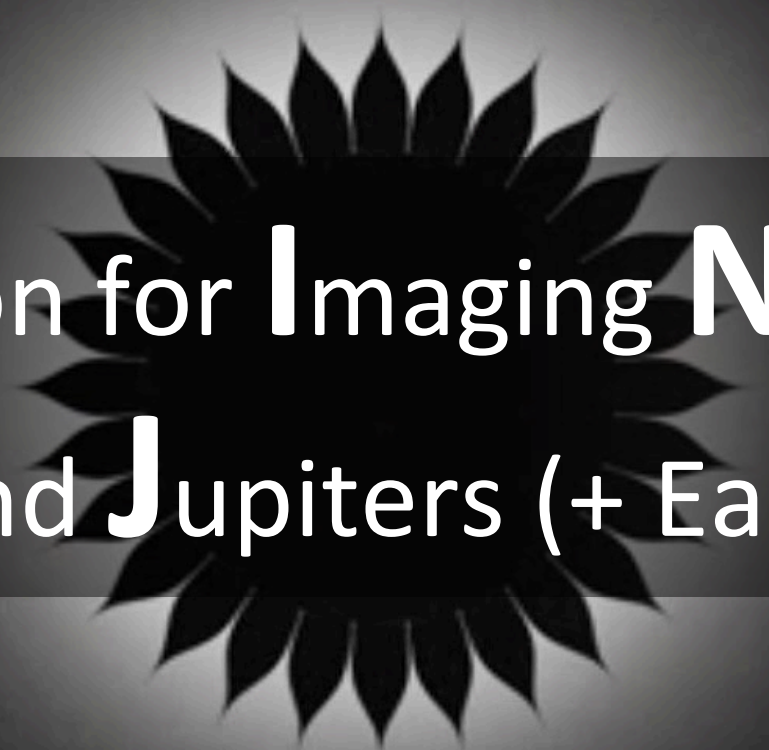


MINAJ Starships

“were meant to fly!”



Mission for **I**maging **N**eptunes
And **J**upiters (+ Earths)

Mission Parameters

The background of the slide features a faint, artistic illustration. In the center is a large, multi-lobed starshade, resembling a stylized sun or a flower with many pointed petals. To the left of the starshade is a bright, glowing orange-yellow sphere representing a star. To the right of the starshade is a smaller, dimmer blue-white sphere representing a distant planet or exoplanet.

Telescope Size	1.5 m
Starshade size	30 m
IWA	$1 \lambda/D = 0.076''$
Contrast	1×10^{-11}
$\Delta\lambda$	0.27 μm
Exoplanet Science Fraction	0.9

Cost Analysis

**Telescope
spacecraft**

**Starshade
spacecraft**

Launch Vehicle

Launch Margin

Total budget

Spacecraft D

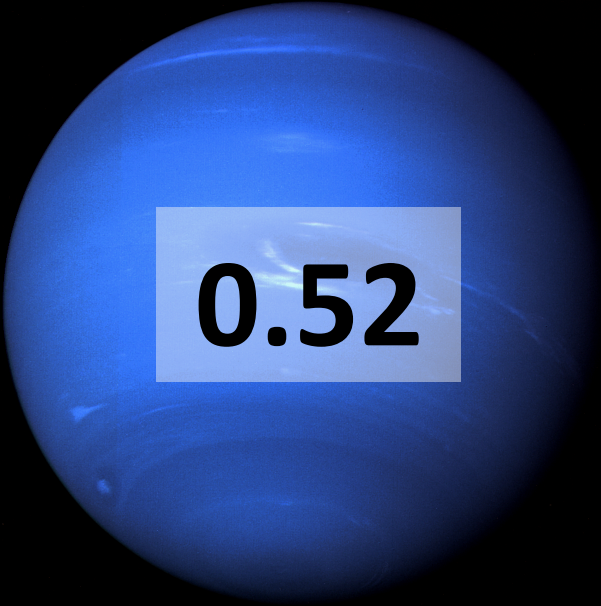
Spacecraft W

L/V E

2665 kg

1394 M\$

Planet Yields



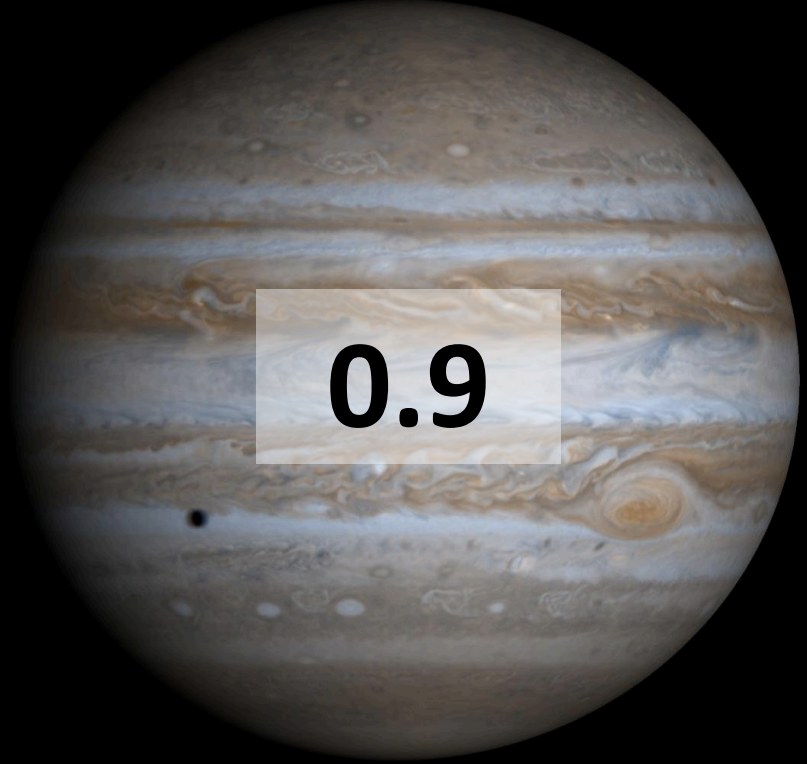
0.52



2.66



1.23



0.9