Graz Experience with HEO Ranging

Kirchner Georg

Austrian Academy of Sciences, Austria

Georg.Kirchner@oeaw.ac.at

Collecting about 1000 points per NP for HEO satellites, and applying frequent pass switching, we can track the full GLONASS constellation, plus Chinese Compass satellites, and will be able to add also the full GALILEO satellite configuration for SLR tracking, without any decrease in accuracy.

We checked also the number of returns per second for all HEO satellites, mainly to determine the improvement with uncoated retros vs. coated versions; in addition, we recorded the times to acquire HEO satellites (day/night).