

## CARMA 1 CM LINE SURVEY OF ORION-KL

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We have conducted the first 1 cm (27-35 GHz) line survey of the Orion-KL region by an array. With a primary beam of  $\sim 4.5$  arcminutes, the survey looks at a region  $\sim 166,000$  AU (0.56 pc) across. The data have a resolution of  $\sim 6$  arcseconds on the sky and 97.6 kHz (1.07-0.84 km/s) in frequency. This region of frequency space is much less crowded than at 3mm or 1mm frequencies and contains the fundamental transitions of several complex molecular species, allowing us to probe the largest extent of the molecular emission. We present the initial results, and comparison to 3mm results, from several species including, dimethyl ether [(CH<sub>3</sub>)<sub>2</sub>O], ethyl cyanide [C<sub>2</sub>H<sub>5</sub>CN], acetone [(CH<sub>3</sub>)<sub>2</sub>CO], SO, and SO<sub>2</sub>.