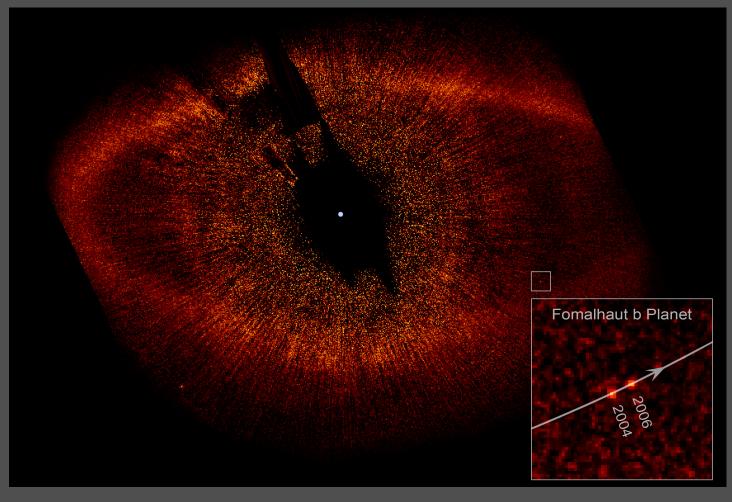


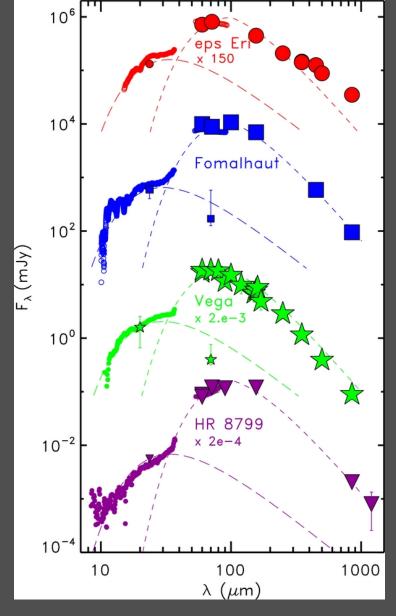
Tiffany Meshkat

IPAC Research Scientist

& Matt Kenworthy, Paul Kalas, Benne Holwerda, Kevin France

## Debris disk and planet (?)

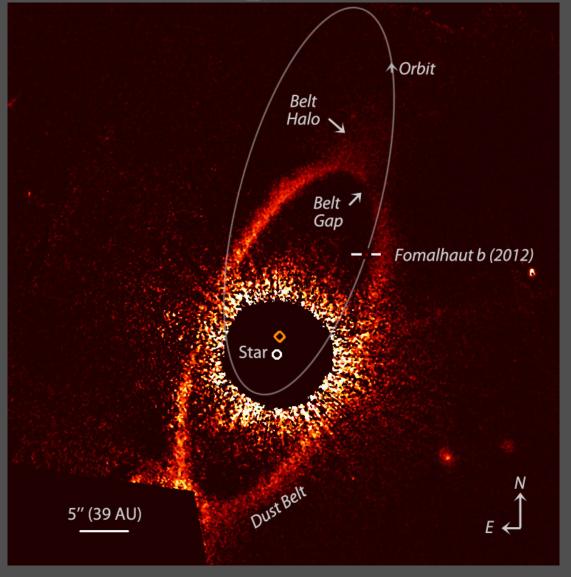




Kalas et al. 2008

Su et al. 2013

## Fomalhaut b is not responsible for the disk shape



Kalas et al. 2013

Fomalhaut is passing in front of a background star

## The challenge

## Work in progress

- Optical depth profile models
- Constrain the albedo of the grains
- Mass of grains, size, composition
- First experiment of this sort sheds light on the dust structure in a known planet forming system.

