

Progress Report on the Search for Globular Clusters in M33

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We present a progress report of our search for globular clusters in M33(=NGC 598), a spiral galaxy in the Local Group.

BVI CCD images for six fields in M33 were obtained on 3 nights in 2001 & 2002 at the Canada-France-Hawaii Telescope (CFHT) 3.6m telescope with the CFH12k wide-field mosaic CCD camera. The total area observed is $53.5' \times 81.5'$, covering an almost entire area of M33 where globular clusters are expected to be.

Color-magnitude diagrams of the point sources in the fields will be presented, where stars, previously known globular clusters and new globular clusters are included. We use several criteria to search for globular clusters: color-magnitude diagrams, stellarity (from the SExtractor program), and image details. Statistical properties of the globular cluster candidates in M33 will be discussed.