Abstract

Spitzer-IRAC Observations of Star Forming Regions and their YSOs


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Spitzer's IRAC camera has obtained four color images of numerous star forming regions, including DR21, Cepheus C, S171, S140, and NGC 7129. The images reveal the stellar sources, while IRAC photometry enables new diagnostics that identify many of the stars as having significant emission from circumstellar dust, or ongoing disk / envelope accretion. The images clearly trace the shocked gas in these regions, and reveal many small, very red nebulous objects. In this illustrated talk we will review the IRAC observations of star formation regions, and discuss the particular case of DR21 where we have discovered the dominant source IRS1 (previously misidentified): a young, massive embedded ~O8 star still with a luminous, accreting envelope.