A PULSAR SURVEY OF MID-LATITUDE EGRET ERROR BOXES

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We present initial results from a survey of unidentified Galactic $\gamma$–ray sources at latitudes $b > |5^\circ|$ with the Parkes multibeam pulsar system. These sources have a spatial distribution that can be fit to a Gould Belt + Galactic Halo model, and are also well correlated to the millisecond pulsar distribution. Each EGRET error box is covered by a series of four $\sim 35$ min. pointings with the multibeam receiver with 125 $\mu$s time resolution, allowing us to have sensitivities to pulsations of $\sim 0.2$ mJy.