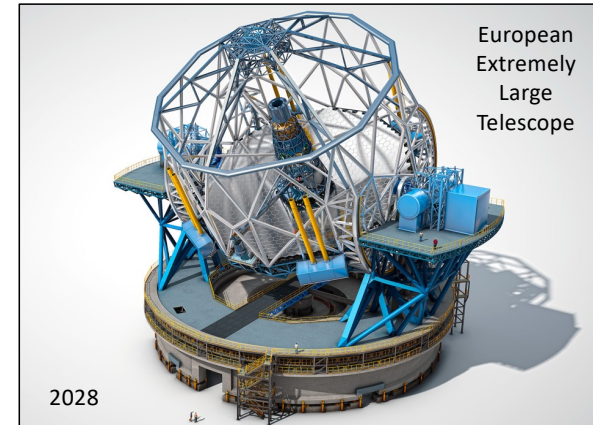


Exploring the Solar System III – Telescopes

Under Construction – LSST



Under Construction – EELT



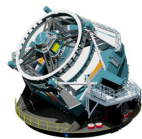
Want To Know More?



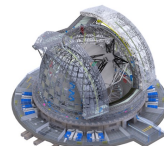
HubbleSite.org



WebbTelescope.org



LSST.org



ELT.ESO.org

Exploring the Solar System – III

TELESCOPES



www.liverpool.ac.uk/~sdb/Talks

Dr Steve Barrett

Horwich Probus 24 Nov 2025