

Analysis of the impact of photospheric activity on the characterization of exoplanetary atmosphere"

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The spectroscopic characterization of exoplanetary atmospheres is affected by the host star's photospheric activity. We have assessed a robust method to correct the observed spectra for the presence of starspots, assuming a 1-spot dominant model to simulate the emergent flux. Here we present the first results of our simulations on the effects and corrections of photospheric activity, based on the extensive analysis of M spectra from the SDSS database.