

DORIS is one of the various techniques on which is relying the IERS to monitor earth orientation variations and references frames. The determination of earth rotation variability is not the primary objective of DORIS, still the assessment of the quality of the EOP series derived by the various DORIS analysis centers is useful to estimate the overall accuracy of the system and in particular the quality of the orbit determination and the station coordinates. We have analyzed various recent polar motion solutions derived from independent DORIS Analysis Centers using different software packages and applying various analysis strategies. Comparisons of these solutions to the International Earth Rotation and Reference Systems Service (IERS) C04 solution are performed. Depending on the solutions, the accuracy of DORIS polar components is in the range of 0.5 to 1 mas corresponding to a few centimeters on the Earth's surface.