

## **LUNAR RANGING FROM MOUNT STROMLO**

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*The Mount Stromlo SLR system is co-located with the EOS space Research Centre [SRC] which has extremely powerful laser tracking capabilities.*

*The SLR normally operates with 0.5W of laser power, but in recent months the system has been coupled to an available 50W laser and LLR sessions have been programmed from late May by EOS, using EOS research funds.*

*The LLR link should be acceptable with 50W laser power, since the SLR telescope has 100cm high-quality optics and 5 microradian absolute pointing. The accuracy of the experimental configuration will be at the 10 cm level, but this can be later upgraded once target links have been established.*

*The initial objective of this experiment is to determine [update] the relative responsiveness of various lunar targets, and establish operational parameters for a long-term lunar capability using millimetre-accurate systems.*

*The operational configuration of this system, and any initial results will be presented.*