Extracting Point Sources from the LWS Serendipity Mode

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Two methods have been adopted to attempt to extract point sources from LWS serendipity data. Post-pipeline processing, which looks for detections on adjacent detectors in slews has produced an initial set of 6706 candidates in the 538 available revolutions. A first analysis of all the candidates has allowed us to extract an initial list of 53 possible identifications, including IR sources, stars, emission line stars and maser sources. It is likely that this analysis is insufficient to detect all sources and one source not identified in any catalogue has been identified. A second method of using the fourier transform of the slews is also discussed however the size of the LWS beam and the speed of slewing is shown to be a limiting factor for most purposes.