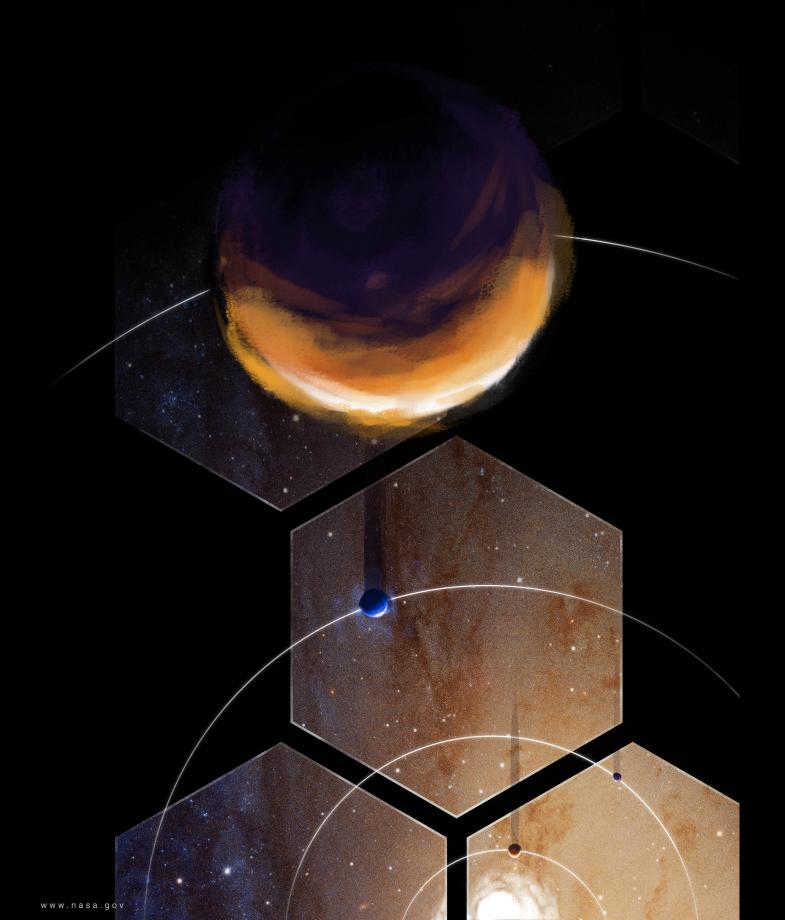


L U V O I R





Large UV/Optical/Infrared Surveyor

Solar System

http://asd.gsfc.nasa.gov/luvoir

LUVOIR is a concept for a highly capable, guest observer-driven space observatory with tens to thousands of times the science grasp of HST. LUVOIR would enable transformative breakthroughs in Solar System science by combining a large aperture, broad wavelength coverage, and long operational lifetime with a suite of powerful instruments.

ECLIPS: Near-UV to near-IR coronagraph with imaging spectroscopy

LUMOS: Far-UV to optical multi-object spectrograph and imager

HDI: Near-UV to near-IR high resolution wide-field camera

POLLUX: Far-UV to near-UV spectropolarimeter (European instrument)

Outer Bodies

15-m LUVOIR can image 3.5 km bodies at 40 AU in 75 sec.

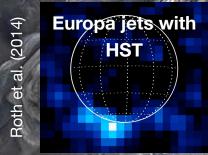


NASA / New Horizons

15-m LUVOIR

Ocean Moons

LUVOIR can provide spectral imaging of water jets from icy moons.



15-m LUVOIR

Ballester (LPL)

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Atmospheric

LUVOIR's optical imaging of Jupiter at opposition will have resolution comparable to this background image from the JUNO spacecraft, permitting long-term monitoring of dynamics on Solar System gas giant planets.