

The Falcon heavy main stage from this launch will land 7-1/2

Psyché, a spacecraft named for the asteroid it is being sent to explore, is a major international project led by Arizona State University, School of Earth and Space Exploration in Tempe, AZ. The spacecraft will launch atop a Falcon Heavy booster from Launch Complex 39A at the Kennedy Space Center in Florida. About 2-1/2 minutes after launch, the first stage will shut down, and 3 seconds later the second stage will ignite which will push Psyche towards Mars. A gravity Assist maneuver at The Red Planet will put the spacecraft on course to the asteroid. The Psyche spacecraft will spend 21 months orbiting the asteroid and gathering science data with a magnetometer, a multi-spectral imager, and a gamma ray and neutron spectrometer. The information the instruments gather won't just help scientists understand this particular object; it will lend valuable insight into how Earth and other planets formed.

Psyché



Psyché

Launching a mission of discovery on a Falcon Heavy rocket for the National Aeronautics and Space Administration

2022-08

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minutes after launch on an autonomous landing barge in the Atlantic Ocean off the coast of South Carolina, while the two side boosters will return to Cape Canaveral to land at Landing zones one and two at the former Launch Complex 13.



QR Code for Launches.Mobi Launch Status Report



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### Bioluminescence Tour – Family Rafting

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### Sunset Kayaking with Bioluminescence

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