

Optical Transmission Spectra with IMACS on Magellan Baade

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Transmission Spectroscopy is an exciting observational technique which allows us to gain insight into the atmospheres of gaseous exoplanets while they transit their host stars. Using IMACS on the Magellan Baade telescope, we have started a survey (MOPSS: the Michigan Optical Planetary Spectrum Survey) to study the atmospheres of exoplanets at optical wavelengths, with hopes of measuring Rayleigh scattering slopes and compositions, as well as constrain the existence of alkali absorption features. Here I present results for several of our current data sets, as well as future plans and progress towards our southern hemisphere survey goals.

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