

2MASS Large Galaxy Atlas
T.H. Jarrett, S. Van Dyk & T.J. Chester
IPAC/Caltech

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The 2MASS Extended Source Catalog (XSC) will include all resolved galaxies, regardless of their size, but will not accurately record the integrated flux for the largest galaxies due to their proximity to a "scan" edge. A typical 2MASS survey scan is 8.5 arcmin * 6 degrees, with 10\% overlap between scans. Galaxies that are smaller than the overlap, $D \sim 50$ arcsec, are guaranteed to be fully sampled in at least one survey scan. Larger galaxies may be truncated based on their proximity to a scan edge. Therefore we are constructing an atlas of large galaxies made from "pieces" of adjoining scans. The atlas will consist of galaxies ranging in size from 2 to 30 arcmin, with a typical resolution of ~ 3 arcsec (1 arcsec pixels) in the 2MASS NIR bands (J, H, Ks). The completed atlas provides the aggregate flux for each galaxy and a detailed view of the infrared morphology.

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