

ADVANCED TECHNIQUES AT THE EOS SPACE RESEARCH CENTRE

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Abstract

The EOS space Research Centre [SRC] at Mount Stromlo is committed to research and development of laser ranging and tracking, as well as related techniques in astronomy and optical communications.

The SRC has very substantial infrastructure and a super-set of tracking system characteristics. Current facilities include 100 cm and 180 cm telescopes, kW-class lasers, and AO systems. These capabilities allow the SRC to develop metrics for a wide range of operational tracking systems, including systems specifically designed for the accurate tracking of space debris.

An outline of EOS programs in space debris tracking and harm mitigation will be presented.