

A Large-scale Unbiased Survey for Outflows in Molecular Clouds with Embedded IRAS Sources

We have begun a survey of lesser-known star formation regions using the Kitt Peak 12 meter telescope, currently operated by Steward Observatory. Our goal is to compile a database of molecular outflows in these under-studied regions, many of which lie at distances greater than 500 pc. We present our ^{12}CO ($J=1-0$) On-the-Fly maps, along with HIRES-processed IRAS data, of selected molecular clouds. Our IRAS HIRES maps reveal the more luminous members of the embedded young stellar population, while the ^{12}CO observations (55" beam, 0.26 km/s velocity resolution) allow us to identify a number of previously unknown molecular outflows. We discuss ways in which future infrared space missions, SIRTf in particular, may be used to take a more complete census of the YSOs in these regions.