

## Station Assessment Software - Overview

Justine Woo<sup>2</sup>, Evan Hoffman<sup>1</sup>, Mark Torrence<sup>3</sup>

<sup>1</sup>National Aeronautics and Space Administration, Greenbelt, United States, <sup>2</sup>Sigma Space Corp., Lanham, United States,

<sup>3</sup>Stinger Ghaffarian Technologies, Inc., Greenbelt, United States

With the continued growth of the Satellite Laser Ranging (SLR) network, an understanding of the overall performance and health of the network is necessary. This is needed to recognize the achievements and realization of goals set by the International Laser Ranging Service (ILRS) including contributions to the International Terrestrial Reference Frame (ITRF). To ensure this information is communicated, a station assessment software has been developed. The software analyzes how well the system performance standards are being met and where there is room for adjustment and improvement in both the standards and on the station side. In addition to the system performance standards, tracking capabilities, interleaving, normal points per pass, and priority list adherence are also analyzed for applicable stations. This presentation provides a review of the system performance standards, a brief overview of initial results, and future goals.