

Development of automated SLR data processing at Mount Stromlo SLR Station.

Dr Christopher Moore¹

¹*EOS Space Systems, , Australia*

One major component of SLR automation is the capability to process raw ranging measurements, to identify and extract the satellite signal (ie true echoes) from noise and thus form full rate and normal point data products. At Mount Stromlo, automated post-processing has been in development and testing for some time, during which various techniques have been developed to identify signal in SPAD generated data obtained in a wide variety of atmospheric conditions. This paper describes these techniques and their application to automated processing which has now reached a level of maturity such that it is about to become routine at Mount Stromlo.