



A Mirage or an Oasis? Water Vapor in the Atmosphere of TOI-674 b

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[@YoniAstro](https://twitter.com/YoniAstro)

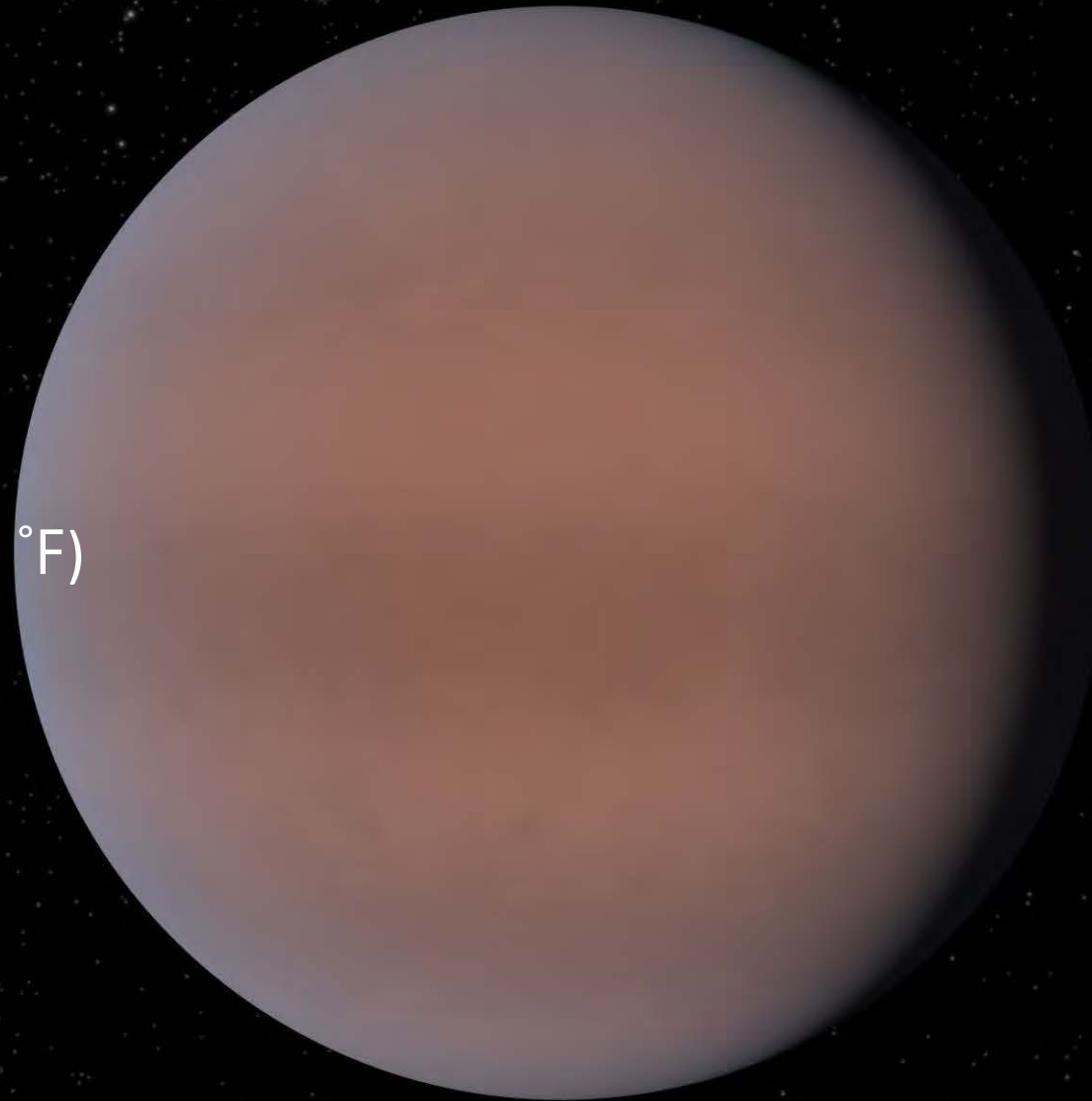


Department of Physics and Astronomy
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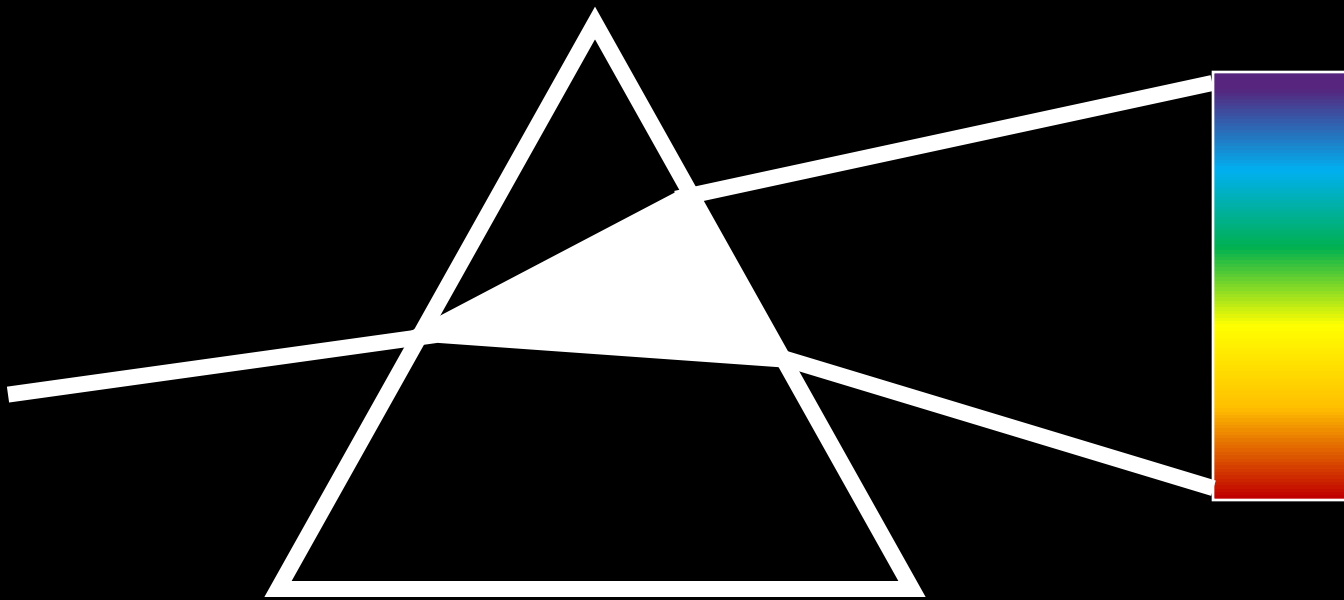


TOI-674 b

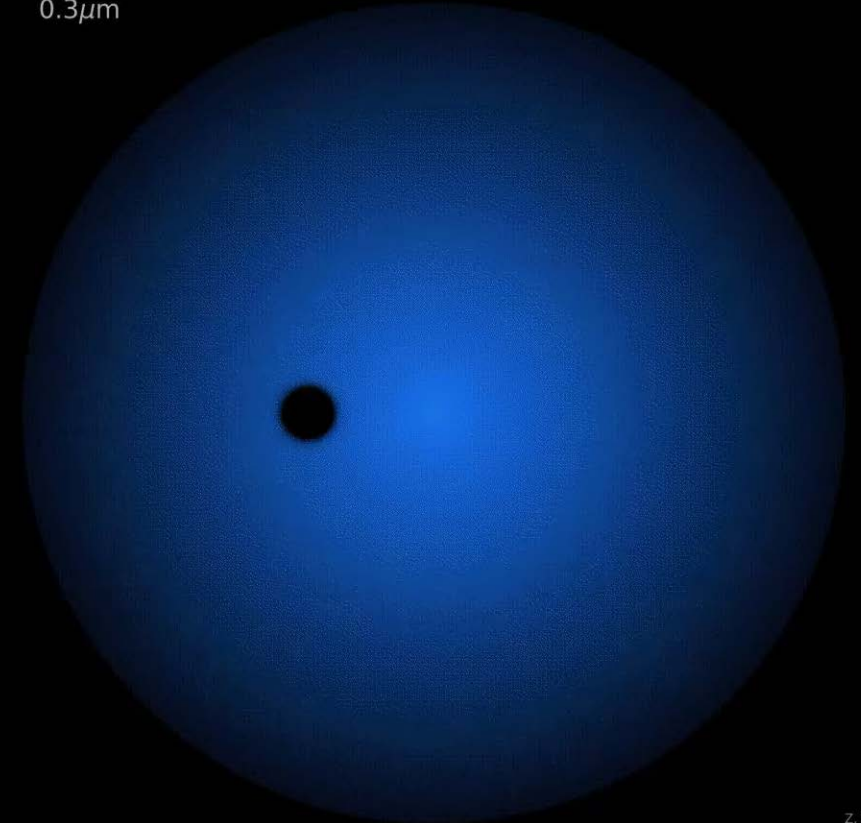
- 5.2 Earth Radii
- 23.6 Earth Masses
- 1.977 day period
- 635 K (360 °C, 680 °F)



WFC3 Spectroscopy

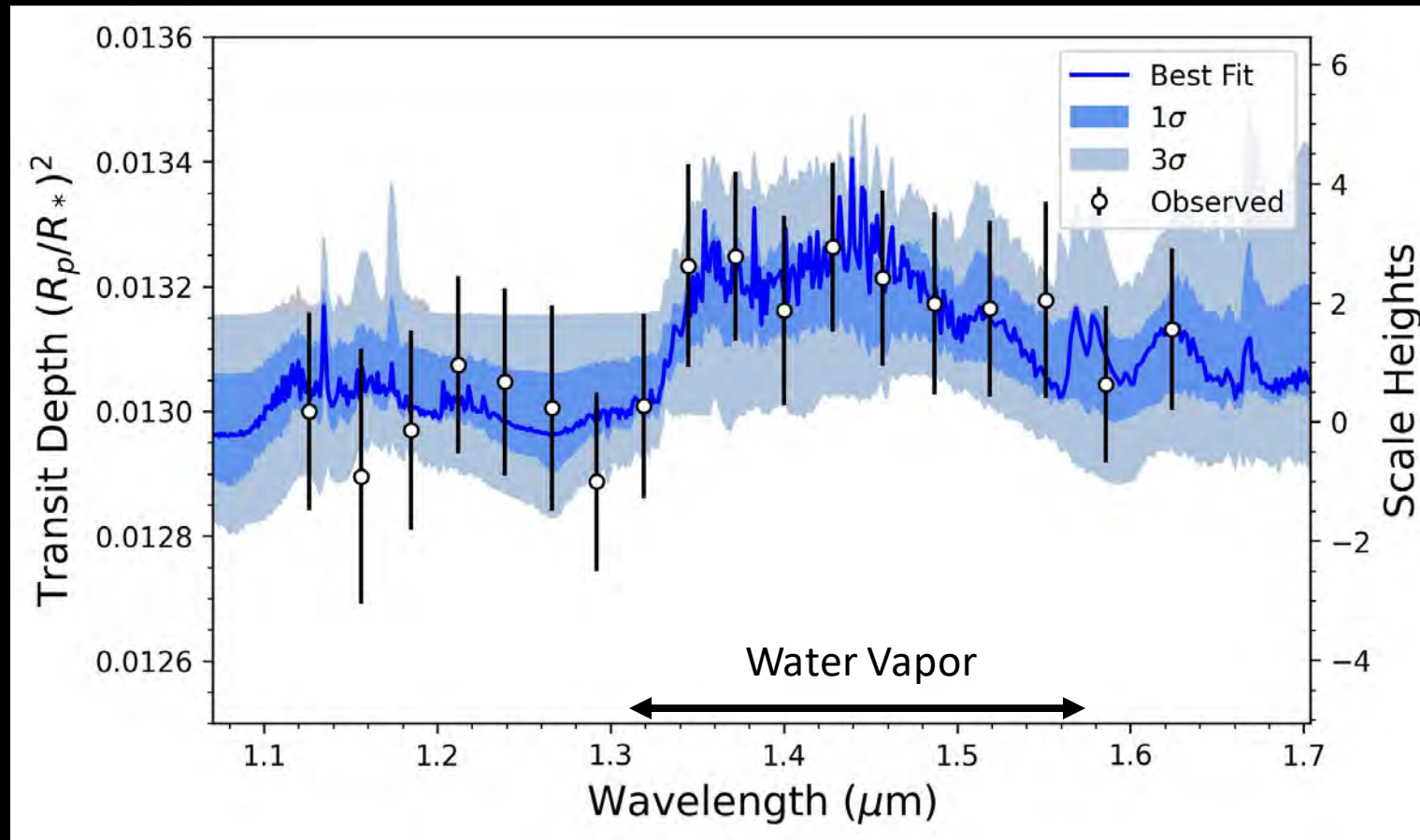


0.3 μ m



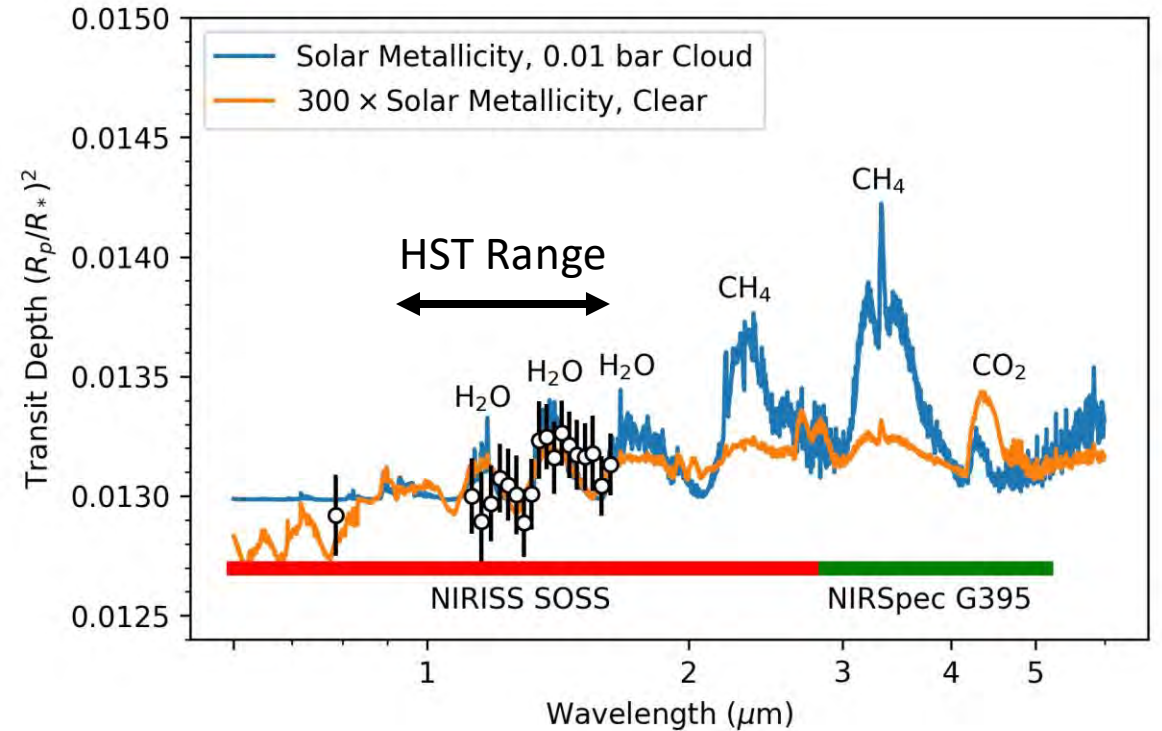
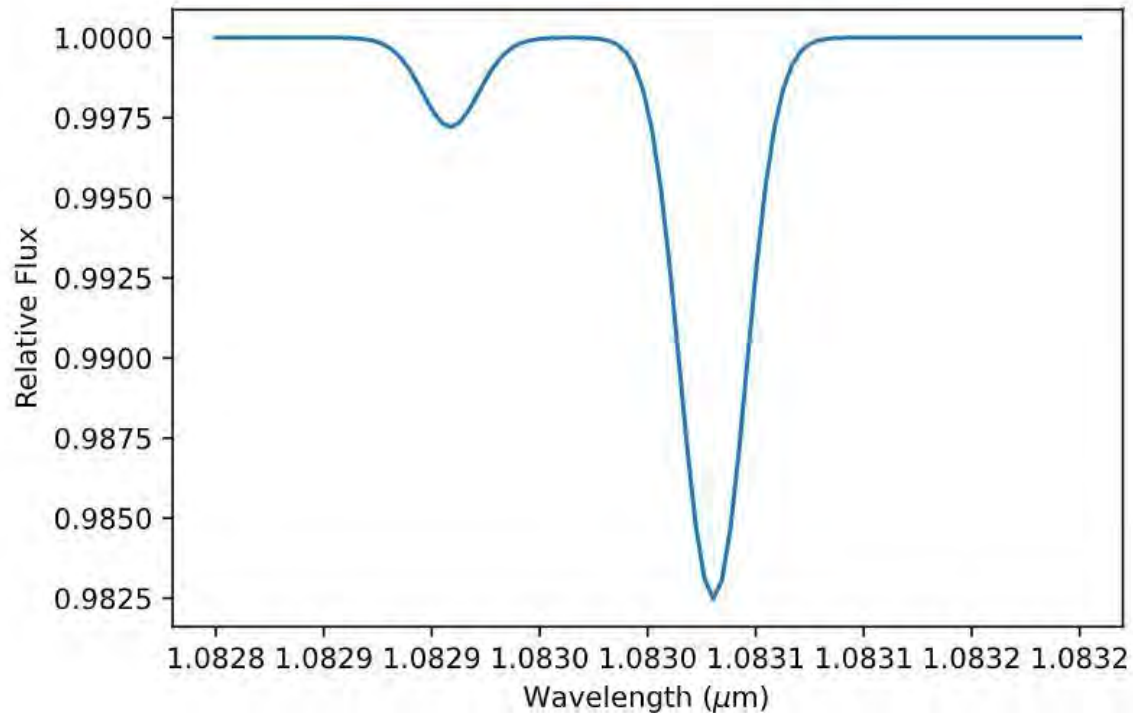
Z. Rustamkulov

Atmospheric Retrievals

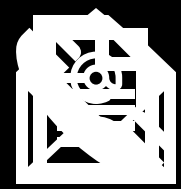


Brande et al. (submitted)

Conclusions + Next Steps




Brande et al. (submitted)



Summary + Contact Info

- We find evidence for water vapor in TOI-674 b
- JWST will be critical for precise abundances
- Further study will help explain other Desert planets

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