

The methods of converting
observation data of SLR between
two nearby stations

The second (differential) method

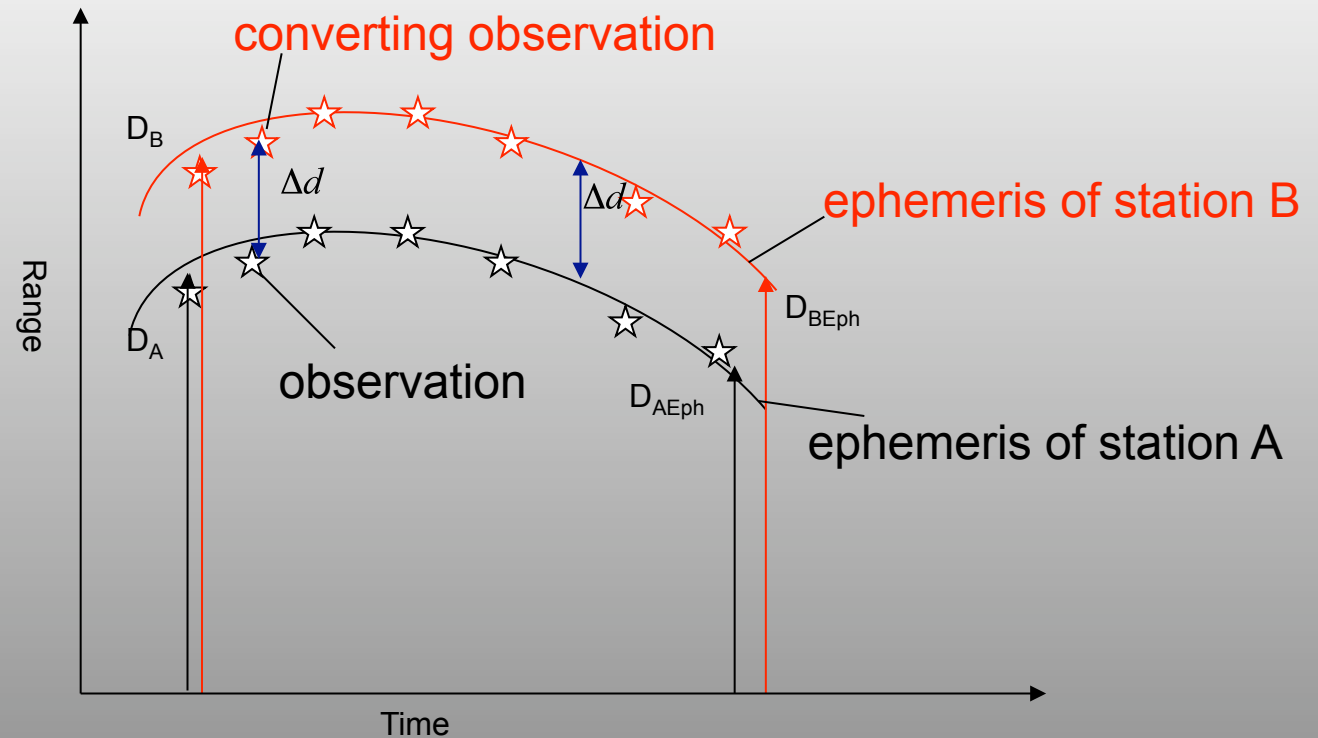


Figure 1. The conditional image of a differential method

Difference between two ephemerides

$$\Delta d = D_{AEph} - D_{BEph}$$

Converting observation

$$D_B = D_A + \Delta d$$

Approximation of result

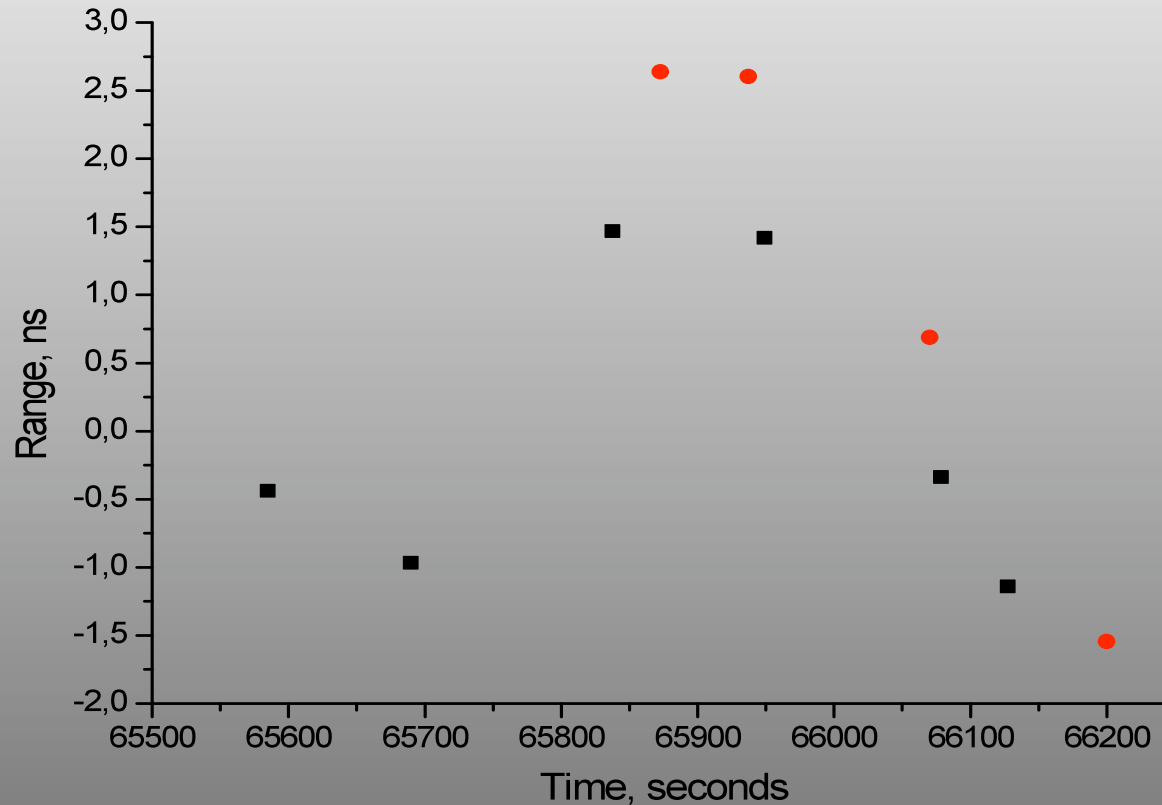


Figure 4. Difference between observations and ephemeris of station Simeiz (black) and difference between transformation observations of station Katzively and ephemeris of station Simeiz (red), satellite LAGEOS 1 for 31.03.2004

Thank you