



## **Probing the Atmosphere of Hot-jupiters with Spitzer IRS**

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## **Abstract**

Molecules serve as powerful probes of the conditions, composition, and chemistry of exoplanet atmospheres. Using precision spectroscopy, it is possible to detect these molecules and provide the observations required for detailed, model-based, physical interpretations. Spectra of the primary and secondary eclipse events in transiting planets allow the crude spatial localization of molecular abundance estimates and thus probe the differences between the dayside and nightside atmospheres. We present here new observations with the Spitzer-IRS instrument.