

QSO IDENTIFICATION AND FAINT GALACTIC STRUCTURE WITH BATC MULTIBAND DATA

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We present intermediate-band spectral energy distribution (SED) of QSO candidates in Leo Triplet field. Our photometry is based on BATC survey data, which consist of hundreds of 15 intermediate-band images. In order to derive SED of high signal to noise ratio for every sources in the field, we have combined images of the same filter and matched the sources in the combined images. QSO candidates were identified based on the shape of derived SED curves. We compare our results with Arp et al. (2002)'s QSO candidates based on X-ray information. We also derived SED of NGC3628 and its faint structure by surface photometry. We try to find the correlation between the galaxy and its faint structure.