

Sofi Martínez Fortis

Observatory + Instrument

I will observe the light-curves of exoplanets in search of false positives at Las Cumbres Observatory (LCO) using the Sinistro imager in 1m telescopes in Sliding Spring Observatory (New South Wales, Australia), South African Astronomical Observatory (Sutherland, South Africa), Cerro Tololo Observatory (District IV, Chile), McDonald Observatory (Fort Davis, TX), and Teide Observatory (Tenerife, Canary Islands).

NASA's TESS telescope's bandpass is in the 600-1000 nm range and it is centered about the Cousins I-band. Therefore, LCO's Sinistro is an appropriate instrument to carry out this project since it has the Johnson-Cousins UBVRI filters.