

Probing Ancient Mass Loss with AKARI's Extended Thermal Dust Emission Objects

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We present the results from the calibration and analysis of 166 far-IR extended thermal dust emission objects that were observed with AKARI's FIS detector. The primary goal is to map the circumstellar shells of evolved stars in detail to excavate the ancient history of dusty mass loss. After establishing an extended aperture photometry method, we characterized the flux-dependent slow transient response correction factors for each of the four wavelength bands. Using the new correction factors for extended emission, we present the photometric values that were calculated for the entire data set and also report on the color correction and beta fittings.