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SESSION Session 4: Automation and autonomous station operations

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TITLE   Automatic scheduling of satellite passages at the SOS-W

ABSTRACT

In previous publications we reported on the tracking assistant of the Satellite Laser Ranging System SOS-W, which was implemented for simplifying the satellite tracking procedure. This step was necessary because of the increased load to the observer at the Geodetic Observatory Wettzell, who has to handle two SLR-Systems simultaneously, namely the SOS-W and the WLRS. While the previous approach was build to simplify the tracking process only, we now report on an automatic scheduling procedure for satellite passages. Combining both, the tracking assistant and the passage scheduling process allows for automatic operation of the SLR-system SOS-W.