

Q27b **MOGSS: A high-resolution “sampler survey” of Galactic Molecular clouds**

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We present preliminary results from a new project, the “Mopra Galactic Sampler Survey” (MOGSS). This project nominally uses the Mopra Telescope in Australia to probe to high resolution- the chemical structure of 30 selected Galactic molecular clouds with 29 different molecular transitions. Combining three different observations modes to sample the cloud peaks and environments, the study will generate a formidable statistical dataset from which we can examine the statistical properties of the Galactic clouds as an ensemble: where we can examine the morphological properties and chemical characteristics in the context of our Galaxy: and also on an individual level, to examine how the chemistry varies within each individual cloud. Ultimately, we hope to also employ NANTEN2 and ASTE data to complement these 3mm band observations with shorter wavelength and higher-transition information. At this early stage, we present some of our preliminary results and analyses. These preliminary data show reasonable agreement with existing data that have revealed a distance dependence on HCN/HCO⁺ ratios, but the new analyses made on cloud-scales show an interesting divergence from the peak properties.